



# FCC RADIO TEST REPORT

**FCC ID** : A4RGWX3T  
**Equipment** : Wireless Product  
**Model Name** : GWX3T  
**Applicant** : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
**Standard** : FCC Part 15 Subpart E §15.407

The product was received on Jul. 16, 2020 and testing was started from Jul. 17, 2020 and completed on Oct. 13, 2020. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications 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 of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

*Louis Wu*

Approved by: Louis Wu

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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### History of this test report

Report No.	Version	Description	Issued Date
FR031625-01C	01	Initial issue of report	Sep. 14, 2020
FR031625-01C	02	Revising test data	Oct. 14, 2020



## 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	Under limit 1.89 dB at 5149.500 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 12.54 dB at 1.406 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Wii Chang****Report Producer: Celery Wei**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Wireless Product
Model Name	GWX3T
FCC ID	A4RGWX3T
EUT supports Radios application	WLAN 11a/b/g/n HT20 Bluetooth - LE

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

EUT Information List	
S/N	Performed Test Item
34A1905A1G6128000114	RF Conducted Measurement
	Radiated Spurious Emission
	Conducted Emission

## 1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
<b>Tx/Rx Frequency Range</b>	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5700 MHz
<b>Maximum Output Power</b>	<p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b>  <b>&lt;Ant. 1&gt;</b>            802.11a : 16.80 dBm / 0.0479 W            802.11n HT20 : 16.70 dBm / 0.0468 W  <b>&lt;Ant. 2&gt;</b>            802.11a : 16.50 dBm / 0.0447 W            802.11n HT20 : 16.40 dBm / 0.0437 W</p> <p><b>&lt;5260 MHz ~ 5320 MHz&gt;</b>  <b>&lt;Ant. 1&gt;</b>            802.11a : 16.80 dBm / 0.0479 W            802.11n HT20 : 16.80 dBm / 0.0479 W  <b>&lt;Ant. 2&gt;</b>            802.11a : 16.70 dBm / 0.0468 W            802.11n HT20 : 16.60 dBm / 0.0457 W</p> <p><b>&lt;5500 MHz ~ 5700 MHz&gt;</b>  <b>&lt;Ant. 1&gt;</b>            802.11a : 16.70 dBm / 0.0468 W            802.11n HT20 : 16.50 dBm / 0.0447 W  <b>&lt;Ant. 2&gt;</b>            802.11a : 16.60 dBm / 0.0457 W            802.11n HT20 : 16.40 dBm / 0.0437 W</p>
<b>99% Occupied Bandwidth</b>	<p><b>&lt;Ant. 1&gt;</b>            802.11a : 16.75 MHz            802.11n HT20 : 17.80 MHz  <b>&lt;Ant. 2&gt;</b>            802.11a : 16.75 MHz            802.11n HT20 : 17.80 MHz</p>
<b>Type of Modulation</b>	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
<b>Antenna Type / Gain</b>	<p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b>  <b>Ant. 1</b> : PCB IFA Antenna with gain 1.91 dBi  <b>Ant. 2</b> : PCB IFA Antenna with gain 3.22 dBi  <b>&lt;5260 MHz ~ 5320 MHz&gt;</b>  <b>Ant. 1</b> : PCB IFA Antenna with gain 2.75 dBi  <b>Ant. 2</b> : PCB IFA Antenna with gain 2.39 dBi  <b>&lt;5500 MHz ~ 5700 MHz &gt;</b>  <b>Ant. 1</b> : PCB IFA Antenna with gain 3.25 dBi  <b>Ant. 2</b> : PCB IFA Antenna with gain 2.86 dBi</p>

## 1.3 Modification of EUT

No modifications are made to the EUT during all test items.



### 1.4 Testing Location

<b>Test Site</b>	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory		
<b>Test Site Location</b>	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978		
<b>Test Site No.</b>	<b>Sporton Site No.</b>		
	TH05-HY	CO05-HY	DFS02-HY

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

<b>Test Site</b>	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory		
<b>Test Site Location</b>	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855		
<b>Test Site No.</b>	<b>Sporton Site No.</b>		
	03CH13-HY		

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

FCC designation No.: TW1190 and TW0007

### 1.5 Applicable Standards

According to the specifications of 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.
- ♦ ANSI C63.10-2013

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
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). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z and measured on both antenna. The worst cases (Ant. 1, X plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

### 2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	-	-	-	-
	40	5200	48	5240
	-	-	-	-

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	-	-	-	-
	56	5280	64	5320
	-	-	-	-

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	-	-	116	5580
	104	5520	132	5660
	-	-	-	-
	108	5540	136	5680
	-	-	140	5700





## 2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0

Test Cases	
<b>AC Conducted Emission</b>	Mode 1 : 802.11a Tx (5260MHz) for Ant. 1 + USB Cable (Charging from Notebook) Mode 2 : 802.11a Tx (5260MHz) for Ant. 2 + USB Cable (Charging from Notebook)
<b>Remark:</b> The worst case of conducted emission is mode 1; only the test data of it was reported.	

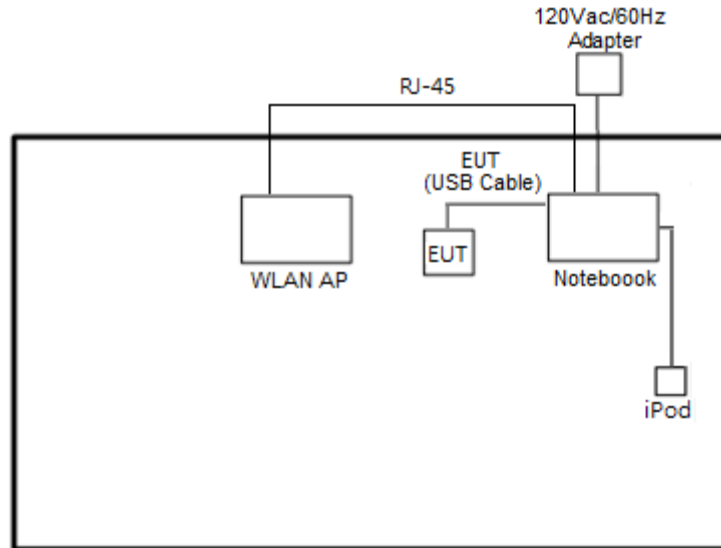
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

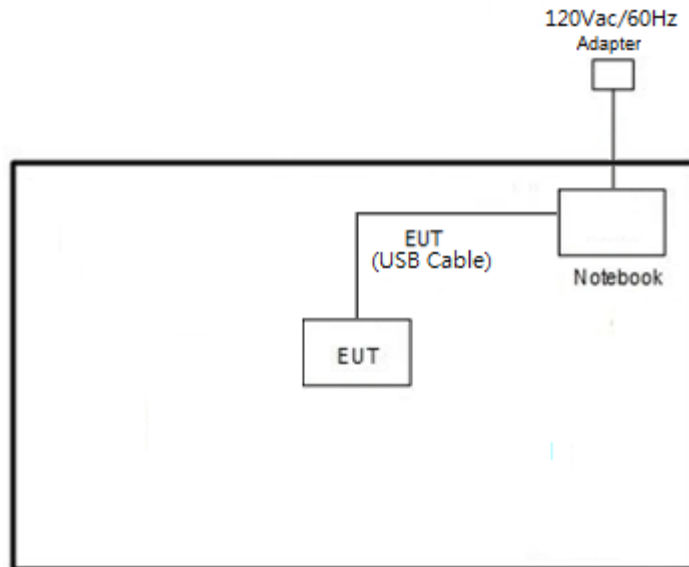
**Remark:** For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

## 2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>





## 2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
3.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
4.	Notebook	ACER	NB-09	N18Q13	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m

## 2.5 EUT Operation Test Setup

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

## 2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

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

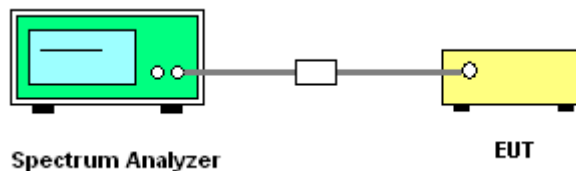
##### 3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

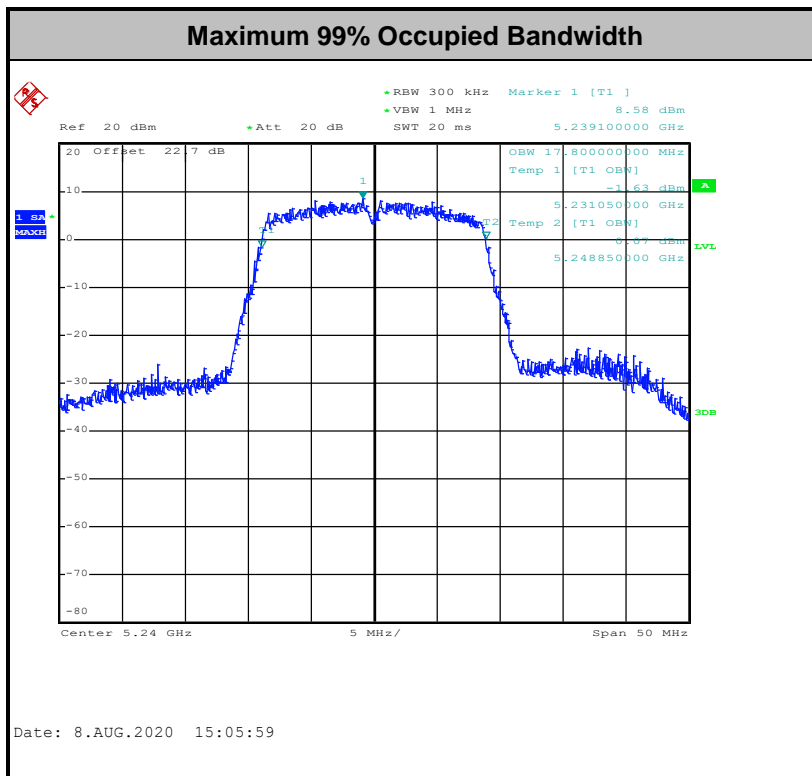
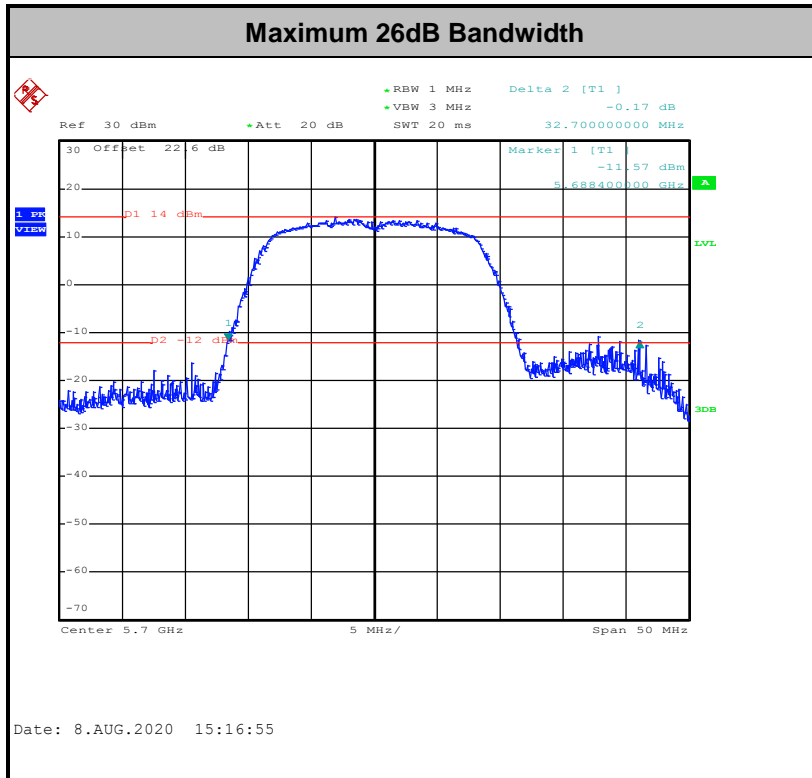
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB 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.



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



## 3.2 Maximum Conducted Output Power Measurement

### 3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

**For the 5.15–5.25 GHz bands:**

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

**For the 5.25–5.725 GHz bands:**

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

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

See list of measuring equipment of this test report.

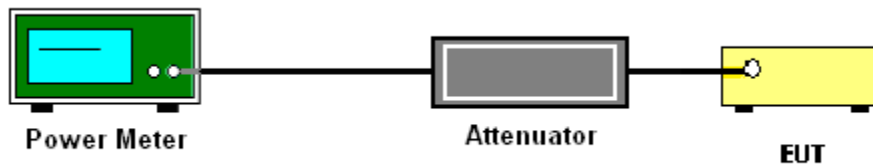
### 3.2.3 Test Procedures

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

Method PM-G (Measurement using an 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.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



### 3.3 Power Spectral Density Measurement

#### 3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

**For the 5.15–5.25 GHz bands:**

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

**For the 5.25–5.725 GHz bands:**

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

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

See list of measuring equipment of this test report.

#### 3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

**# Method SA-3 #**

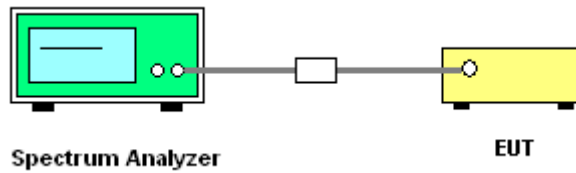
(power averaging (rms) detection with max hold):

- 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  $\leq$  (number of points in sweep)  $\times$  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.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.



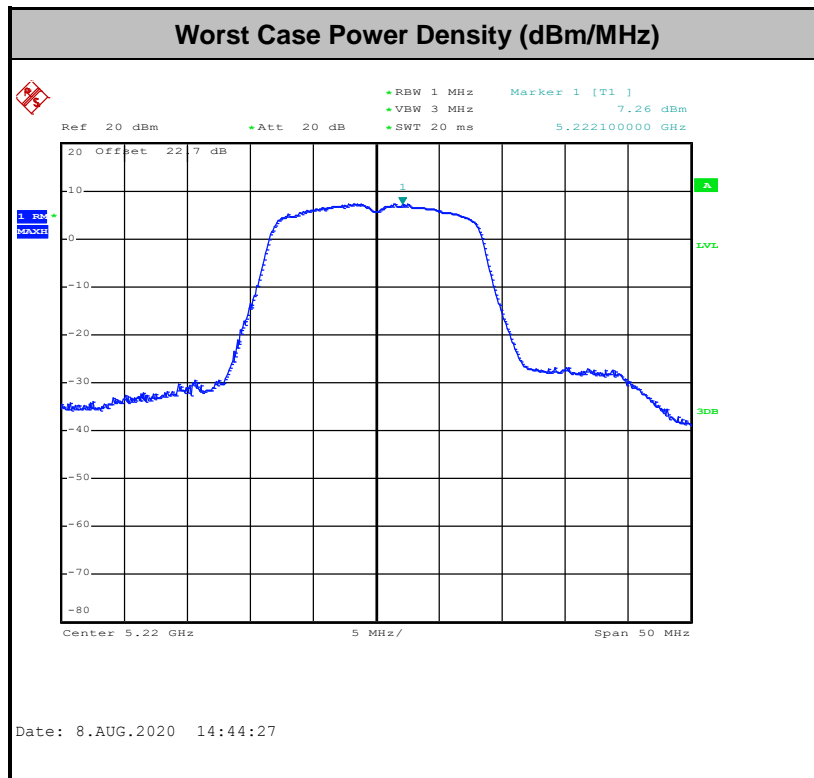
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

### 3.3.4 Test Setup



### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.





### 3.4 Unwanted Emissions Measurement

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

#### 3.4.1 Limit of Unwanted Emissions

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

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

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

- (2) Unwanted spurious emissions fallen 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 (dB $\mu$ V/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

See list of measuring equipment of 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 1000MHz
    - 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  $\geq$  3 MHz
    - Detector = Peak
    - Sweep time = auto
    - Trace mode = max hold

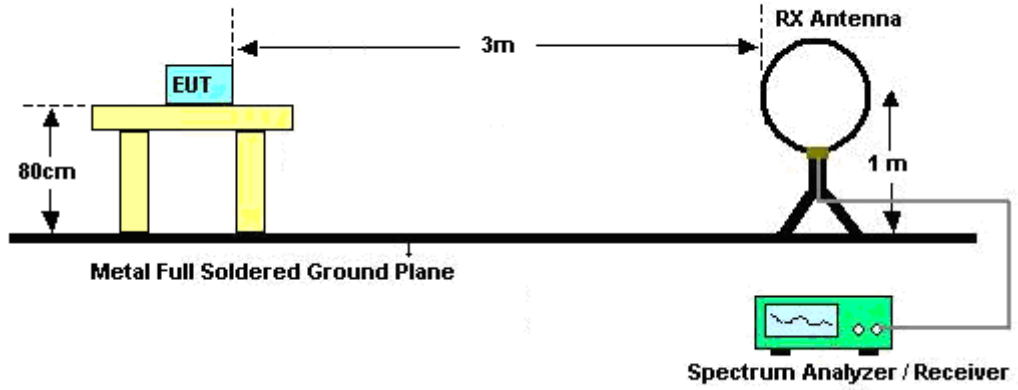


(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

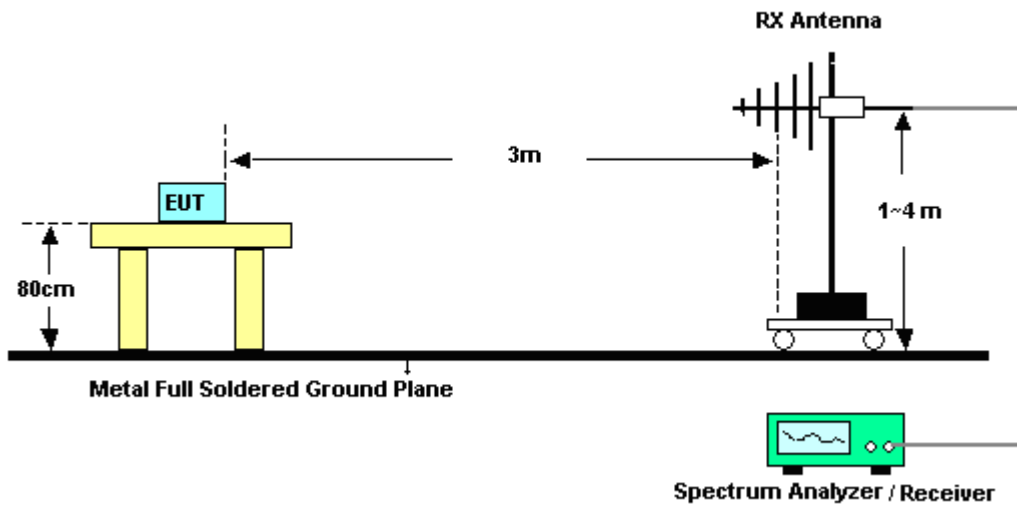
- RBW = 1 MHz
  - VBW  $\geq$  3 MHz
  - Detector = RMS
  - Averaging type = linear voltage averaging.
  - Sweep time = Auto.
  - Trace average at least 100 traces in power averaging mode.
  - Add  $20 \log(1/d)$ , where d is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, with 50% duty cycle, at least 200 traces shall be averaged.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
  3. The EUT was set 3 meters from the interference receiving antenna which was 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 was 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. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
  7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

### 3.4.4 Test Setup

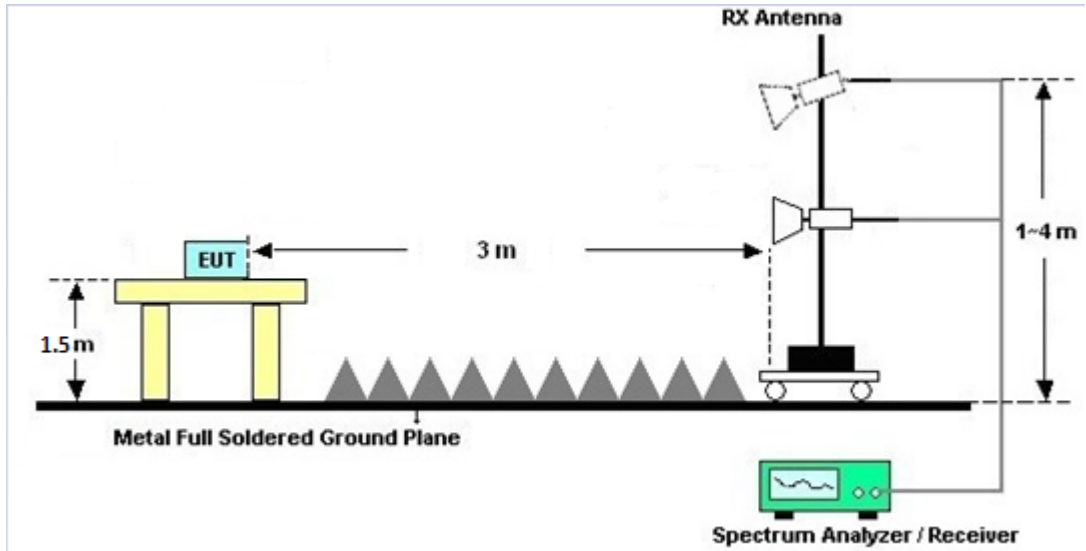
For radiated emissions below 30MHz



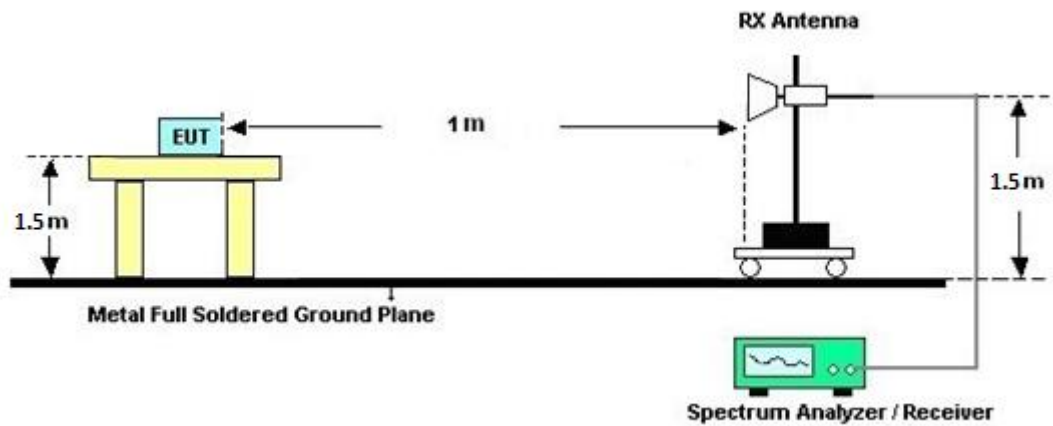
For radiated emissions from 30MHz to 1GHz



For radiated emissions from 1GHz to 18GHz



For radiated emissions above 18GHz





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

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

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

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

Please refer to Appendix C and D.

### **3.4.7 Duty Cycle**

Please refer to Appendix E.

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

Please refer to Appendix C and D.



### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

#### 3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was 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 should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
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 Automatically Discontinue Transmission

#### 3.6.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

#### 3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.6.3 Test Result of Automatically Discontinue Transmission

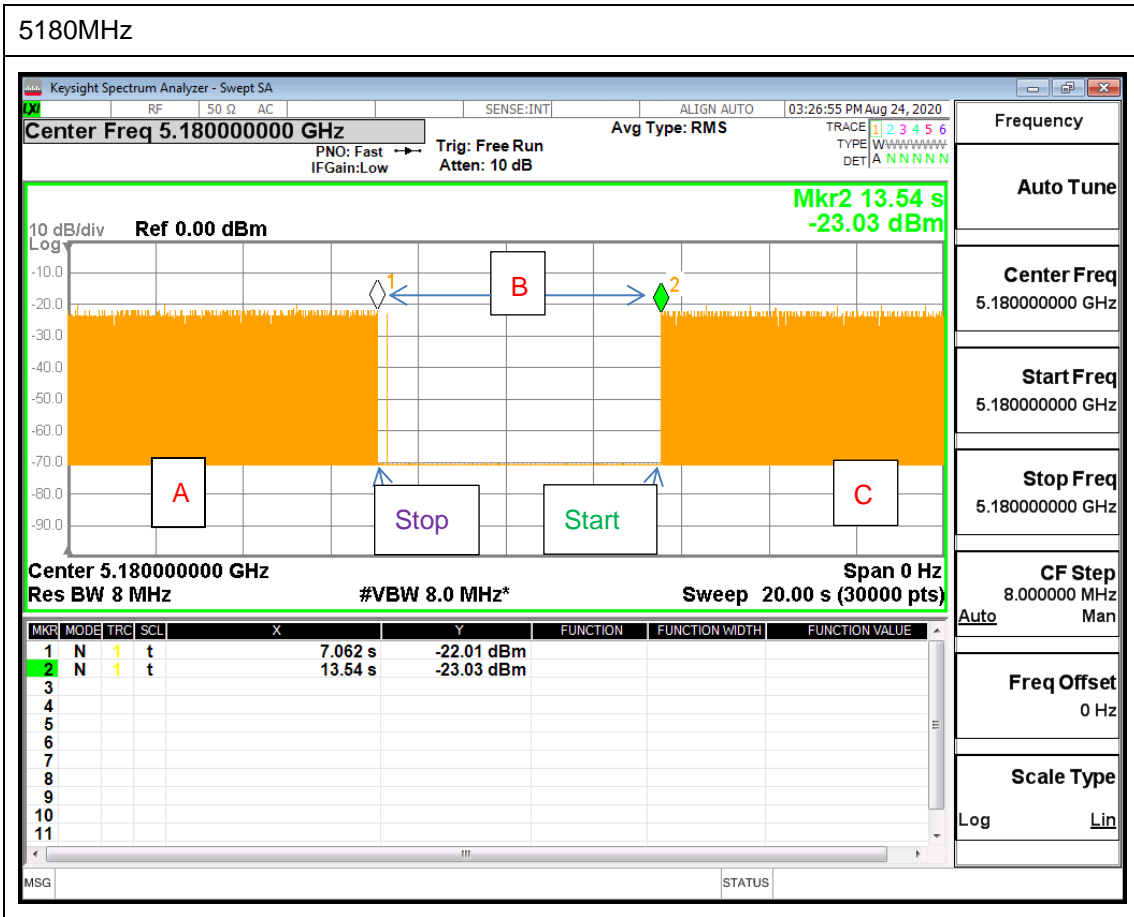
EUT is verified this characteristic during the function check of normal sample associated with an access point:

- A. Information start: make EUT supply information to the access point.
- B. Information stop: stop supplying information to the access point.

