



# FCC RADIO TEST REPORT

**FCC ID** : HD5-CT30PL1N  
**Equipment** : Mobile computer  
**Brand Name** : Honeywell  
**Model Name** : CT30PL1N  
**Applicant** : Honeywell International Inc.  
9680 Old Bailes Road, Fort Mill, SC  
29707 USA  
**Manufacturer** : Honeywell International Inc.  
9680 Old Bailes Road, Fort Mill, SC  
29707 USA  
**Standard** : FCC Part 15 Subpart E §15.407

The product was received on Feb. 14, 2022 and testing was performed from Feb. 22, 2022 to Mar. 31, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

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



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## Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	2.03 dB under the limit at 5470.000 MHz
3.5	15.207	AC Conducted Emission	Pass	15.88 dB under the limit at 0.692 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-

**Declaration of Conformity:**

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

**Comments and Explanations:**

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

**Reviewed by: Wei Chen****Report Producer: Vivian Hsu**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, NFC, and GNSS.

Product Feature	
HW Version	v1.0
SW Version	OS.11.003-HON.11.003
Sample	Scanner S0703
Antenna Type	WWAN <Ant. 1>: Loop Antenna <Ant. 2>: PIFA Antenna <Ant. 3>: Monopole Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: Loop Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	2.1
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	1.5
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	1.4

**Remark:**

1. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.
2. Internal tracking board version is DVT1 and SW PN is 311.C0.00.0838-G-DEBUG.

## 1.2 Modification of EUT

No modifications made to the EUT during the testing.



### 1.3 Testing Location

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

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

<b>Test Site</b>	Sporton International Inc. Wensan Laboratory
<b>Test Site Location</b>	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
<b>Test Site No.</b>	<b>Sporton Site No.</b> TH05-HY, 03CH13-HY

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

FCC designation No.: TW1190 and TW3786

### 1.4 Applicable Standards

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

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

**Remark:**

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.



## 2 Test Configuration of Equipment Under Test

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

### 2.1 Carrier Frequency and Channel

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

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

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



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

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

**Note:**

1. The above Frequency and Channel with "\*" are 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel with "<sup>#</sup>" are 802.11ac VHT80.

## 2.2 Test Mode

The final test modes consider the modulation and the worst data rates as shown in the table below.

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN Link + USB Cable (Charging from AC Adapter)





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

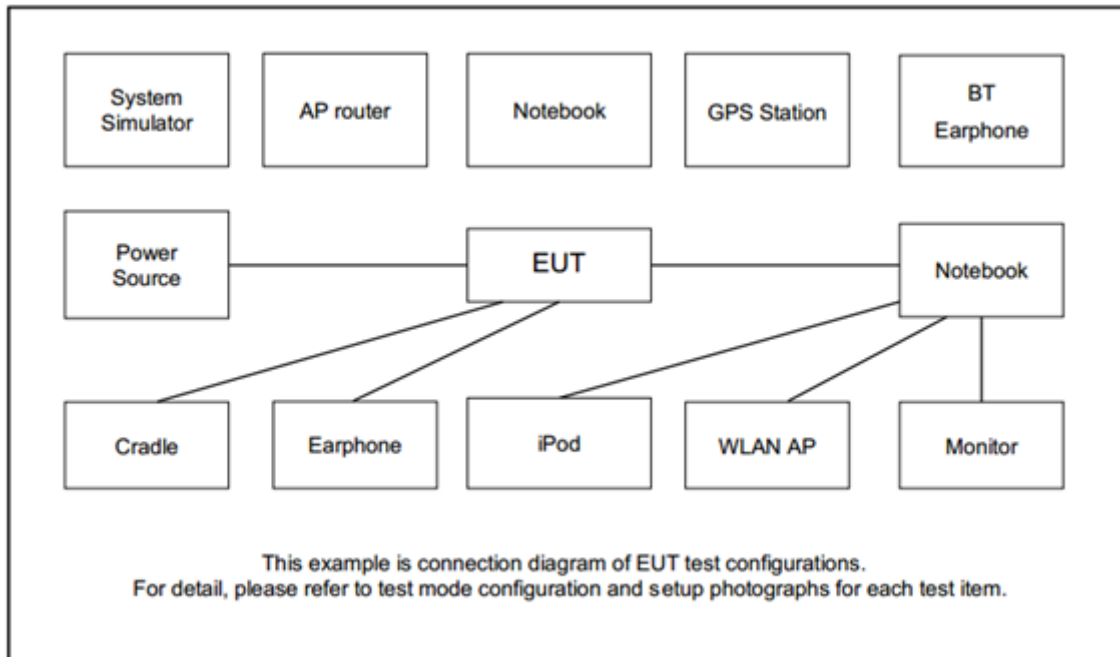
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

### 2.3 Connection Diagram of Test System



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

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	Acer	N18Q13	PD9AX201NG	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	USB Cable	N/A	N/A	N/A	N/A	N/A



## 2.5 EUT Operation Test Setup

The RF test items, utility “QRCT 4.0.00193.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

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

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

### 3 Test Result

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

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

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

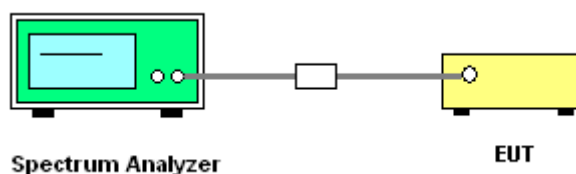
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

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

##### 3.1.4 Test Setup

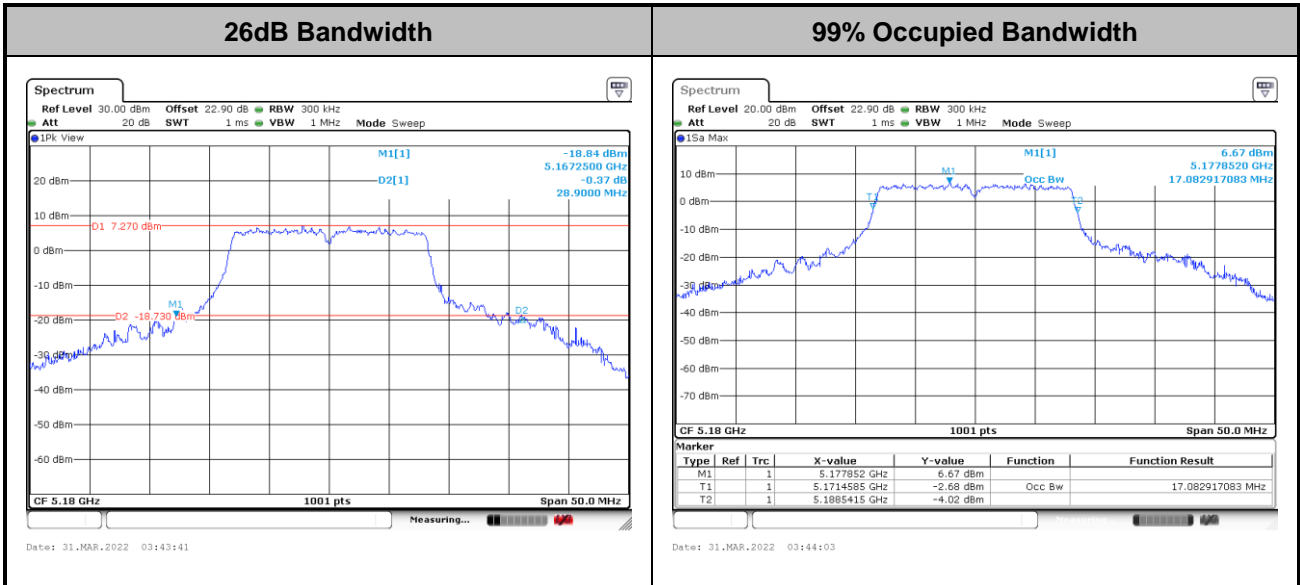


##### 3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

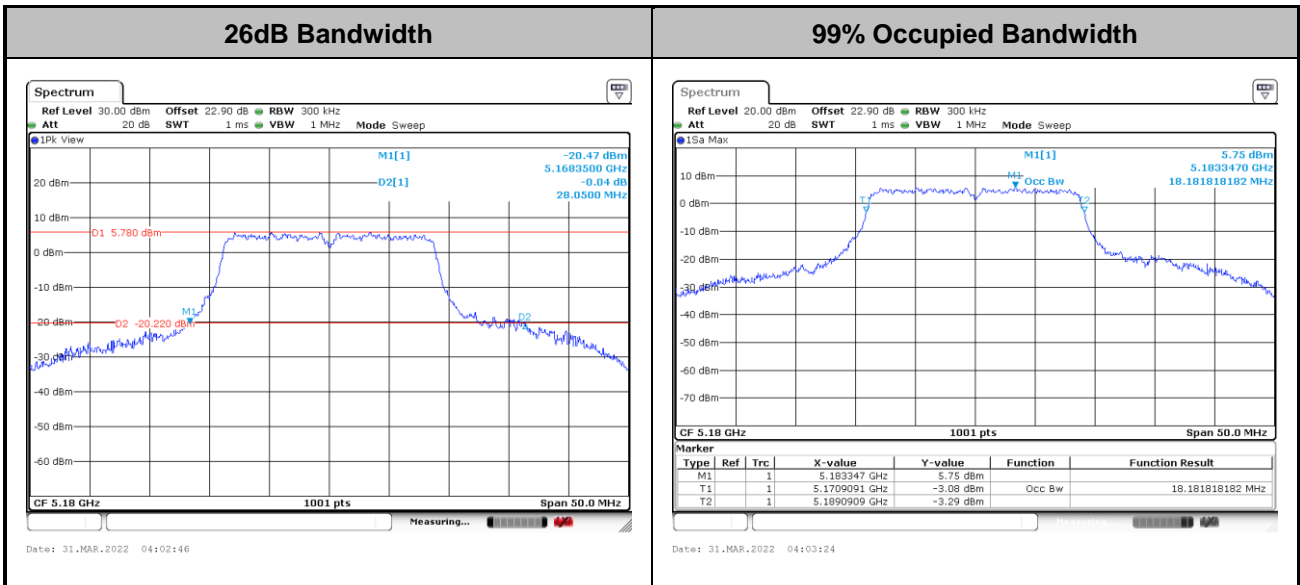


<802.11a>



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

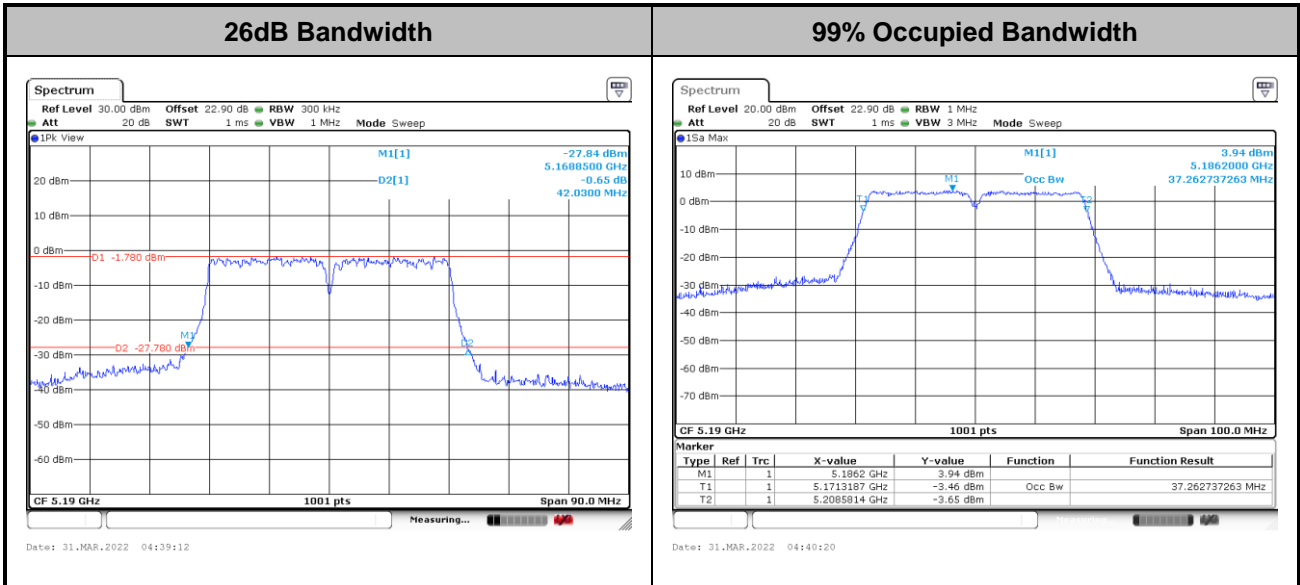
<802.11n HT20>



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

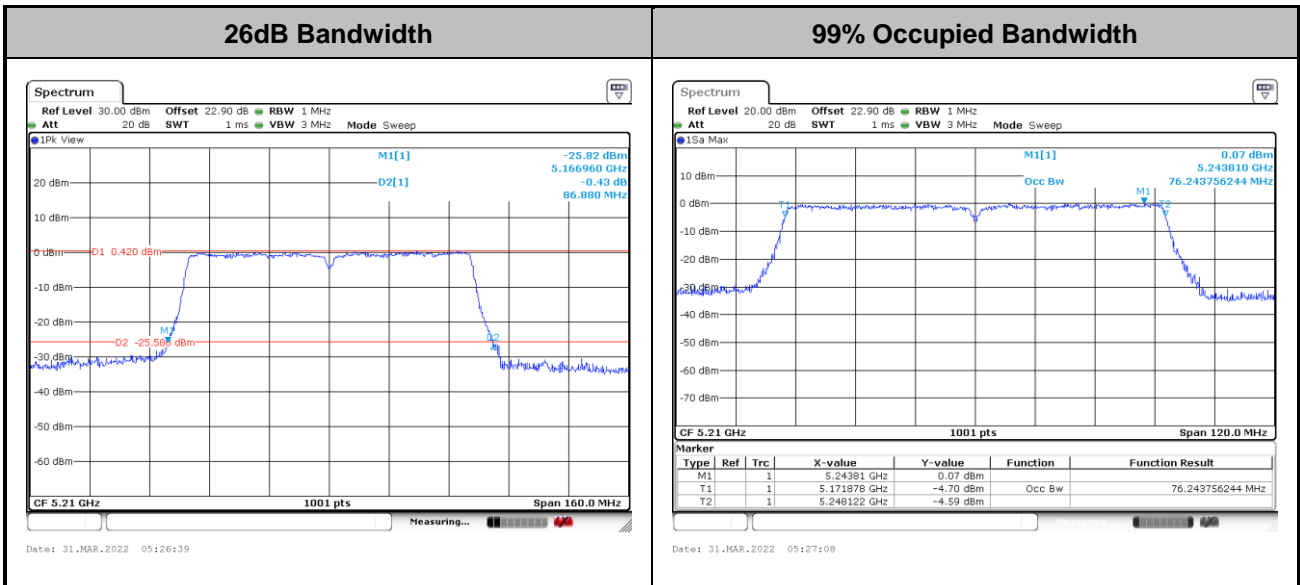


<802.11n HT40>



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

<802.11ac VHT80>



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



## 3.2 Maximum Conducted Output Power Measurement

### 3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

**For the 5.15–5.25 GHz bands:**

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

**For the 5.25–5.725 GHz bands:**

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

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

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

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

### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

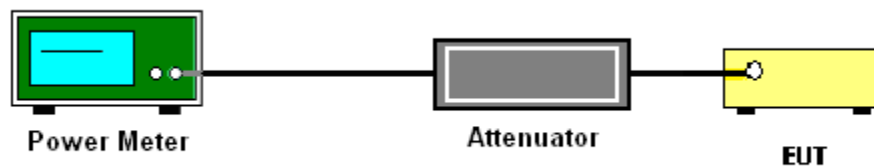
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.





### 3.3 Power Spectral Density Measurement

#### 3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

**For the 5.15–5.25 GHz bands:**

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

**For the 5.25–5.725 GHz bands:**

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

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

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

#### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

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

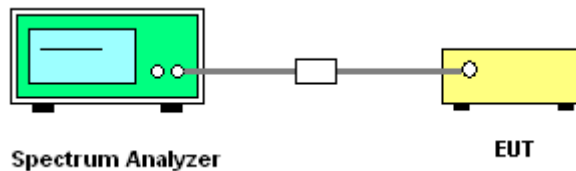
Section F) Maximum power spectral density.

#### # Method SA-2 #

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

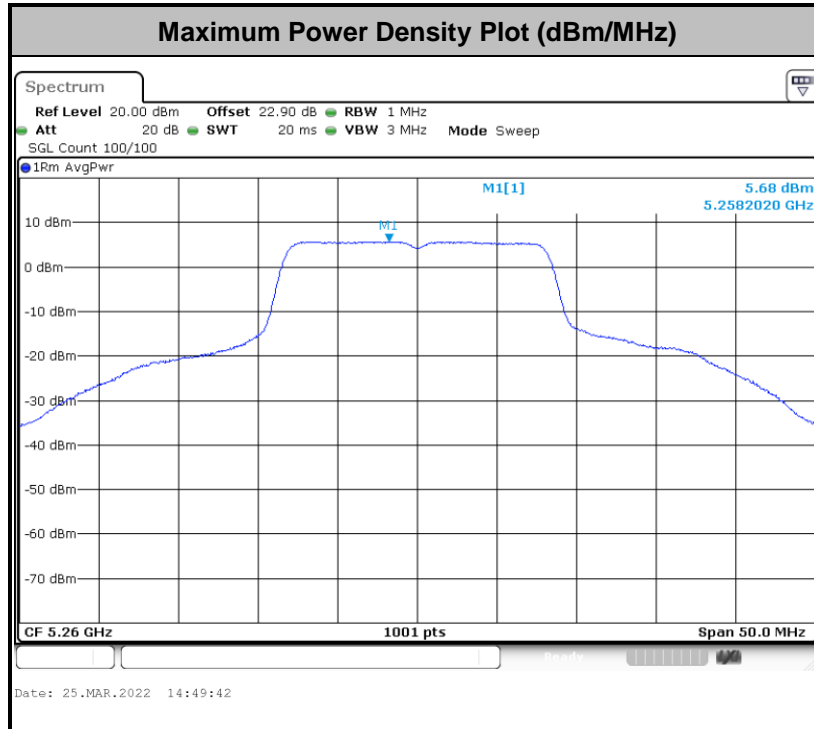
- Measure the duty cycle.
  - Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Sweep time = auto.
  - Detector = RMS
  - Trace average at least 100 traces in power averaging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

### 3.3.4 Test Setup



### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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



### 3.4 Unwanted Emissions Measurement

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

#### 3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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



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

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

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

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

### 3.4.2 Measuring Instruments

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

### 3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

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

- a) RBW = 1 MHz.
- b) VBW ≥ [3 × RBW].
- c) Detector = RMS (power averaging), if [span / (# of points in sweep)] ≤ RBW / 2. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.