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

- C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



**Note :** The control / signalling information during the period B is precluded.



## **3.7 Antenna Requirements**

### **3.7.1 Standard Applicable**

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### **3.7.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.

### **3.7.3 Antenna Gain**

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



## 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	Jan. 09, 2020	Jul. 22, 2020~ Oct. 13, 2020	Jan. 08, 2021	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-121 2	1GHz ~ 18GHz	May 20, 2020	Jul. 22, 2020~ Oct. 13, 2020	May 19, 2021	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&07	30MHz to 1GHz	Apr. 29, 2020	Jul. 22, 2020~ Oct. 13, 2020	Apr. 28, 2021	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Dec.10, 2019	Jul. 22, 2020~ Oct. 13, 2020	Dec. 09, 2020	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY532701 47	1GHz~26.5GHz	Oct. 28, 2019	Jul. 22, 2020~ Oct. 13, 2020	Oct. 27, 2020	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 19, 2020	Jul. 22, 2020~ Oct. 13, 2020	May 18, 2021	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 17, 2019	Jul. 22, 2020~ Oct. 13, 2020	Dec. 16, 2020	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Jul. 22, 2020~ Oct. 13, 2020	Dec. 12, 2020	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP150115	N/A	Nov. 08, 2019	Jul. 22, 2020~ Oct. 13, 2020	Nov. 07, 2020	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4 PE	9kHz~30MHz	Mar. 12, 2020	Jul. 22, 2020~ Oct. 13, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 12, 2020	Jul. 22, 2020~ Oct. 13, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 12, 2020	Jul. 22, 2020~ Oct. 13, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/ 4	30M-18G	Feb. 12, 2020	Jul. 22, 2020~ Oct. 13, 2020	Feb. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30M~40GHz	Mar. 12, 2020	Jul. 22, 2020~ Oct. 13, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30M~40GHz	Mar. 12, 2020	Jul. 22, 2020~ Oct. 13, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz~44GHz	Feb. 10, 2020	Jul. 22, 2020~ Oct. 13, 2020	Feb. 09, 2021	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 22, 2020~ Oct. 13, 2020	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500- B	N/A	1m~4m	N/A	Jul. 22, 2020~ Oct. 13, 2020	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jul. 22, 2020~ Oct. 13, 2020	N/A	Radiation (03CH13-HY)
Software	AUDIX	E3 6.2009-8-24c	RK-001124	N/A	N/A	Jul. 22, 2020~ Oct. 13, 2020	N/A	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY541300 85	20Hz ~ 8.4GHz	Nov. 01, 2019	Jul. 22, 2020~ Oct. 13, 2020	Oct. 31, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000 -40ST	SN6	6.75GHz High Pass Filter	Mar. 12, 2020	Jul. 22, 2020~ Oct. 13, 2020	Mar. 11, 2021	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN12	1.53GHz Low Pass Filter	Sep. 16, 2019	Jul. 22, 2020~ Aug. 07, 2020	Sep. 15, 2020	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN12	1.53GHz Low Pass Filter	Sep. 15, 2020	Oct. 12, 2020~ Oct. 13, 2020	Sep. 14, 2021	Radiation (03CH13-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 23, 2019	Jul. 17, 2020~ Aug. 18, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz-30GHz	Nov. 26, 2019	Jul. 17, 2020~ Aug. 18, 2020	Nov. 25, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC130048 4	N/A	Aug. 22, 2019	Jul. 17, 2020~ Aug. 18, 2020	Aug. 21, 2020	Conducted (TH05-HY)
Hygrometer	Ji Zhan	HTC-1	2	N/A	Mar. 02, 2020	Jul. 17, 2020~ Aug. 18, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Keysight	N9010A	MY560704 12	10Hz~7GHz	Aug. 27, 2019	Aug. 24, 2020	Aug. 26, 2020	DFS (DFS02-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 13, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Aug. 13, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Aug. 13, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Aug. 13, 2020	Nov. 19, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Aug. 13, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Aug. 13, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Aug. 13, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Aug. 13, 2020	Jan. 01, 2021	Conduction (CO05-HY)



## 5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.3
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.8
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.1
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.8
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**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	Jacob Yu	Temperature:	21.2~23.7	°C
Test Date:	2020/7/17-2020/8/18	Relative Humidity:	47.2~57.8	%



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

Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	16.65	16.65	22.10	22.30	-	-	22.21	22.21	
11a	6Mbps	1	44	5220	16.70	16.70	22.20	22.20	-	-	22.23	22.23	
11a	6Mbps	1	48	5240	16.70	16.75	22.30	22.20	-	-	22.23	22.24	
HT20	MCS0	1	36	5180	17.75	17.75	22.80	22.60	-	-	22.49	22.49	
HT20	MCS0	1	44	5220	17.80	17.80	22.80	22.60	-	-	22.50	22.50	
HT20	MCS0	1	48	5240	17.80	17.80	22.70	32.05	-	-	22.50	22.50	

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

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	15.90	15.40		24.00	24.00	1.91	3.22		Pass
11a	6Mbps	1	44	5220	16.70	16.30		24.00	24.00	1.91	3.22		Pass
11a	6Mbps	1	48	5240	16.80	16.50		24.00	24.00	1.91	3.22		Pass
HT20	MCS0	1	36	5180	15.60	15.10		24.00	24.00	1.91	3.22		Pass
HT20	MCS0	1	44	5220	16.60	16.40		24.00	24.00	1.91	3.22		Pass
HT20	MCS0	1	48	5240	16.70	16.40		24.00	24.00	1.91	3.22		Pass

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

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	6.03	5.16		11.00	11.00	1.91	3.22	Pass
11a	6Mbps	1	44	5220	7.26	6.72		11.00	11.00	1.91	3.22	Pass
11a	6Mbps	1	48	5240	7.07	6.61		11.00	11.00	1.91	3.22	Pass
HT20	MCS0	1	36	5180	5.78	4.63		11.00	11.00	1.91	3.22	Pass
HT20	MCS0	1	44	5220	7.25	6.62		11.00	11.00	1.91	3.22	Pass
HT20	MCS0	1	48	5240	7.19	6.58		11.00	11.00	1.91	3.22	Pass

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

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.70	16.70	22.30	22.10	23.23	23.23	29.23	29.23	23.98	23.98	
11a	6Mbps	1	60	5300	16.65	16.70	22.10	22.20	23.21	23.23	29.21	29.23	23.98	23.98	
11a	6Mbps	1	64	5320	16.65	16.70	22.20	22.20	23.21	23.23	29.21	29.23	23.98	23.98	
HT20	MCS0	1	52	5260	17.75	17.75	22.70	22.80	23.49	23.49	29.49	29.49	23.98	23.98	
HT20	MCS0	1	60	5300	17.80	17.75	22.70	22.80	23.50	23.49	29.50	29.49	23.98	23.98	
HT20	MCS0	1	64	5320	17.75	17.75	22.90	22.95	23.49	23.49	29.49	29.49	23.98	23.98	

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

FCC Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	16.80	16.70		23.98	23.98	2.75	2.39	30	Pass
11a	6Mbps	1	60	5300	16.60	16.50		23.98	23.98	2.75	2.39	30	Pass
11a	6Mbps	1	64	5320	16.60	16.50		23.98	23.98	2.75	2.39	30	Pass
HT20	MCS0	1	52	5260	16.80	16.60		23.98	23.98	2.75	2.39	30	Pass
HT20	MCS0	1	60	5300	16.60	16.40		23.98	23.98	2.75	2.39	30	Pass
HT20	MCS0	1	64	5320	16.70	16.40		23.98	23.98	2.75	2.39	30	Pass

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

Band II single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	6.84	6.34		11.00	11.00	2.75	2.39	Pass
11a	6Mbps	1	60	5300	7.00	6.54		11.00	11.00	2.75	2.39	Pass
11a	6Mbps	1	64	5320	7.05	6.37		11.00	11.00	2.75	2.39	Pass
HT20	MCS0	1	52	5260	6.71	6.21		11.00	11.00	2.75	2.39	Pass
HT20	MCS0	1	60	5300	6.72	6.59		11.00	11.00	2.75	2.39	Pass
HT20	MCS0	1	64	5320	6.89	6.39		11.00	11.00	2.75	2.39	Pass

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

Band III single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.75	16.65	22.20	22.20	23.24	23.21	29.24	29.21	23.98	23.98	----	----
11a	6Mbps	1	116	5580	16.70	16.70	22.20	22.30	23.23	23.23	29.23	29.23	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.70	16.75	22.30	22.40	23.23	23.24	29.23	29.24	23.98	23.98	----	----
HT20	MCS0	1	100	5500	17.75	17.80	22.80	22.80	23.49	23.50	29.49	29.50	23.98	23.98	----	----
HT20	MCS0	1	116	5580	17.75	17.75	22.80	22.80	23.49	23.49	29.49	29.49	23.98	23.98	----	----
HT20	MCS0	1	140	5700	17.75	17.75	32.70	28.45	23.49	23.49	29.49	29.49	23.98	23.98	----	----

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

FCC Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	16.70	16.40		23.98	23.98	3.25	2.86	30	Pass
11a	6Mbps	1	116	5580	16.60	16.50		23.98	23.98	3.25	2.86	30	Pass
11a	6Mbps	1	140	5700	16.70	16.60		23.98	23.98	3.25	2.86	30	Pass
HT20	MCS0	1	100	5500	14.90	14.30		23.98	23.98	3.25	2.86	30	Pass
HT20	MCS0	1	116	5580	16.50	16.40		23.98	23.98	3.25	2.86	30	Pass
HT20	MCS0	1	140	5700	16.40	16.30		23.98	23.98	3.25	2.86	30	Pass



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

Band III single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	6.61	5.80		11.00	11.00	3.25	2.86	Pass
11a	6Mbps	1	116	5580	6.98	6.24		11.00	11.00	3.25	2.86	Pass
11a	6Mbps	1	140	5700	6.26	5.81		11.00	11.00	3.25	2.86	Pass
HT20	MCS0	1	100	5500	4.52	4.00		11.00	11.00	3.25	2.86	Pass
HT20	MCS0	1	116	5580	6.89	6.28		11.00	11.00	3.25	2.86	Pass
HT20	MCS0	1	140	5700	6.07	5.64		11.00	11.00	3.25	2.86	Pass



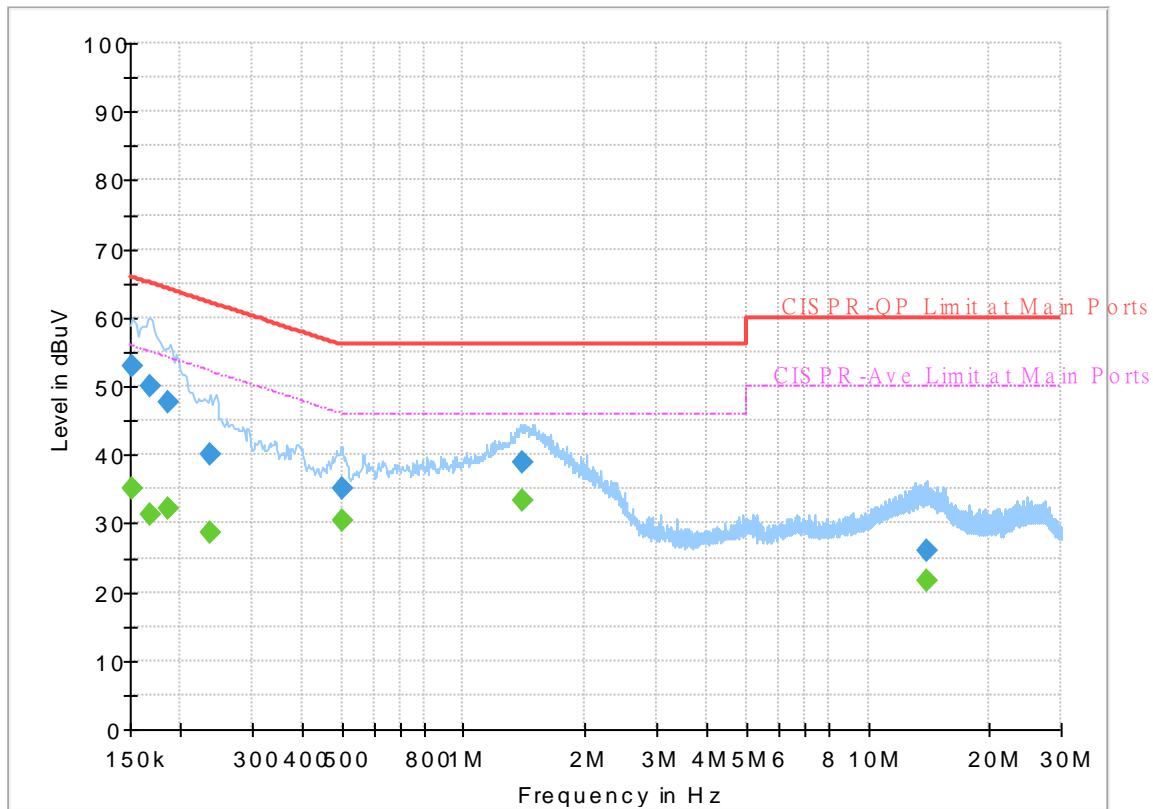
## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	22~26°C
		Relative Humidity :	42~50%

# EUT Information

Report NO : 031625-01  
 Test Mode : Mode 1  
 Test Voltage : Power From System  
 Phase : Line

Full Spectrum



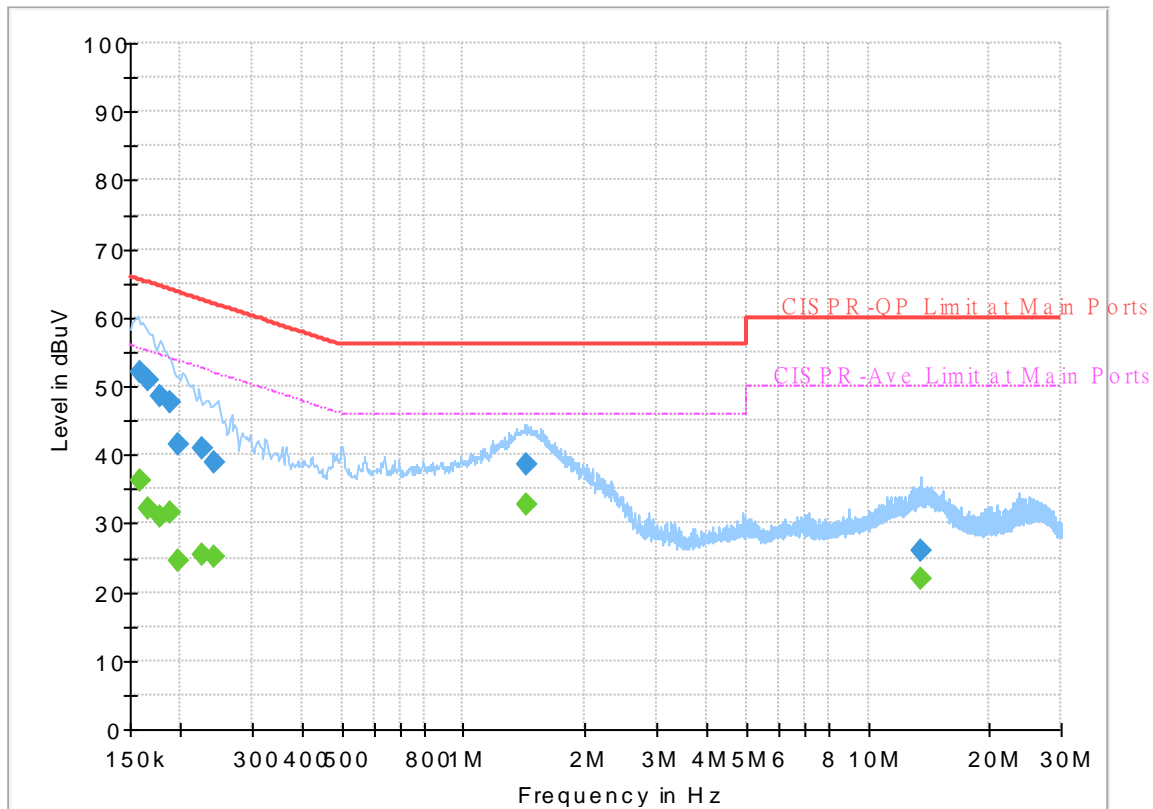
## Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.151553	---	35.06	55.91	20.85	L1	OFF	19.5
0.151553	52.78	---	65.91	13.13	L1	OFF	19.5
0.167190	---	31.31	55.10	23.79	L1	OFF	19.5
0.167190	49.90	---	65.10	15.20	L1	OFF	19.5
0.185550	---	32.02	54.23	22.21	L1	OFF	19.5
0.185550	47.70	---	64.23	16.53	L1	OFF	19.5
0.237750	---	28.71	52.17	23.46	L1	OFF	19.5
0.237750	40.01	---	62.17	22.16	L1	OFF	19.5
0.501360	---	30.49	46.00	15.51	L1	OFF	19.5
0.501360	35.17	---	56.00	20.83	L1	OFF	19.5
1.405500	---	33.46	46.00	12.54	L1	OFF	19.6
1.405500	38.79	---	56.00	17.21	L1	OFF	19.6
13.974000	---	21.78	50.00	28.22	L1	OFF	19.8
13.974000	26.07	---	60.00	33.93	L1	OFF	19.8

# EUT Information

Report NO : 031625-01  
 Test Mode : Mode 1  
 Test Voltage : Power From System  
 Phase : Neutral

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	36.40	55.52	19.12	N	OFF	19.5
0.159000	52.01	---	65.52	13.51	N	OFF	19.5
0.166830	---	32.04	55.12	23.08	N	OFF	19.5
0.166830	50.84	---	65.12	14.28	N	OFF	19.5
0.177000	---	30.99	54.63	23.64	N	OFF	19.5
0.177000	48.65	---	64.63	15.98	N	OFF	19.5
0.188250	---	31.61	54.11	22.50	N	OFF	19.5
0.188250	47.68	---	64.11	16.43	N	OFF	19.5
0.197250	---	24.49	53.73	29.24	N	OFF	19.5
0.197250	41.60	---	63.73	22.13	N	OFF	19.5
0.226500	---	25.35	52.58	27.23	N	OFF	19.5
0.226500	41.07	---	62.58	21.51	N	OFF	19.5
0.242250	---	25.09	52.02	26.93	N	OFF	19.5
0.242250	38.97	---	62.02	23.05	N	OFF	19.5
1.439610	---	32.80	46.00	13.20	N	OFF	19.6
1.439610	38.60	---	56.00	17.40	N	OFF	19.6
13.539750	---	21.80	50.00	28.20	N	OFF	19.9
13.539750	25.89	---	60.00	34.11	N	OFF	19.9



## Appendix C. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Jacky Hung and Wilson Wu	Temperature :	21.5~23.5°C
		Relative Humidity :	49.5~55.5%

### Band 1 - 5150~5250MHz

#### WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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		5149.5	54.79	-19.21	74	43.53	31.9	6.06	26.7	106	240	P	H	
		5148.98	46.51	-7.49	54	35.25	31.9	6.06	26.7	106	240	A	H	
	*	5180	102.35	-	-	91.32	31.66	6.07	26.7	106	240	P	H	
	*	5180	94.77	-	-	83.74	31.66	6.07	26.7	106	240	A	H	
													H	
														H
			5149.5	58.07	-15.93	74	46.81	31.9	6.06	26.7	102	287	P	V
			5150	50.67	-3.33	54	39.4	31.9	6.07	26.7	102	287	A	V
	*		5180	109.15	-	-	98.12	31.66	6.07	26.7	102	287	P	V
	*		5180	101.31	-	-	90.28	31.66	6.07	26.7	102	287	A	V
														V
														V
802.11a CH 44 5220MHz		5145.86	51.86	-22.14	74	40.6	31.9	6.06	26.7	302	307	P	H	
		5147.94	43.66	-10.34	54	32.4	31.9	6.06	26.7	302	307	A	H	
	*	5220	107.22	-	-	96.41	31.42	6.09	26.7	302	307	P	H	
	*	5220	99.32	-	-	88.51	31.42	6.09	26.7	302	307	A	H	
			5443.48	51.14	-22.86	74	40.01	31.57	6.25	26.69	302	307	P	H
			5446	42.04	-11.96	54	30.9	31.58	6.25	26.69	302	307	A	H
			5059.02	52.51	-21.49	74	41.42	31.74	6.06	26.71	104	285	P	V
			5149.24	44.75	-9.25	54	33.49	31.9	6.06	26.7	104	285	A	V
	*		5220	109.94	-	-	99.13	31.42	6.09	26.7	104	285	P	V
	*		5220	102.08	-	-	91.27	31.42	6.09	26.7	104	285	A	V
			5439.56	51.2	-22.8	74	40.08	31.56	6.25	26.69	104	285	P	V
			5450.48	42.14	-11.86	54	30.97	31.6	6.26	26.69	104	285	A	V



<b>802.11a CH 48 5240MHz</b>		5127.92	52.69	-21.31	74	41.43	31.9	6.06	26.7	313	305	P	H
		5134.16	43.4	-10.6	54	32.14	31.9	6.06	26.7	313	305	A	H
	*	5240	106.54	-	-	95.8	31.34	6.1	26.7	313	305	P	H
	*	5240	98.72	-	-	87.98	31.34	6.1	26.7	313	305	A	H
		5460	50.38	-23.62	74	39.17	31.64	6.26	26.69	313	305	P	H
		5457.48	42.04	-11.96	54	30.84	31.63	6.26	26.69	313	305	A	H
		5035.1	53.07	-20.93	74	42.12	31.61	6.05	26.71	101	281	P	V
		5098.02	43.7	-10.3	54	32.46	31.89	6.06	26.71	101	281	A	V
	*	5240	111.04	-	-	100.3	31.34	6.1	26.7	101	281	P	V
	*	5240	103.21	-	-	92.47	31.34	6.1	26.7	101	281	A	V
		5374.6	50.91	-23.09	74	40.04	31.35	6.22	26.7	101	281	P	V
		5456.64	42.3	-11.7	54	31.1	31.63	6.26	26.69	101	281	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (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	46.37	-21.83	68.2	53.62	39.38	9.88	56.51	100	0	P	H
		15540	45.39	-28.61	74	50.47	38.28	12.48	55.84	100	0	P	H
		17989	55.89	-18.11	74	52.21	46.61	13.55	56.48	100	214	P	H
		17989	45.39	-8.61	54	41.71	46.61	13.55	56.48	100	214	A	H
		10360	45.83	-22.37	68.2	53.08	39.38	9.88	56.51	100	0	P	V
		15540	44.44	-29.56	74	49.52	38.28	12.48	55.84	100	0	P	V
		18000	56.49	-17.51	74	52.6	46.8	13.56	56.47	315	204	P	V
		18000	45.69	-8.31	54	41.8	46.8	13.56	56.47	315	204	A	V
802.11a CH 44 5220MHz		10440	47.93	-20.27	68.2	54.89	39.58	9.92	56.46	100	0	P	H
		15660	44.94	-29.06	74	50.35	37.86	12.51	55.78	100	0	P	H
		18000	55.79	-18.21	74	51.9	46.8	13.56	56.47	100	223	P	H
		18000	45.09	-8.91	54	41.2	46.8	13.56	56.47	100	223	A	H
		10440	47.07	-21.13	68.2	54.03	39.58	9.92	56.46	100	0	P	V
		15660	45.7	-28.3	74	51.11	37.86	12.51	55.78	100	0	P	V
		17978	55.69	-18.31	74	52.2	46.43	13.55	56.49	297	208	P	V
		17978	45.39	-8.61	54	41.9	46.43	13.55	56.49	297	208	A	V
802.11a CH 48 5240MHz		10480	46.88	-21.32	68.2	53.71	39.66	9.94	56.43	100	0	P	H
		15720	44.08	-29.92	74	49.43	37.88	12.52	55.75	100	0	P	H
		18000	55.49	-18.51	74	51.6	46.8	13.56	56.47	100	221	P	H
		18000	44.99	-9.01	54	41.1	46.8	13.56	56.47	100	221	A	H
		10480	46.82	-21.38	68.2	53.65	39.66	9.94	56.43	100	0	P	V
		15720	45.78	-28.22	74	51.13	37.88	12.52	55.75	100	0	P	V
		17989	55.49	-18.51	74	51.81	46.61	13.55	56.48	300	228	P	V
		17989	44.99	-9.01	54	41.31	46.61	13.55	56.48	300	228	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 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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		5148.72	54.22	-19.78	74	42.96	31.9	6.06	26.7	100	239	P	H	
		5149.76	46.01	-7.99	54	34.75	31.9	6.06	26.7	100	239	A	H	
	*	5180	101.85	-	-	90.82	31.66	6.07	26.7	100	239	P	H	
	*	5180	93.86	-	-	82.83	31.66	6.07	26.7	100	239	A	H	
													H	
													H	
			5149.5	57.33	-16.67	74	46.07	31.9	6.06	26.7	100	282	P	V
			5150	50.84	-3.16	54	39.57	31.9	6.07	26.7	100	282	A	V
		*	5180	108.14	-	-	97.11	31.66	6.07	26.7	100	282	P	V
		*	5180	100.57	-	-	89.54	31.66	6.07	26.7	100	282	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5059.54	52.34	-21.66	74	41.25	31.74	6.06	26.71	132	239	P	H	
		5122.2	43.35	-10.65	54	32.1	31.9	6.06	26.71	132	239	A	H	
		* 5220	103.1	-	-	92.29	31.42	6.09	26.7	132	239	P	H	
		* 5220	95.64	-	-	84.83	31.42	6.09	26.7	132	239	A	H	
			5433.12	50.51	-23.49	74	39.42	31.53	6.25	26.69	132	239	P	H
			5445.72	41.87	-12.13	54	30.73	31.58	6.25	26.69	132	239	A	H
			5007.28	52.19	-21.81	74	41.41	31.44	6.05	26.71	103	281	P	V
			5149.76	44.32	-9.68	54	33.06	31.9	6.06	26.7	103	281	A	V
		*	5220	109.87	-	-	99.06	31.42	6.09	26.7	103	281	P	V
		*	5220	102.19	-	-	91.38	31.42	6.09	26.7	103	281	A	V
		5359.48	51.36	-22.64	74	40.53	31.32	6.21	26.7	103	281	P	V	
		5456.36	42.27	-11.73	54	31.07	31.63	6.26	26.69	103	281	A	V	