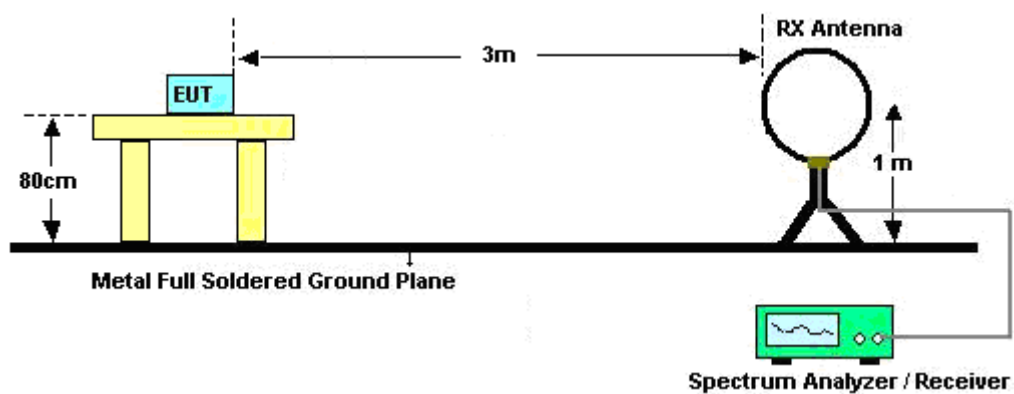


- d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)
- e) Sweep time = auto.
- f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of  $1 / D$ , where  $D$  is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)
- g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
  - 1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is  $[10 \log (1 / D)]$ , where  $D$  is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.
  - 2) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

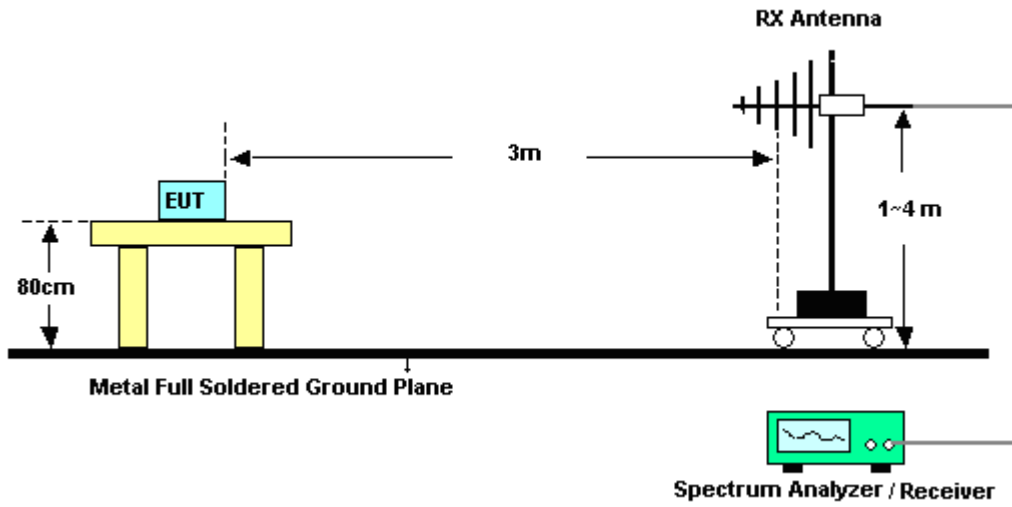
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

### 3.4.4 Test Setup

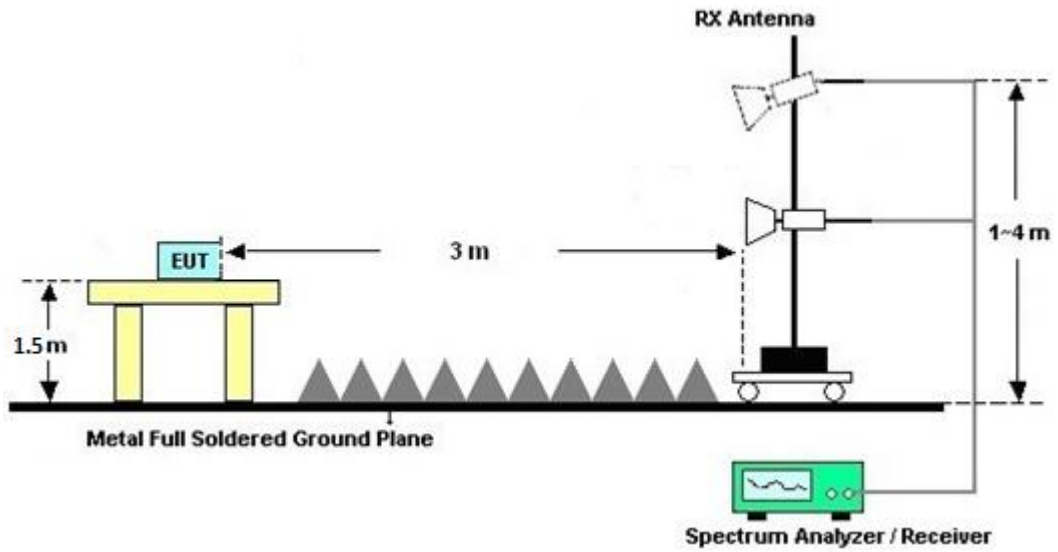
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz

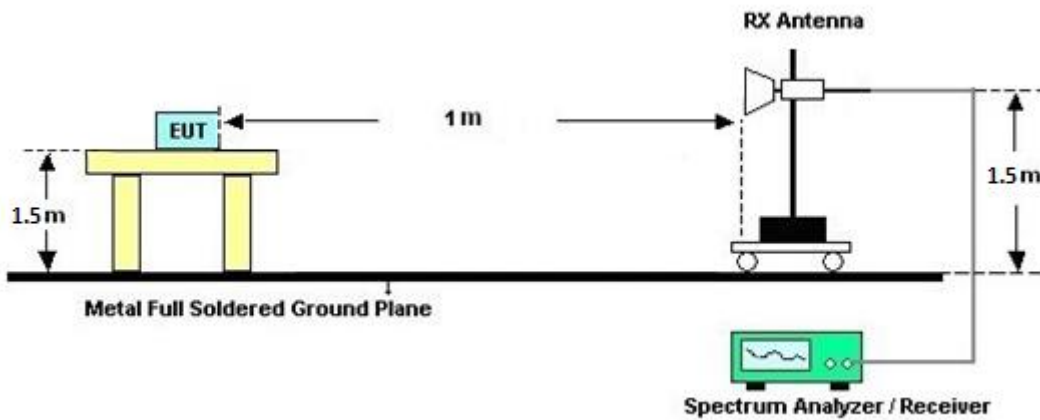


For radiated test from 1GHz to 18GHz





For radiated test above 18GHz



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

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

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

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

Please refer to Appendix C and D.

### 3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

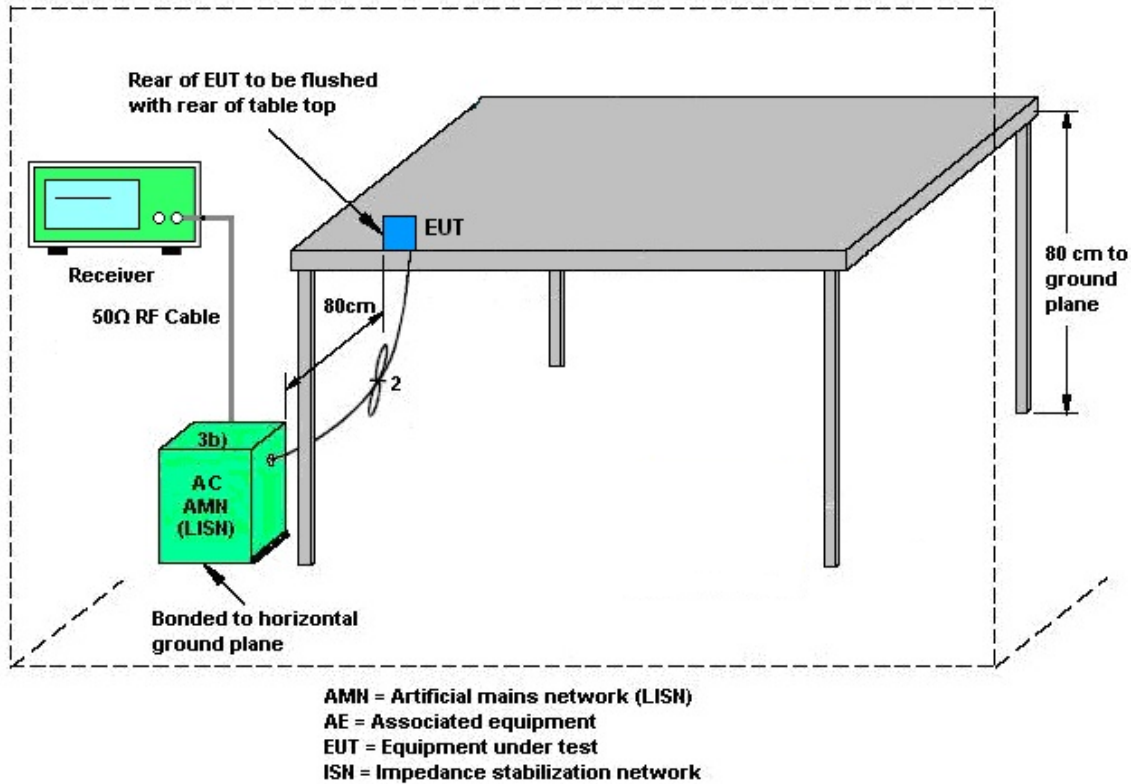
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



## **3.6 Antenna Requirements**

### **3.6.1 Standard Applicable**

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.

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

An embedded-in antenna design is used.

### **3.6.3 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	Sep. 07, 2021	Mar. 05, 2022~ Mar. 29, 2022	Sep. 06, 2022	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 24, 2021	Mar. 05, 2022~ Mar. 29, 2022	Dec. 23, 2022	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 30, 2021	Mar. 05, 2022~ Mar. 29, 2022	Nov. 29, 2022	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 15, 2021	Mar. 05, 2022~ Mar. 29, 2022	Dec. 14, 2022	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 28, 2021	Mar. 05, 2022~ Mar. 29, 2022	Apr. 27, 2022	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz~18GHz	Jul. 13, 2021	Mar. 05, 2022~ Mar. 29, 2022	Jul. 12, 2022	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303B	TP200889	N/A	Sep. 30, 2021	Mar. 05, 2022~ Mar. 29, 2022	Sep. 29, 2022	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 18, 2021	Mar. 05, 2022~ Mar. 29, 2022	May 17, 2022	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 26, 2021	Mar. 05, 2022~ Mar. 29, 2022	Oct. 25, 2022	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 18, 2021	Mar. 05, 2022~ Mar. 16, 2022	Mar. 17, 2022	Radiation (03CH13-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 23, 2021	Mar. 17, 2022~ Mar. 29, 2022	Dec. 22, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 14, 2021	Mar. 05, 2022~ Mar. 29, 2022	Sep. 13, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0SS	SN2	3GHz High Pass Filter	Jul. 12, 2021	Mar. 05, 2022~ Mar. 29, 2022	Jul. 11, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000- 40ST	SN6	6.75GHz High Pass Filter	Jun. 30, 2021	Mar. 05, 2022~ Mar. 29, 2022	Jun. 29, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 09, 2022	Mar. 05, 2022~ Mar. 29, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30MHz~18GHz	Feb. 09, 2022	Mar. 05, 2022~ Mar. 29, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 09, 2022	Mar. 05, 2022~ Mar. 29, 2022	Feb. 08, 2023	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Mar. 05, 2022~ Mar. 09, 2022	Mar. 10, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Mar. 10, 2022~ Mar. 29, 2022	Mar. 09, 2023	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Mar. 05, 2022~ Mar. 29, 2022	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Mar. 05, 2022~ Mar. 29, 2022	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Mar. 05, 2022~ Mar. 29, 2022	N/A	Radiation (03CH13-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Feb. 22, 2022~ Mar. 31, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Meter	DARE	RPR3006W	15I00041SNO 10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Feb. 22, 2022~ Mar. 31, 2022	Dec. 28, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Feb. 22, 2022~ Mar. 31, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Switch Control Manframe	E-IUSTRUMENT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	Feb. 22, 2022~ Mar. 31, 2022	Aug. 11, 2022	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 10, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Mar. 10, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Mar. 10, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Mar. 10, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Mar. 10, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Mar. 10, 2022	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Mar. 10, 2022	Dec. 29, 2022	Conduction (CO05-HY)



## 5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.1 dB
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	6.0 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.2 dB
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.9 dB
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**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	Ching Chen	Temperature:	21~25	°C
Test Date:	2022/2/22-2022/3/31	Relative Humidity:	51~54	%



**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)		99% Bandwidth Power Limit (dBm)		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	17.08	-	28.90	-	23.33	-	22.33	-	
11a	6Mbps	1	44	5220	21.48	-	36.45	-	23.98	-	23.01	-	
11a	6Mbps	1	48	5240	21.73	-	36.65	-	23.98	-	23.01	-	
HT20	MCS0	1	36	5180	18.18	-	28.05	-	23.60	-	22.60	-	
HT20	MCS0	1	44	5220	23.43	-	43.85	-	23.98	-	23.01	-	
HT20	MCS0	1	48	5240	23.73	-	44.00	-	23.98	-	23.01	-	
HT40	MCS0	1	38	5190	37.26	-	42.03	-	23.98	-	23.01	-	
HT40	MCS0	1	46	5230	46.15	-	83.58	-	23.98	-	23.01	-	
VHT80	MCS0	1	42	5210	76.24	-	86.88	-	23.98	-	23.01	-	

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

Band I single antenna											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	16.00	-	24.00	-	2.10	-	Pass
11a	6Mbps	1	44	5220	18.20	-	24.00	-	2.10	-	Pass
11a	6Mbps	1	48	5240	18.10	-	24.00	-	2.10	-	Pass
HT20	MCS0	1	36	5180	15.60	-	24.00	-	2.10	-	Pass
HT20	MCS0	1	44	5220	18.20	-	24.00	-	2.10	-	Pass
HT20	MCS0	1	48	5240	18.10	-	24.00	-	2.10	-	Pass
HT40	MCS0	1	38	5190	11.30	-	24.00	-	2.10	-	Pass
HT40	MCS0	1	46	5230	18.50	-	24.00	-	2.10	-	Pass
VHT20	MCS0	1	36	5180	15.50	-	24.00	-	2.10	-	Pass
VHT20	MCS0	1	44	5220	18.10	-	24.00	-	2.10	-	Pass
VHT20	MCS0	1	48	5240	18.00	-	24.00	-	2.10	-	Pass
VHT40	MCS0	1	38	5190	11.20	-	24.00	-	2.10	-	Pass
VHT40	MCS0	1	46	5230	18.40	-	24.00	-	2.10	-	Pass
VHT80	MCS0	1	42	5210	10.00	-	24.00	-	2.10	-	Pass

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

Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.10	-	3.43	-	11.00	-	2.10	-	Pass
11a	6Mbps	1	44	5220	0.10	-	5.94	-	11.00	-	2.10	-	Pass
11a	6Mbps	1	48	5240	0.10	-	6.22	-	11.00	-	2.10	-	Pass
HT20	MCS0	1	36	5180	0.10	-	2.68	-	11.00	-	2.10	-	Pass
HT20	MCS0	1	44	5220	0.10	-	5.64	-	11.00	-	2.10	-	Pass
HT20	MCS0	1	48	5240	0.10	-	5.88	-	11.00	-	2.10	-	Pass
HT40	MCS0	1	38	5190	0.13	-	-4.74	-	11.00	-	2.10	-	Pass
HT40	MCS0	1	46	5230	0.13	-	2.83	-	11.00	-	2.10	-	Pass
VHT80	MCS0	1	42	5210	0.36	-	-8.21	-	11.00	-	2.10	-	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)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		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	20.58	-	36.30	-	23.98	-	30.00	-	23.98	-	
11a	6Mbps	1	60	5300	21.33	-	36.35	-	23.98	-	30.00	-	23.98	-	
11a	6Mbps	1	64	5320	17.38	-	30.95	-	23.40	-	29.40	-	23.98	-	
HT20	MCS0	1	52	5260	23.73	-	44.15	-	23.98	-	30.00	-	23.98	-	
HT20	MCS0	1	60	5300	23.08	-	43.90	-	23.98	-	30.00	-	23.98	-	
HT20	MCS0	1	64	5320	18.53	-	33.15	-	23.68	-	29.68	-	23.98	-	
HT40	MCS0	1	54	5270	45.46	-	80.42	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	37.26	-	42.03	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	76.24	-	87.20	-	23.98	-	30.00	-	23.98	-	