<b>802.11n</b> <b>HT20</b> <b>CH 48</b> <b>5240MHz</b>		5071.76	52.79	-21.21	74	41.65	31.79	6.06	26.71	100	240	P	H
		5121.16	43.23	-10.77	54	31.98	31.9	6.06	26.71	100	240	A	H
	*	5240	103.17	-	-	92.43	31.34	6.1	26.7	100	240	P	H
	*	5240	95.81	-	-	85.07	31.34	6.1	26.7	100	240	A	H
		5450.2	51.31	-22.69	74	40.14	31.6	6.26	26.69	100	240	P	H
		5458.88	41.99	-12.01	54	30.78	31.64	6.26	26.69	100	240	A	H
		5074.62	52.82	-21.18	74	41.67	31.8	6.06	26.71	104	282	P	V
		5097.5	43.36	-10.64	54	32.12	31.89	6.06	26.71	104	282	A	V
	*	5240	109.94	-	-	99.2	31.34	6.1	26.7	104	282	P	V
	*	5240	102.64	-	-	91.9	31.34	6.1	26.7	104	282	A	V
		5438.16	51.48	-22.52	74	40.37	31.55	6.25	26.69	104	282	P	V
		5459.44	42.21	-11.79	54	31	31.64	6.26	26.69	104	282	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 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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		10360	46.12	-22.08	68.2	53.37	39.38	9.88	56.51	100	0	P	H
		15540	44.81	-29.19	74	49.89	38.28	12.48	55.84	100	0	P	H
		17967	55.88	-18.12	74	52.6	46.24	13.54	56.5	100	231	P	H
		17967	45.38	-8.62	54	42.1	46.24	13.54	56.5	100	231	A	H
		10360	46.35	-21.85	68.2	53.6	39.38	9.88	56.51	100	0	P	V
		15540	44.69	-29.31	74	49.77	38.28	12.48	55.84	100	0	P	V
		17956	55.28	-18.72	74	52.2	46.05	13.53	56.5	300	223	P	V
		17956	44.98	-9.02	54	41.9	46.05	13.53	56.5	300	223	A	V
802.11n HT20 CH 44 5220MHz		10440	46.47	-21.73	68.2	53.43	39.58	9.92	56.46	100	0	P	H
		15660	44.5	-29.5	74	49.91	37.86	12.51	55.78	100	0	P	H
		17989	55.89	-18.11	74	52.21	46.61	13.55	56.48	100	224	P	H
		17989	45.29	-8.71	54	41.61	46.61	13.55	56.48	100	224	A	H
		10440	46.04	-22.16	68.2	53	39.58	9.92	56.46	100	0	P	V
		15660	44.58	-29.42	74	49.99	37.86	12.51	55.78	100	0	P	V
		18000	56.19	-17.81	74	52.3	46.8	13.56	56.47	319	236	P	V
		18000	45.69	-8.31	54	41.8	46.8	13.56	56.47	319	236	A	V
802.11n HT20 CH 48 5240MHz		10480	47.81	-20.39	68.2	54.64	39.66	9.94	56.43	100	0	P	H
		15720	44.68	-29.32	74	50.03	37.88	12.52	55.75	100	0	P	H
		17978	55.79	-18.21	74	52.3	46.43	13.55	56.49	100	198	P	H
		17978	44.99	-9.01	54	41.5	46.43	13.55	56.49	100	198	A	H
		10480	46.7	-21.5	68.2	53.53	39.66	9.94	56.43	100	0	P	V
		15720	45.46	-28.54	74	50.81	37.88	12.52	55.75	100	0	P	V
		17989	56.09	-17.91	74	52.41	46.61	13.55	56.48	297	241	P	V
		17989	45.79	-8.21	54	42.11	46.61	13.55	56.48	297	241	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WiFi Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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>802.11a CH 52 5260MHz</b>		5055.42	53.04	-20.96	74	41.97	31.72	6.06	26.71	295	304	P	H
		5058.82	43.38	-10.62	54	32.29	31.74	6.06	26.71	295	304	A	H
	*	5260	106.12	-	-	95.4	31.3	6.12	26.7	295	304	P	H
	*	5260	98.53	-	-	87.81	31.3	6.12	26.7	295	304	A	H
		5442	51.02	-22.98	74	39.89	31.57	6.25	26.69	295	304	P	H
		5459.76	42.16	-11.84	54	30.95	31.64	6.26	26.69	295	304	A	H
		5115.6	51.89	-22.11	74	40.64	31.9	6.06	26.71	117	283	P	V
		5120.7	43.47	-10.53	54	32.22	31.9	6.06	26.71	117	283	A	V
	*	5260	110.91	-	-	100.19	31.3	6.12	26.7	117	283	P	V
	*	5260	103.03	-	-	92.31	31.3	6.12	26.7	117	283	A	V
		5359.92	50.88	-23.12	74	40.05	31.32	6.21	26.7	117	283	P	V
		5354.4	42.45	-11.55	54	31.64	31.31	6.2	26.7	117	283	A	V
<b>802.11a CH 60 5300MHz</b>		5050.66	53.07	-20.93	74	42.02	31.7	6.06	26.71	288	304	P	H
		5091.12	43.34	-10.66	54	32.13	31.86	6.06	26.71	288	304	A	H
	*	5300	106.01	-	-	95.26	31.3	6.15	26.7	288	304	P	H
	*	5300	98.25	-	-	87.5	31.3	6.15	26.7	288	304	A	H
		5351.28	51.63	-22.37	74	40.83	31.3	6.2	26.7	288	304	P	H
		5350.08	44.03	-9.97	54	33.23	31.3	6.2	26.7	288	304	A	H
		5076.84	52.52	-21.48	74	41.36	31.81	6.06	26.71	104	283	P	V
		5080.24	43.39	-10.61	54	32.22	31.82	6.06	26.71	104	283	A	V
	*	5300	111.57	-	-	100.82	31.3	6.15	26.7	104	283	P	V
	*	5300	103.59	-	-	92.84	31.3	6.15	26.7	104	283	A	V
		5352.48	56.64	-17.36	74	45.84	31.3	6.2	26.7	104	283	P	V
		5350.08	47.79	-6.21	54	36.99	31.3	6.2	26.7	104	283	A	V



<b>802.11a CH 64 5320MHz</b>	*	5320	105	-	-	94.23	31.3	6.17	26.7	110	245	P	H
	*	5320	97	-	-	86.23	31.3	6.17	26.7	110	245	A	H
		5350.72	55.14	-18.86	74	44.34	31.3	6.2	26.7	110	245	P	H
		5350.08	46.41	-7.59	54	35.61	31.3	6.2	26.7	110	245	A	H
													H
													H
	*	5320	111.3	-	-	100.53	31.3	6.17	26.7	101	289	P	V
	*	5320	103.59	-	-	92.82	31.3	6.17	26.7	101	289	A	V
		5350.08	58.76	-15.24	74	47.96	31.3	6.2	26.7	101	289	P	V
		5350.08	50.58	-3.42	54	39.78	31.3	6.2	26.7	101	289	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.13	-21.07	68.2	53.93	39.66	9.95	56.41	100	0	P	H
		15780	45.54	-28.46	74	50.9	37.82	12.54	55.72	100	0	P	H
		17912	55.57	-18.43	74	53.3	45.3	13.51	56.54	100	205	P	H
		17912	44.47	-9.53	54	42.2	45.3	13.51	56.54	100	205	A	H
		10520	47.15	-21.05	68.2	53.95	39.66	9.95	56.41	100	0	P	V
		15780	46.08	-27.92	74	51.44	37.82	12.54	55.72	100	0	P	V
		17956	55.58	-18.42	74	52.5	46.05	13.53	56.5	299	234	P	V
		17956	45.18	-8.82	54	42.1	46.05	13.53	56.5	299	234	A	V
802.11a CH 60 5300MHz		10600	46.31	-27.69	74	53.18	39.5	9.99	56.36	100	0	P	H
		15900	45.08	-28.92	74	50.57	37.6	12.57	55.66	100	0	P	H
		17967	55.18	-18.82	74	51.9	46.24	13.54	56.5	100	208	P	H
		17967	45.08	-8.92	54	41.8	46.24	13.54	56.5	100	208	A	H
		10600	46.5	-27.5	74	53.37	39.5	9.99	56.36	100	0	P	V
		15900	45.2	-28.8	74	50.69	37.6	12.57	55.66	100	0	P	V
		17989	55.79	-18.21	74	52.11	46.61	13.55	56.48	294	209	P	V
		17989	45.49	-8.51	54	41.81	46.61	13.55	56.48	294	209	A	V
802.11a CH 64 5320MHz		10640	47.34	-26.66	74	54.06	39.62	10	56.34	100	0	P	H
		15960	45.08	-28.92	74	50.47	37.66	12.58	55.63	100	0	P	H
		17978	55.09	-18.91	74	51.6	46.43	13.55	56.49	100	264	P	H
		17978	45.09	-8.91	54	41.6	46.43	13.55	56.49	100	264	A	H
		10640	46.97	-27.03	74	53.69	39.62	10	56.34	100	0	P	V
		15960	45.47	-28.53	74	50.86	37.66	12.58	55.63	100	0	P	V
		17989	55.39	-18.61	74	51.71	46.61	13.55	56.48	308	241	P	V
		17989	45.39	-8.61	54	41.71	46.61	13.55	56.48	308	241	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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 52 5260MHz		5045.56	51.97	-22.03	74	40.96	31.67	6.05	26.71	113	240	P	H
		5087.72	43.32	-10.68	54	32.12	31.85	6.06	26.71	113	240	A	H
	*	5260	102.97	-	-	92.25	31.3	6.12	26.7	113	240	P	H
	*	5260	95.43	-	-	84.71	31.3	6.12	26.7	113	240	A	H
		5459.52	50.98	-23.02	74	39.77	31.64	6.26	26.69	113	240	P	H
		5456.88	41.95	-12.05	54	30.75	31.63	6.26	26.69	113	240	A	H
		5138.04	52.98	-21.02	74	41.72	31.9	6.06	26.7	100	293	P	V
		5061.2	43.41	-10.59	54	32.32	31.74	6.06	26.71	100	293	A	V
	*	5260	109.5	-	-	98.78	31.3	6.12	26.7	100	293	P	V
	*	5260	102.03	-	-	91.31	31.3	6.12	26.7	100	293	A	V
		5405.76	50.78	-23.22	74	39.81	31.42	6.24	26.69	100	293	P	V
		5458.56	42.28	-11.72	54	31.08	31.63	6.26	26.69	100	293	A	V
802.11n HT20 CH 60 5300MHz		5025.84	52.99	-21.01	74	42.09	31.56	6.05	26.71	104	242	P	H
		5092.48	43.28	-10.72	54	32.06	31.87	6.06	26.71	104	242	A	H
	*	5300	103.89	-	-	93.14	31.3	6.15	26.7	104	242	P	H
	*	5300	95.82	-	-	85.07	31.3	6.15	26.7	104	242	A	H
		5353.92	51.19	-22.81	74	40.38	31.31	6.2	26.7	104	242	P	H
		5352.24	42.93	-11.07	54	32.13	31.3	6.2	26.7	104	242	A	H
		5014.62	52.38	-21.62	74	41.55	31.49	6.05	26.71	100	284	P	V
		5110.5	43.3	-10.7	54	32.05	31.9	6.06	26.71	100	284	A	V
	*	5300	110.68	-	-	99.93	31.3	6.15	26.7	100	284	P	V
	*	5300	102.91	-	-	92.16	31.3	6.15	26.7	100	284	A	V
	5352.96	54.63	-19.37	74	43.82	31.31	6.2	26.7	100	284	P	V	
	5350.08	47.12	-6.88	54	36.32	31.3	6.2	26.7	100	284	A	V	



<b>802.11n</b>  <b>HT20</b>  <b>CH 64</b>  <b>5320MHz</b>	*	5320	104.15	-	-	93.38	31.3	6.17	26.7	121	244	P	H
	*	5320	96.52	-	-	85.75	31.3	6.17	26.7	121	244	A	H
		5350.4	53.95	-20.05	74	43.15	31.3	6.2	26.7	121	244	P	H
		5350.08	46.16	-7.84	54	35.36	31.3	6.2	26.7	121	244	A	H
													H
													H
	*	5320	110.78	-	-	100.01	31.3	6.17	26.7	113	283	P	V
	*	5320	103.09	-	-	92.32	31.3	6.17	26.7	113	283	A	V
		5350.72	59.44	-14.56	74	48.64	31.3	6.2	26.7	113	283	P	V
		5350.08	51.47	-2.53	54	40.67	31.3	6.2	26.7	113	283	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (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 52 5260MHz		10520	45.89	-22.31	68.2	52.69	39.66	9.95	56.41	100	0	P	H
		15780	46.24	-27.76	74	51.6	37.82	12.54	55.72	100	0	P	H
		17978	55.09	-18.91	74	51.6	46.43	13.55	56.49	100	205	P	H
		17978	44.89	-9.11	54	41.4	46.43	13.55	56.49	100	205	A	H
		10520	46.18	-22.02	68.2	52.98	39.66	9.95	56.41	100	0	P	V
		15780	45.15	-28.85	74	50.51	37.82	12.54	55.72	100	0	P	V
		18000	55.69	-18.31	74	51.8	46.8	13.56	56.47	294	214	P	V
	18000	45.69	-8.31	54	41.8	46.8	13.56	56.47	294	214	A	V	
802.11n HT20 CH 60 5300MHz		10600	47.13	-26.87	74	54	39.5	9.99	56.36	100	0	P	H
		15900	44.99	-29.01	74	50.48	37.6	12.57	55.66	100	0	P	H
		17978	54.79	-19.21	74	51.3	46.43	13.55	56.49	100	203	P	H
		17978	45.09	-8.91	54	41.6	46.43	13.55	56.49	100	203	A	H
		10600	46.87	-27.13	74	53.74	39.5	9.99	56.36	100	0	P	V
		15900	44.9	-29.1	74	50.39	37.6	12.57	55.66	100	0	P	V
		17967	55.18	-18.82	74	51.9	46.24	13.54	56.5	279	235	P	V
	17967	44.98	-9.02	54	41.7	46.24	13.54	56.5	279	235	A	V	
802.11n HT20 CH 64 5320MHz		10640	47.41	-26.59	74	54.13	39.62	10	56.34	100	0	P	H
		15960	44.78	-29.22	74	50.17	37.66	12.58	55.63	100	0	P	H
		17912	54.47	-19.53	74	52.2	45.3	13.51	56.54	100	251	P	H
		17912	43.77	-10.23	54	41.5	45.3	13.51	56.54	100	251	A	H
		10640	46.65	-27.35	74	53.37	39.62	10	56.34	100	0	P	V
		15960	44.29	-29.71	74	49.68	37.66	12.58	55.63	100	0	P	V
		17967	55.48	-18.52	74	52.2	46.24	13.54	56.5	302	225	P	V
	17967	45.18	-8.82	54	41.9	46.24	13.54	56.5	302	225	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 100 5500MHz		5459.12	55.34	-18.66	74	44.13	31.64	6.26	26.69	100	248	P	H	
		5467.76	61.56	-6.64	68.2	50.32	31.67	6.26	26.69	100	248	P	H	
		5459.76	46.39	-7.61	54	35.18	31.64	6.26	26.69	100	248	A	H	
	*	5500	107.75	-	-	96.37	31.8	6.27	26.69	100	248	P	H	
	*	5500	99.79	-	-	88.41	31.8	6.27	26.69	100	248	A	H	
														H
			5456.88	60.33	-13.67	74	49.13	31.63	6.26	26.69	104	281	P	V
			5468.56	66.11	-2.09	68.2	54.87	31.67	6.26	26.69	104	281	P	V
			5459.28	50.11	-3.89	54	38.9	31.64	6.26	26.69	104	281	A	V
	*		5500	112.06	-	-	100.68	31.8	6.27	26.69	104	281	P	V
	*		5500	104.03	-	-	92.65	31.8	6.27	26.69	104	281	A	V
														V
802.11a CH 116 5580MHz		5423.44	51.34	-22.66	74	40.29	31.49	6.25	26.69	106	249	P	H	
		5461.84	51.47	-16.73	68.2	40.25	31.65	6.26	26.69	106	249	P	H	
		5455.36	42.19	-11.81	54	31	31.62	6.26	26.69	106	249	A	H	
	*	5580	107.07	-	-	95.84	31.7	6.29	26.76	106	249	P	H	
	*	5580	99.34	-	-	88.11	31.7	6.29	26.76	106	249	A	H	
			5741.06	51.74	-16.46	68.2	40.12	32.05	6.47	26.9	106	249	P	H
			5459.92	52.25	-21.75	74	41.04	31.64	6.26	26.69	113	279	P	V
			5468.8	51.86	-16.34	68.2	40.61	31.68	6.26	26.69	113	279	P	V
			5457.76	42.4	-11.6	54	31.2	31.63	6.26	26.69	113	279	A	V
	*		5580	111.72	-	-	100.49	31.7	6.29	26.76	113	279	P	V
	*		5580	103.71	-	-	92.48	31.7	6.29	26.76	113	279	A	V
			5764.37	52.61	-15.59	68.2	40.93	32.1	6.5	26.92	113	279	P	V



<b>802.11a</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	106.64	-	-	95.29	31.8	6.42	26.87	122	254	P	H
	*	5700	98.66	-	-	87.31	31.8	6.42	26.87	122	254	A	H
		5725	58.12	-10.08	68.2	46.61	31.95	6.45	26.89	122	254	P	H
													H
													H
													H
	*	5700	110.57	-	-	99.22	31.8	6.42	26.87	100	286	P	V
	*	5700	102.58	-	-	91.23	31.8	6.42	26.87	100	286	A	V
		5725.56	60.74	-7.46	68.2	49.23	31.95	6.45	26.89	100	286	P	V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11a CH 100 5500MHz		11000	47.24	-26.76	74	53.12	40.1	9.63	56.13	100	0	P	H
		16500	48.11	-20.09	68.2	51.25	39.5	12.08	55.41	100	0	P	H
		17945	54.68	-19.32	74	51.81	45.86	12.93	56.51	100	208	P	H
		17945	44.48	-9.52	54	41.61	45.86	12.93	56.51	100	208	A	H
		11000	46.17	-27.83	74	52.05	40.1	9.63	56.13	100	0	P	V
		16500	46.25	-21.95	68.2	49.39	39.5	12.08	55.41	100	0	P	V
		17956	55.58	-18.42	74	52.5	46.05	12.94	56.5	298	215	P	V
		17956	45.38	-8.62	54	42.3	46.05	12.94	56.5	298	215	A	V
802.11a CH 116 5580MHz		11160	46.46	-27.54	74	52.51	39.72	9.73	56.02	100	0	P	H
		16740	47.35	-20.85	68.2	50.03	40.08	12.18	55.61	100	0	P	H
		17978	55.59	-18.41	74	52.1	46.43	12.96	56.49	100	222	P	H
		17978	45.29	-8.71	54	41.8	46.43	12.96	56.49	100	222	A	H
		11160	47.4	-26.6	74	53.45	39.72	9.73	56.02	100	0	P	V
		16740	47.67	-20.53	68.2	50.35	40.08	12.18	55.61	100	0	P	V
		17890	55.2	-18.8	74	53.29	44.96	12.9	56.55	269	204	P	V
		17890	44.1	-9.9	54	42.19	44.96	12.9	56.55	269	204	A	V
802.11a CH 140 5700MHz		11400	46.32	-27.68	74	51.79	40	10.39	55.86	100	0	P	H
		17100	48.65	-19.55	68.2	51.87	39.8	13.01	56.03	100	0	P	H
		17945	54.48	-19.52	74	51.61	45.86	13.52	56.51	100	213	P	H
		17945	44.18	-9.82	54	41.31	45.86	13.52	56.51	100	213	A	H
		11400	46.08	-27.92	74	51.55	40	10.39	55.86	100	0	P	V
		17100	47.74	-20.46	68.2	50.96	39.8	13.01	56.03	100	0	P	V
		17945	55.68	-18.32	74	52.81	45.86	13.52	56.51	284	261	P	V
		17945	45.08	-8.92	54	42.21	45.86	13.52	56.51	284	261	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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 100 5500MHz		5450.8	54.39	-19.61	74	43.22	31.6	6.26	26.69	100	252	P	H	
		5467.6	61.95	-6.25	68.2	50.71	31.67	6.26	26.69	100	252	P	H	
		5458.96	45.22	-8.78	54	34.01	31.64	6.26	26.69	100	252	A	H	
	*	5500	106.09	-	-	94.71	31.8	6.27	26.69	100	252	P	H	
	*	5500	97.72	-	-	86.34	31.8	6.27	26.69	100	252	A	H	
														H
			5456.88	58.07	-15.93	74	46.87	31.63	6.26	26.69	113	285	P	V
			5469.68	64.98	-3.22	68.2	53.73	31.68	6.26	26.69	113	285	P	V
			5458.96	48.44	-5.56	54	37.23	31.64	6.26	26.69	113	285	A	V
	*		5500	110.02	-	-	98.64	31.8	6.27	26.69	113	285	P	V
	*		5500	102.56	-	-	91.18	31.8	6.27	26.69	113	285	A	V
														V
802.11n HT20 CH 116 5580MHz		5386	50.74	-23.26	74	39.83	31.37	6.23	26.69	119	251	P	H	
		5463.28	49.06	-19.14	68.2	37.84	31.65	6.26	26.69	119	251	P	H	
		5459.44	42.06	-11.94	54	30.85	31.64	6.26	26.69	119	251	A	H	
	*	5580	106.93	-	-	95.7	31.7	6.29	26.76	119	251	P	H	
	*	5580	98.36	-	-	87.13	31.7	6.29	26.76	119	251	A	H	
			5728.775	51.69	-16.51	68.2	40.16	31.97	6.45	26.89	119	251	P	H
			5459.68	51.18	-22.82	74	39.97	31.64	6.26	26.69	112	281	P	V
			5465.44	50.44	-17.76	68.2	39.21	31.66	6.26	26.69	112	281	P	V
			5456.8	42.47	-11.53	54	31.27	31.63	6.26	26.69	112	281	A	V
	*		5580	111.09	-	-	99.86	31.7	6.29	26.76	112	281	P	V
	*		5580	103.11	-	-	91.88	31.7	6.29	26.76	112	281	A	V
			5725.625	51.18	-17.02	68.2	39.67	31.95	6.45	26.89	112	281	P	V



<b>802.11n</b> <b>HT20</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	106.56	-	-	95.21	31.8	6.42	26.87	119	255	P	H
	*	5700	98.5	-	-	87.15	31.8	6.42	26.87	119	255	A	H
		5725.16	61.9	-6.3	68.2	50.39	31.95	6.45	26.89	119	255	P	H
													H
													H
													H
	*	5700	109.93	-	-	98.58	31.8	6.42	26.87	100	285	P	V
	*	5700	102.43	-	-	91.08	31.8	6.42	26.87	100	285	A	V
		5725.16	65.53	-2.67	68.2	54.02	31.95	6.45	26.89	100	285	P	V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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 100 5500MHz		11000	47.18	-26.82	74	53.06	40.1	10.15	56.13	100	0	P	H
		16500	46.72	-21.48	68.2	49.86	39.5	12.77	55.41	100	0	P	H
		17978	55.09	-18.91	74	51.6	46.43	13.55	56.49	100	202	P	H
		17978	45.29	-8.71	54	41.8	46.43	13.55	56.49	100	202	A	H
		11000	47.12	-26.88	74	53	40.1	10.15	56.13	100	0	P	V
		16500	47.15	-21.05	68.2	50.29	39.5	12.77	55.41	100	0	P	V
		17967	54.88	-19.12	74	51.6	46.24	13.54	56.5	301	218	P	V
		17967	45.08	-8.92	54	41.8	46.24	13.54	56.5	301	218	A	V
802.11n HT20 CH 116 5580MHz		11160	48.14	-25.86	74	54.19	39.72	10.25	56.02	100	0	P	H
		16740	47.86	-20.34	68.2	50.54	40.08	12.85	55.61	100	0	P	H
		17945	55.18	-18.82	74	52.31	45.86	13.52	56.51	100	220	P	H
		17945	44.48	-9.52	54	41.61	45.86	13.52	56.51	100	220	A	H
		11160	46.63	-27.37	74	52.68	39.72	10.25	56.02	100	0	P	V
		16740	47.41	-20.79	68.2	50.09	40.08	12.85	55.61	100	0	P	V
		17945	55.48	-18.52	74	52.61	45.86	13.52	56.51	306	219	P	V
		17945	44.98	-9.02	54	42.11	45.86	13.52	56.51	306	219	A	V
802.11n HT20 CH 140 5700MHz		11400	46.88	-27.12	74	52.35	40	10.39	55.86	100	0	P	H
		17100	48.53	-19.67	68.2	51.75	39.8	13.01	56.03	100	0	P	H
		17945	55.28	-18.72	74	52.41	45.86	13.52	56.51	100	203	P	H
		17945	44.48	-9.52	54	41.61	45.86	13.52	56.51	100	203	A	H
		11400	47.1	-26.9	74	52.57	40	10.39	55.86	100	0	P	V
		17100	47.68	-20.52	68.2	50.9	39.8	13.01	56.03	100	0	P	V
		17956	55.28	-18.72	74	52.2	46.05	13.53	56.5	300	205	P	V
		17956	44.98	-9.02	54	41.9	46.05	13.53	56.5	300	205	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a SHF		35226	43.58	-24.62	68.2	40.25	42.41	16.91	55.99	150	0	P	H
		39780	49.85	-24.15	74	39.53	45.01	19.96	54.65	150	0	P	H
													H
													H
		29286	42.04	-26.16	68.2	40.88	40.41	15.39	54.64	150	0	P	V
		37976	46.98	-21.22	68.2	39.92	43.08	20.01	56.03	150	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a LF		185.2	33.12	-10.38	43.5	49.27	14.92	1.21	32.28	-	-	P	H	
		408.3	32.87	-13.13	46	40.63	22.21	1.74	31.71	-	-	P	H	
		504.33	32.39	-13.61	46	38.95	24.02	1.93	32.51	-	-	P	H	
		551.86	35.77	-10.23	46	40.6	25.58	1.99	32.4	100	0	P	H	
		600.36	33.9	-12.1	46	38.62	25.5	2.07	32.29	-	-	P	H	
		958.29	32.28	-13.72	46	29.86	30.6	2.72	30.9	-	-	P	H	
														H
														H
														H
														H
														H
														H
			32.91	23.38	-16.62	40	31.87	23.25	0.5	32.24	-	-	P	V
			185.2	26.73	-16.77	43.5	42.88	14.92	1.21	32.28	-	-	P	V
			504.33	30.82	-15.18	46	37.38	24.02	1.93	32.51	-	-	P	V
			551.86	29.97	-16.03	46	34.8	25.58	1.99	32.4	-	-	P	V
			600.36	30.9	-15.1	46	35.62	25.5	2.07	32.29	100	0	P	V
			835.1	30.63	-15.37	46	31.39	28.61	2.47	31.84	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													





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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 36 5180MHz		5148.98	64.96	-9.04	74	53.7	31.9	6.06	26.7	100	170	P	H	
		5149.5	52.11	-1.89	54	40.85	31.9	6.06	26.7	100	170	A	H	
	*	5180	109.83	-	-	98.8	31.66	6.07	26.7	100	170	P	H	
	*	5180	102.03	-	-	91	31.66	6.07	26.7	100	170	A	H	
													H	
													H	
			5148.98	62.69	-11.31	74	51.43	31.9	6.06	26.7	100	309	P	V
			5150	50.9	-3.1	54	39.63	31.9	6.07	26.7	100	309	A	V
	*		5180	107.53	-	-	96.5	31.66	6.07	26.7	100	309	P	V
	*		5180	99.73	-	-	88.7	31.66	6.07	26.7	100	309	A	V
														V
														V
802.11a CH 44 5220MHz		5062.14	53.55	-20.45	74	42.45	31.75	6.06	26.71	100	171	P	H	
		5148.46	44.11	-9.89	54	32.85	31.9	6.06	26.7	100	171	A	H	
	*	5220	108.77	-	-	97.96	31.42	6.09	26.7	100	171	P	H	
	*	5220	101.14	-	-	90.33	31.42	6.09	26.7	100	171	A	H	
			5437.88	50.32	-23.68	74	39.21	31.55	6.25	26.69	100	171	P	H
			5445.72	41.96	-12.04	54	30.82	31.58	6.25	26.69	100	171	A	H
			5146.38	52.23	-21.77	74	40.97	31.9	6.06	26.7	100	306	P	V
			5143.26	43.59	-10.41	54	32.33	31.9	6.06	26.7	100	306	A	V
	*		5220	107.2	-	-	96.39	31.42	6.09	26.7	100	306	P	V
	*		5220	99.53	-	-	88.72	31.42	6.09	26.7	100	306	A	V
			5457.48	51.46	-22.54	74	40.26	31.63	6.26	26.69	100	306	P	V
			5450.48	42.09	-11.91	54	30.92	31.6	6.26	26.69	100	306	A	V



<b>802.11a CH 48 5240MHz</b>		5107.38	52.31	-21.69	74	41.06	31.9	6.06	26.71	100	264	P	H
		5137.8	43.51	-10.49	54	32.25	31.9	6.06	26.7	100	264	A	H
	*	5240	109.12	-	-	98.38	31.34	6.1	26.7	100	264	P	H
	*	5240	101.2	-	-	90.46	31.34	6.1	26.7	100	264	A	H
		5453	51.38	-22.62	74	40.2	31.61	6.26	26.69	100	264	P	H
		5439	42.08	-11.92	54	30.96	31.56	6.25	26.69	100	264	A	H
		5092.56	52.45	-21.55	74	41.23	31.87	6.06	26.71	106	307	P	V
		5133.64	43.36	-10.64	54	32.1	31.9	6.06	26.7	106	307	A	V
	*	5240	107.58	-	-	96.84	31.34	6.1	26.7	106	307	P	V
	*	5240	99.72	-	-	88.98	31.34	6.1	26.7	106	307	A	V
		5454.4	50.37	-23.63	74	39.18	31.62	6.26	26.69	106	307	P	V
		5456.64	42.04	-11.96	54	30.84	31.63	6.26	26.69	106	307	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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	46.26	-21.94	68.2	53.51	39.38	9.88	56.51	100	0	P	H
		15540	46.25	-27.75	74	51.33	38.28	12.48	55.84	100	0	P	H
		17923	54.98	-19.02	74	52.5	45.49	13.52	56.53	100	202	P	H
		17923	43.88	-10.12	54	41.4	45.49	13.52	56.53	100	202	A	H
		10360	46.32	-21.88	68.2	53.57	39.38	9.88	56.51	100	0	P	V
		15540	45.48	-28.52	74	50.56	38.28	12.48	55.84	100	0	P	V
		17967	55.48	-18.52	74	52.2	46.24	13.54	56.5	300	208	P	V
		17967	45.08	-8.92	54	41.8	46.24	13.54	56.5	300	208	A	V
802.11a CH 44 5220MHz		10440	47.32	-20.88	68.2	54.28	39.58	9.92	56.46	100	0	P	H
		15660	46.14	-27.86	74	51.55	37.86	12.51	55.78	100	0	P	H
		17989	55.49	-18.51	74	51.81	46.61	13.55	56.48	100	233	P	H
		17989	45.29	-8.71	54	41.61	46.61	13.55	56.48	100	233	A	H
		10440	47.18	-21.02	68.2	54.14	39.58	9.92	56.46	100	0	P	V
		15660	44.75	-29.25	74	50.16	37.86	12.51	55.78	100	0	P	V
		17956	54.98	-19.02	74	51.9	46.05	13.53	56.5	288	214	P	V
		17956	44.88	-9.12	54	41.8	46.05	13.53	56.5	288	214	A	V
802.11a CH 48 5240MHz		10480	47.55	-20.65	68.2	54.38	39.66	9.94	56.43	100	0	P	H
		15720	45.9	-28.1	74	51.25	37.88	12.52	55.75	100	0	P	H
		18000	55.49	-18.51	74	51.6	46.8	13.56	56.47	100	209	P	H
		18000	45.39	-8.61	54	41.5	46.8	13.56	56.47	100	209	A	H
		10480	47.13	-21.07	68.2	53.96	39.66	9.94	56.43	100	0	P	V
		15720	45.52	-28.48	74	50.87	37.88	12.52	55.75	100	0	P	V
		17978	55.39	-18.61	74	51.9	46.43	13.55	56.49	300	209	P	V
		17978	45.19	-8.81	54	41.7	46.43	13.55	56.49	300	209	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 (Band Edge @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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		5150	63.57	-10.43	74	52.3	31.9	6.07	26.7	100	165	P	H	
		5150	50.74	-3.26	54	39.47	31.9	6.07	26.7	100	165	A	H	
	*	5180	108.03	-	-	97	31.66	6.07	26.7	100	165	P	H	
	*	5180	100.63	-	-	89.6	31.66	6.07	26.7	100	165	A	H	
													H	
													H	
			5150	58.85	-15.15	74	47.58	31.9	6.07	26.7	100	306	P	V
			5150	48.45	-5.55	54	37.18	31.9	6.07	26.7	100	306	A	V
		*	5180	104.63	-	-	93.6	31.66	6.07	26.7	100	306	P	V
		*	5180	97.13	-	-	86.1	31.66	6.07	26.7	100	306	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5034.84	52.61	-21.39	74	41.66	31.61	6.05	26.71	100	170	P	H	
		5149.24	44.24	-9.76	54	32.98	31.9	6.06	26.7	100	170	A	H	
		* 5220	109.3	-	-	98.49	31.42	6.09	26.7	100	170	P	H	
		* 5220	100.87	-	-	90.06	31.42	6.09	26.7	100	170	A	H	
			5451.04	50.53	-23.47	74	39.36	31.6	6.26	26.69	100	170	P	H
			5452.16	41.99	-12.01	54	30.81	31.61	6.26	26.69	100	170	A	H
			5132.34	51.92	-22.08	74	40.66	31.9	6.06	26.7	100	307	P	V
			5150	43.89	-10.11	54	32.62	31.9	6.07	26.7	100	307	A	V
		*	5220	106.91	-	-	96.1	31.42	6.09	26.7	100	307	P	V
		*	5220	99.24	-	-	88.43	31.42	6.09	26.7	100	307	A	V
		5428.64	50.76	-23.24	74	39.69	31.51	6.25	26.69	100	307	P	V	
		5457.48	42.02	-11.98	54	30.82	31.63	6.26	26.69	100	307	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 48</b> <b>5240MHz</b>		5128.96	52.83	-21.17	74	41.57	31.9	6.06	26.7	102	263	P	H
		5130	43.44	-10.56	54	32.18	31.9	6.06	26.7	102	263	A	H
	*	5240	108.59	-	-	97.85	31.34	6.1	26.7	102	263	P	H
	*	5240	101.15	-	-	90.41	31.34	6.1	26.7	102	263	A	H
		5420.52	50.91	-23.09	74	39.87	31.48	6.25	26.69	102	263	P	H
		5454.96	41.99	-12.01	54	30.8	31.62	6.26	26.69	102	263	A	H
		5089.44	51.68	-22.32	74	40.47	31.86	6.06	26.71	102	306	P	V
		5064.22	43.36	-10.64	54	32.25	31.76	6.06	26.71	102	306	A	V
	*	5240	107.3	-	-	96.56	31.34	6.1	26.7	102	306	P	V
	*	5240	99.66	-	-	88.92	31.34	6.1	26.7	102	306	A	V
		5381.88	50.88	-23.12	74	39.99	31.36	6.22	26.69	102	306	P	V
		5458.32	41.96	-12.04	54	30.76	31.63	6.26	26.69	102	306	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 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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		10360	46.08	-22.12	68.2	53.33	39.38	9.88	56.51	100	0	P	H
		15540	45.17	-28.83	74	50.25	38.28	12.48	55.84	100	0	P	H
		17978	55.69	-18.31	74	52.2	46.43	13.55	56.49	100	213	P	H
		17978	44.99	-9.01	54	41.5	46.43	13.55	56.49	100	213	A	H
		10360	46.64	-21.56	68.2	53.89	39.38	9.88	56.51	100	0	P	V
		15540	45.06	-28.94	74	50.14	38.28	12.48	55.84	100	0	P	V
		17989	56.09	-17.91	74	52.41	46.61	13.55	56.48	299	231	P	V
	17989	45.79	-8.21	54	42.11	46.61	13.55	56.48	299	231	A	V	
802.11n HT20 CH 44 5220MHz		10440	46.34	-21.86	68.2	53.3	39.58	9.92	56.46	100	0	P	H
		15660	44.95	-29.05	74	50.36	37.86	12.51	55.78	100	0	P	H
		18000	56.29	-17.71	74	52.4	46.8	13.56	56.47	100	252	P	H
		18000	45.59	-8.41	54	41.7	46.8	13.56	56.47	100	252	A	H
		10440	46.46	-21.74	68.2	53.42	39.58	9.92	56.46	100	0	P	V
		15660	45.27	-28.73	74	50.68	37.86	12.51	55.78	100	0	P	V
		17989	55.79	-18.21	74	52.11	46.61	13.55	56.48	301	225	P	V
	17989	45.79	-8.21	54	42.11	46.61	13.55	56.48	301	225	A	V	
802.11n HT20 CH 48 5240MHz		10480	46.78	-21.42	68.2	53.61	39.66	9.94	56.43	100	0	P	H
		15720	44.94	-29.06	74	50.29	37.88	12.52	55.75	100	0	P	H
		17967	55.38	-18.62	74	52.1	46.24	13.54	56.5	100	235	P	H
		17967	44.88	-9.12	54	41.6	46.24	13.54	56.5	100	235	A	H
		10480	47.28	-20.92	68.2	54.11	39.66	9.94	56.43	100	0	P	V
		15720	46.19	-27.81	74	51.54	37.88	12.52	55.75	100	0	P	V
		18000	55.99	-18.01	74	52.1	46.8	13.56	56.47	306	218	P	V
	18000	45.69	-8.31	54	41.8	46.8	13.56	56.47	306	218	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WiFi Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11a CH 52 5260MHz		5054.74	52.36	-21.64	74	41.29	31.72	6.06	26.71	101	170	P	H
		5101.32	43.35	-10.65	54	32.1	31.9	6.06	26.71	101	170	A	H
	*	5260	108.87	-	-	98.15	31.3	6.12	26.7	101	170	P	H
	*	5260	101	-	-	90.28	31.3	6.12	26.7	101	170	A	H
		5384.88	50.91	-23.09	74	40	31.37	6.23	26.69	101	170	P	H
		5452.08	42.07	-11.93	54	30.89	31.61	6.26	26.69	101	170	A	H
		5028.9	52.7	-21.3	74	41.79	31.57	6.05	26.71	100	307	P	V
		5081.6	43.29	-10.71	54	32.11	31.83	6.06	26.71	100	307	A	V
	*	5260	107.53	-	-	96.81	31.3	6.12	26.7	100	307	P	V
	*	5260	99.65	-	-	88.93	31.3	6.12	26.7	100	307	A	V
		5400.48	51.72	-22.28	74	40.77	31.4	6.24	26.69	100	307	P	V
		5452.08	41.95	-12.05	54	30.77	31.61	6.26	26.69	100	307	A	V
802.11a CH 60 5300MHz		5042.16	53.64	-20.36	74	42.65	31.65	6.05	26.71	100	262	P	H
		5086.02	43.4	-10.6	54	32.21	31.84	6.06	26.71	100	262	A	H
	*	5300	108.8	-	-	98.05	31.3	6.15	26.7	100	262	P	H
	*	5300	100.93	-	-	90.18	31.3	6.15	26.7	100	262	A	H
		5361.36	53.79	-20.21	74	42.96	31.32	6.21	26.7	100	262	P	H
		5350.8	45.13	-8.87	54	34.33	31.3	6.2	26.7	100	262	A	H
		5144.5	52.17	-21.83	74	40.91	31.9	6.06	26.7	115	307	P	V
		5095.2	43.39	-10.61	54	32.16	31.88	6.06	26.71	115	307	A	V
	*	5300	107.39	-	-	96.64	31.3	6.15	26.7	115	307	P	V
	*	5300	99.74	-	-	88.99	31.3	6.15	26.7	115	307	A	V
		5355.84	52.29	-21.71	74	41.48	31.31	6.2	26.7	115	307	P	V
		5350.56	44.24	-9.76	54	33.44	31.3	6.2	26.7	115	307	A	V



<b>802.11a CH 64 5320MHz</b>	*	5320	108.27	-	-	97.5	31.3	6.17	26.7	100	267	P	H
	*	5320	100.97	-	-	90.2	31.3	6.17	26.7	100	267	A	H
		5358.72	58.24	-15.76	74	47.42	31.32	6.2	26.7	100	267	P	H
		5350.24	48.95	-5.05	54	38.15	31.3	6.2	26.7	100	267	A	H
													H
													H
	*	5320	107.97	-	-	97.2	31.3	6.17	26.7	100	304	P	V
	*	5320	100.37	-	-	89.6	31.3	6.17	26.7	100	304	A	V
		5350.08	56.22	-17.78	74	45.42	31.3	6.2	26.7	100	304	P	V
		5350.24	47.84	-6.16	54	37.04	31.3	6.2	26.7	100	304	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





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

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.96	-21.24	68.2	53.76	39.66	9.95	56.41	100	0	P	H
		15780	47.29	-26.71	74	52.65	37.82	12.54	55.72	100	0	P	H
		18000	55.49	-18.51	74	51.6	46.8	13.56	56.47	100	205	P	H
		18000	45.59	-8.41	54	41.7	46.8	13.56	56.47	100	205	A	H
		10520	47.56	-20.64	68.2	54.36	39.66	9.95	56.41	100	0	P	V
		15780	45.81	-28.19	74	51.17	37.82	12.54	55.72	100	0	P	V
		17967	55.48	-18.52	74	52.2	46.24	13.54	56.5	297	206	P	V
		17967	45.18	-8.82	54	41.9	46.24	13.54	56.5	297	206	A	V
802.11a CH 60 5300MHz		10600	46.9	-27.1	74	53.77	39.5	9.99	56.36	100	0	P	H
		15900	44.57	-29.43	74	50.06	37.6	12.57	55.66	100	0	P	H
		17978	54.99	-19.01	74	51.5	46.43	13.55	56.49	100	231	P	H
		17978	45.09	-8.91	54	41.6	46.43	13.55	56.49	100	231	A	H
		10600	46.22	-27.78	74	53.09	39.5	9.99	56.36	100	0	P	V
		15900	47.06	-26.94	74	52.55	37.6	12.57	55.66	100	0	P	V
		18000	55.29	-18.71	74	51.4	46.8	13.56	56.47	288	211	P	V
		18000	45.59	-8.41	54	41.7	46.8	13.56	56.47	288	211	A	V
802.11a CH 64 5320MHz		10640	47.27	-26.73	74	53.99	39.62	10	56.34	100	0	P	H
		15960	45.31	-28.69	74	50.7	37.66	12.58	55.63	100	0	P	H
		17956	55.28	-18.72	74	52.2	46.05	13.53	56.5	100	219	P	H
		17956	44.68	-9.32	54	41.6	46.05	13.53	56.5	100	219	A	H
		10640	47.23	-26.77	74	53.95	39.62	10	56.34	100	0	P	V
		15960	45.97	-28.03	74	51.36	37.66	12.58	55.63	100	0	P	V
		17967	55.58	-18.42	74	52.3	46.24	13.54	56.5	294	204	P	V
		17967	45.08	-8.92	54	41.8	46.24	13.54	56.5	294	204	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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 52 5260MHz		5101.32	52.51	-21.49	74	41.26	31.9	6.06	26.71	100	171	P	H
		5106.76	43.46	-10.54	54	32.21	31.9	6.06	26.71	100	171	A	H
	*	5260	108.43	-	-	97.71	31.3	6.12	26.7	100	171	P	H
	*	5260	100.76	-	-	90.04	31.3	6.12	26.7	100	171	A	H
		5446.8	51.14	-22.86	74	39.99	31.59	6.25	26.69	100	171	P	H
		5450.4	42.1	-11.9	54	30.93	31.6	6.26	26.69	100	171	A	H
		5002.72	53	-21	74	42.24	31.42	6.05	26.71	100	307	P	V
		5079.22	43.37	-10.63	54	32.2	31.82	6.06	26.71	100	307	A	V
	*	5260	106.98	-	-	96.26	31.3	6.12	26.7	100	307	P	V
	*	5260	99.53	-	-	88.81	31.3	6.12	26.7	100	307	A	V
		5451.84	51.13	-22.87	74	39.95	31.61	6.26	26.69	100	307	P	V
		5452.56	42.14	-11.86	54	30.96	31.61	6.26	26.69	100	307	A	V
802.11n HT20 CH 60 5300MHz		5034.68	52.74	-21.26	74	41.79	31.61	6.05	26.71	100	265	P	H
		5117.98	43.56	-10.44	54	32.31	31.9	6.06	26.71	100	265	A	H
	*	5300	108.76	-	-	98.01	31.3	6.15	26.7	100	265	P	H
	*	5300	101.16	-	-	90.41	31.3	6.15	26.7	100	265	A	H
		5350.56	53.01	-20.99	74	42.21	31.3	6.2	26.7	100	265	P	H
		5350.32	45.68	-8.32	54	34.88	31.3	6.2	26.7	100	265	A	H
		5059.5	52.73	-21.27	74	41.64	31.74	6.06	26.71	100	307	P	V
		5073.78	43.64	-10.36	54	32.49	31.8	6.06	26.71	100	307	A	V
	*	5300	107.26	-	-	96.51	31.3	6.15	26.7	100	307	P	V
	*	5300	99.76	-	-	89.01	31.3	6.15	26.7	100	307	A	V
	5350.8	51.82	-22.18	74	41.02	31.3	6.2	26.7	100	307	P	V	
	5351.04	44.48	-9.52	54	33.68	31.3	6.2	26.7	100	307	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 64</b> <b>5320MHz</b>	*	5320	108.97	-	-	98.2	31.3	6.17	26.7	119	269	P	H
	*	5320	101.27	-	-	90.5	31.3	6.17	26.7	119	269	A	H
		5353.76	59.06	-14.94	74	48.25	31.31	6.2	26.7	119	269	P	H
		5350.4	48.7	-5.3	54	37.9	31.3	6.2	26.7	119	269	A	H
													H
													H
	*	5320	107.07	-	-	96.3	31.3	6.17	26.7	100	303	P	V
	*	5320	99.36	-	-	88.59	31.3	6.17	26.7	100	303	A	V
		5351.84	55.87	-18.13	74	45.07	31.3	6.2	26.7	100	303	P	V
		5350.08	47.33	-6.67	54	36.53	31.3	6.2	26.7	100	303	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( 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 52 5260MHz		10520	45.94	-22.26	68.2	52.74	39.66	9.95	56.41	100	0	P	H
		15780	46.58	-27.42	74	51.94	37.82	12.54	55.72	100	0	P	H
		17989	55.79	-18.21	74	52.11	46.61	13.55	56.48	100	229	P	H
		17989	44.99	-9.01	54	41.31	46.61	13.55	56.48	100	229	A	H
		10520	46.76	-21.44	68.2	53.56	39.66	9.95	56.41	100	0	P	V
		15780	45.73	-28.27	74	51.09	37.82	12.54	55.72	100	0	P	V
		17978	55.39	-18.61	74	51.9	46.43	13.55	56.49	300	205	P	V
	17978	45.29	-8.71	54	41.8	46.43	13.55	56.49	300	205	A	V	
802.11n HT20 CH 60 5300MHz		10600	47.18	-26.82	74	54.05	39.5	9.99	56.36	100	0	P	H
		15900	46.1	-27.9	74	51.59	37.6	12.57	55.66	100	0	P	H
		17945	55.58	-18.42	74	52.71	45.86	13.52	56.51	100	209	P	H
		17945	44.38	-9.62	54	41.51	45.86	13.52	56.51	100	209	A	H
		10600	46.54	-27.46	74	53.41	39.5	9.99	56.36	100	0	P	V
		15900	45.72	-28.28	74	51.21	37.6	12.57	55.66	100	0	P	V
		17956	55.38	-18.62	74	52.3	46.05	13.53	56.5	302	209	P	V
	17956	44.98	-9.02	54	41.9	46.05	13.53	56.5	302	209	A	V	
802.11n HT20 CH 64 5320MHz		10640	46.87	-27.13	74	53.59	39.62	10	56.34	100	0	P	H
		15960	44.29	-29.71	74	49.68	37.66	12.58	55.63	100	0	P	H
		17989	55.49	-18.51	74	51.81	46.61	13.55	56.48	100	233	P	H
		17989	45.19	-8.81	54	41.51	46.61	13.55	56.48	100	233	A	H
		10640	46.84	-27.16	74	53.56	39.62	10	56.34	100	0	P	V
		15960	45.21	-28.79	74	50.6	37.66	12.58	55.63	100	0	P	V
		17978	55.79	-18.21	74	52.3	46.43	13.55	56.49	308	218	P	V
	17978	45.59	-8.41	54	42.1	46.43	13.55	56.49	308	218	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 100 5500MHz		5454.64	59.07	-14.93	74	47.88	31.62	6.26	26.69	120	265	P	H	
		5469.84	66.08	-2.12	68.2	54.83	31.68	6.26	26.69	120	265	P	H	
		5460	47.35	-6.65	54	36.14	31.64	6.26	26.69	120	265	A	H	
	*	5500	109.65	-	-	98.27	31.8	6.27	26.69	120	265	P	H	
	*	5500	101.99	-	-	90.61	31.8	6.27	26.69	120	265	A	H	
														H
			5453.68	57.96	-16.04	74	46.78	31.61	6.26	26.69	100	83	P	V
			5468.88	65.92	-2.28	68.2	54.67	31.68	6.26	26.69	100	83	P	V
			5459.44	47.25	-6.75	54	36.04	31.64	6.26	26.69	100	83	A	V
	*		5500	109.37	-	-	97.99	31.8	6.27	26.69	100	83	P	V
	*		5500	101.7	-	-	90.32	31.8	6.27	26.69	100	83	A	V
														V
802.11a CH 116 5580MHz		5450.56	51.96	-22.04	74	40.79	31.6	6.26	26.69	100	232	P	H	
		5461.6	49.56	-18.64	68.2	38.34	31.65	6.26	26.69	100	232	P	H	
		5456.56	42.46	-11.54	54	31.26	31.63	6.26	26.69	100	232	A	H	
	*	5580	110.53	-	-	99.3	31.7	6.29	26.76	100	232	P	H	
	*	5580	102.63	-	-	91.4	31.7	6.29	26.76	100	232	A	H	
			5756.18	51.37	-16.83	68.2	39.7	32.1	6.49	26.92	100	232	P	H
			5447.44	50.34	-23.66	74	39.19	31.59	6.25	26.69	100	97	P	V
			5467.12	49.67	-18.53	68.2	38.43	31.67	6.26	26.69	100	97	P	V
			5457.28	42.45	-11.55	54	31.25	31.63	6.26	26.69	100	97	A	V
	*		5580	109.03	-	-	97.8	31.7	6.29	26.76	100	97	P	V
	*		5580	101.13	-	-	89.9	31.7	6.29	26.76	100	97	A	V
			5765	51.28	-16.92	68.2	39.6	32.1	6.5	26.92	100	97	P	V