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

Band II single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	18.50	-	23.98	-	1.50	-	30	Pass
11a	6Mbps	1	60	5300	18.50	-	23.98	-	1.50	-	30	Pass
11a	6Mbps	1	64	5320	16.40	-	23.98	-	1.50	-	30	Pass
HT20	MCS0	1	52	5260	18.50	-	23.98	-	1.50	-	30	Pass
HT20	MCS0	1	60	5300	18.40	-	23.98	-	1.50	-	30	Pass
HT20	MCS0	1	64	5320	16.60	-	23.98	-	1.50	-	30	Pass
HT40	MCS0	1	54	5270	18.50	-	23.98	-	1.50	-	30	Pass
HT40	MCS0	1	62	5310	13.60	-	23.98	-	1.50	-	30	Pass
VHT20	MCS0	1	52	5260	18.40	-	23.98	-	1.50	-	30	Pass
VHT20	MCS0	1	60	5300	18.30	-	23.98	-	1.50	-	30	Pass
VHT20	MCS0	1	64	5320	16.50	-	23.98	-	1.50	-	30	Pass
VHT40	MCS0	1	54	5270	18.40	-	23.98	-	1.50	-	30	Pass
VHT40	MCS0	1	62	5310	13.50	-	23.98	-	1.50	-	30	Pass
VHT80	MCS0	1	58	5290	13.10	-	23.98	-	1.50	-	30	Pass

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

Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	0.10	-	5.78	-	11.00	-	1.50	-	Pass
11a	6Mbps	1	60	5300	0.10	-	5.88	-	11.00	-	1.50	-	Pass
11a	6Mbps	1	64	5320	0.10	-	4.03	-	11.00	-	1.50	-	Pass
HT20	MCS0	1	52	5260	0.10	-	5.85	-	11.00	-	1.50	-	Pass
HT20	MCS0	1	60	5300	0.10	-	5.52	-	11.00	-	1.50	-	Pass
HT20	MCS0	1	64	5320	0.10	-	3.70	-	11.00	-	1.50	-	Pass
HT40	MCS0	1	54	5270	0.13	-	2.58	-	11.00	-	1.50	-	Pass
HT40	MCS0	1	62	5310	0.13	-	-2.21	-	11.00	-	1.50	-	Pass
VHT80	MCS0	1	58	5290	0.36	-	-5.63	-	11.00	-	1.50	-	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)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		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	20.38	-	35.90	-	23.98	-	30.00	-	23.98	-	----	----
11a	6Mbps	1	116	5580	20.13	-	35.85	-	23.98	-	30.00	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.93	-	31.85	-	23.54	-	29.54	-	23.98	-	----	----
HT20	MCS0	1	100	5500	21.88	-	40.60	-	23.98	-	30.00	-	23.98	-	----	----
HT20	MCS0	1	116	5580	23.08	-	40.80	-	23.98	-	30.00	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.53	-	30.55	-	23.68	-	29.68	-	23.98	-	----	----
HT40	MCS0	1	102	5510	37.46	-	50.67	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	43.56	-	80.20	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	46.95	-	84.07	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	76.24	-	86.56	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	79.12	-	189.69	-	23.98	-	30.00	-	23.98	-	----	----

Band III straddle channel single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		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	144	5720	14.69	-	22.00	-	22.67	-	28.67	-	23.98	-	3.2	-
HT20	MCS0	1	144	5720	15.44	-	27.00	-	22.89	-	28.89	-	23.98	-	3.8	-
HT40	MCS0	1	142	5710	35.68	-	56.35	-	23.98	-	30.00	-	23.98	-	3.27	-
VHT80	MCS0	1	138	5690	73.60	-	129.46	-	23.98	-	30.00	-	23.98	-	2.92	-

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

Band III single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	18.30	-	23.98	-	1.40	-	30	Pass
11a	6Mbps	1	116	5580	18.10	-	23.98	-	1.40	-	30	Pass
11a	6Mbps	1	140	5700	16.00	-	23.98	-	1.40	-	30	Pass
HT20	MCS0	1	100	5500	18.30	-	23.98	-	1.40	-	30	Pass
HT20	MCS0	1	116	5580	18.40	-	23.98	-	1.40	-	30	Pass
HT20	MCS0	1	140	5700	15.50	-	23.98	-	1.40	-	30	Pass
HT40	MCS0	1	102	5510	15.10	-	23.98	-	1.40	-	30	Pass
HT40	MCS0	1	110	5550	18.30	-	23.98	-	1.40	-	30	Pass
HT40	MCS0	1	134	5670	18.20	-	23.98	-	1.40	-	30	Pass
VHT20	MCS0	1	100	5500	18.20	-	23.98	-	1.40	-	30	Pass
VHT20	MCS0	1	116	5580	18.30	-	23.98	-	1.40	-	30	Pass
VHT20	MCS0	1	140	5700	15.40	-	23.98	-	1.40	-	30	Pass
VHT40	MCS0	1	102	5510	15.00	-	23.98	-	1.40	-	30	Pass
VHT40	MCS0	1	110	5550	18.20	-	23.98	-	1.40	-	30	Pass
VHT40	MCS0	1	134	5670	18.10	-	23.98	-	1.40	-	30	Pass
VHT80	MCS0	1	106	5530	12.60	-	23.98	-	1.40	-	30	Pass
VHT80	MCS0	1	122	5610	18.50	-	23.98	-	1.40	-	30	Pass

Band III straddle channel single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	18.50	-	23.98	-	1.40	-	30	Pass
HT20	MCS0	1	144	5720	18.50	-	23.98	-	1.40	-	30	Pass
HT40	MCS0	1	142	5710	18.50	-	23.98	-	1.40	-	30	Pass
VHT20	MCS0	1	144	5720	18.40	-	23.98	-	1.40	-	30	Pass
VHT40	MCS0	1	142	5710	18.40	-	23.98	-	1.40	-	30	Pass
VHT80	MCS0	1	138	5690	18.40	-	23.98	-	1.40	-	30	Pass



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

Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	0.10	-	5.65	-	11.00	-	1.40	-	Pass
11a	6Mbps	1	116	5580	0.10	-	5.31	-	11.00	-	1.40	-	Pass
11a	6Mbps	1	140	5700	0.10	-	3.29	-	11.00	-	1.40	-	Pass
HT20	MCS0	1	100	5500	0.10	-	5.28	-	11.00	-	1.40	-	Pass
HT20	MCS0	1	116	5580	0.10	-	5.45	-	11.00	-	1.40	-	Pass
HT20	MCS0	1	140	5700	0.10	-	2.40	-	11.00	-	1.40	-	Pass
HT40	MCS0	1	102	5510	0.13	-	-0.70	-	11.00	-	1.40	-	Pass
HT40	MCS0	1	110	5550	0.13	-	2.59	-	11.00	-	1.40	-	Pass
HT40	MCS0	1	134	5670	0.13	-	2.23	-	11.00	-	1.40	-	Pass
VHT80	MCS0	1	106	5530	0.36	-	-6.24	-	11.00	-	1.40	-	Pass
VHT80	MCS0	1	122	5610	0.36	-	-0.11	-	11.00	-	1.40	-	Pass

Band III straddle channel single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	144	5720	0.10	-	5.92	-	11.00	-	1.40	-	Pass
HT20	MCS0	1	144	5720	0.10	-	5.61	-	11.00	-	1.40	-	Pass
HT40	MCS0	1	142	5710	0.13	-	2.74	-	11.00	-	1.40	-	Pass
VHT80	MCS0	1	138	5690	0.36	-	-0.47	-	11.00	-	1.40	-	Pass



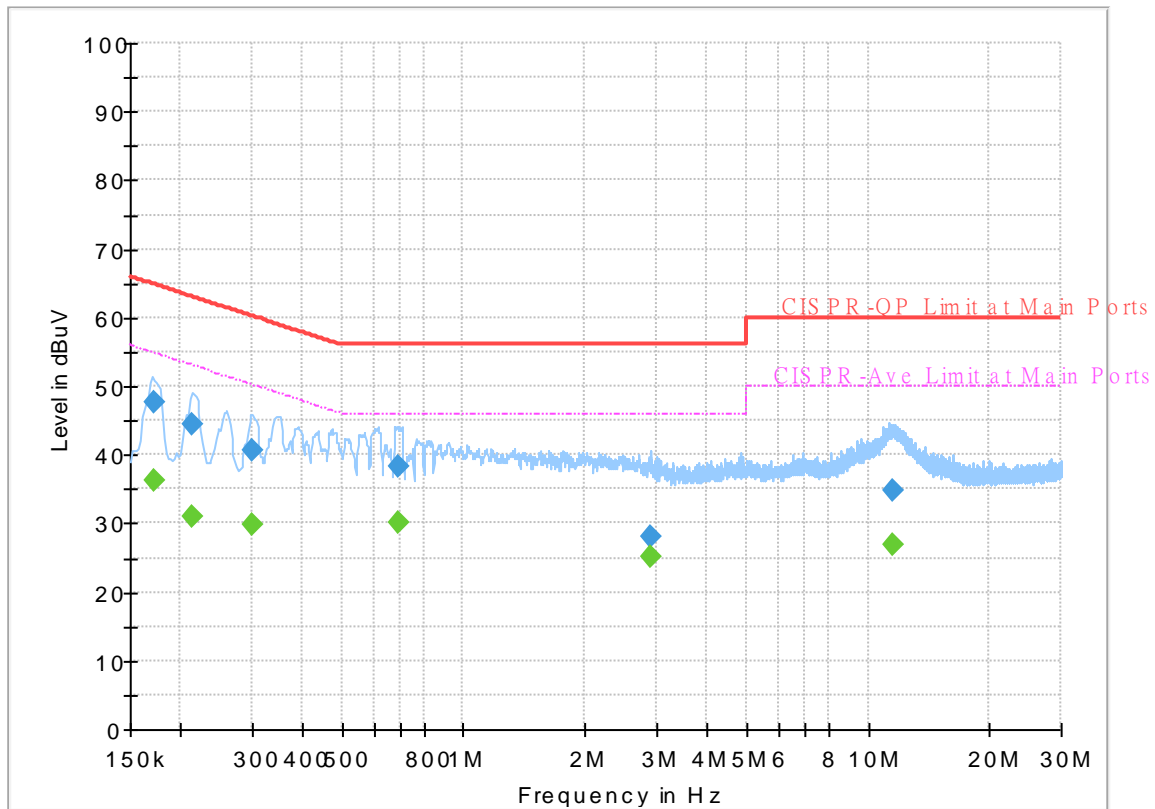
## Appendix B. AC Conducted Emission Test Results

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

## EUT Information

Report NO : 1N0508  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



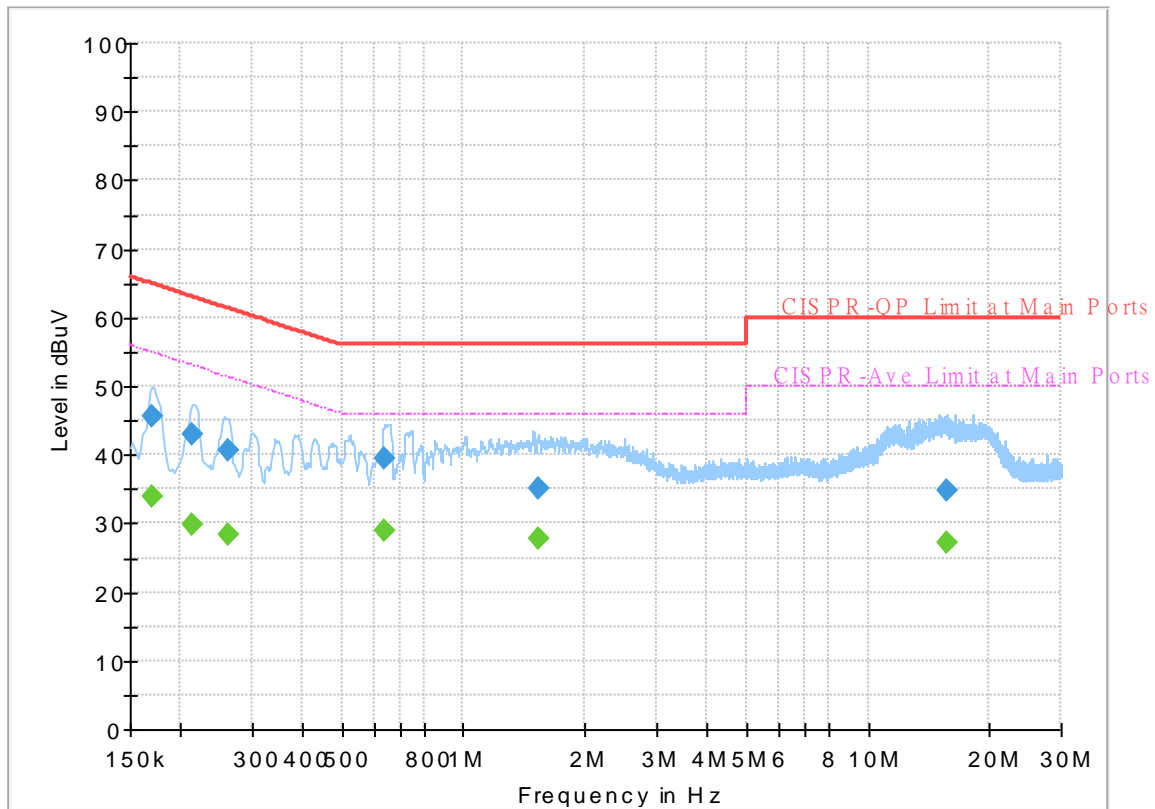
## Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.172500	---	36.32	54.84	18.52	L1	OFF	19.6
0.172500	47.66	---	64.84	17.18	L1	OFF	19.6
0.213000	---	31.04	53.09	22.05	L1	OFF	19.6
0.213000	44.49	---	63.09	18.60	L1	OFF	19.6
0.300750	---	29.84	50.22	20.38	L1	OFF	19.6
0.300750	40.74	---	60.22	19.48	L1	OFF	19.6
0.692250	---	30.12	46.00	15.88	L1	OFF	19.6
0.692250	38.33	---	56.00	17.67	L1	OFF	19.6
2.904000	---	25.02	46.00	20.98	L1	OFF	19.7
2.904000	27.97	---	56.00	28.03	L1	OFF	19.7
11.559750	---	26.98	50.00	23.02	L1	OFF	20.1
11.559750	34.72	---	60.00	25.28	L1	OFF	20.1

## EUT Information

Report NO : 1N0508  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	33.80	54.95	21.15	N	OFF	19.6
0.170250	45.74	---	64.95	19.21	N	OFF	19.6
0.213000	---	29.94	53.09	23.15	N	OFF	19.6
0.213000	43.05	---	63.09	20.04	N	OFF	19.6
0.262500	---	28.29	51.35	23.06	N	OFF	19.6
0.262500	40.51	---	61.35	20.84	N	OFF	19.6
0.640500	---	28.94	46.00	17.06	N	OFF	19.6
0.640500	39.49	---	56.00	16.51	N	OFF	19.6
1.524750	---	27.64	46.00	18.36	N	OFF	19.6
1.524750	35.11	---	56.00	20.89	N	OFF	19.6
15.679500	---	27.07	50.00	22.93	N	OFF	20.3
15.679500	34.83	---	60.00	25.17	N	OFF	20.3



### Appendix C. Radiated Spurious Emission

Test Engineer :	Yuan Lee, Jacky Hong, Wilson Wu and Peter Liao	Temperature :	20~25°C
		Relative Humidity :	40~60%

**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.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 36 5180MHz		5149.76	63.92	-10.08	74	52.02	32.2	6.21	26.51	147	7	P	H	
		5149.76	50.85	-3.15	54	38.95	32.2	6.21	26.51	147	7	A	H	
	*	5180	105.74	-	-	93.93	32.08	6.25	26.52	147	7	P	H	
	*	5180	98.24	-	-	86.43	32.08	6.25	26.52	147	7	A	H	
													H	
													H	
			5148.46	61.19	-12.81	74	49.29	32.2	6.21	26.51	314	33	P	V
			5149.5	48.7	-5.3	54	36.8	32.2	6.21	26.51	314	33	A	V
	*		5180	103.94	-	-	92.13	32.08	6.25	26.52	314	33	P	V
	*		5180	96.26	-	-	84.45	32.08	6.25	26.52	314	33	A	V
													V	
													V	
802.11a CH 44 5220MHz		5009.62	53.02	-20.98	74	41.59	31.86	6.06	26.49	157	2	P	H	
		5115.7	43.79	-10.21	54	31.99	32.13	6.18	26.51	157	2	A	H	
	*	5220	108.44	-	-	96.76	31.92	6.28	26.52	157	2	P	H	
	*	5220	100.79	-	-	89.11	31.92	6.28	26.52	157	2	A	H	
			5400.64	50.78	-23.22	74	39.1	31.9	6.33	26.55	157	2	P	H
			5456.36	42	-12	54	30.26	31.93	6.36	26.55	157	2	A	H
			5128.7	53.06	-20.94	74	41.22	32.16	6.19	26.51	296	74	P	V
			5074.62	43.67	-10.33	54	31.94	32.1	6.13	26.5	296	74	A	V
	*		5220	104.17	-	-	92.49	31.92	6.28	26.52	296	74	P	V
	*		5220	96.43	-	-	84.75	31.92	6.28	26.52	296	74	A	V
			5399.24	50.69	-23.31	74	39.01	31.9	6.33	26.55	296	74	P	V
			5456.92	41.94	-12.06	54	30.2	31.93	6.36	26.55	296	74	A	V



<b>802.11a CH 48 5240MHz</b>		5034.06	54.73	-19.27	74	43.13	32	6.09	26.49	164	3	P	H
		5080.08	43.5	-10.5	54	31.76	32.1	6.14	26.5	164	3	A	H
	*	5240	108.97	-	-	97.37	31.84	6.28	26.52	164	3	P	H
	*	5240	101.15	-	-	89.55	31.84	6.28	26.52	164	3	A	H
		5442.92	51.36	-22.64	74	39.66	31.9	6.35	26.55	164	3	P	H
		5458.32	42	-12	54	30.26	31.93	6.36	26.55	164	3	A	H
		5033.02	53.25	-20.75	74	41.65	32	6.09	26.49	293	76	P	V
		5072.8	43.57	-10.43	54	31.84	32.1	6.13	26.5	293	76	A	V
	*	5240	104.11	-	-	92.51	31.84	6.28	26.52	293	76	P	V
	*	5240	96.14	-	-	84.54	31.84	6.28	26.52	293	76	A	V
		5451.88	51.4	-22.6	74	39.68	31.91	6.36	26.55	293	76	P	V
		5452.72	41.73	-12.27	54	30.01	31.91	6.36	26.55	293	76	A	V
<b>Remark</b>	<ol style="list-style-type: none"> <li>1. No other spurious found.</li> <li>2. All results are PASS against Peak and Average limit line.</li> </ol>												



**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	47.27	-20.93	68.2	54.01	39.94	9.78	56.46	-	-	P	H
		15540	46.29	-27.71	74	50.98	39.44	12.05	56.18	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
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													H
													H
													H
													H
			10360	51.28	-16.92	68.2	58.02	39.94	9.78	56.46	209	356	P
		15540	45.88	-28.12	74	50.57	39.44	12.05	56.18	-	-	P	V
													V
													V
													V
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													V
													V



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 44 5220MHz		10440	51.13	-17.07	68.2	57.55	40.22	9.82	56.46	103	63	P	H	
		15660	45.37	-28.63	74	50.36	38.9	12.04	55.93	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10440	52.92	-15.28	68.2	59.34	40.22	9.82	56.46	226	0	P	V
			15660	46.6	-27.4	74	51.59	38.9	12.04	55.93	-	-	P	V
														V
														V
														V
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														V
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													V	
													V	
													V	
													V	





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 48 5240MHz		10480	50.97	-17.23	68.2	57.24	40.34	9.85	56.46	102	68	P	H
		15720	46.35	-27.65	74	51.42	38.68	12.05	55.8	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			10480	53.19	-15.01	68.2	59.46	40.34	9.85	56.46	218	0	P
		15720	47.02	-26.98	74	52.09	38.68	12.05	55.8	-	-	P	V
													V
													V
													V
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													V
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												



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

WIFI Ant. 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		5146.9	62.86	-11.14	74	50.97	32.19	6.21	26.51	235	7	P	H	
		5149.5	51.58	-2.42	54	39.68	32.2	6.21	26.51	235	7	A	H	
	*	5180	106.74	-	-	94.93	32.08	6.25	26.52	235	7	P	H	
	*	5180	98.95	-	-	87.14	32.08	6.25	26.52	235	7	A	H	
													H	
													H	
			5149.24	59.67	-14.33	74	47.77	32.2	6.21	26.51	390	37	P	V
			5150	48.58	-5.42	54	36.67	32.2	6.22	26.51	390	37	A	V
		*	5180	103.97	-	-	92.16	32.08	6.25	26.52	390	37	P	V
		*	5180	96.25	-	-	84.44	32.08	6.25	26.52	390	37	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5133.38	53.71	-20.29	74	41.85	32.17	6.2	26.51	231	0	P	H	
		5063.44	43.8	-10.2	54	32.08	32.1	6.12	26.5	231	0	A	H	
		* 5220	108.29	-	-	96.61	31.92	6.28	26.52	231	0	P	H	
		* 5220	100.65	-	-	88.97	31.92	6.28	26.52	231	0	A	H	
			5460	52.44	-21.56	74	40.69	31.94	6.36	26.55	231	0	P	H
			5457.2	42.25	-11.75	54	30.51	31.93	6.36	26.55	231	0	A	H
			5005.2	53.72	-20.28	74	42.32	31.83	6.06	26.49	298	28	P	V
			5007.8	43.74	-10.26	54	32.32	31.85	6.06	26.49	298	28	A	V
		*	5220	103.87	-	-	92.19	31.92	6.28	26.52	298	28	P	V
		*	5220	96.29	-	-	84.61	31.92	6.28	26.52	298	28	A	V
		5430.88	51.21	-22.79	74	39.51	31.9	6.35	26.55	298	28	P	V	
		5453.28	42.26	-11.74	54	30.54	31.91	6.36	26.55	298	28	A	V	



<b>802.11n</b>  <b>HT20</b>  <b>CH 48</b>  <b>5240MHz</b>		5079.82	53.85	-20.15	74	42.11	32.1	6.14	26.5	219	0	P	H
		5055.38	43.69	-10.31	54	31.98	32.1	6.11	26.5	219	0	A	H
	*	5240	108.38	-	-	96.78	31.84	6.28	26.52	219	0	P	H
	*	5240	100.63	-	-	89.03	31.84	6.28	26.52	219	0	A	H
		5408.76	51.46	-22.54	74	39.78	31.9	6.33	26.55	219	0	P	H
		5445.72	42.06	-11.94	54	30.35	31.9	6.36	26.55	219	0	A	H
		5083.2	53.25	-20.75	74	41.51	32.1	6.14	26.5	309	30	P	V
		5055.38	43.84	-10.16	54	32.13	32.1	6.11	26.5	309	30	A	V
	*	5240	103.79	-	-	92.19	31.84	6.28	26.52	309	30	P	V
	*	5240	96.18	-	-	84.58	31.84	6.28	26.52	309	30	A	V
		5360.6	51.08	-22.92	74	39.64	31.66	6.32	26.54	309	30	P	V
		5423.6	41.85	-12.15	54	30.16	31.9	6.34	26.55	309	30	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	50.37	-17.83	68.2	57.11	39.94	9.78	56.46	101	84	P	H	
		15540	46.77	-27.23	74	51.46	39.44	12.05	56.18	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10360	51.8	-16.4	68.2	58.54	39.94	9.78	56.46	235	355	P	V
			15540	46.74	-27.26	74	51.43	39.44	12.05	56.18	-	-	P	V
														V
														V
														V
														V
													V	
													V	
													V	
													V	



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)	
i802.11n HT20 CH 44 5220MHz		10440	51.26	-16.94	68.2	57.68	40.22	9.82	56.46	104	70	P	H	
		15660	46.27	-27.73	74	51.26	38.9	12.04	55.93	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10440	53.96	-14.24	68.2	60.38	40.22	9.82	56.46	217	0	P	V
			15660	45.84	-28.16	74	50.83	38.9	12.04	55.93	-	-	P	V
														V
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													V	



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 48 5240MHz		10480	49.6	-18.6	68.2	55.87	40.34	9.85	56.46	-	-	P	H
		15720	46.3	-27.7	74	51.37	38.68	12.05	55.8	-	-	P	H
													H
													H
													H
													H
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													H
													H
													H
			10480	53.94	-14.26	68.2	60.21	40.34	9.85	56.46	197	357	P
		15720	45.93	-28.07	74	51	38.68	12.05	55.8	-	-	P	V
													V
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<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												



**Band 1 5150~5250MHz**  
**WIFI 802.11n HT40 (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 HT40 CH 38 5190MHz		5148.72	60.86	-13.14	74	48.96	32.2	6.21	26.51	233	6	P	H
		5149.76	51.9	-2.1	54	40	32.2	6.21	26.51	233	6	A	H
	*	5190	99.65	-	-	87.87	32.04	6.26	26.52	233	6	P	H
	*	5190	92.41	-	-	80.63	32.04	6.26	26.52	233	6	A	H
		5454.12	51.14	-22.86	74	39.41	31.92	6.36	26.55	233	6	P	H
		5435.08	41.59	-12.41	54	29.89	31.9	6.35	26.55	233	6	A	H
		5149.76	55.86	-18.14	74	43.96	32.2	6.21	26.51	100	24	P	V
		5150	45.99	-8.01	54	34.08	32.2	6.22	26.51	100	24	A	V
	*	5190	92.73	-	-	80.95	32.04	6.26	26.52	100	24	P	V
	*	5190	85.59	-	-	73.81	32.04	6.26	26.52	100	24	A	V
		5361.44	51.46	-22.54	74	40.01	31.67	6.32	26.54	100	24	P	V
		5453	41.47	-12.53	54	29.75	31.91	6.36	26.55	100	24	A	V
802.11n HT40 CH 46 5230MHz		5147.94	59.43	-14.57	74	47.53	32.2	6.21	26.51	235	0	P	H
		5149.76	48.57	-5.43	54	36.53	32.2	6.35	26.51	235	0	A	H
	*	5230	105.82	-	-	94.18	31.88	6.28	26.52	235	0	P	H
	*	5230	97.86	-	-	86.22	31.88	6.28	26.52	235	0	A	H
		5455.8	52.92	-21.08	74	41.19	31.92	6.36	26.55	235	0	P	H
		5351.36	42.48	-11.52	54	30.95	31.61	6.46	26.54	235	0	A	H
		5146.9	57.08	-16.92	74	45.19	32.19	6.21	26.51	305	88	P	V
		5150	47.02	-6.98	54	34.97	32.2	6.36	26.51	305	88	A	V
	*	5230	99.73	-	-	88.09	31.88	6.28	26.52	305	88	P	V
	*	5230	92.12	-	-	80.48	31.88	6.28	26.52	305	88	A	V
	5457.76	52.37	-21.63	74	40.63	31.93	6.36	26.55	305	88	P	V	
	5457.48	42.07	-11.93	54	30.19	31.93	6.5	26.55	305	88	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 HT40 (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 HT40 CH 38 5190MHz		10380	46.47	-21.73	68.2	53.12	40.02	9.79	56.46	-	-	P	H	
		15570	46.14	-27.86	74	50.89	39.32	12.05	56.12	-	-	P	H	
													H	
													H	
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													H	
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													H	
													H	
													H	
													H	
			10380	46.69	-21.51	68.2	53.34	40.02	9.79	56.46	-	-	P	V
			15570	45.62	-28.38	74	50.37	39.32	12.05	56.12	-	-	P	V
														V
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													V	
													V	





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 HT40 CH 46 5230MHz		10460	47.12	-21.08	68.2	53.46	40.28	9.84	56.46	-	-	P	H	
		15690	45.22	-28.78	74	50.29	38.75	12.04	55.86	-	-	P	H	
													H	
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													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10460	47.19	-21.01	68.2	53.53	40.28	9.84	56.46	-	-	P	V
			15690	45.14	-28.86	74	50.21	38.75	12.04	55.86	-	-	P	V
														V
														V
														V
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													V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (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>802.11ac VHT80 CH 42 5210MHz</b>		5140.92	61.31	-12.69	74	49.43	32.18	6.21	26.51	235	7	P	H
		5147.68	51.39	-2.61	54	39.17	32.2	6.53	26.51	235	7	A	H
	*	5210	95.35	-	-	83.64	31.96	6.27	26.52	235	7	P	H
	*	5210	87.49	-	-	75.78	31.96	6.27	26.52	235	7	A	H
		5435.36	52.71	-21.29	74	41.01	31.9	6.35	26.55	235	7	P	H
		5459.16	42.43	-11.57	54	30.36	31.94	6.68	26.55	235	7	A	H
		5140.66	59.7	-14.3	74	47.83	32.18	6.2	26.51	315	34	P	V
		5147.42	49.06	-4.94	54	36.85	32.19	6.53	26.51	315	34	A	V
	*	5210	92.25	-	-	80.54	31.96	6.27	26.52	315	34	P	V
	*	5210	84.51	-	-	72.8	31.96	6.27	26.52	315	34	A	V
		5453.28	51.6	-22.4	74	39.88	31.91	6.36	26.55	315	34	P	V
		5456.08	42.47	-11.53	54	30.42	31.92	6.68	26.55	315	34	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 802.11ac VHT80 (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)	
802.11ac VHT80 CH 42 5210MHz		10420	46.27	-21.93	68.2	52.76	40.16	9.81	56.46	-	-	P	H	
		15630	46.23	-27.77	74	51.12	39.05	12.05	55.99	-	-	P	H	
													H	
													H	
													H	
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													H	
													H	
													H	
			10420	47.2	-21	68.2	53.69	40.16	9.81	56.46	-	-	P	V
			15630	45.78	-28.22	74	50.67	39.05	12.05	55.99	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



**Band 2 - 5250~5350MHz**  
**WiFi 802.11a (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 52 5260MHz		5072.76	53.88	-20.12	74	42.15	32.1	6.13	26.5	156	2	P	H
		5074.12	43.67	-10.33	54	31.94	32.1	6.13	26.5	156	2	A	H
	*	5260	108.5	-	-	96.96	31.78	6.29	26.53	156	2	P	H
	*	5260	100.44	-	-	88.9	31.78	6.29	26.53	156	2	A	H
		5400.72	50.69	-23.31	74	39.01	31.9	6.33	26.55	156	2	P	H
		5435.76	41.62	-12.38	54	29.92	31.9	6.35	26.55	156	2	A	H
		5112.54	53.53	-20.47	74	41.74	32.13	6.17	26.51	293	76	P	V
		5043.18	43.39	-10.61	54	31.73	32.06	6.1	26.5	293	76	A	V
	*	5260	103.45	-	-	91.91	31.78	6.29	26.53	293	76	P	V
	*	5260	95.83	-	-	84.29	31.78	6.29	26.53	293	76	A	V
		5430.72	50.45	-23.55	74	38.75	31.9	6.35	26.55	293	76	P	V
		5457.84	41.79	-12.21	54	30.05	31.93	6.36	26.55	293	76	A	V
802.11a CH 60 5300MHz		5059.16	54.44	-19.56	74	42.72	32.1	6.12	26.5	150	2	P	H
		5105.4	43.39	-10.61	54	31.61	32.11	6.17	26.5	150	2	A	H
	*	5300	108.83	-	-	97.36	31.7	6.3	26.53	150	2	P	H
	*	5300	100.61	-	-	89.14	31.7	6.3	26.53	150	2	A	H
		5351.76	54.21	-19.79	74	42.82	31.61	6.32	26.54	150	2	P	H
		5350.08	45.33	-8.67	54	33.95	31.6	6.32	26.54	150	2	A	H
		5051.34	53.24	-20.76	74	41.53	32.1	6.11	26.5	300	75	P	V
		5036.72	43.4	-10.6	54	31.79	32.02	6.09	26.5	300	75	A	V
	*	5300	102.8	-	-	91.33	31.7	6.3	26.53	300	75	P	V
	*	5300	95.13	-	-	83.66	31.7	6.3	26.53	300	75	A	V
		5354.16	51.13	-22.87	74	39.73	31.62	6.32	26.54	300	75	P	V
		5351.28	41.84	-12.16	54	30.45	31.61	6.32	26.54	300	75	A	V



<b>802.11a CH 64 5320MHz</b>	*	5320	106.25	-	-	94.81	31.66	6.31	26.53	218	7	P	H
	*	5320	98.48	-	-	87.04	31.66	6.31	26.53	218	7	A	H
		5352.8	62.76	-11.24	74	51.36	31.62	6.32	26.54	218	7	P	H
		5350.24	51.33	-2.67	54	39.95	31.6	6.32	26.54	218	7	A	H
													H
													H
	*	5320	102.33	-	-	90.89	31.66	6.31	26.53	400	59	P	V
	*	5320	94.56	-	-	83.12	31.66	6.31	26.53	400	59	A	V
		5352.64	59.37	-14.63	74	47.97	31.62	6.32	26.54	400	59	P	V
		5350.56	48.51	-5.49	54	37.13	31.6	6.32	26.54	400	59	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	47.87	-20.33	68.2	54.07	40.36	9.87	56.43	-	-	P	H
		15780	45.87	-28.13	74	50.88	38.62	12.04	55.67	-	-	P	H
													H
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			10520	53.07	-15.13	68.2	59.27	40.36	9.87	56.43	198	354	P
		15780	46.24	-27.76	74	51.25	38.62	12.04	55.67	-	-	P	V
													V
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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 64 5320MHz		10640	49.55	-24.45	74	55.56	40.32	9.94	56.27	245	336	P	H	
		10640	39.81	-14.19	54	45.82	40.32	9.94	56.27	245	336	A	H	
		15960	45.53	-28.47	74	50.27	38.52	12.03	55.29	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10640	50.54	-23.46	74	56.55	40.32	9.94	56.27	207	355	P	V
			10640	40.37	-13.63	54	46.38	40.32	9.94	56.27	207	355	A	V
			15960	46.76	-27.24	74	51.5	38.52	12.03	55.29	-	-	P	V
														V
														V
														V
														V
														V
														V
													V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													





**Band 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		5092.48	53.18	-20.82	74	41.43	32.1	6.15	26.5	240	5	P	H
		5071.06	43.9	-10.1	54	32.17	32.1	6.13	26.5	240	5	A	H
	*	5260	109.02	-	-	97.48	31.78	6.29	26.53	240	5	P	H
	*	5260	101.12	-	-	89.58	31.78	6.29	26.53	240	5	A	H
		5458.32	51.04	-22.96	74	39.3	31.93	6.36	26.55	240	5	P	H
		5456.4	42.06	-11.94	54	30.32	31.93	6.36	26.55	240	5	A	H
		5074.8	54.26	-19.74	74	42.53	32.1	6.13	26.5	382	32	P	V
		5056.78	43.38	-10.62	54	31.67	32.1	6.11	26.5	382	32	A	V
	*	5260	104.84	-	-	93.3	31.78	6.29	26.53	382	32	P	V
	*	5260	97.18	-	-	85.64	31.78	6.29	26.53	382	32	A	V
		5428.08	50.86	-23.14	74	39.16	31.9	6.35	26.55	382	32	P	V
		5452.56	42.04	-11.96	54	30.32	31.91	6.36	26.55	382	32	A	V
	802.11n HT20 CH 60 5300MHz		5082.28	53.41	-20.59	74	41.67	32.1	6.14	26.5	228	0	P
		5094.52	43.61	-10.39	54	31.86	32.1	6.15	26.5	228	0	A	H
*		5300	108.21	-	-	96.74	31.7	6.3	26.53	228	0	P	H
*		5300	100.35	-	-	88.88	31.7	6.3	26.53	228	0	A	H
		5350.32	59.13	-14.87	74	47.75	31.6	6.32	26.54	228	0	P	H
		5350.8	45.5	-8.5	54	34.12	31.6	6.32	26.54	228	0	A	H
		5074.8	53.04	-20.96	74	41.31	32.1	6.13	26.5	394	29	P	V
		5064.26	43.45	-10.55	54	31.73	32.1	6.12	26.5	394	29	A	V
*		5300	103.64	-	-	92.17	31.7	6.3	26.53	394	29	P	V
*		5300	96.12	-	-	84.65	31.7	6.3	26.53	394	29	A	V
	5354.64	53.89	-20.11	74	42.48	31.63	6.32	26.54	394	29	P	V	
	5350.08	43.21	-10.79	54	31.83	31.6	6.32	26.54	394	29	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 64</b> <b>5320MHz</b>	*	5320	106.26	-	-	94.82	31.66	6.31	26.53	218	6	P	H
	*	5320	98.38	-	-	86.94	31.66	6.31	26.53	218	6	A	H
		5350.24	62.39	-11.61	74	51.01	31.6	6.32	26.54	218	6	P	H
		5350.24	51.34	-2.66	54	39.96	31.6	6.32	26.54	218	6	A	H
													H
													H
	*	5320	103.29	-	-	91.85	31.66	6.31	26.53	308	36	P	V
	*	5320	95.45	-	-	84.01	31.66	6.31	26.53	308	36	A	V
		5351.04	59.95	-14.05	74	48.56	31.61	6.32	26.54	308	36	P	V
		5350.08	47.68	-6.32	54	36.3	31.6	6.32	26.54	308	36	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	50.97	-17.23	68.2	57.17	40.36	9.87	56.43	103	73	P	H	
		15780	46.45	-27.55	74	51.46	38.62	12.04	55.67	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10520	52.42	-15.78	68.2	58.62	40.36	9.87	56.43	203	354	P	V
			15780	46.87	-27.13	74	51.88	38.62	12.04	55.67	-	-	P	V
														V
														V
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													V	
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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 60 5300MHz		10600	50.01	-23.99	74	56.21	40.2	9.92	56.32	163	47	P	H	
		10600	39.89	-14.11	54	46.09	40.2	9.92	56.32	163	47	A	H	
		15900	46.6	-27.4	74	51.28	38.7	12.03	55.41	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10600	50.91	-23.09	74	57.11	40.2	9.92	56.32	206	356	P	V
			10600	41.67	-12.33	54	47.87	40.2	9.92	56.32	206	356	A	V
			15900	46.34	-27.66	74	51.02	38.7	12.03	55.41	-	-	P	V
														V
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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 64 5320MHz		10640	49.69	-24.31	74	55.7	40.32	9.94	56.27	245	332	P	H	
		10640	39.73	-14.27	54	45.74	40.32	9.94	56.27	245	332	A	H	
		15960	46.14	-27.86	74	50.88	38.52	12.03	55.29	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			10640	50.96	-23.04	74	56.97	40.32	9.94	56.27	202	355	P	V
			10640	40.28	-13.72	54	46.29	40.32	9.94	56.27	202	355	A	V
			15960	45.92	-28.08	74	50.66	38.52	12.03	55.29	-	-	P	V
														V
														V
														V
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													V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