<b>802.11a</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	109.75	-	-	98.4	31.8	6.42	26.87	100	233	P	H
	*	5700	102.05	-	-	90.7	31.8	6.42	26.87	100	233	A	H
		5726.28	62.4	-5.8	68.2	50.88	31.96	6.45	26.89	100	233	P	H
													H
													H
													H
	*	5700	107.45	-	-	96.1	31.8	6.42	26.87	100	86	P	V
	*	5700	99.76	-	-	88.41	31.8	6.42	26.87	100	86	A	V
		5725.96	61.25	-6.95	68.2	49.73	31.96	6.45	26.89	100	86	P	V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11a CH 100 5500MHz		11000	47.49	-26.51	74	53.37	40.1	10.15	56.13	100	0	P	H
		16500	46.41	-21.79	68.2	49.55	39.5	12.77	55.41	100	0	P	H
		17978	55.09	-18.91	74	51.6	46.43	13.55	56.49	100	222	P	H
		17978	45.19	-8.81	54	41.7	46.43	13.55	56.49	100	222	A	H
		11000	46.85	-27.15	74	52.73	40.1	10.15	56.13	100	0	P	V
		16500	46.48	-21.72	68.2	49.62	39.5	12.77	55.41	100	0	P	V
		17945	55.08	-18.92	74	52.21	45.86	13.52	56.51	298	219	P	V
		17945	44.68	-9.32	54	41.81	45.86	13.52	56.51	298	219	A	V
802.11a CH 116 5580MHz		11160	46.8	-27.2	74	52.85	39.72	10.25	56.02	100	0	P	H
		16740	47.77	-20.43	68.2	50.45	40.08	12.85	55.61	100	0	P	H
		17978	55.39	-18.61	74	51.9	46.43	13.55	56.49	100	221	P	H
		17978	45.09	-8.91	54	41.6	46.43	13.55	56.49	100	221	A	H
		11160	46.51	-27.49	74	52.56	39.72	10.25	56.02	100	0	P	V
		16740	47.19	-21.01	68.2	49.87	40.08	12.85	55.61	100	0	P	V
		17989	55.29	-18.71	74	51.61	46.61	13.55	56.48	312	208	P	V
		17989	45.49	-8.51	54	41.81	46.61	13.55	56.48	312	208	A	V
802.11a CH 140 5700MHz		11400	47.28	-26.72	74	52.75	40	10.39	55.86	100	0	P	H
		17100	47.67	-20.53	68.2	50.89	39.8	13.01	56.03	100	0	P	H
		17967	55.68	-18.32	74	52.4	46.24	13.54	56.5	100	222	P	H
		17967	45.08	-8.92	54	41.8	46.24	13.54	56.5	100	222	A	H
		11400	47.92	-26.08	74	53.39	40	10.39	55.86	100	0	P	V
		17100	48.24	-19.96	68.2	51.46	39.8	13.01	56.03	100	0	P	V
		17901	54.87	-19.13	74	52.8	45.12	13.5	56.55	311	221	P	V
		17901	44.17	-9.83	54	42.1	45.12	13.5	56.55	311	221	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBµV/m )	Over Limit ( dB )	Limit Line ( dBµV/m )	Read Level (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 100 5500MHz		5457.04	56.31	-17.69	74	45.11	31.63	6.26	26.69	100	229	P	H	
		5468.4	65.72	-2.48	68.2	54.48	31.67	6.26	26.69	100	229	P	H	
		5459.6	46.59	-7.41	54	35.38	31.64	6.26	26.69	100	229	A	H	
	*	5500	107.68	-	-	96.3	31.8	6.27	26.69	100	229	P	H	
	*	5500	99.8	-	-	88.42	31.8	6.27	26.69	100	229	A	H	
														H
			5459.44	55.22	-18.78	74	44.01	31.64	6.26	26.69	100	86	P	V
			5466.8	64.44	-3.76	68.2	53.2	31.67	6.26	26.69	100	86	P	V
			5459.92	46.39	-7.61	54	35.18	31.64	6.26	26.69	100	86	A	V
	*		5500	107.58	-	-	96.2	31.8	6.27	26.69	100	86	P	V
	*		5500	99.28	-	-	87.9	31.8	6.27	26.69	100	86	A	V
														V
802.11n HT20 CH 116 5580MHz		5422.72	53.07	-20.93	74	42.02	31.49	6.25	26.69	100	232	P	H	
		5469.52	51.88	-16.32	68.2	40.63	31.68	6.26	26.69	100	232	P	H	
		5458.96	42.49	-11.51	54	31.28	31.64	6.26	26.69	100	232	A	H	
	*	5580	109.73	-	-	98.5	31.7	6.29	26.76	100	232	P	H	
	*	5580	102.43	-	-	91.2	31.7	6.29	26.76	100	232	A	H	
			5738.855	51.27	-16.93	68.2	39.67	32.03	6.47	26.9	100	232	P	H
			5425.6	50.97	-23.03	74	39.91	31.5	6.25	26.69	100	97	P	V
			5469.76	50.31	-17.89	68.2	39.06	31.68	6.26	26.69	100	97	P	V
			5451.52	42.46	-11.54	54	31.28	31.61	6.26	26.69	100	97	A	V
	*		5580	108.23	-	-	97	31.7	6.29	26.76	100	97	P	V
	*		5580	100.73	-	-	89.5	31.7	6.29	26.76	100	97	A	V
			5736.02	50.88	-17.32	68.2	39.3	32.02	6.46	26.9	100	97	P	V





<b>802.11n</b> <b>HT20</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	108.55	-	-	97.2	31.8	6.42	26.87	100	231	P	H
	*	5700	101.25	-	-	89.9	31.8	6.42	26.87	100	231	A	H
		5725.08	63.52	-4.68	68.2	52.01	31.95	6.45	26.89	100	231	P	H
													H
													H
													H
	*	5700	106.85	-	-	95.5	31.8	6.42	26.87	100	82	P	V
	*	5700	99.05	-	-	87.7	31.8	6.42	26.87	100	82	A	V
		5725.16	62.37	-5.83	68.2	50.86	31.95	6.45	26.89	100	82	P	V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (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 100 5500MHz		11000	46.42	-27.58	74	52.3	40.1	10.15	56.13	100	0	P	H
		16500	46.27	-21.93	68.2	49.41	39.5	12.77	55.41	100	0	P	H
		17945	55.48	-18.52	74	52.61	45.86	13.52	56.51	100	219	P	H
		17945	44.68	-9.32	54	41.81	45.86	13.52	56.51	100	219	A	H
		11000	47.5	-26.5	74	53.38	40.1	10.15	56.13	100	0	P	V
		16500	46.51	-21.69	68.2	49.65	39.5	12.77	55.41	100	0	P	V
		18000	55.69	-18.31	74	51.8	46.8	13.56	56.47	309	225	P	V
	18000	45.69	-8.31	54	41.8	46.8	13.56	56.47	309	225	A	V	
802.11n HT20 CH 116 5580MHz		11160	46.64	-27.36	74	52.69	39.72	10.25	56.02	100	0	P	H
		16740	47.44	-20.76	68.2	50.12	40.08	12.85	55.61	100	0	P	H
		17989	55.29	-18.71	74	51.61	46.61	13.55	56.48	100	233	P	H
		17989	45.19	-8.81	54	41.51	46.61	13.55	56.48	100	233	A	H
		11160	46.45	-27.55	74	52.5	39.72	10.25	56.02	100	0	P	V
		16740	47.12	-21.08	68.2	49.8	40.08	12.85	55.61	100	0	P	V
		18000	55.69	-18.31	74	51.8	46.8	13.56	56.47	289	217	P	V
	18000	45.69	-8.31	54	41.8	46.8	13.56	56.47	289	217	A	V	
802.11n HT20 CH 140 5700MHz		11400	46.37	-27.63	74	51.84	40	10.39	55.86	100	0	P	H
		17100	47.14	-21.06	68.2	50.36	39.8	13.01	56.03	100	0	P	H
		17989	55.59	-18.41	74	51.91	46.61	13.55	56.48	100	222	P	H
		17989	45.49	-8.51	54	41.81	46.61	13.55	56.48	100	222	A	H
		11400	46.2	-27.8	74	51.67	40	10.39	55.86	100	0	P	V
		17100	46.91	-21.29	68.2	50.13	39.8	13.01	56.03	100	0	P	V
		17945	55.38	-18.62	74	52.51	45.86	13.52	56.51	315	218	P	V
	17945	45.08	-8.92	54	42.21	45.86	13.52	56.51	315	218	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Emission above 18GHz**

**WIFI 802.11a (SHF @ 1m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		( MHz )	( dBµV/m )	( dB )	( dBµV/m )	( dBµV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a SHF		25502	41.07	-27.13	68.2	40.66	39.8	14.01	53.4	150	0	P	H
		33312	44.02	-24.18	68.2	39.62	40.84	17.78	54.22	150	0	P	H
													H
													H
		25942	40.81	-27.39	68.2	40.38	39.36	14.29	53.22	150	0	P	V
		37074	46.36	-21.84	68.2	40.84	42.79	19.76	57.03	150	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a LF		185.2	33.28	-10.22	43.5	49.43	14.92	1.21	32.28	-	-	P	H	
		408.3	32.61	-13.39	46	40.37	22.21	1.74	31.71	-	-	P	H	
		504.33	33.27	-12.73	46	39.83	24.02	1.93	32.51	-	-	P	H	
		551.86	36.74	-9.26	46	41.57	25.58	1.99	32.4	100	0	P	H	
		600.36	34.2	-11.8	46	38.92	25.5	2.07	32.29	-	-	P	H	
		663.41	33.45	-12.55	46	36.91	26.23	2.18	31.87	-	-	P	H	
														H
														H
														H
														H
														H
														H
			32.91	27.65	-12.35	40	36.14	23.25	0.5	32.24	100	0	P	V
			185.2	26.51	-16.99	43.5	42.66	14.92	1.21	32.28	-	-	P	V
			504.33	30.45	-15.55	46	37.01	24.02	1.93	32.51	-	-	P	V
			551.86	32.04	-13.96	46	36.87	25.58	1.99	32.4	-	-	P	V
			600.36	30.37	-15.63	46	35.09	25.5	2.07	32.29	-	-	P	V
			955.38	33.08	-12.92	46	30.62	30.69	2.7	30.93	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



**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>over limit</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	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

**For Peak Limit @ 2390MHz:**

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

**For Average Limit @ 2390MHz:**

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

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



## Appendix D. Radiated Spurious Emission

Test Engineer :	Daniel Lee, Jacky Hung and Wilson Wu	Temperature :	21.5~23.5°C
		Relative Humidity :	49.5~55.5%

### Note symbol

-L	Low channel location
-R	High channel location



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

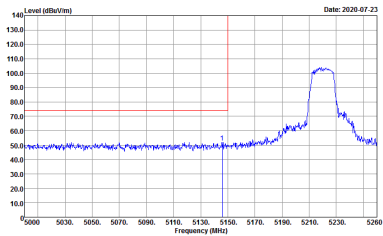
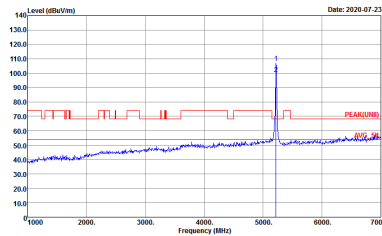
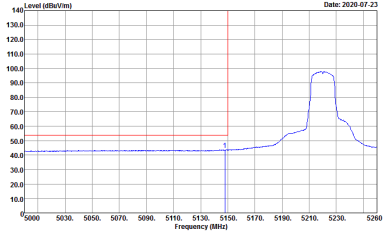
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY            Condition : PEAK(LINB) 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	<p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<b>Left blank</b>



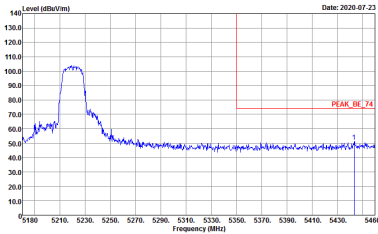
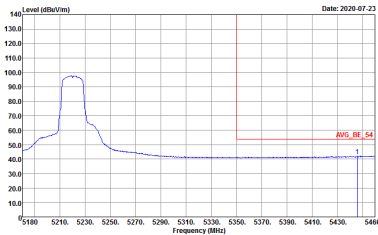


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

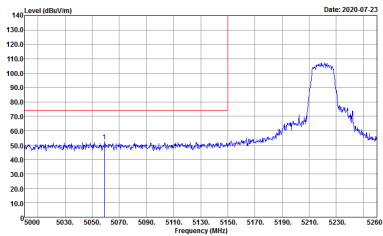
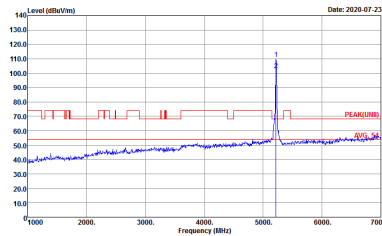
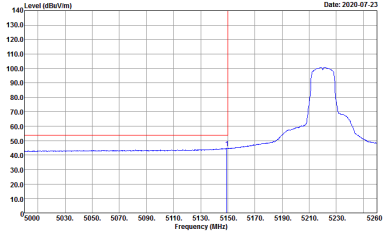


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

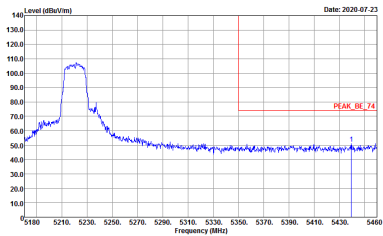
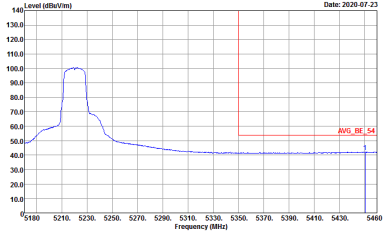


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank

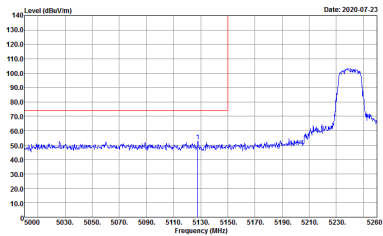
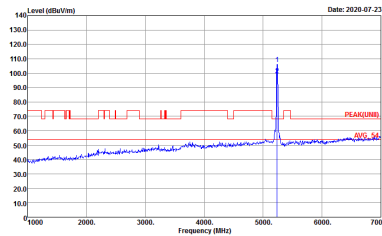
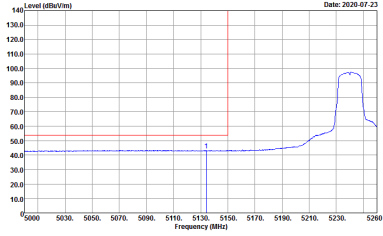


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

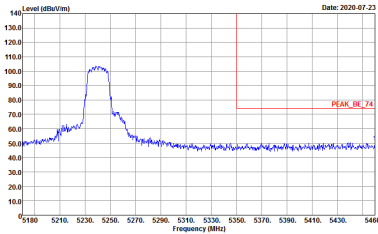
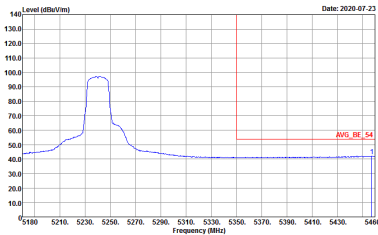


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<p>Left blank</p>

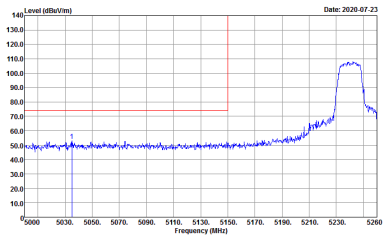
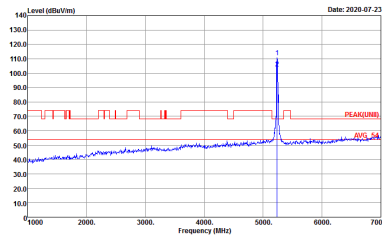
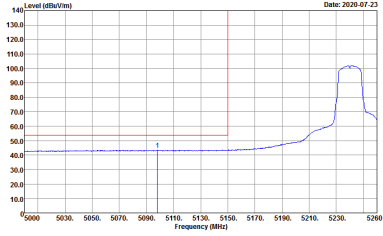


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



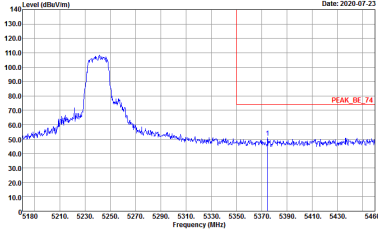
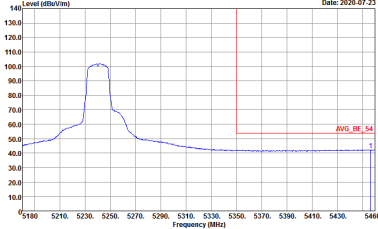
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

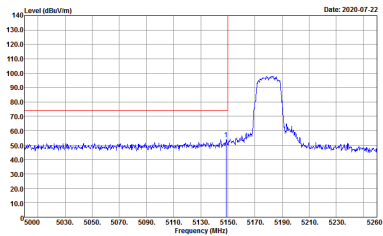
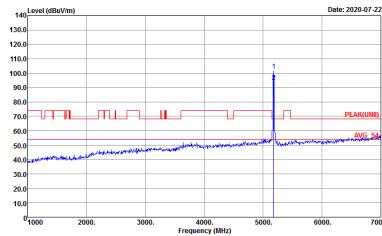
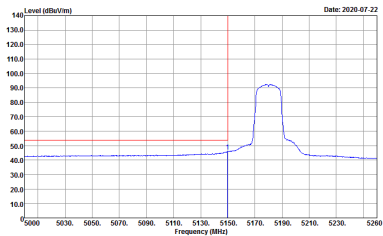




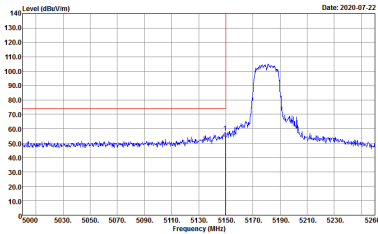
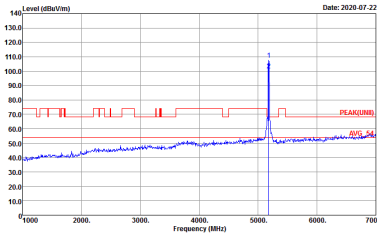
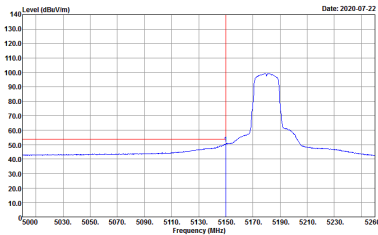
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



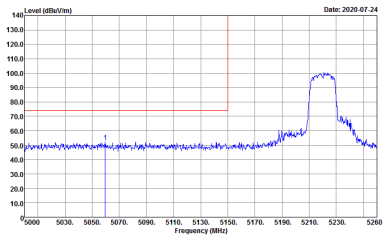
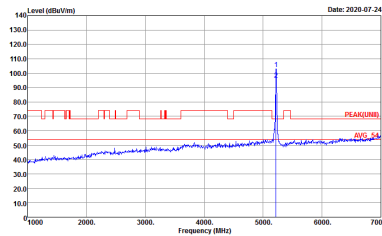
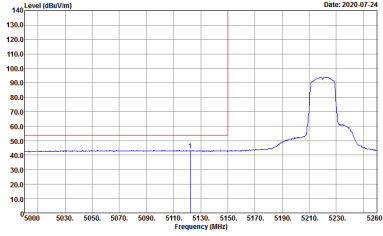
**Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank

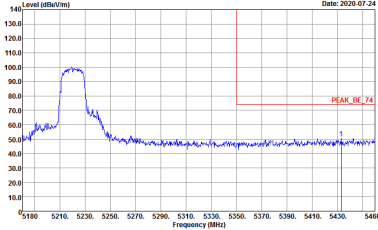
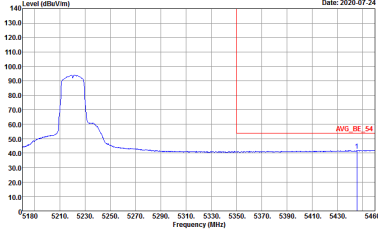


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

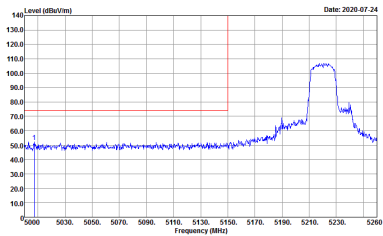
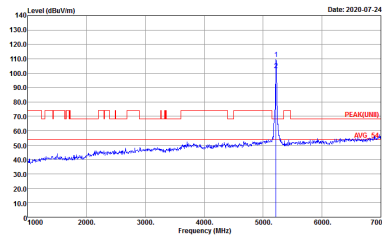
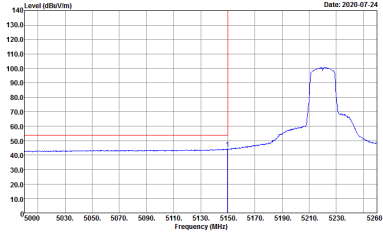


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

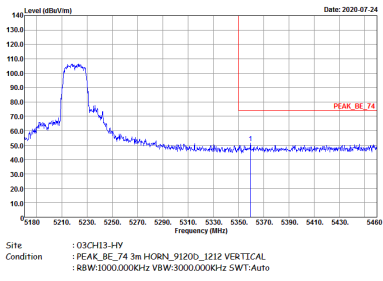
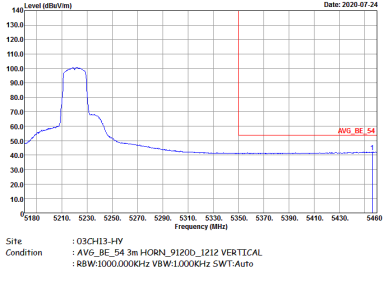