**Band 2 5250~5350MHz**  
**WIFI 802.11n HT40 (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 HT40 CH 54 5270MHz		5076.5	53.15	-20.85	74	41.42	32.1	6.13	26.5	216	7	P	H
		5148.58	43.41	-10.59	54	31.51	32.2	6.21	26.51	216	7	A	H
	*	5270	105.96	-	-	94.44	31.76	6.29	26.53	216	7	P	H
	*	5270	98.7	-	-	87.18	31.76	6.29	26.53	216	7	A	H
		5355.6	56.97	-17.03	74	45.56	31.63	6.32	26.54	216	7	P	H
		5351.28	47.57	-6.43	54	36.18	31.61	6.32	26.54	216	7	A	H
		5119.34	52.47	-21.53	74	40.66	32.14	6.18	26.51	398	40	P	V
		5149.6	43.37	-10.63	54	31.47	32.2	6.21	26.51	398	40	A	V
	*	5270	103.09	-	-	91.57	31.76	6.29	26.53	398	40	P	V
	*	5270	95.72	-	-	84.2	31.76	6.29	26.53	398	40	A	V
		5350.08	53.13	-20.87	74	41.75	31.6	6.32	26.54	398	40	P	V
		5351.04	44.4	-9.6	54	33.01	31.61	6.32	26.54	398	40	A	V
802.11n HT40 CH 62 5310MHz		5071.4	52.94	-21.06	74	41.21	32.1	6.13	26.5	214	4	P	H
		5132.6	42.95	-11.05	54	31.09	32.17	6.2	26.51	214	4	A	H
	*	5310	99.95	-	-	88.5	31.68	6.3	26.53	214	4	P	H
	*	5310	92.68	-	-	81.23	31.68	6.3	26.53	214	4	A	H
		5350.8	61.06	-12.94	74	49.68	31.6	6.32	26.54	214	4	P	H
		5351.28	50.99	-3.01	54	39.6	31.61	6.32	26.54	214	4	A	H
		5143.48	52.16	-21.84	74	40.27	32.19	6.21	26.51	393	42	P	V
		5065.62	43.02	-10.98	54	31.3	32.1	6.12	26.5	393	42	A	V
	*	5310	97.98	-	-	86.53	31.68	6.3	26.53	393	42	P	V
	*	5310	91	-	-	79.55	31.68	6.3	26.53	393	42	A	V
	5354.64	56.85	-17.15	74	45.44	31.63	6.32	26.54	393	42	P	V	
	5350.8	47.96	-6.04	54	36.58	31.6	6.32	26.54	393	42	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 HT40 (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 HT40 CH 54 5270MHz		10540	49.83	-18.37	68.2	56.03	40.32	9.88	56.4	104	74	P	H	
		15810	46.25	-27.75	74	51.21	38.61	12.04	55.61	-	-	P	H	
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													H	
													H	
													H	
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													H	
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													H	
													H	
			10540	50.45	-17.75	68.2	56.65	40.32	9.88	56.4	203	355	P	V
			15810	46.61	-27.39	74	51.57	38.61	12.04	55.61	-	-	P	V
													V	
													V	
													V	
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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 HT40 CH 62 5310MHz		10620	47.85	-26.15	74	53.95	40.26	9.93	56.29	-	-	P	H
		15930	44.09	-29.91	74	48.79	38.61	12.04	55.35	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
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													H
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													H
													H
													H
	5310MHz		10620	47.28	-26.72	74	53.38	40.26	9.93	56.29	-	-	P
		15930	44.44	-29.56	74	49.14	38.61	12.04	55.35	-	-	P	V
													V
													V
													V
													V
													V
													V
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Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												





Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

Table with 14 columns: 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). Rows include test results for 802.11ac VHT80 CH 58 5290MHz and a Remark section.



**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (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)	
802.11ac VHT80 CH 58 5290MHz		10580	47.2	-21	68.2	53.4	40.24	9.91	56.35	-	-	P	H	
		15870	44.74	-29.26	74	49.52	38.67	12.03	55.48	-	-	P	H	
													H	
													H	
													H	
													H	
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													H	
													H	
			10580	46.67	-21.53	68.2	52.87	40.24	9.91	56.35	-	-	P	V
			15870	45.37	-28.63	74	50.15	38.67	12.03	55.48	-	-	P	V
													V	
													V	
													V	
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<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



**Band 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		5460.08	61.91	-6.29	68.2	50.16	31.94	6.36	26.55	175	357	P	H	
		5470	66.17	-2.03	68.2	54.38	31.98	6.37	26.56	175	357	P	H	
		5459.76	48.83	-5.17	54	37.08	31.94	6.36	26.55	175	357	A	H	
	*	5500	110.62	-	-	98.69	32.1	6.39	26.56	175	357	P	H	
	*	5500	102.71	-	-	90.78	32.1	6.39	26.56	175	357	A	H	
														H
			5458.16	55.18	-18.82	74	43.44	31.93	6.36	26.55	100	16	P	V
			5468.72	62.62	-5.58	68.2	50.84	31.97	6.37	26.56	100	16	P	V
			5458.96	46.2	-7.8	54	34.45	31.94	6.36	26.55	100	16	A	V
	*		5500	106.8	-	-	94.87	32.1	6.39	26.56	100	16	P	V
	*		5500	98.97	-	-	87.04	32.1	6.39	26.56	100	16	A	V
														V
802.11a CH 116 5580MHz		5416.96	51.16	-22.84	74	39.47	31.9	6.34	26.55	192	323	P	H	
		5460.64	51.95	-16.25	68.2	40.2	31.94	6.36	26.55	192	323	P	H	
		5432.08	41.87	-12.13	54	30.17	31.9	6.35	26.55	192	323	A	H	
	*	5580	107.31	-	-	95.47	32	6.43	26.59	192	323	P	H	
	*	5580	99.79	-	-	87.95	32	6.43	26.59	192	323	A	H	
			5741.69	53.34	-14.86	68.2	41.07	32.37	6.56	26.66	192	323	P	H
			5413.36	51.25	-22.75	74	39.56	31.9	6.34	26.55	100	17	P	V
			5459.92	51.14	-22.86	74	39.39	31.94	6.36	26.55	100	17	P	V
			5456.08	41.73	-12.27	54	30	31.92	6.36	26.55	100	17	A	V
	*		5580	106.17	-	-	94.33	32	6.43	26.59	100	17	P	V
	*		5580	98.43	-	-	86.59	32	6.43	26.59	100	17	A	V
			5765	52.04	-16.16	68.2	39.73	32.4	6.58	26.67	100	17	P	V



<b>802.11a</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	104.89	-	-	92.8	32.2	6.53	26.64	168	326	P	H
	*	5700	97.19	-	-	85.1	32.2	6.53	26.64	168	326	A	H
		5725.08	64.97	-3.23	68.2	52.77	32.3	6.55	26.65	168	326	P	H
													H
													H
													H
	*	5700	104.79	-	-	92.7	32.2	6.53	26.64	237	276	P	V
	*	5700	97.15	-	-	85.06	32.2	6.53	26.64	237	276	A	V
		5725.32	64.96	-3.24	68.2	52.76	32.3	6.55	26.65	237	276	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	48.88	-25.12	74	53.79	40.7	10.16	55.77	197	147	P	H	
		11000	35.14	-18.86	54	40.05	40.7	10.16	55.77	197	147	A	H	
		16500	45.07	-23.13	68.2	48.17	39.9	12.31	55.31	-	-	P	H	
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			11000	48.76	-25.24	74	53.67	40.7	10.16	55.77	100	353	P	V
			11000	37.13	-16.87	54	42.04	40.7	10.16	55.77	100	353	A	V
			16500	45.03	-23.17	68.2	48.13	39.9	12.31	55.31	-	-	P	V
														V
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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 116 5580MHz		11160	47.22	-26.78	74	52.81	39.96	10.22	55.77	-	-	P	H
		16740	45.28	-22.92	68.2	48.1	40.26	12.45	55.53	-	-	P	H
													H
													H
													H
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			11160	47.59	-26.41	74	53.18	39.96	10.22	55.77	-	-	P
		16740	45.71	-22.49	68.2	48.53	40.26	12.45	55.53	-	-	P	V
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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 140 5700MHz		11400	47.49	-26.51	74	53.04	39.9	10.33	55.78	-	-	P	H
		17100	47.01	-21.19	68.2	49.85	40.4	12.71	55.95	-	-	P	H
													H
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													H
													H
													H
			11400	47.35	-26.65	74	52.9	39.9	10.33	55.78	-	-	P
		17100	45.96	-22.24	68.2	48.8	40.4	12.71	55.95	-	-	P	V
													V
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<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>												



**Band 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		5457.2	61.59	-12.41	74	49.85	31.93	6.36	26.55	220	6	P	H	
		5468.4	64.98	-3.22	68.2	53.2	31.97	6.37	26.56	220	6	P	H	
		5459.92	48.81	-5.19	54	37.06	31.94	6.36	26.55	220	6	A	H	
	*	5500	107.32	-	-	95.39	32.1	6.39	26.56	220	6	P	H	
	*	5500	99.72	-	-	87.79	32.1	6.39	26.56	220	6	A	H	
														H
			5455.92	56.21	-17.79	74	44.48	31.92	6.36	26.55	100	6	P	V
			5466.48	59.12	-9.08	68.2	47.34	31.97	6.37	26.56	100	6	P	V
			5460	44.43	-9.57	54	32.68	31.94	6.36	26.55	100	6	A	V
	*		5500	103	-	-	91.07	32.1	6.39	26.56	100	6	P	V
	*		5500	95.33	-	-	83.4	32.1	6.39	26.56	100	6	A	V
														V
802.11n HT20 CH 116 5580MHz		5377.36	51.28	-22.72	74	39.74	31.76	6.32	26.54	204	0	P	H	
		5464.72	51.51	-16.69	68.2	39.74	31.96	6.37	26.56	204	0	P	H	
		5452.24	42.16	-11.84	54	30.44	31.91	6.36	26.55	204	0	A	H	
	*	5580	107.74	-	-	95.9	32	6.43	26.59	204	0	P	H	
	*	5580	99.57	-	-	87.73	32	6.43	26.59	204	0	A	H	
			5749.88	52.61	-15.59	68.2	40.3	32.4	6.57	26.66	204	0	P	H
			5453.44	51.1	-22.9	74	39.38	31.91	6.36	26.55	100	18	P	V
			5469.52	51.39	-16.81	68.2	39.6	31.98	6.37	26.56	100	18	P	V
			5432.08	41.82	-12.18	54	30.12	31.9	6.35	26.55	100	18	A	V
	*		5580	106.77	-	-	94.93	32	6.43	26.59	100	18	P	V
	*		5580	99.08	-	-	87.24	32	6.43	26.59	100	18	A	V
			5752.4	52.49	-15.71	68.2	40.18	32.4	6.57	26.66	100	18	P	V





<b>802.11n</b> <b>HT20</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	102.4	-	-	90.31	32.2	6.53	26.64	184	4	P	H
	*	5700	94.72	-	-	82.63	32.2	6.53	26.64	184	4	A	H
		5725.24	65.3	-2.9	68.2	53.1	32.3	6.55	26.65	184	4	P	H
													H
													H
													H
	*	5700	100.88	-	-	88.79	32.2	6.53	26.64	100	24	P	V
	*	5700	93.08	-	-	80.99	32.2	6.53	26.64	100	24	A	V
		5725	61.99	-6.21	68.2	49.79	32.3	6.55	26.65	100	24	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	47.97	-26.03	74	52.88	40.7	10.16	55.77	-	-	P	H	
		16500	44.85	-23.35	68.2	47.95	39.9	12.31	55.31	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11000	49.78	-24.22	74	54.69	40.7	10.16	55.77	100	353	P	V
			11000	38.22	-15.78	54	43.13	40.7	10.16	55.77	100	353	A	V
			16500	45.03	-23.17	68.2	48.13	39.9	12.31	55.31	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	



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 116 5580MHz		11160	47.44	-26.56	74	53.03	39.96	10.22	55.77	-	-	P	H	
		16740	47.37	-20.83	68.2	50.19	40.26	12.45	55.53	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11160	47.94	-26.06	74	53.53	39.96	10.22	55.77	-	-	P	V
			16740	46.94	-21.26	68.2	49.76	40.26	12.45	55.53	-	-	P	V
														V
														V
														V
														V
														V
														V
													V	
													V	



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 140 5700MHz		11400	47.38	-26.62	74	52.93	39.9	10.33	55.78	-	-	P	H
		17100	47.08	-21.12	68.2	49.92	40.4	12.71	55.95	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
			11400	46.89	-27.11	74	52.44	39.9	10.33	55.78	-	-	P
		17100	46.11	-22.09	68.2	48.95	40.4	12.71	55.95	-	-	P	V
													V
													V
													V
													V
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													V
													V
													V
													V
													V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11n HT40 (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 HT40 CH 102 5510MHz		5459.68	59.82	-14.18	74	48.07	31.94	6.36	26.55	159	317	P	H
		5469.04	65.1	-3.1	68.2	53.31	31.98	6.37	26.56	159	317	P	H
		5459.68	49.63	-4.37	54	37.88	31.94	6.36	26.55	159	317	A	H
	*	5510	102.1	-	-	90.19	32.08	6.39	26.56	159	317	P	H
	*	5510	94.97	-	-	83.06	32.08	6.39	26.56	159	317	A	H
		5738.225	52.1	-16.1	68.2	39.85	32.35	6.56	26.66	159	317	P	H
		5458.96	58.44	-15.56	74	46.69	31.94	6.36	26.55	400	282	P	V
		5468.32	64.35	-3.85	68.2	52.57	31.97	6.37	26.56	400	282	P	V
		5460	47.24	-6.76	54	35.49	31.94	6.36	26.55	400	282	A	V
	*	5510	100.18	-	-	88.27	32.08	6.39	26.56	400	282	P	V
	*	5510	93.07	-	-	81.16	32.08	6.39	26.56	400	282	A	V
		5746.73	51.57	-16.63	68.2	39.28	32.39	6.56	26.66	400	282	P	V
802.11n HT40 CH 110 5550MHz		5456.8	53.38	-20.62	74	41.64	31.93	6.36	26.55	218	7	P	H
		5469.52	55.11	-13.09	68.2	43.32	31.98	6.37	26.56	218	7	P	H
		5458.72	44.5	-9.5	54	32.76	31.93	6.36	26.55	218	7	A	H
	*	5550	105.23	-	-	93.4	32	6.41	26.58	218	7	P	H
	*	5550	97.47	-	-	85.64	32	6.41	26.58	218	7	A	H
		5754.92	52.9	-15.3	68.2	40.59	32.4	6.57	26.66	218	7	P	H
		5423.92	52.67	-21.33	74	40.98	31.9	6.34	26.55	100	17	P	V
		5468.08	53.01	-15.19	68.2	41.23	31.97	6.37	26.56	100	17	P	V
		5456.56	43.14	-10.86	54	31.4	31.93	6.36	26.55	100	17	A	V
	*	5550	104.21	-	-	92.38	32	6.41	26.58	100	17	P	V
	*	5550	96.13	-	-	84.3	32	6.41	26.58	100	17	A	V
		5761.535	52	-16.2	68.2	39.68	32.4	6.58	26.66	100	17	P	V



<b>802.11n</b>  <b>HT40</b>  <b>CH 134</b>  <b>5670MHz</b>		5434	52.98	-21.02	74	41.28	31.9	6.35	26.55	207	7	P	H
		5462.7	51	-17.2	68.2	39.24	31.95	6.36	26.55	207	7	P	H
		5454.65	42.16	-11.84	54	30.43	31.92	6.36	26.55	207	7	A	H
	*	5670	104.04	-	-	92.15	32.02	6.5	26.63	207	7	P	H
	*	5670	96.46	-	-	84.57	32.02	6.5	26.63	207	7	A	H
		5725.625	65.29	-2.91	68.2	53.09	32.3	6.55	26.65	207	7	P	H
		5434	51.69	-22.31	74	39.99	31.9	6.35	26.55	101	19	P	V
		5467.95	51.25	-16.95	68.2	39.47	31.97	6.37	26.56	101	19	P	V
		5452.55	41.94	-12.06	54	30.22	31.91	6.36	26.55	101	19	A	V
	*	5670	103.17	-	-	91.28	32.02	6.5	26.63	101	19	P	V
	*	5670	95.74	-	-	83.85	32.02	6.5	26.63	101	19	A	V
		5727.515	63.15	-5.05	68.2	50.94	32.31	6.55	26.65	101	19	P	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 HT40 (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 HT40 CH 102 5510MHz		11020	48.49	-25.51	74	53.5	40.6	10.16	55.77	200	122	P	H	
		11020	35.33	-18.67	54	40.34	40.6	10.16	55.77	200	122	A	H	
		16530	44.47	-23.73	68.2	47.61	39.87	12.33	55.34	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11020	47.99	-26.01	74	53	40.6	10.16	55.77	-	-	P	V
			16530	45.01	-23.19	68.2	48.15	39.87	12.33	55.34	-	-	P	V
														V
														V
														V
														V
														V
													V	



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 HT40 CH 110 5550MHz		11100	47.46	-26.54	74	52.83	40.2	10.2	55.77	-	-	P	H	
		16650	45.97	-22.23	68.2	49.07	39.95	12.4	55.45	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11100	47.62	-26.38	74	52.99	40.2	10.2	55.77	-	-	P	V
			16650	47.04	-21.16	68.2	50.14	39.95	12.4	55.45	-	-	P	V
														V
														V
														V
														V
														V
													V	
													V	





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 )	
i802.11n HT40 CH 134 5670MHz		11340	47.91	-26.09	74	53.6	39.78	10.31	55.78	-	-	P	H	
		17010	47.7	-20.5	68.2	50.39	40.49	12.61	55.79	-	-	P	H	
													H	
													H	
													H	
													H	
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													H	
													H	
			11340	47.4	-26.6	74	53.09	39.78	10.31	55.78	-	-	P	V
			17010	47.36	-20.84	68.2	50.05	40.49	12.61	55.79	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT80 (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 )
802.11ac VHT80 CH 106 5530MHz		5459.92	62.63	-11.37	74	50.88	31.94	6.36	26.55	162	320	P	H
		5463.28	61.67	-6.53	68.2	49.91	31.95	6.36	26.55	162	320	P	H
		5458.24	51.88	-2.12	54	40.14	31.93	6.36	26.55	162	320	A	H
	*	5530	96.76	-	-	84.89	32.04	6.4	26.57	162	320	P	H
	*	5530	89.76	-	-	77.89	32.04	6.4	26.57	162	320	A	H
		5738.225	52.27	-15.93	68.2	40.02	32.35	6.56	26.66	162	320	P	H
		5457.52	58	-16	74	46.26	31.93	6.36	26.55	302	295	P	V
		5460.64	59.84	-8.36	68.2	48.09	31.94	6.36	26.55	302	295	P	V
		5459.92	50	-4	54	38.25	31.94	6.36	26.55	302	295	A	V
	*	5530	94.83	-	-	82.96	32.04	6.4	26.57	302	295	P	V
	*	5530	87.65	-	-	75.78	32.04	6.4	26.57	302	295	A	V
		5725.94	51.97	-16.23	68.2	39.77	32.3	6.55	26.65	302	295	P	V
802.11ac VHT80 CH 122 5610MHz		5459.9	55.78	-18.22	74	44.03	31.94	6.36	26.55	156	319	P	H
		5460.6	57.01	-11.19	68.2	45.26	31.94	6.36	26.55	156	319	P	H
		5458.85	46.88	-7.12	54	35.13	31.94	6.36	26.55	156	319	A	H
	*	5610	102.98	-	-	91.15	31.98	6.45	26.6	156	319	P	H
	*	5610	94.89	-	-	83.06	31.98	6.45	26.6	156	319	A	H
		5728.145	62.35	-5.85	68.2	50.14	32.31	6.55	26.65	156	319	P	H
		5382.2	51.78	-22.22	74	40.21	31.79	6.32	26.54	232	280	P	V
		5470	54.18	-14.02	68.2	42.39	31.98	6.37	26.56	232	280	P	V
		5459.2	44.57	-9.43	54	32.82	31.94	6.36	26.55	232	280	A	V
	*	5610	102.62	-	-	90.79	31.98	6.45	26.6	232	280	P	V
	*	5610	94.39	-	-	82.56	31.98	6.45	26.6	232	280	A	V
		5727.515	61.84	-6.36	68.2	49.63	32.31	6.55	26.65	232	280	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (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)	
802.11ac VHT80 CH 106 5530MHz		11060	47.72	-26.28	74	52.91	40.4	10.18	55.77	-	-	P	H	
		16590	46.39	-21.81	68.2	49.61	39.81	12.36	55.39	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11060	47.87	-26.13	74	53.06	40.4	10.18	55.77	-	-	P	V
			16590	47.35	-20.85	68.2	50.57	39.81	12.36	55.39	-	-	P	V
														V
														V
														V
														V
													V	
													V	
													V	
													V	



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 )	
802.11ac VHT80 CH 122 5610MHz		11220	48.99	-25.01	74	54.73	39.78	10.25	55.77	205	0	P	H	
		11220	38.83	-15.17	54	44.57	39.78	10.25	55.77	205	0	A	H	
		16830	46.89	-21.31	68.2	49.47	40.53	12.5	55.61	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11220	49.02	-24.98	74	54.76	39.78	10.25	55.77	115	359	P	V
			11220	38.89	-15.11	54	44.63	39.78	10.25	55.77	115	359	A	V
			16830	46.96	-21.24	68.2	49.54	40.53	12.5	55.61	-	-	P	V
														V
														V
														V
														V
														V
													V	
													V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> <li>The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.</li> </ol>													



**Band 3 - Straddle Channel**  
**WIFI 802.11a (Harmonic @ 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 CH 144 5720MHz		11440	48.99	-25.01	74	54.4	40.02	10.35	55.78	201	0	P	H	
		11440	39.23	-14.77	54	44.64	40.02	10.35	55.78	201	0	A	H	
		17160	48.18	-20.02	68.2	51	40.46	12.78	56.06	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11440	49.13	-24.87	74	54.54	40.02	10.35	55.78	248	18	P	V
			11440	39.55	-14.45	54	44.96	40.02	10.35	55.78	248	18	A	V
			17160	48.35	-19.85	68.2	51.17	40.46	12.78	56.06	-	-	P	V
														V
														V
														V
														V
														V
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



**Band 3 - Straddle Channel**  
**WIFI 802.11n 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 144 5720MHz		11440	49.51	-24.49	74	54.92	40.02	10.35	55.78	196	0	P	H	
		11440	39.2	-14.8	54	44.61	40.02	10.35	55.78	196	0	A	H	
		17160	47.67	-20.53	68.2	50.49	40.46	12.78	56.06	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11440	49.74	-24.26	74	55.15	40.02	10.35	55.78	253	23	P	V
			11440	39.27	-14.73	54	44.68	40.02	10.35	55.78	253	23	A	V
			17160	47.59	-20.61	68.2	50.41	40.46	12.78	56.06	-	-	P	V
														V
														V
														V
														V
														V
													V	
													V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



**Band 3 - Straddle Channel**  
**WIFI 802.11n HT40 (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 HT40 CH 142 5710MHz		11420	48.71	-25.29	74	54.19	39.96	10.34	55.78	192	1	P	H	
		11420	38.39	-15.61	54	43.87	39.96	10.34	55.78	192	1	A	H	
		17130	47.62	-20.58	68.2	50.46	40.43	12.74	56.01	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			11420	48.54	-25.46	74	54.02	39.96	10.34	55.78	323	351	P	V
			11420	38.23	-15.77	54	43.71	39.96	10.34	55.78	323	351	A	V
			17130	47.98	-20.22	68.2	50.82	40.43	12.74	56.01	-	-	P	V
														V
														V
														V
														V
														V
														V
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



**Band 3 - Straddle Channel**  
**WIFI 802.11ac VHT80 (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 )	
802.11ac VHT80 CH 138 5690MHz		11380	48.33	-25.67	74	53.93	39.86	10.32	55.78	207	2	P	H	
		11380	38.48	-15.52	54	44.08	39.86	10.32	55.78	207	2	A	H	
		17070	47.7	-20.5	68.2	50.49	40.43	12.68	55.9	-	-	P	H	
													H	
													H	
													H	
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													H	
													H	
			11380	48.05	-25.95	74	53.65	39.86	10.32	55.78	208	338	P	V
			11380	38.18	-15.82	54	43.78	39.86	10.32	55.78	208	338	A	V
			17070	47.67	-20.53	68.2	50.46	40.43	12.68	55.9	-	-	P	V
														V
														V
														V
														V
														V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													





Emission below 1GHz  
WIFI 802.11n HT40 (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 )	
802.11n HT40 LF		30	21.41	-18.59	40	28.46	24.57	0.72	32.34	-	-	P	H	
		124.09	26.19	-17.31	43.5	39.79	17.56	1.14	32.3	-	-	P	H	
		213.33	23.17	-20.33	43.5	39.15	14.88	1.39	32.25	-	-	P	H	
		314.21	29.16	-16.84	46	40.32	19.37	1.63	32.16	-	-	P	H	
		754.59	29.02	-16.98	46	31.15	27.69	2.33	32.15	-	-	P	H	
		956.35	33.21	-12.79	46	31.08	30.62	2.57	31.06	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
			30	21.86	-18.14	40	28.91	24.57	0.72	32.34	-	-	P	V
			107.6	25.33	-18.17	43.5	39.92	16.65	1.08	32.32	-	-	P	V
			120.21	29.62	-13.88	43.5	43.29	17.5	1.13	32.3	-	-	P	V
			183.26	24.57	-18.93	43.5	40.75	14.82	1.27	32.27	-	-	P	V
			630.43	27.12	-18.88	46	31.24	25.88	2.23	32.23	-	-	P	V
			956.35	32.55	-13.45	46	30.42	30.62	2.57	31.06	-	-	P	V
														V
													V	
													V	
													V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.													



**Note symbol**

*	<b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is <b>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.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 36		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
5180MHz													

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

**For Peak Limit @ 5150MHz:**

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



1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)+Duty factor
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 Average Limit @ 5150MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
= 43.54 (dBμV/m)
2. 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 :	Yuan Lee, Jacky Hong, Wilson Wu and Peter Liao	Temperature :	20~25°C
		Relative Humidity :	40~60%

### Note symbol

-L	Low channel location
-R	High channel location



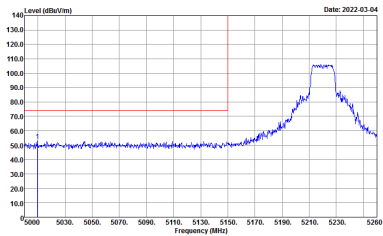
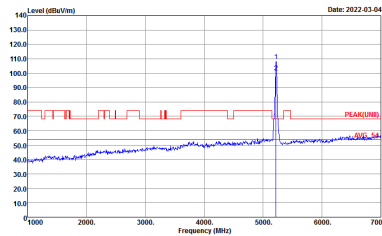
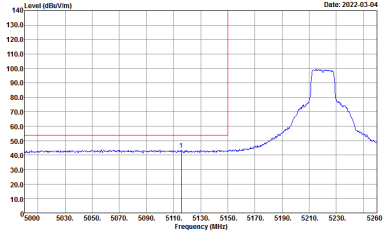
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
<b>1</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>		
<b>Avg.</b>		<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_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



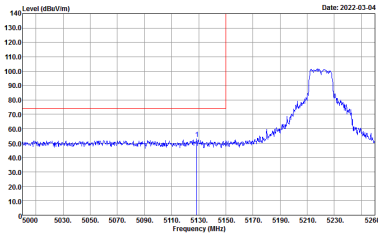
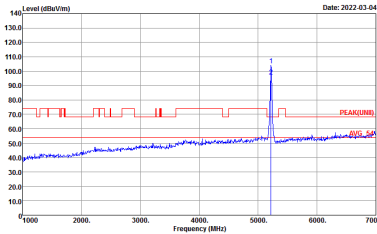
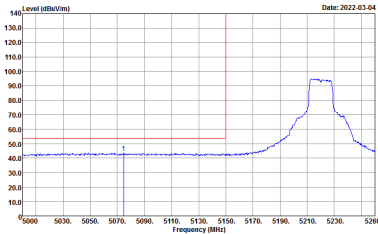
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



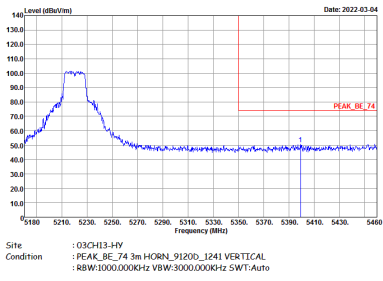
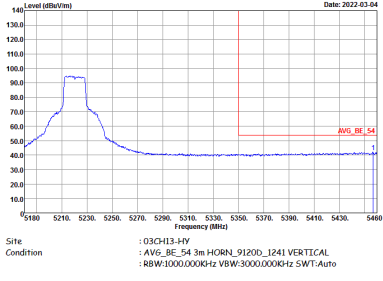


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

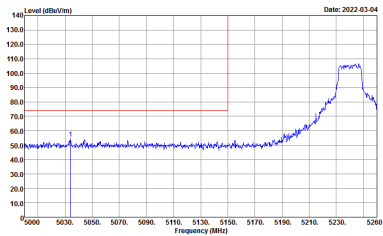
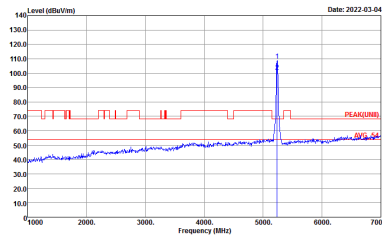
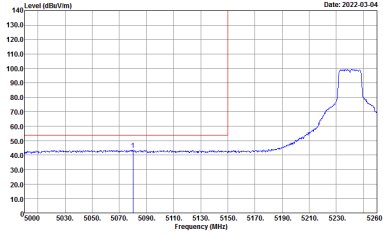


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

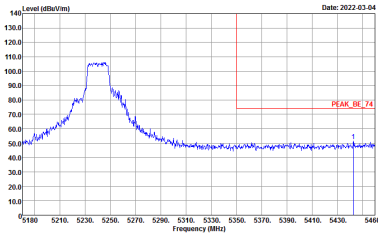
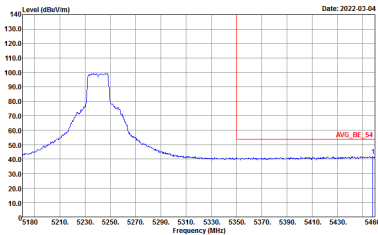


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



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_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

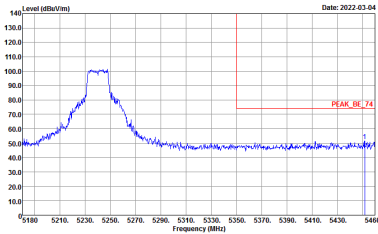
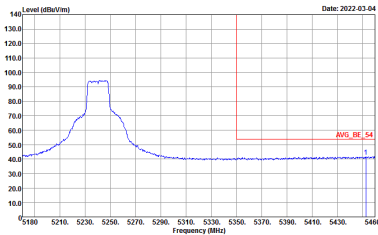


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



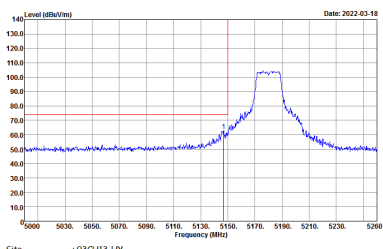
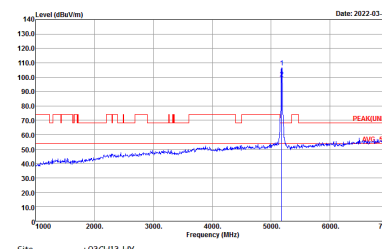
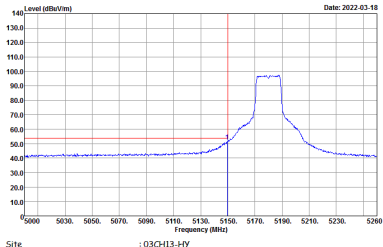
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

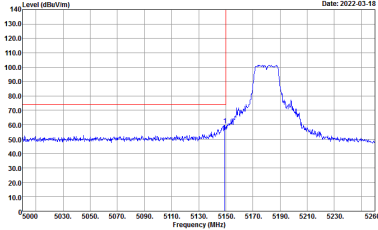
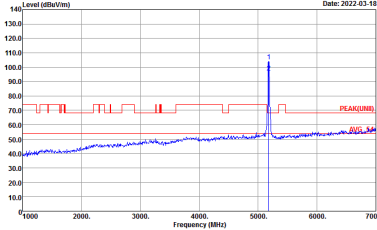
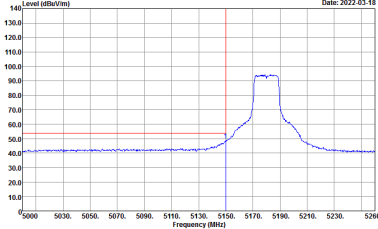


**Band 1 5150~5250MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

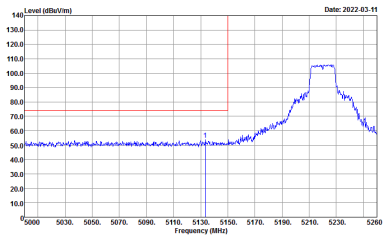
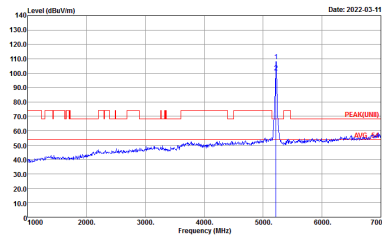
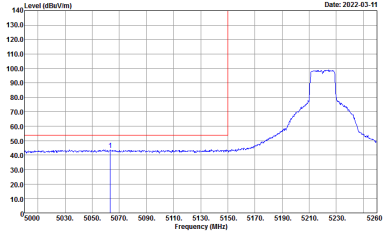
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