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:10000KHz SWT:Auto</p>	Left blank

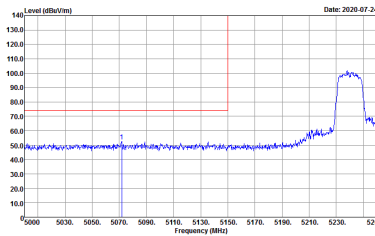
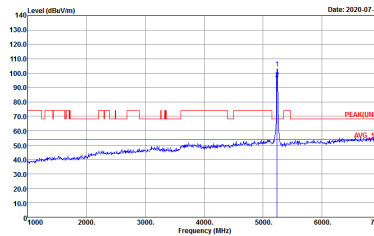
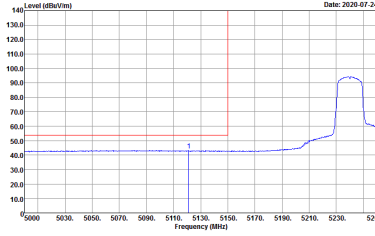


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:10000KHz SWT:Auto</p>	Left blank



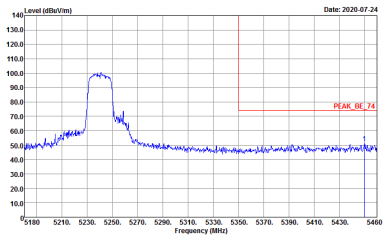
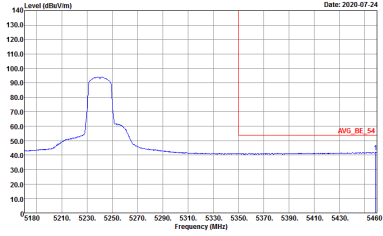
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



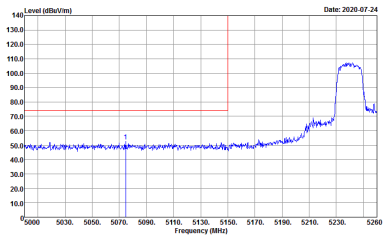
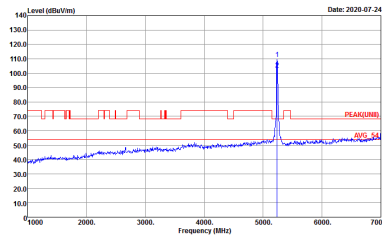
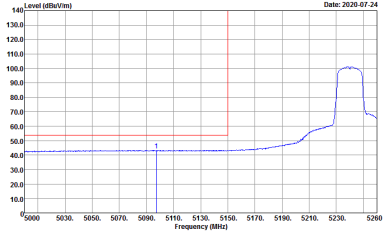
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



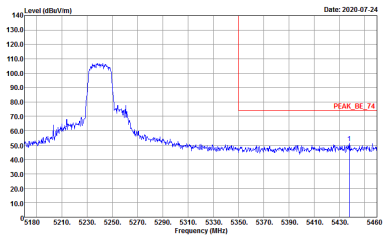
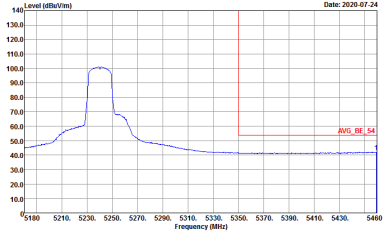


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

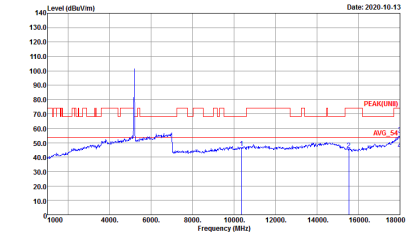
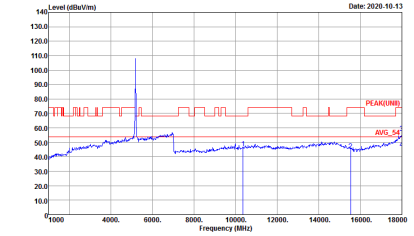


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



**Band 1 - 5150~5250MHz**

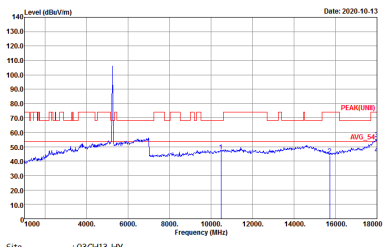
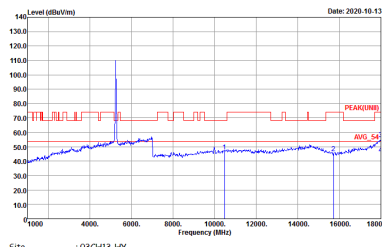
**WIFI 802.11a (Harmonic @ 3m)**

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE1) 3m HORN_9120D_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE1) 3m HORN_9120D_1212 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



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

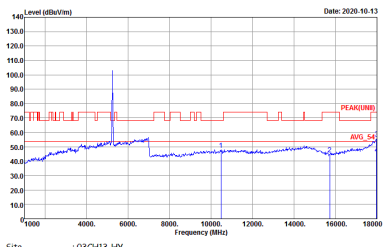
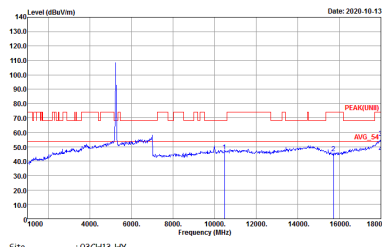
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
<p><b>Peak</b> <b>Avg.</b></p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL</p>

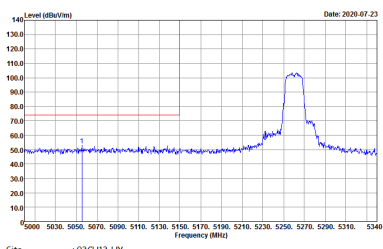
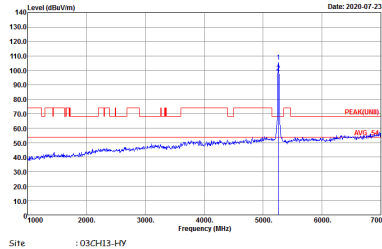
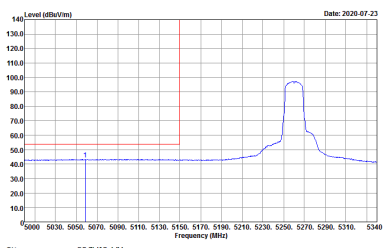




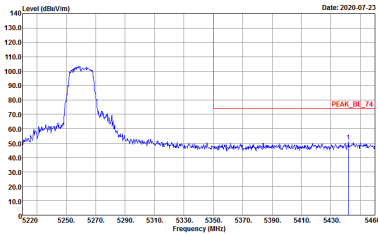
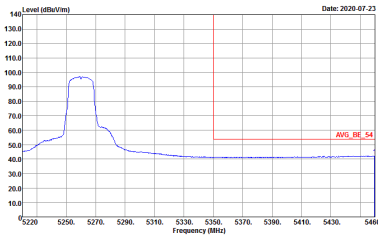
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



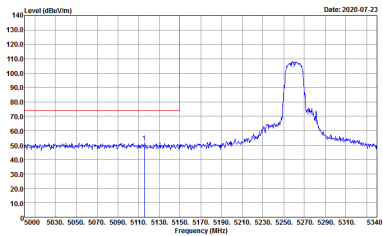
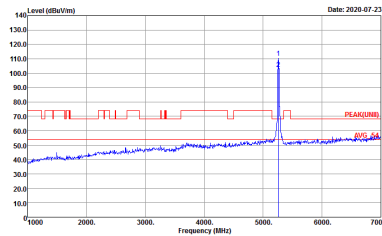
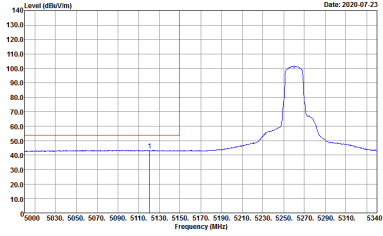
**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY            Condition : PEAK(FUN) 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<b>Left blank</b>

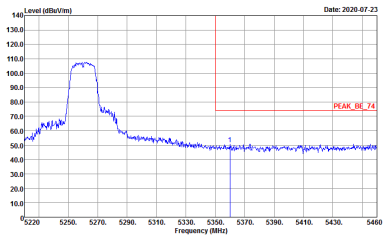
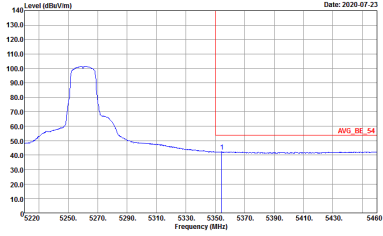


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	<p>Left blank</p>

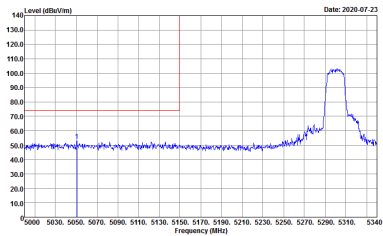
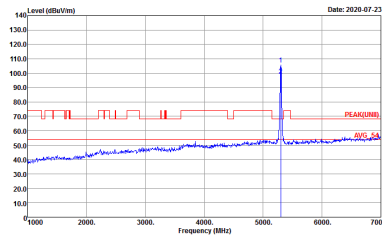
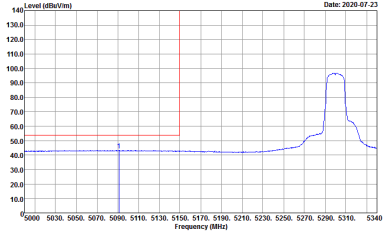


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank

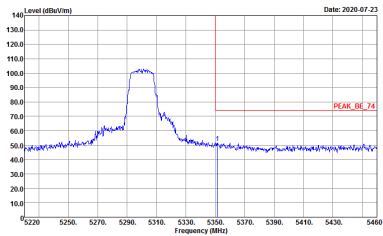
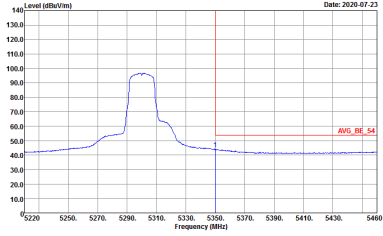


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

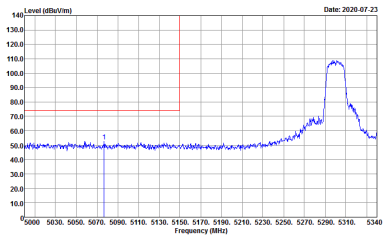
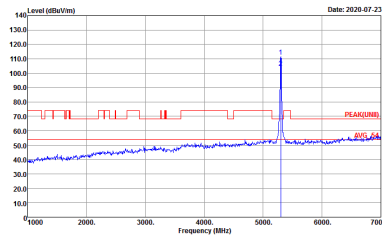
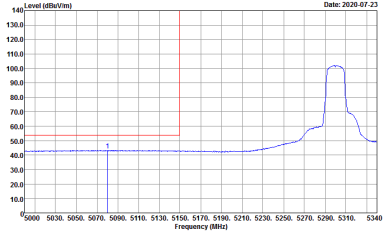


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



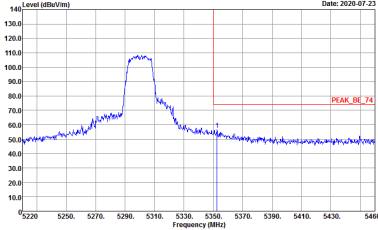
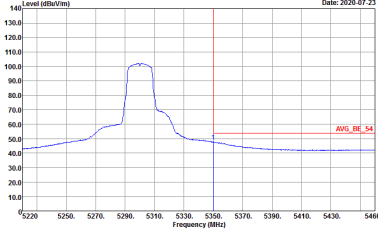
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank



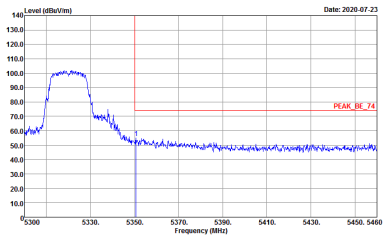
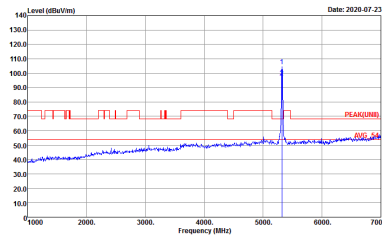
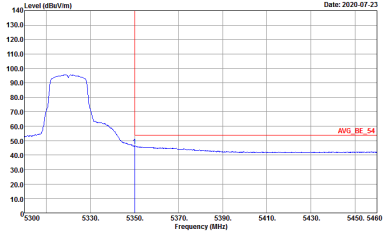
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



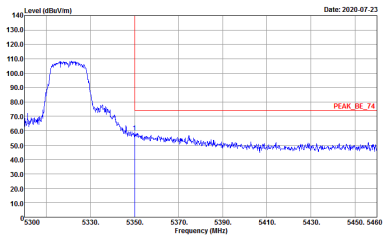
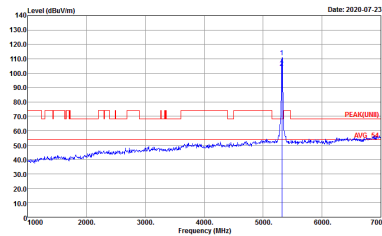
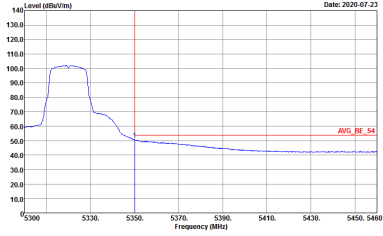


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank



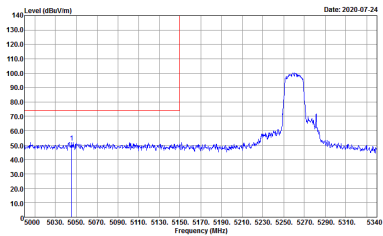
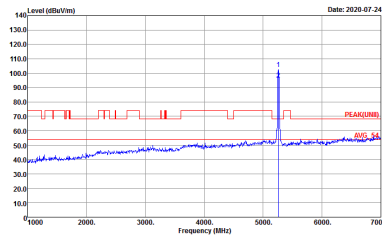
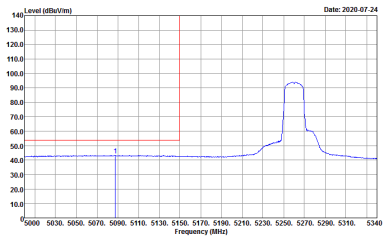
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



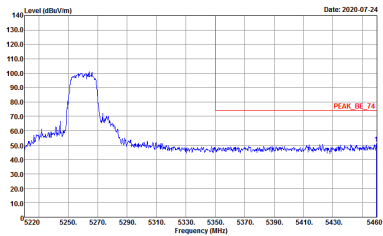
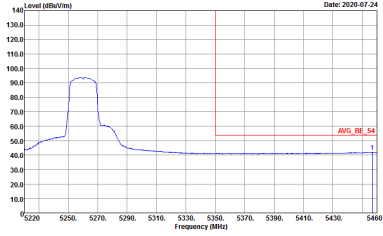
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



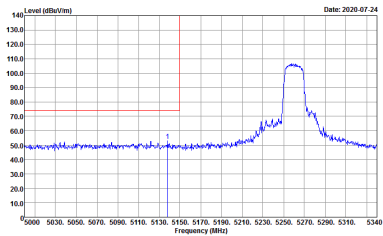
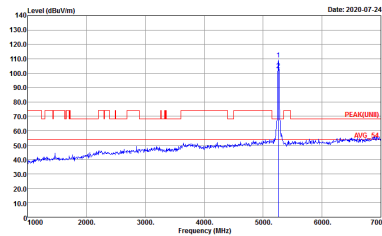
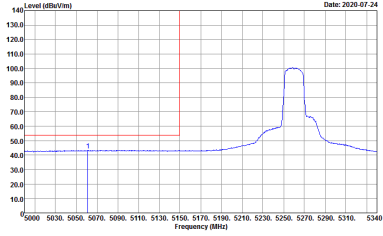
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
<p align="center"><b>Peak</b></p>	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<p align="center"><b>Avg.</b></p>	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p align="center"><b>Left blank</b></p>

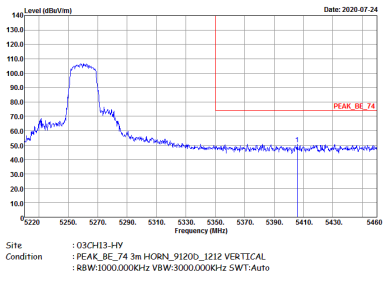
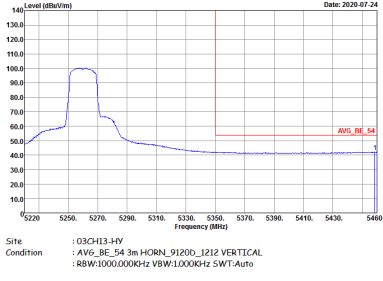


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank

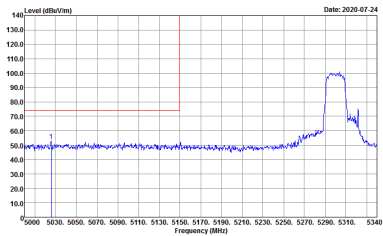
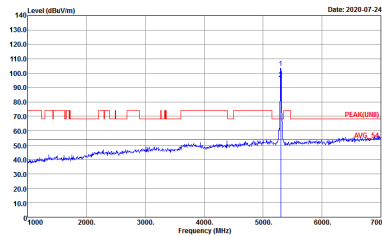
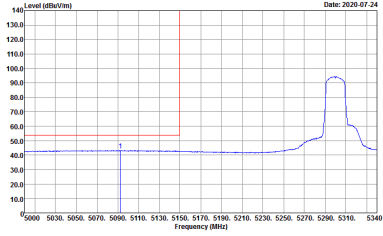


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank



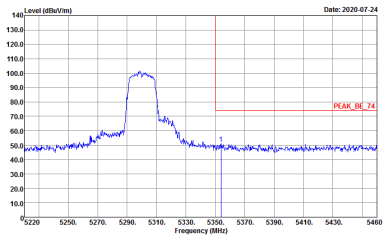
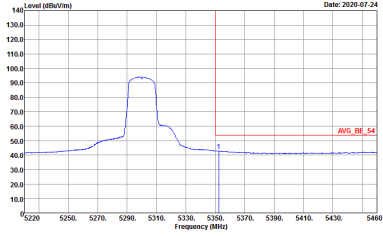
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



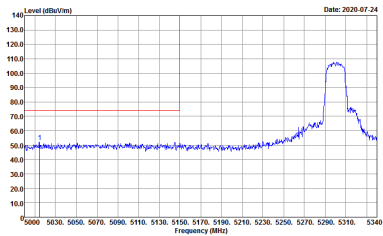
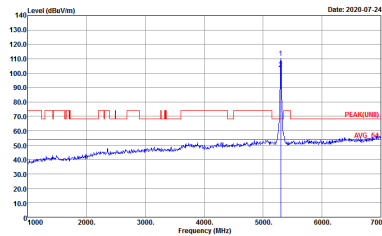
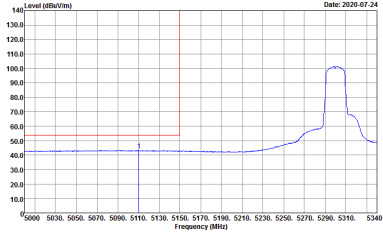
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



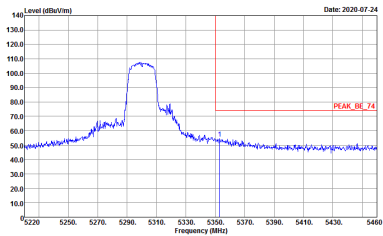
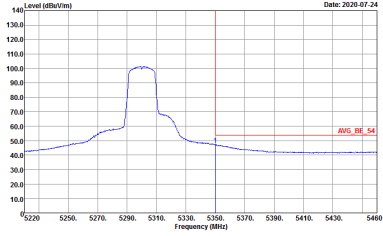


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank

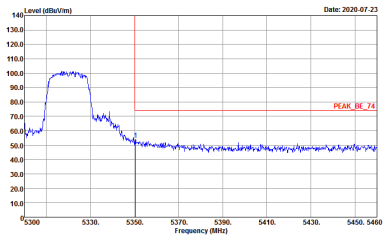
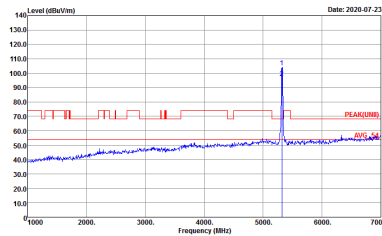
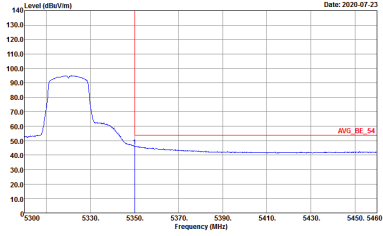


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

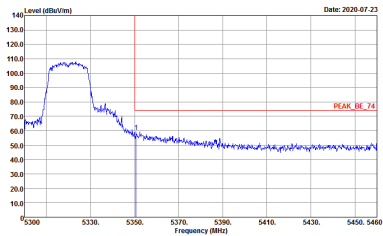
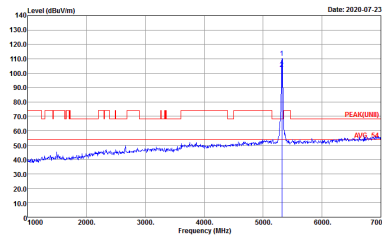
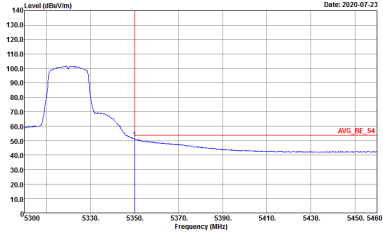


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 <p>Level (dBV/m) vs Frequency (MHz) plot for Peak Horizontal. The plot shows a signal between 5250 and 5350 MHz. A red vertical line is at 5320 MHz, and a red horizontal line indicates the peak level at approximately 74 dBV/m. The x-axis ranges from 5300 to 5460 MHz, and the y-axis ranges from 10.0 to 140.0 dBV/m.</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBV/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal between 1000 and 7000 MHz. A red vertical line is at 5320 MHz, and a red horizontal line indicates the peak level at approximately 74 dBV/m. The x-axis ranges from 0 to 7000 MHz, and the y-axis ranges from 10.0 to 140.0 dBV/m.</p> <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBV/m) vs Frequency (MHz) plot for Avg Horizontal. The plot shows a signal between 5250 and 5350 MHz. A red vertical line is at 5320 MHz, and a red horizontal line indicates the average level at approximately 54 dBV/m. The x-axis ranges from 5300 to 5460 MHz, and the y-axis ranges from 10.0 to 140.0 dBV/m.</p> <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

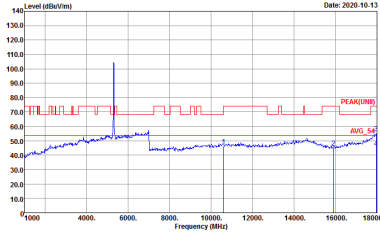
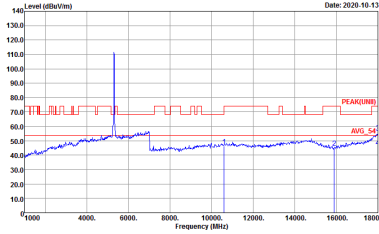


**Band 2 - 5250~5350MHz**

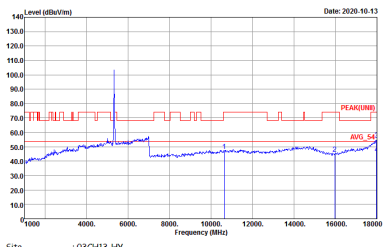
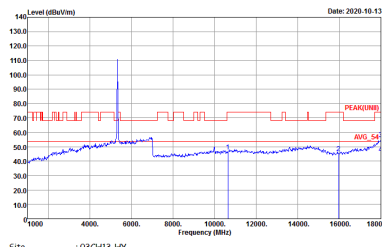
**WIFI 802.11a (Harmonic @ 3m)**

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>

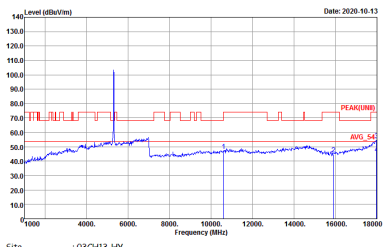
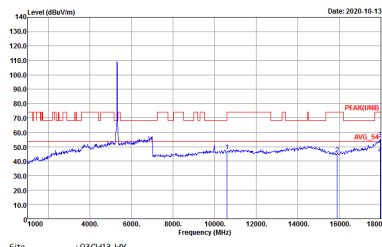