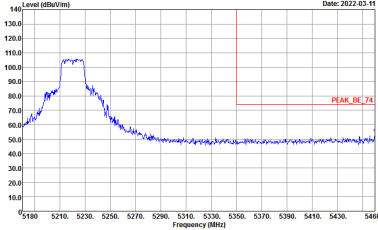
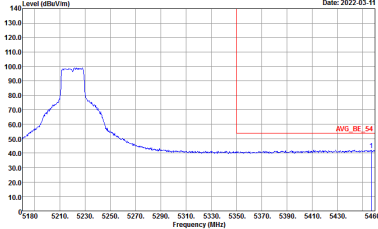


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz 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_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

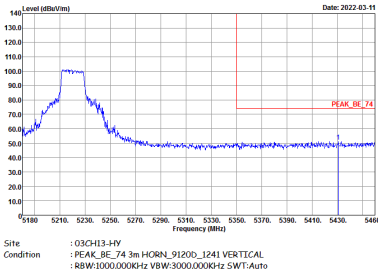
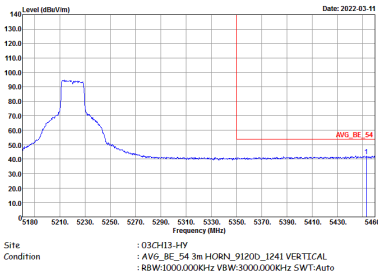


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

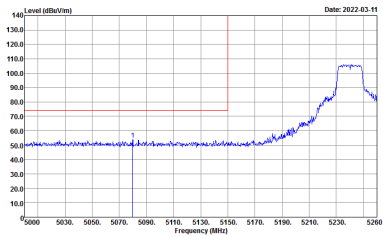
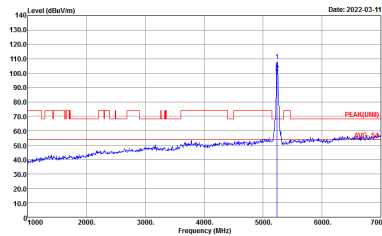
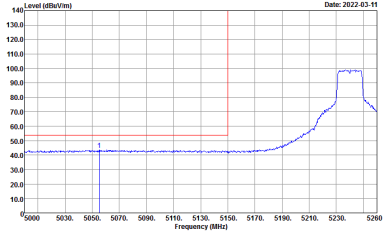


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

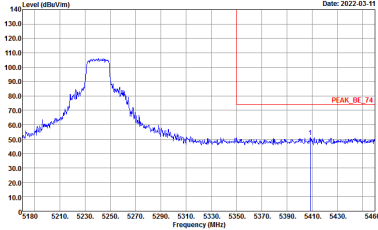
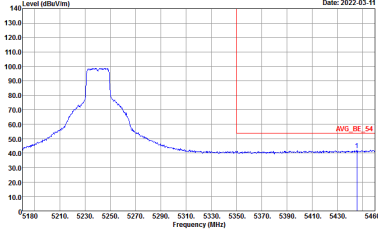


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



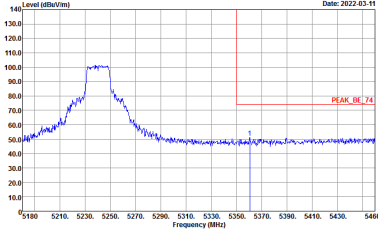
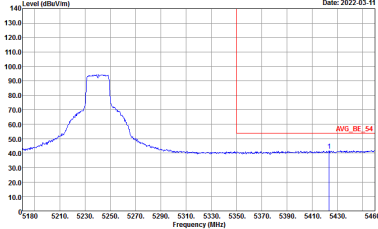
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz 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_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

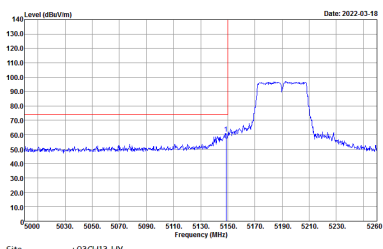
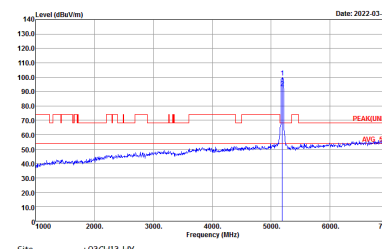
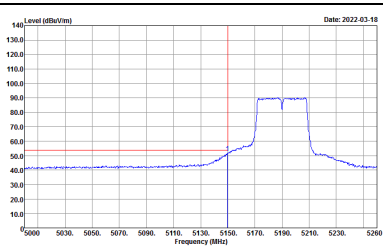




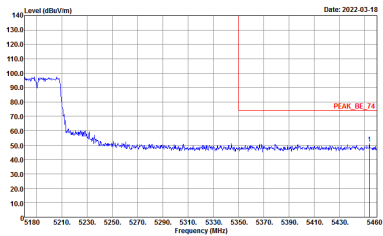
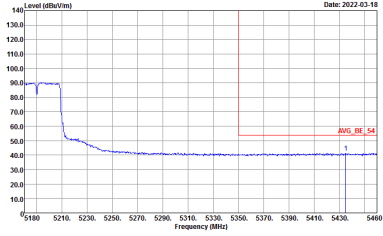
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



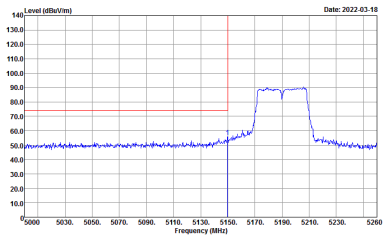
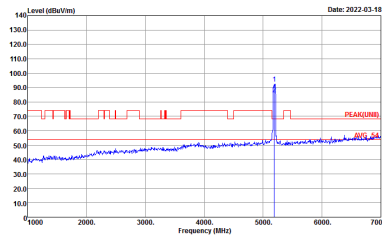
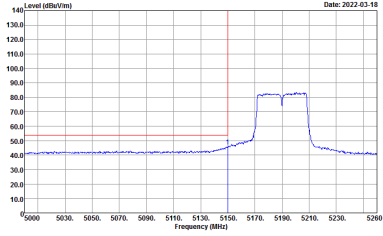
**Band 1 5150~5250MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



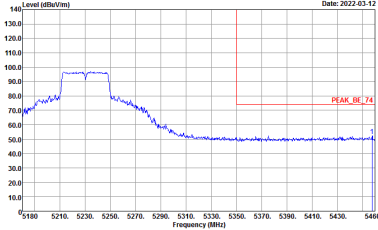
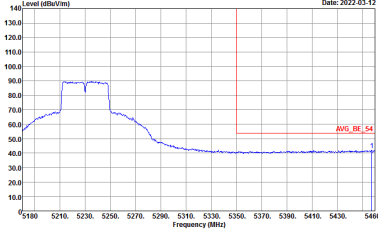
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

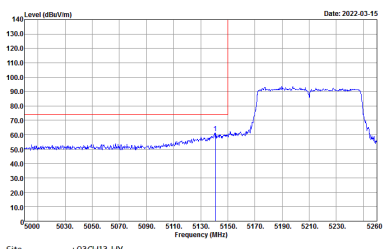
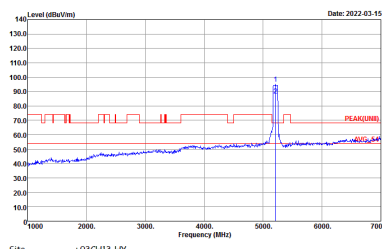
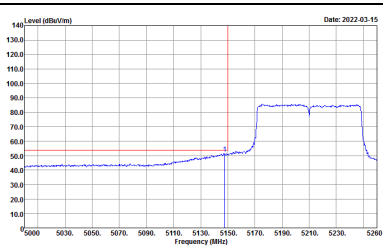




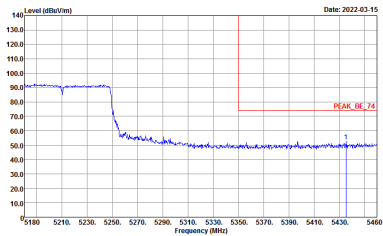
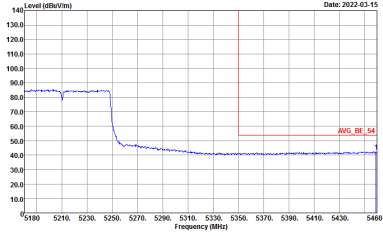
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



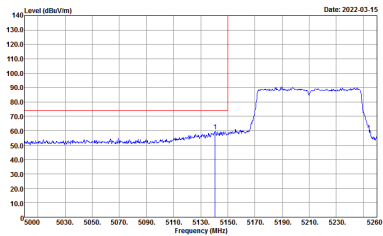
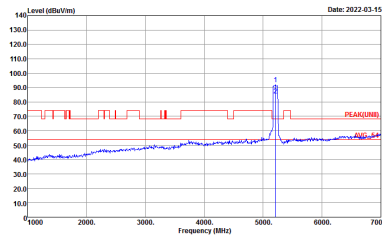
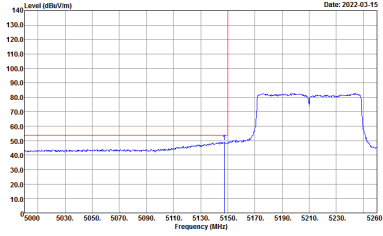
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2022-03-15</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Date: 2022-03-15</p> <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



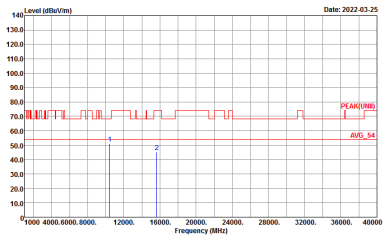
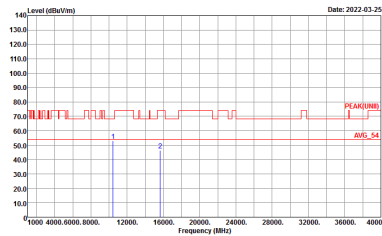
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



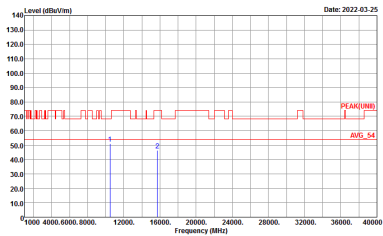
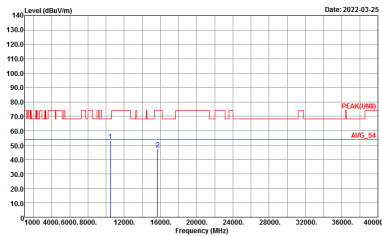
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11a CH36 5180MHz</b>	
<b>1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH13-HY          Condition : PEAK[UNII] 3m HORN_91200_1241 HORIZONTAL          Detector : Peak</p>	<p>Site : 03CH13-HY          Condition : PEAK[UNII] 3m HORN_91200_1241 VERTICAL          Detector : Peak</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNEI) 3m HORN_91200_1241 HORIZONTAL          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNEI) 3m HORN_91200_1241 VERTICAL          Detector : Peak</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_1241 HORIZONTAL          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNEI) 3m HORN_91200_1241 VERTICAL          Detector : Peak</p>





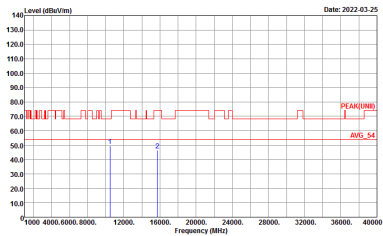
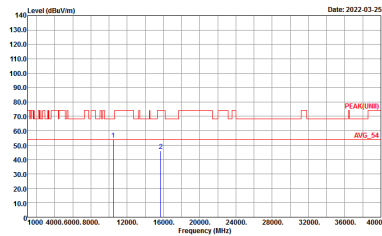
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

Table with 3 columns: WIFI, ANT, and measurement results for Horizontal and Vertical antennas. Includes two graphs showing Level (dBuV/m) vs Frequency (MHz) with Peak and Avg. values.



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_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



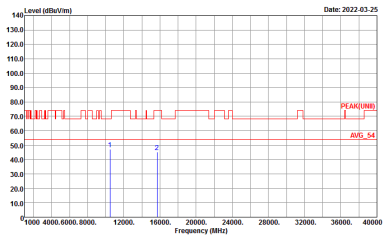
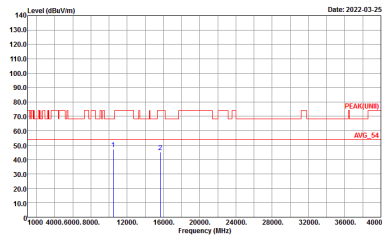
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNEI) 3m HORN_91200_1241 HORIZONTAL          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNEI) 3m HORN_91200_1241 VERTICAL          Detector : Peak</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-4Y Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-4Y Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL          Detector : Peak</p>



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

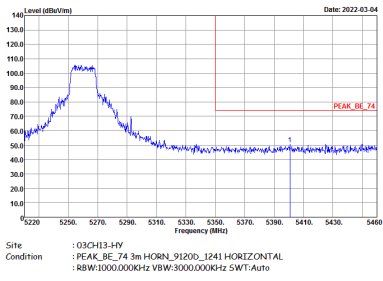
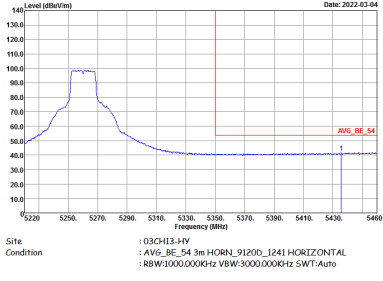
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-4Y Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-4Y Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



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

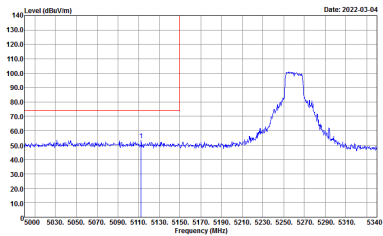
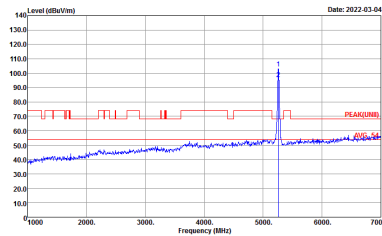
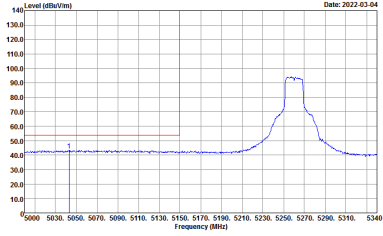
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
<b>1</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH13-HY            Condition : PEAK(FUND) 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	<p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<b>Left blank</b>



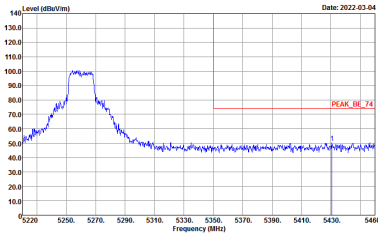
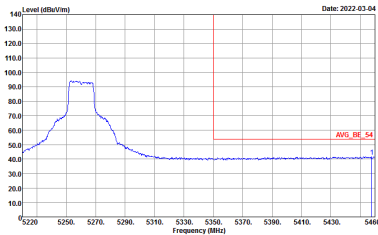
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



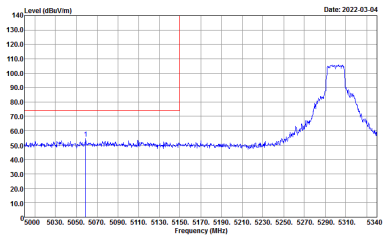
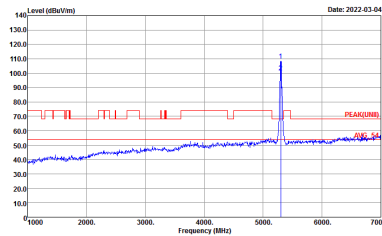
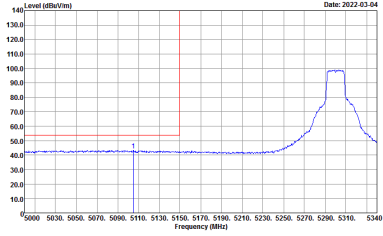


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

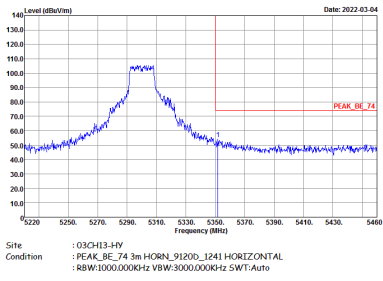
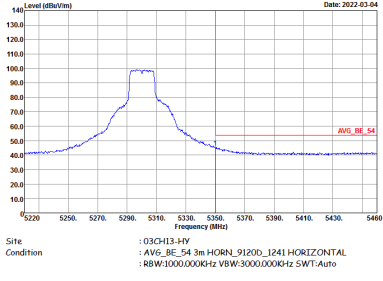


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

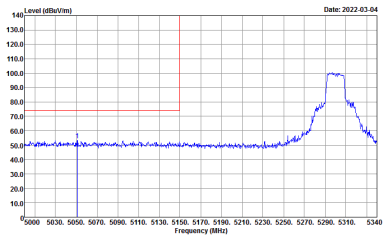
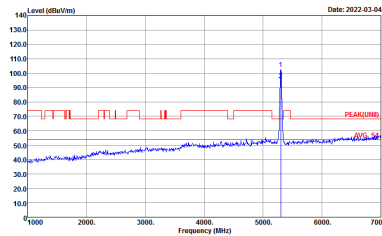
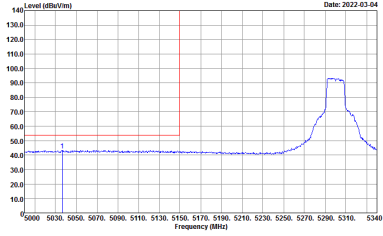