**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL</p>



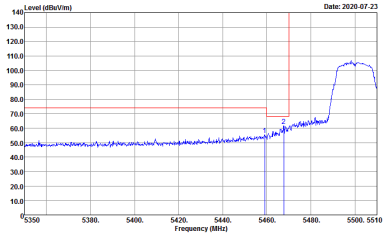
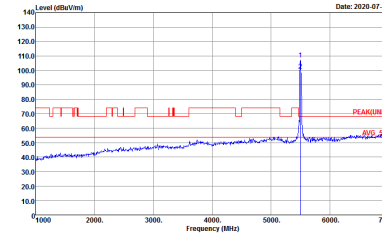
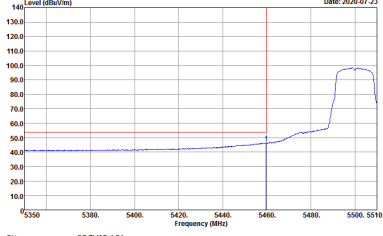
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



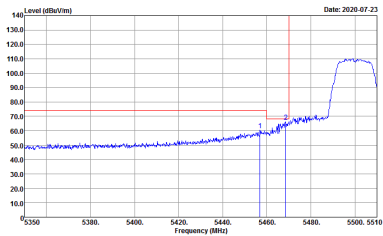
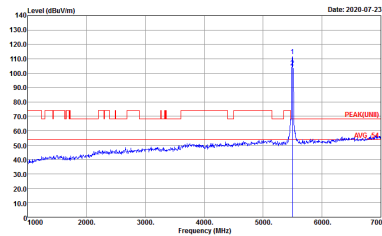
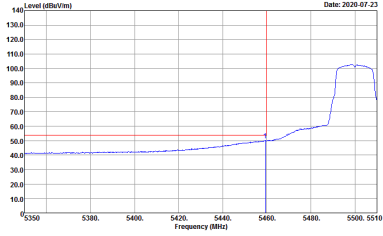
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH3-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH3-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



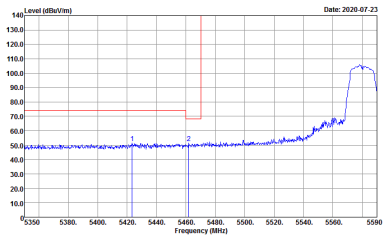
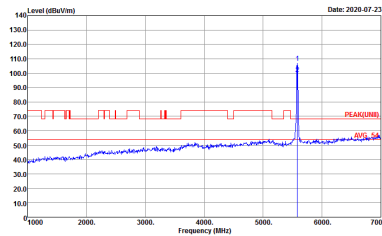
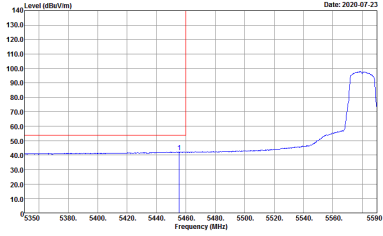
**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 5500 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5350 to 5510 MHz. A red vertical line marks the peak at 5500 MHz.</p> <p>Site : 03CH13-HY            Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 5500 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5500 MHz.</p> <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>
<b>Avg.</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5350 to 5510 MHz. A red vertical line marks the peak at 5500 MHz.</p> <p>Site : 03CH13-HY            Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:1000KHz SWF:Auto</p>	<b>Left blank</b>

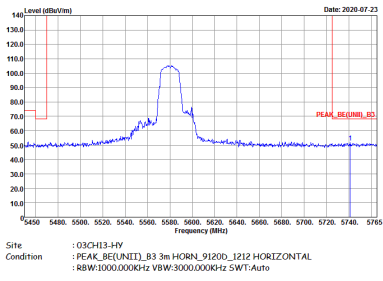


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 <p>Date: 2020-07-23</p> <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2020-07-23</p> <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2020-07-23</p> <p>Site : 03CH13-HY Condition : AV6_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

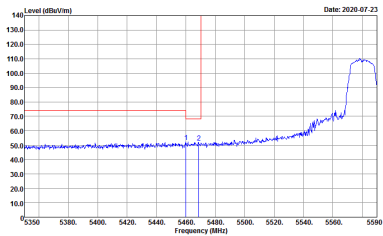
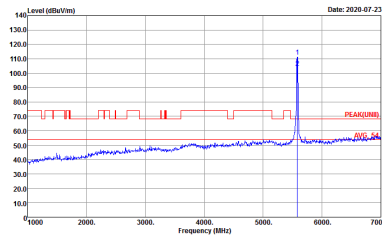
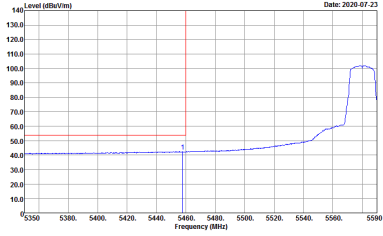


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:11000KHz SWT:Auto</p>	Left blank



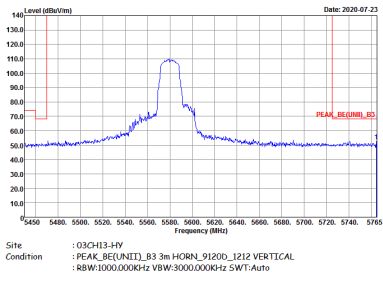
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 09CH13-HV Condition : PEAK_B3(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



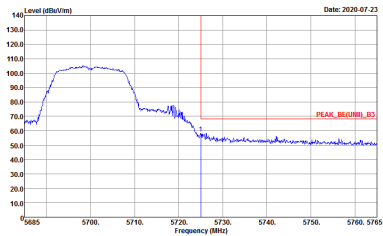
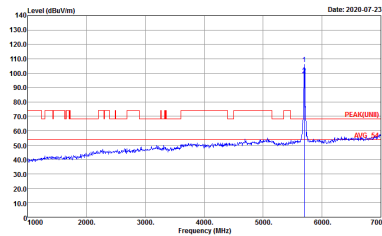
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:11000KHz SWT:Auto</p>	Left blank



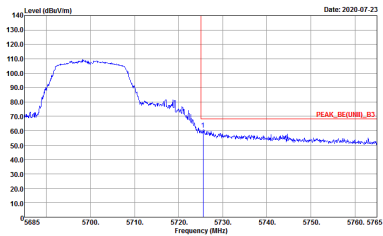
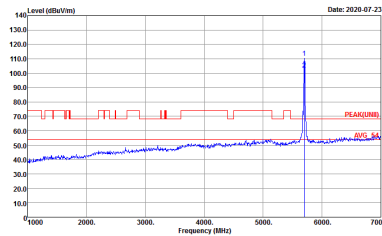


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY          Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY          Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



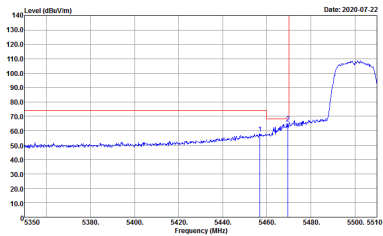
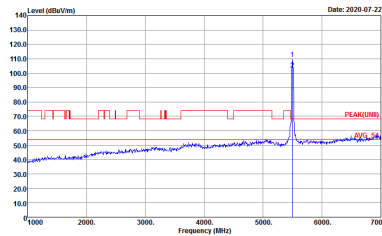
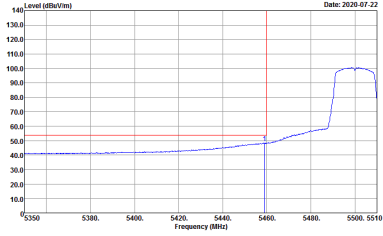
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY          Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY          Condition : PEAK(FUND) 3m HORN_91200_1212 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



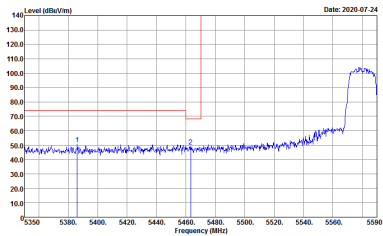
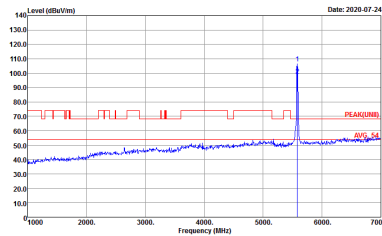
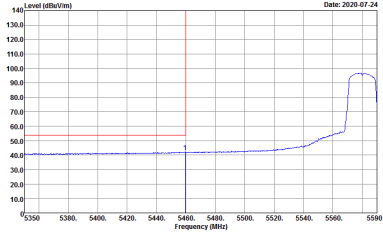
**Band 3 5470~5725MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	<p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<b>Left blank</b>

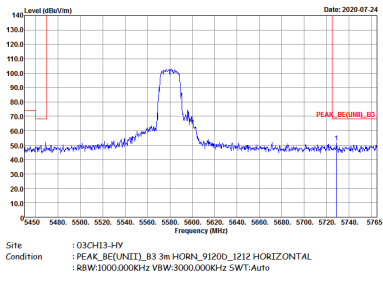


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

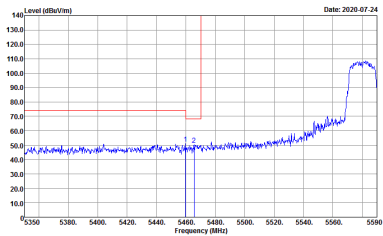
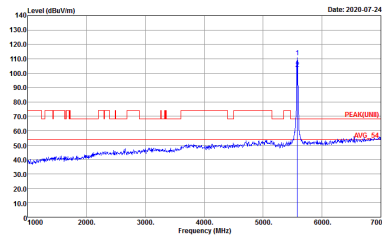
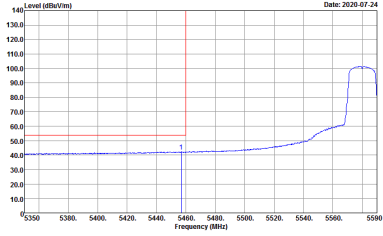


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



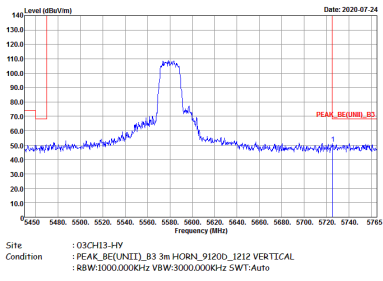
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:11000KHz SWT:Auto</p>	Left blank





WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HV Condition : PEAK_DB(UNIT)_B3 3m HORN_91200_1212 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE[UNIT]_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK[LINE] 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	<p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>



**Band 3 - 5470~5725MHz**

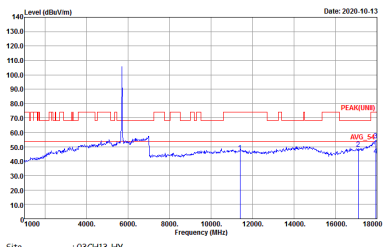
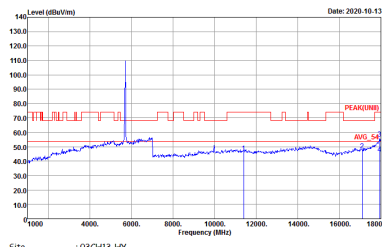
**WIFI 802.11a (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



**Band 3 5470~5725MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)**

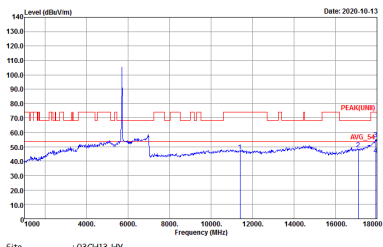
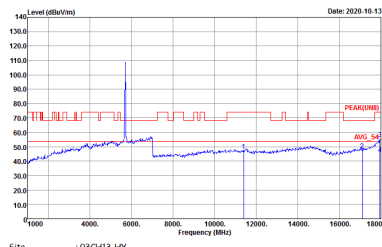
<b>WIFI</b>	<b>Band 3 5470~5725MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT20 CH100 5500MHz</b>	
<b>1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL</p>





WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



Emission above 18GHz  
5GHz WIFI 802.11a (SHF)

WIFI	5GHz WIFI	
ANT	802.11a SHF	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) In SHF HORN 88HA9170584 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) In SHF HORN 88HA9170584 VERTICAL</p>



Emission below 1GHz

5GHz WIFI 802.11a (LF)

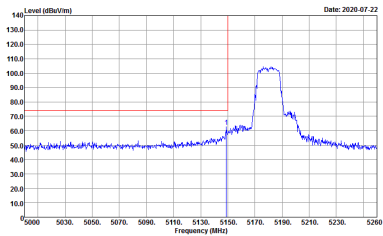
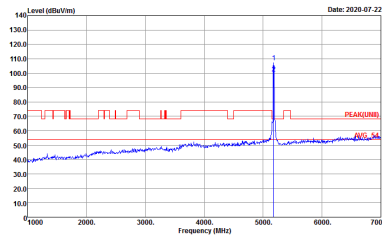
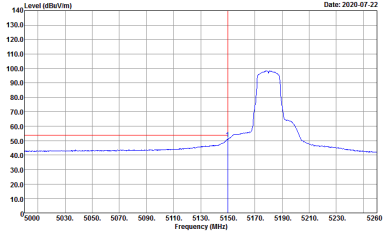
WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH13-HY Condition : QP 3m BIL06_40103 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : QP 3m BIL06_40103 VERTICAL</p>



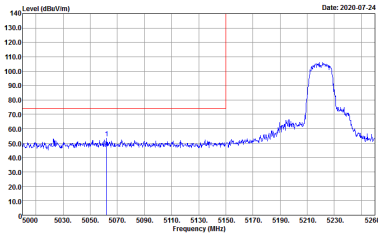
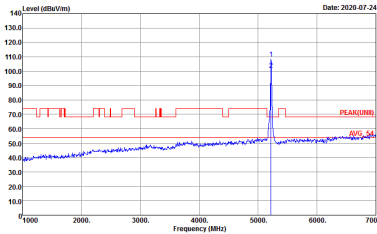
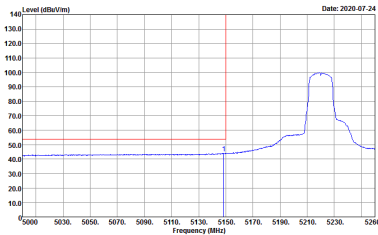
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Fundamental
<b>Peak</b>		
<b>Avg.</b>		<b>Left blank</b>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

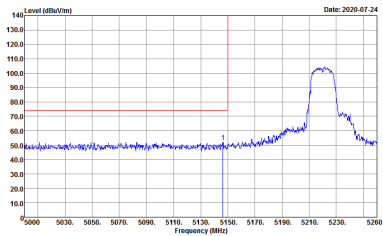
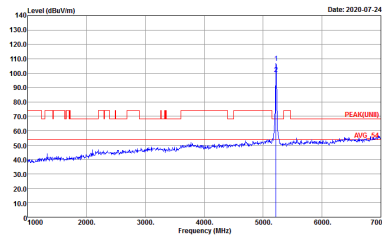
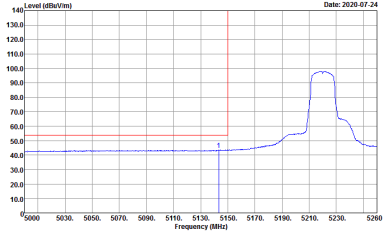


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Horizontal	Fundamental
Peak	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2020-07-24</p> <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



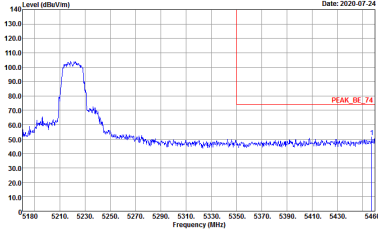
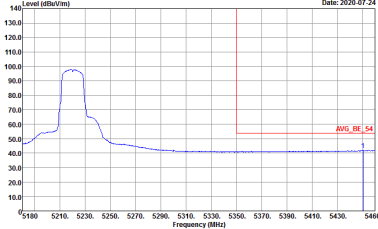
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



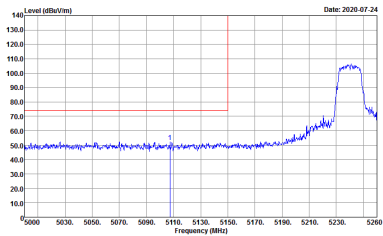
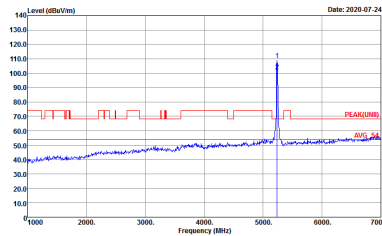
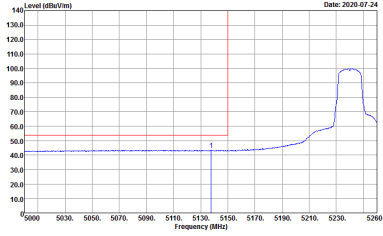
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



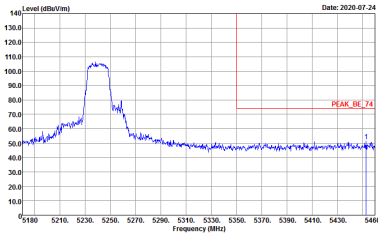
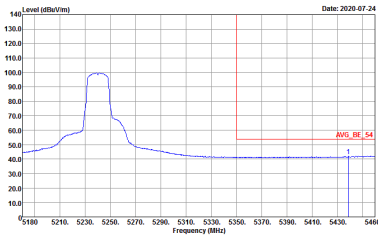


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

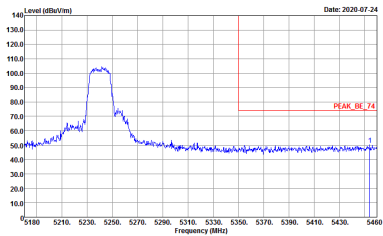
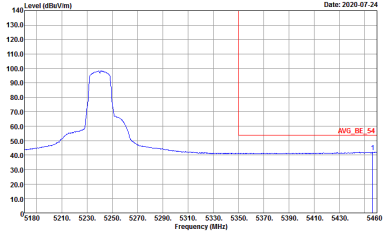


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank



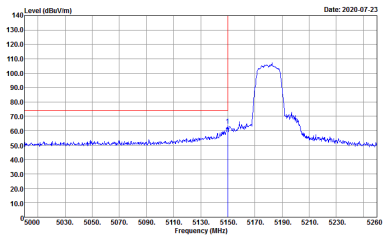
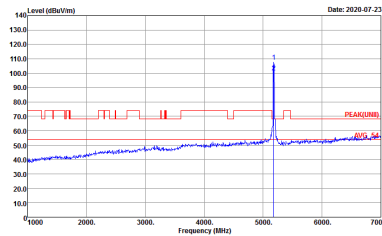
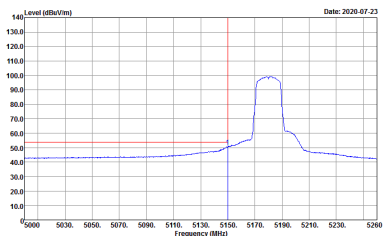
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



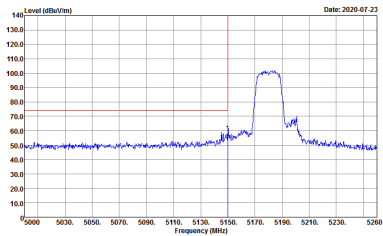
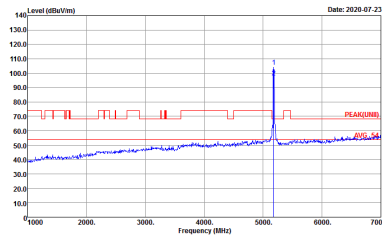
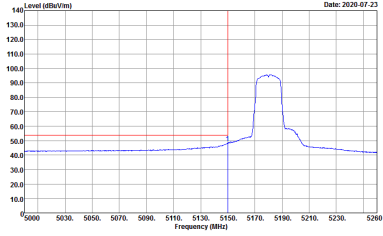
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	<p>Left blank</p>



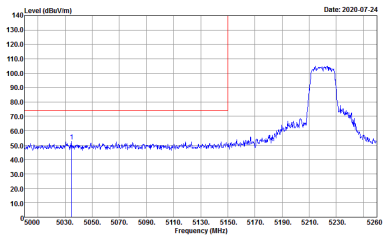
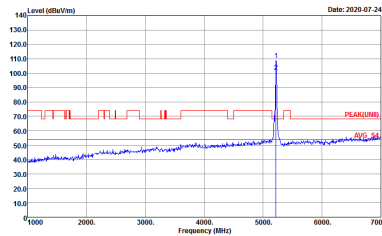
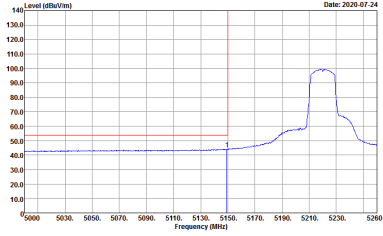
**Band 1 5150~5250MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Horizontal	Fundamental
Peak	 <p>Date: 2020-07-23</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2020-07-23</p> <p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Date: 2020-07-23</p> <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank



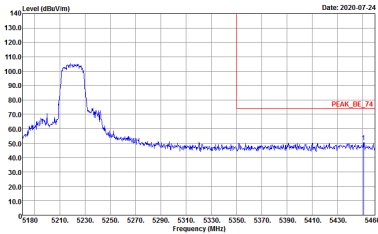
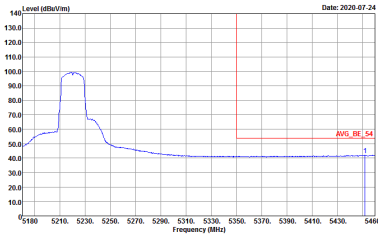
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



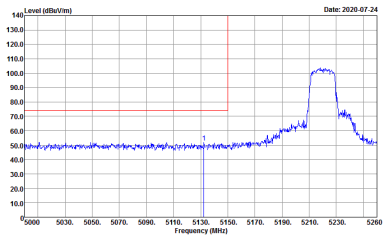
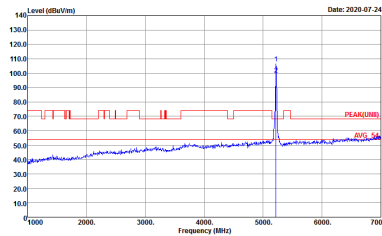
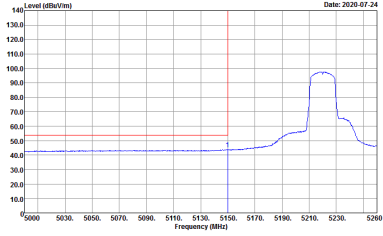
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



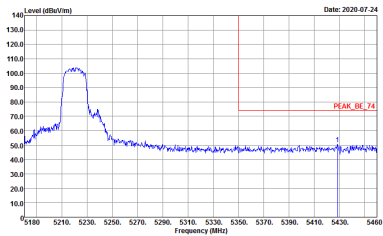
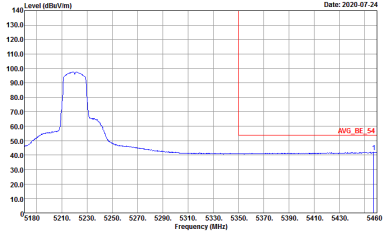


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
2	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	<p>Left blank</p>

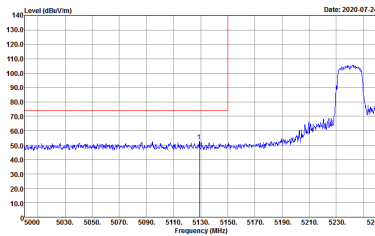
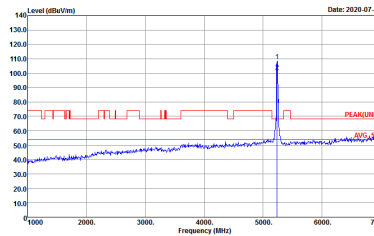
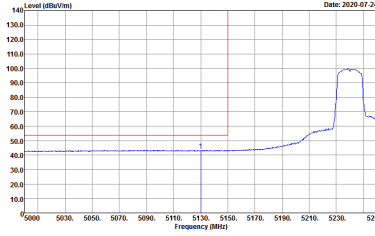


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

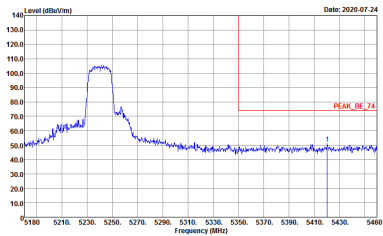
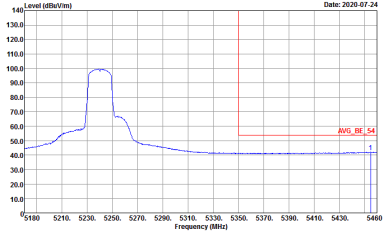


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank

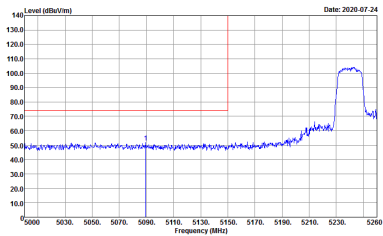
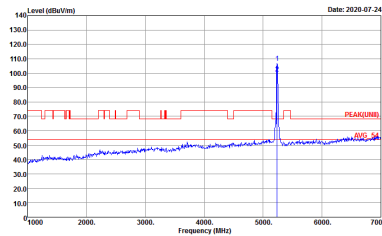
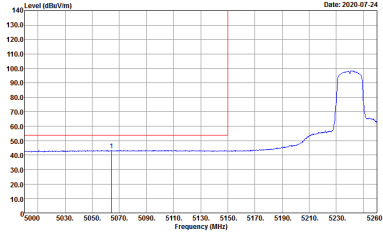


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

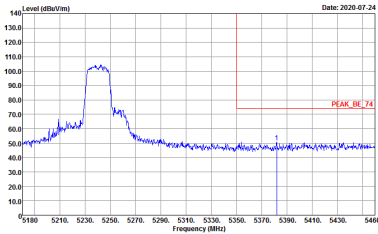
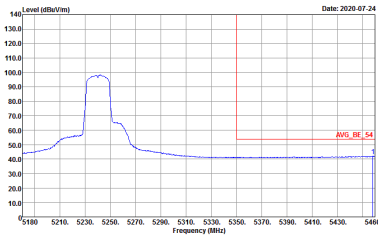


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

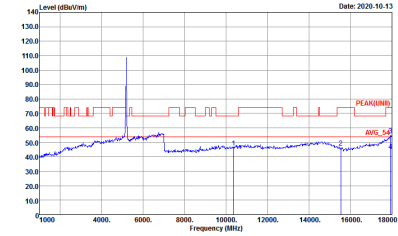
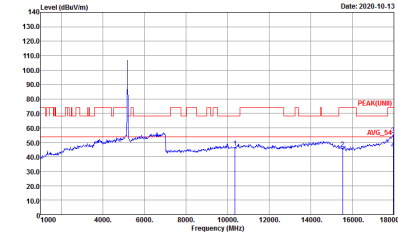


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank



Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE1) 3m HORN_9120D_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE1) 3m HORN_9120D_1212 VERTICAL</p>





WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(LINEI) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(LINEI) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
2	Horizontal	Vertical
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH3-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH3-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



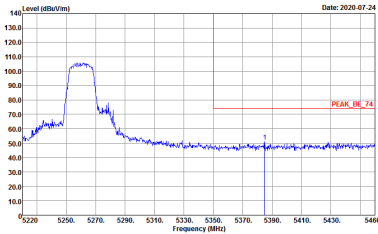
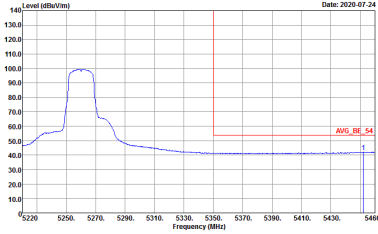
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL</p>



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(FUNDT) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<b>Left blank</b>



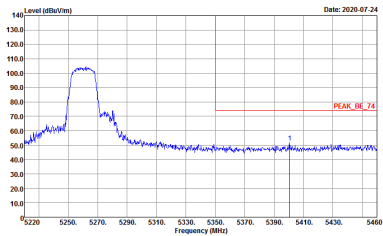
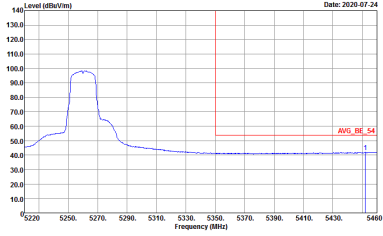
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank



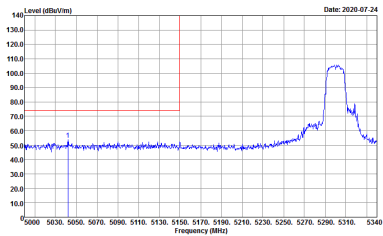
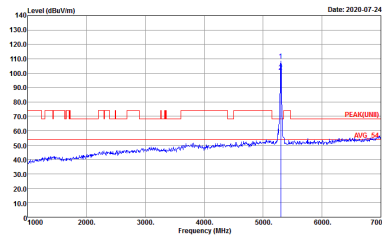
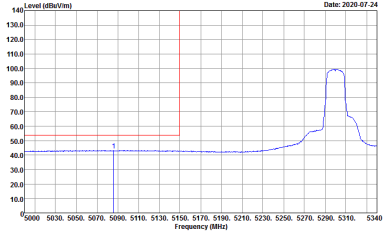
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:10000KHz SWT:Auto</p>	Left blank



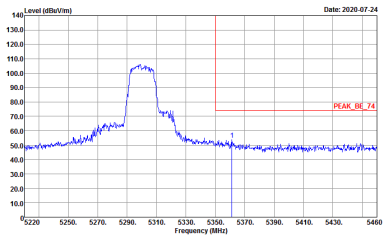
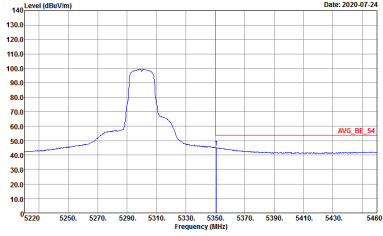


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

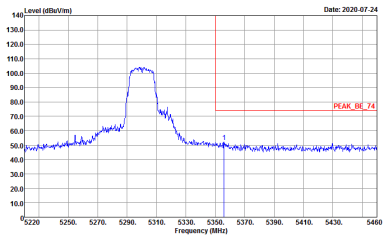
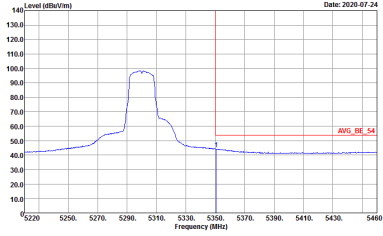


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank

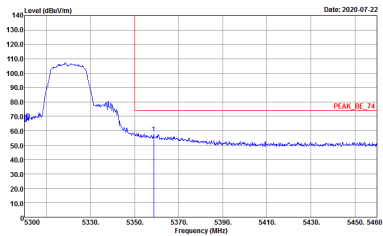
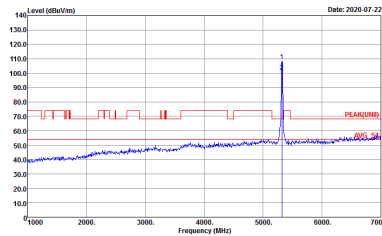
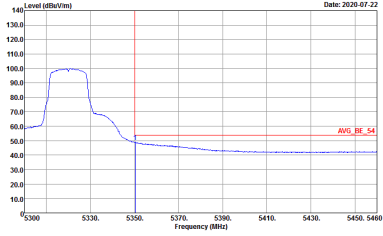


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
2	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	Left blank

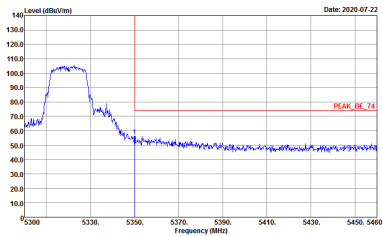
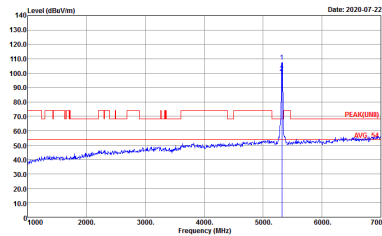
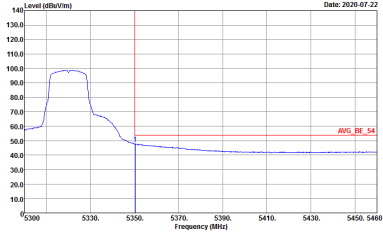


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto</p>	Left blank



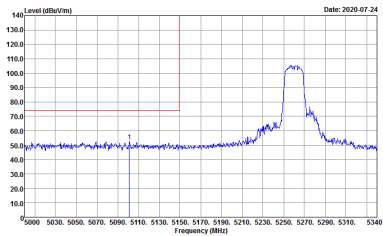
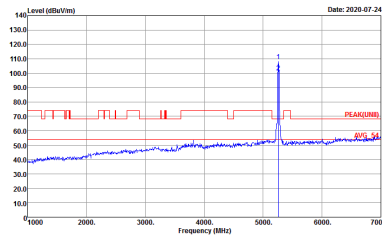
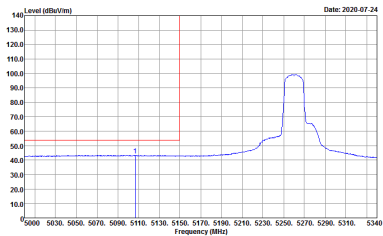
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

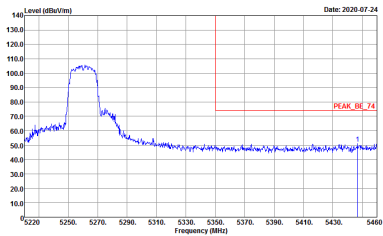
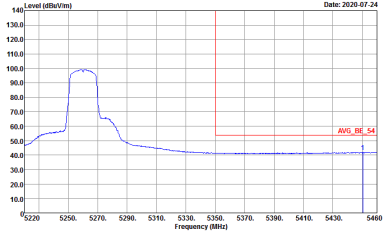


**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

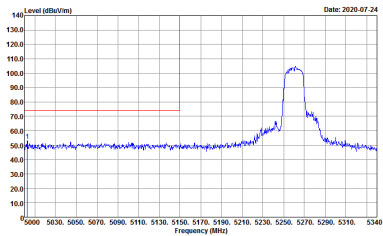
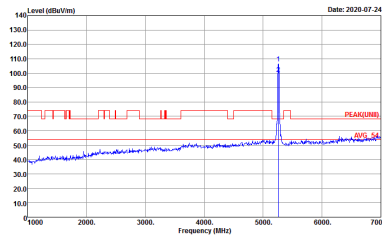
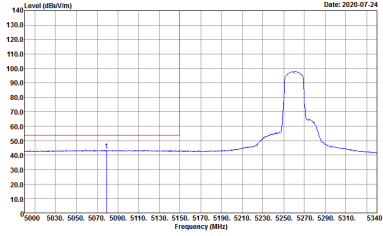
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
2	Horizontal	Fundamental
<p align="center"><b>Peak</b></p>	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<p align="center"><b>Avg.</b></p>	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:1.000KHz SWT:Auto</p>	<p align="center"><b>Left blank</b></p>



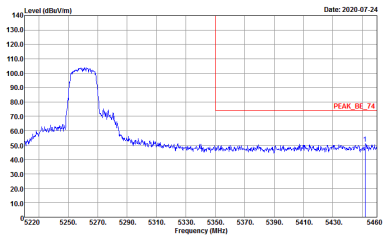
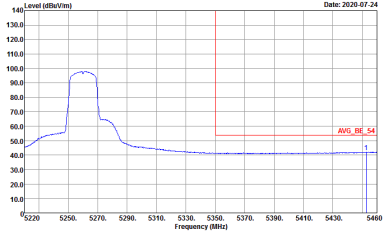


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
2	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	<p>Left blank</p>

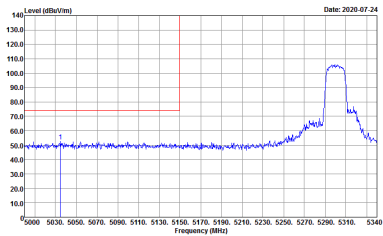
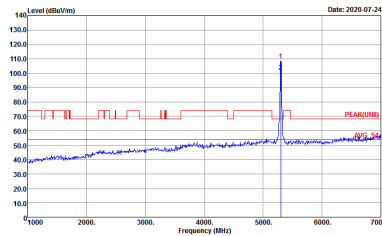
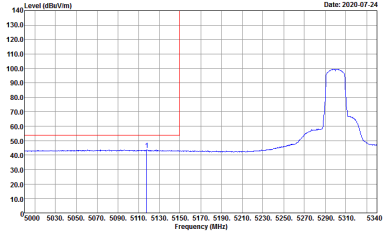


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

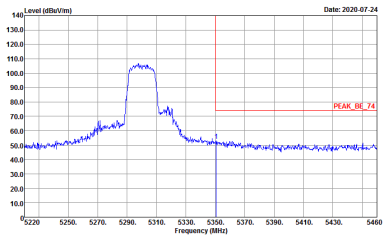
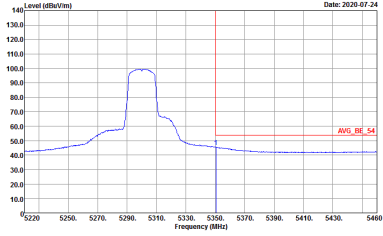


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

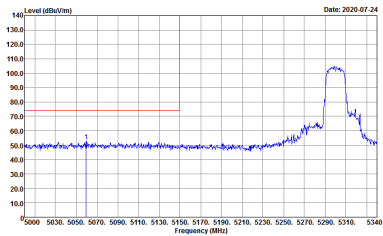
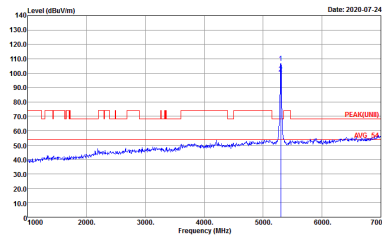
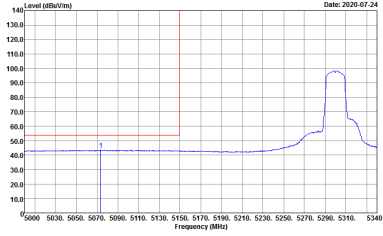


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

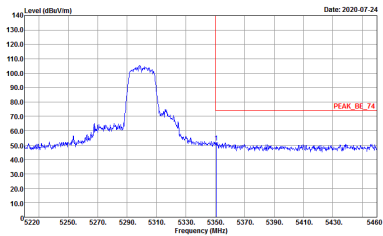
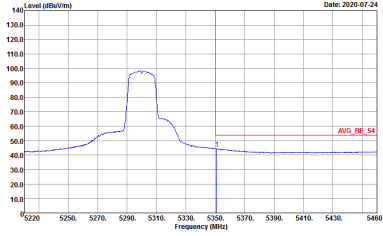


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
2	Horizontal	Vertical
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	<p>Left blank</p>

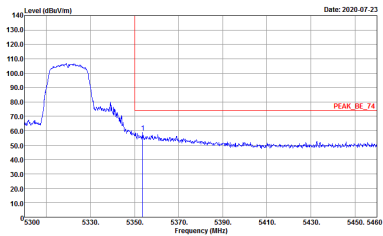
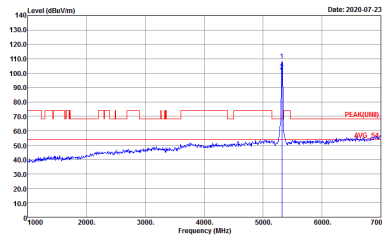
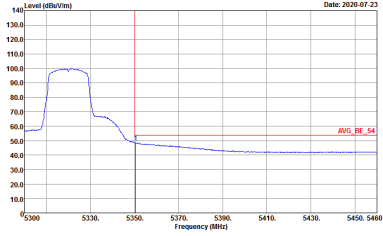


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:10000KHz SWT:Auto</p>	Left blank



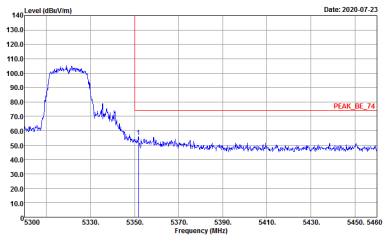
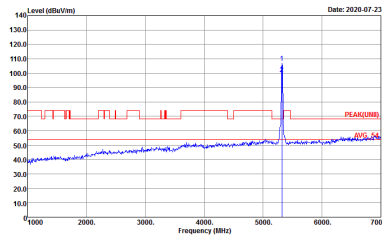
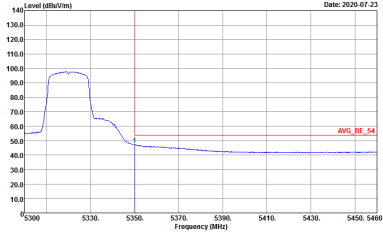
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000kHz VBW:10000kHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Horizontal	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Horizontal. The plot shows a signal level starting at approximately 100 dBuV/m at 5300 MHz, dropping to about 60 dBuV/m by 5350 MHz, and then remaining relatively flat. A red vertical line is at 5320 MHz, and a red horizontal line labeled 'PEAK_BE_74' is at approximately 75 dBuV/m.</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal level starting at approximately 70 dBuV/m at 1000 MHz, dropping to about 50 dBuV/m by 2000 MHz, and then remaining flat. A red vertical line is at 5320 MHz, and a red horizontal line labeled 'PEAK(LINE)' is at approximately 75 dBuV/m.</p> <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Avg Horizontal. The plot shows a signal level starting at approximately 100 dBuV/m at 5300 MHz, dropping to about 60 dBuV/m by 5350 MHz, and then remaining flat. A red vertical line is at 5320 MHz, and a red horizontal line labeled 'AVG_BE_54' is at approximately 55 dBuV/m.</p> <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



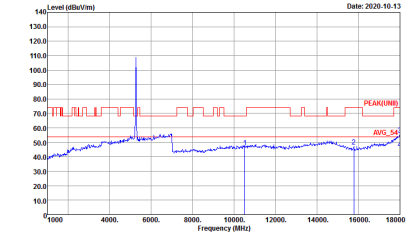
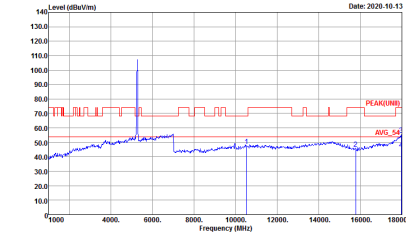


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE_54 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank



**Band 2 - 5250~5350MHz**

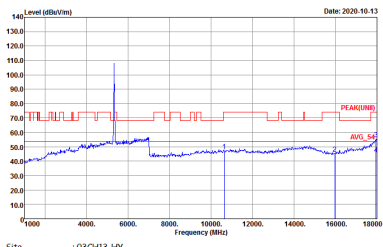
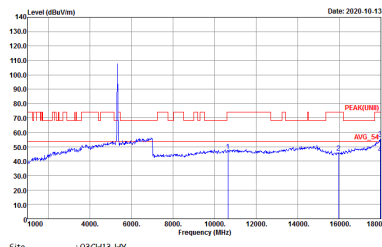
**WIFI 802.11a (Harmonic @ 3m)**

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
2	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE1) 3m HORN_91200_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE1) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINEI) 3m HORN_91200_1212 HORIZONTAL</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINEI) 3m HORN_91200_1212 VERTICAL</p>



**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 2 5250~5350MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT20 CH52 5260MHz</b>	
<b>2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH13-HY          Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY          Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL</p>



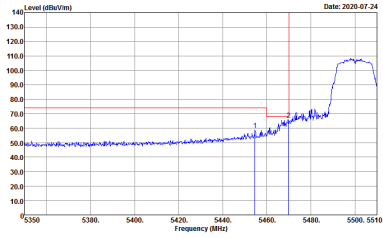
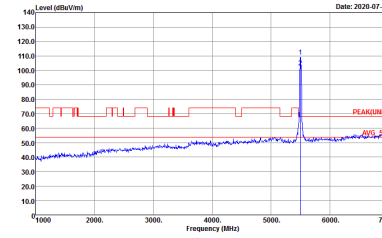
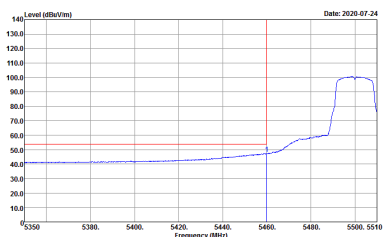
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 HORIZONTAL</p>	<p>Site : 03CH13-HY Condition : PEAK(UNEI) 3m HORN_91200_1212 VERTICAL</p>

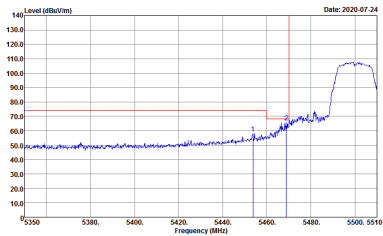
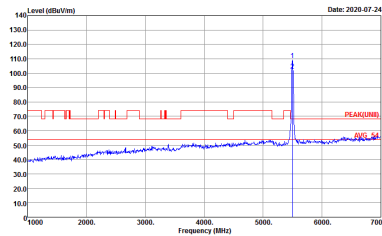
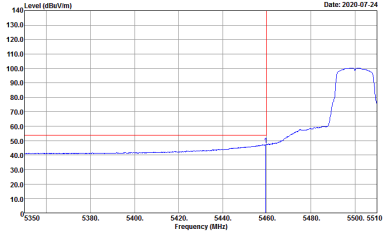


**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

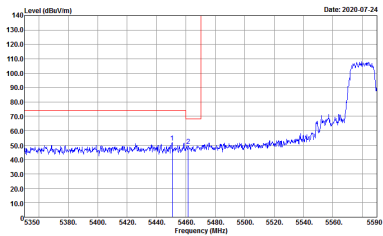
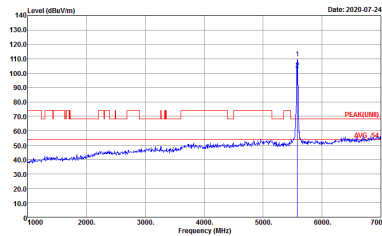
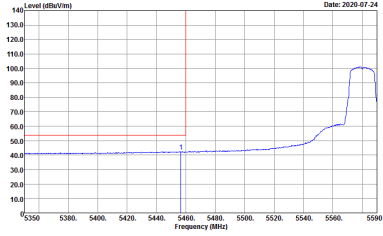
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Fundamental
<b>Peak</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Horizontal. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5350 to 5510 MHz. A red vertical line is at 5470 MHz. The plot shows a blue line representing the spectrum and a red line representing the peak level. The peak level is approximately 110 dBuV/m at 5470 MHz.</p> <p>Site : 03CH13-HY            Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Peak Fundamental. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line is at 5470 MHz. The plot shows a blue line representing the spectrum and a red line representing the peak level. The peak level is approximately 110 dBuV/m at 5470 MHz.</p> <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	 <p>Level (dBuV/m) vs Frequency (MHz) plot for Avg Horizontal. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5350 to 5510 MHz. A red vertical line is at 5470 MHz. The plot shows a blue line representing the average spectrum and a red line representing the average level. The average level is approximately 50 dBuV/m at 5470 MHz.</p> <p>Site : 03CH13-HY            Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL            : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	<b>Left blank</b>





WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto</p>	Left blank

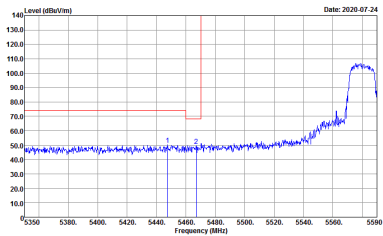
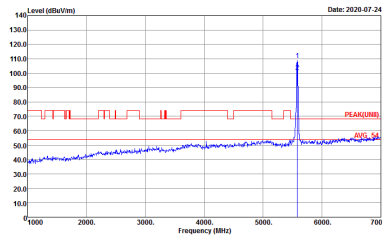
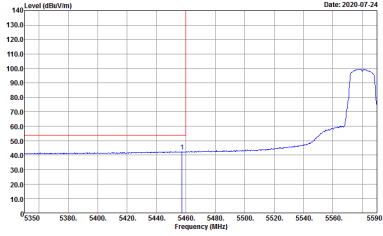


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:11000KHz SWT:Auto</p>	Left blank

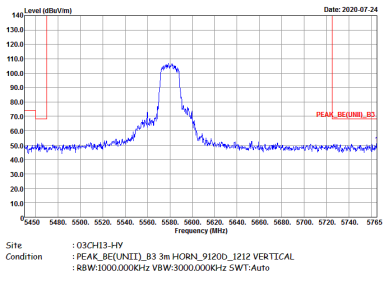


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HV Condition : PEAK_DE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank

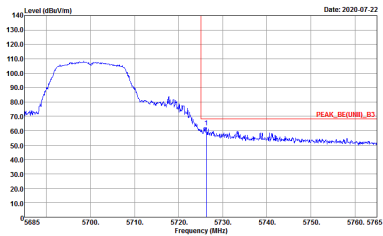
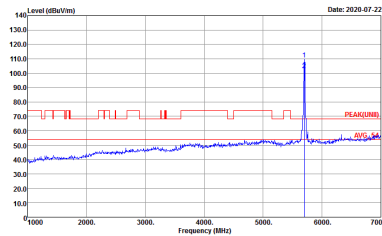


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AV6_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:11000KHz SWT:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Horizontal	Fundamental
Peak	 <p>Date: 2020-07-22</p> <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2020-07-22</p> <p>Site : 03CH13-HY Condition : PEAK(FUND) 3m HORN_91200_1212 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>