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

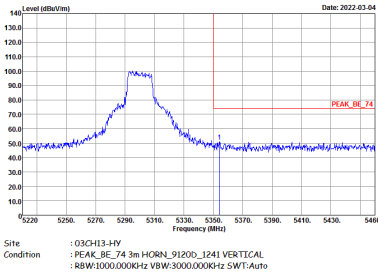
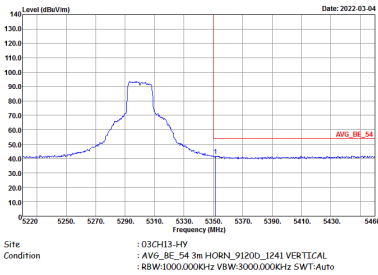


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

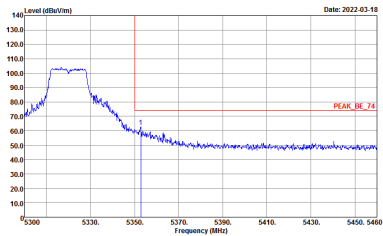
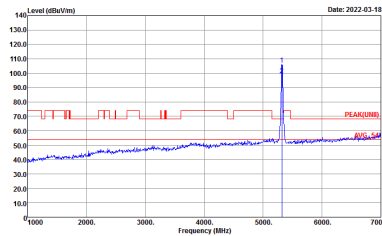
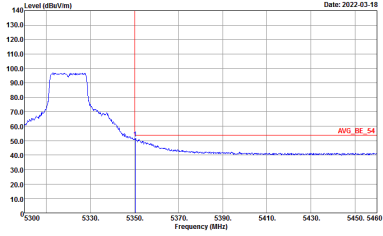


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

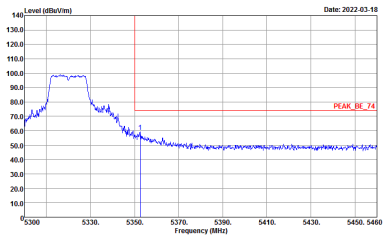
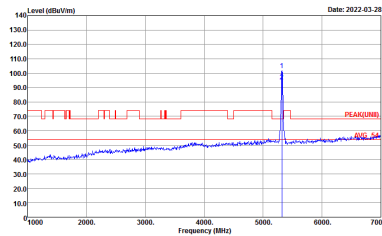
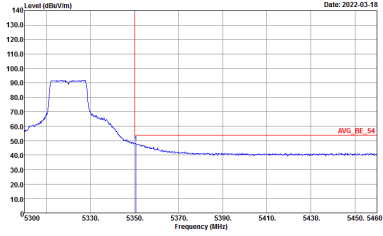


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing a peak at 5320 MHz. The peak level is approximately 100 dBµV/m. The plot includes a red vertical line at 5320 MHz and a red horizontal line labeled 'PEAK_BE_74' at approximately 75 dBµV/m. The x-axis ranges from 5300 to 5460 MHz, and the y-axis ranges from 10.0 to 140.0 dBµV/m.</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL            Detector : Peak</p>	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing a peak at 5320 MHz. The peak level is approximately 110 dBµV/m. The plot includes a red vertical line at 5320 MHz and a red horizontal line labeled 'PEAK(LINE)' at approximately 75 dBµV/m. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from 10.0 to 140.0 dBµV/m.</p> <p>Site : 03CH13-HY            Condition : PEAK(LINE) 3m HORN_91200_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing an average level at 5320 MHz. The average level is approximately 50 dBµV/m. The plot includes a red vertical line at 5320 MHz and a red horizontal line labeled 'AVG_BE_54' at approximately 55 dBµV/m. The x-axis ranges from 5300 to 5460 MHz, and the y-axis ranges from 10.0 to 140.0 dBµV/m.</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL            Detector : Trace Average</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 <p>Date: 2022-03-18</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak</p>	 <p>Date: 2022-03-28</p> <p>Site : 03CH13-HY Condition : PEAK(FUN) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Date: 2022-03-18</p> <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Trace Average</p>	Left blank

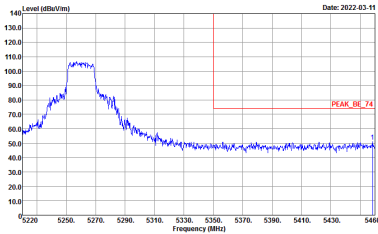
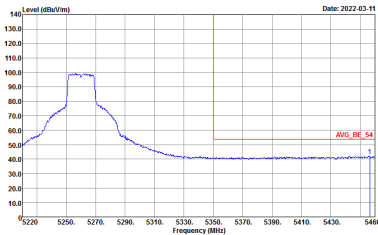




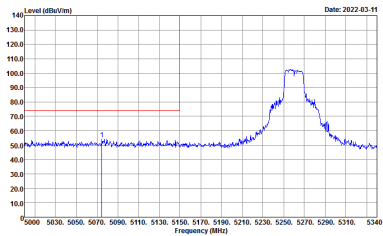
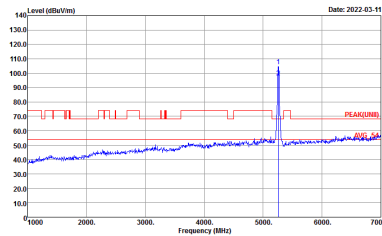
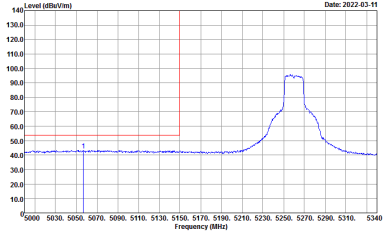
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
<b>Avg.</b>	<p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



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_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

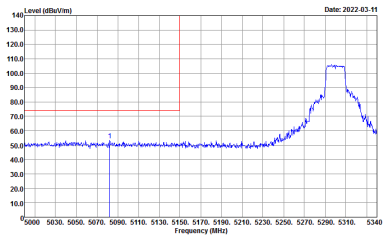
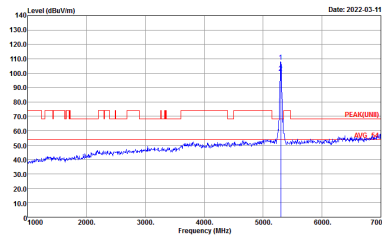
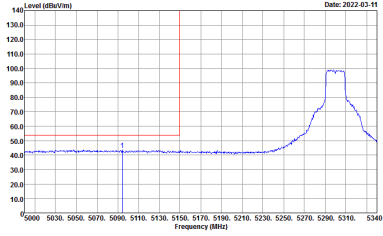


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz 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>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

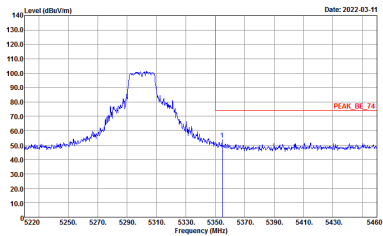
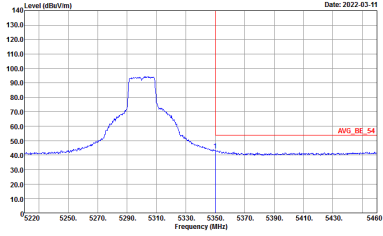


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
<p><b>Peak</b></p>		<p>Left blank</p>
<p><b>Avg.</b></p>		<p>Left blank</p>



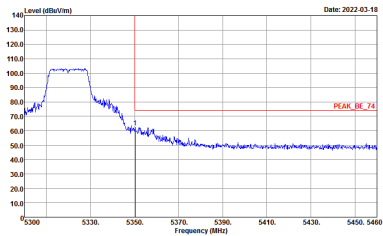
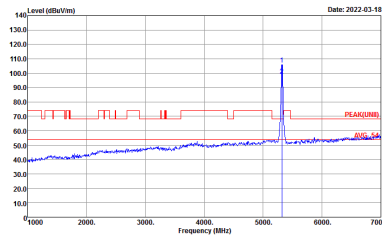
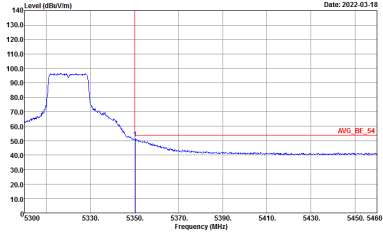
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



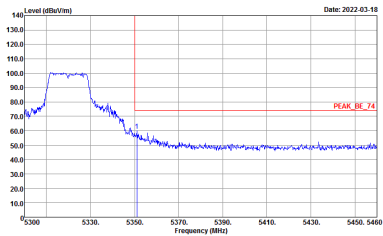
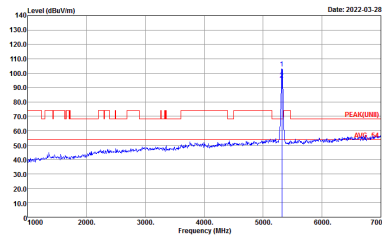
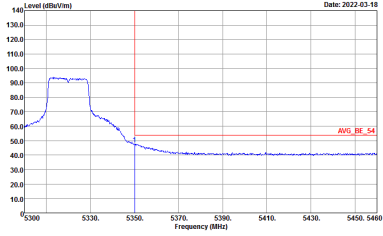
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank





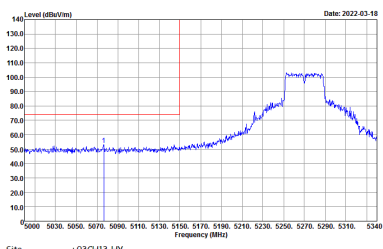
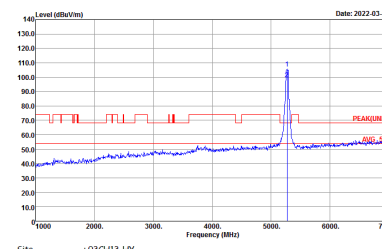
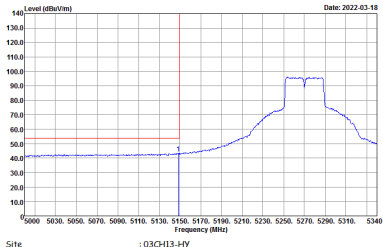
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing a peak at 5320 MHz. The y-axis ranges from 10.0 to 140.0 dBµV/m, and the x-axis ranges from 5300 to 5460 MHz. A red vertical line marks the peak at 5320 MHz. A red horizontal line indicates the peak level at approximately 75 dBµV/m, labeled 'PEAK_BE_74'.</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing a sharp peak at 5320 MHz. The y-axis ranges from 10.0 to 140.0 dBµV/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5320 MHz. A red horizontal line indicates the peak level at approximately 75 dBµV/m, labeled 'PEAK(LINE)'. A blue horizontal line indicates the average level at approximately 55 dBµV/m, labeled 'AVG_54'.</p> <p>Site : 03CH13-HY            Condition : PEAK(LINE) 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Level (dBµV/m) vs Frequency (MHz) plot showing the average level of the signal. The y-axis ranges from 10.0 to 140.0 dBµV/m, and the x-axis ranges from 5300 to 5460 MHz. A red vertical line marks the peak at 5320 MHz. A red horizontal line indicates the average level at approximately 55 dBµV/m, labeled 'AVG_BE_54'.</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Trace Average</p>	Left blank



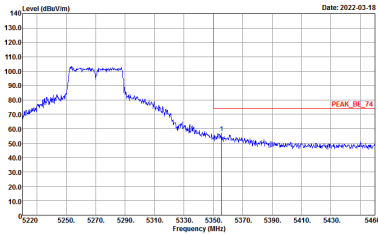
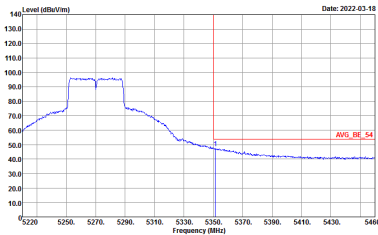
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 5320 MHz. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5300 to 5460 MHz. A red vertical line marks the peak at 5320 MHz, labeled 'PEAK_BE_74'. The plot shows a signal level of approximately 100 dBuV/m at 5320 MHz, dropping to about 50 dBuV/m at 5350 MHz.</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL Detector : Peak</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 5320 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 5320 MHz, labeled 'PEAK(LINE)'. The plot shows a signal level of approximately 100 dBuV/m at 5320 MHz, with a noise floor around 50 dBuV/m.</p> <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average signal. The y-axis ranges from 10.0 to 140.0 dBuV/m, and the x-axis ranges from 5300 to 5460 MHz. A red vertical line marks the average at 5320 MHz, labeled 'AVG_BE_54'. The plot shows a signal level of approximately 100 dBuV/m at 5320 MHz, dropping to about 50 dBuV/m at 5350 MHz.</p> <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL Detector : Trace Average</p>	Left blank



**Band 2 5250~5350MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<b>Left blank</b>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

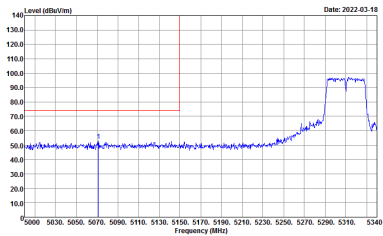
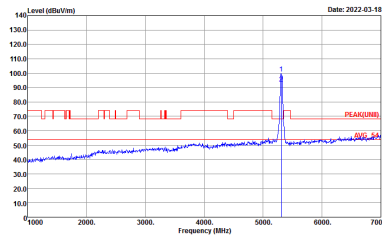
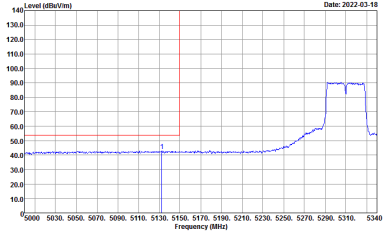


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Vertical	Vertical
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1	Vertical	Vertical
Peak		Left blank
Avg.		Left blank



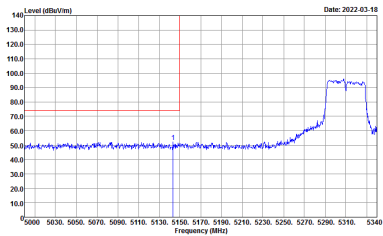
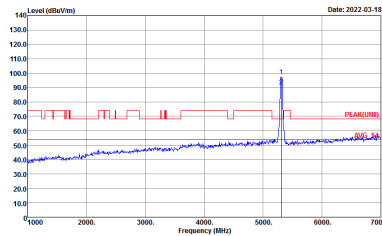
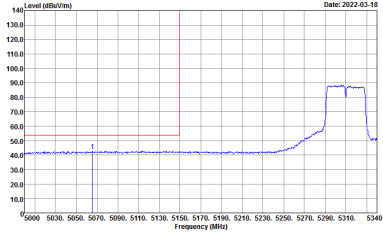
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



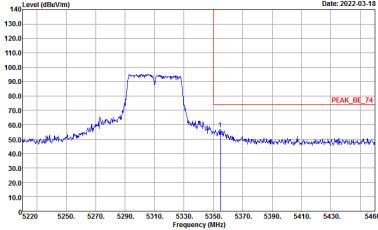
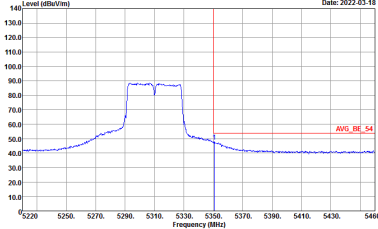
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank





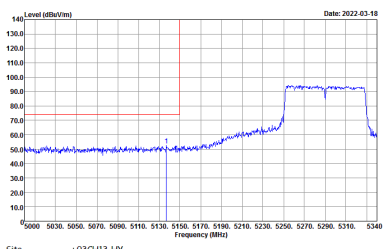
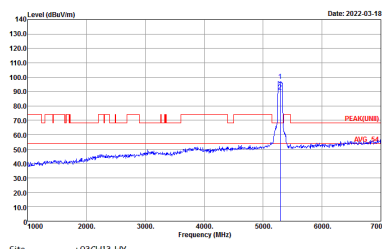
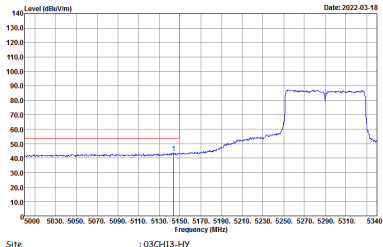
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



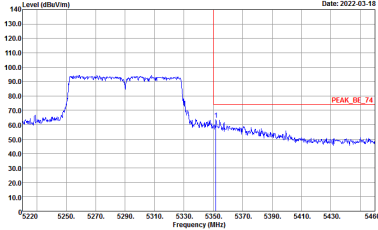
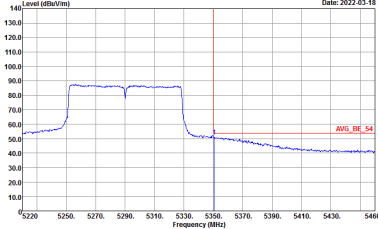
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



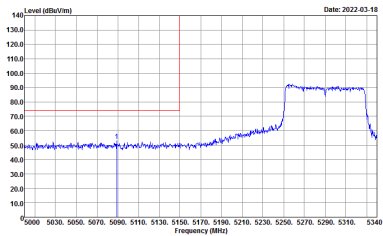
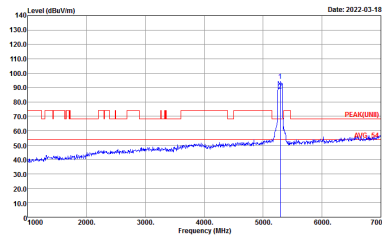
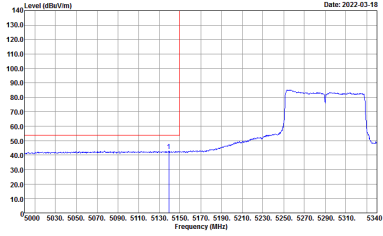
**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1241 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_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



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

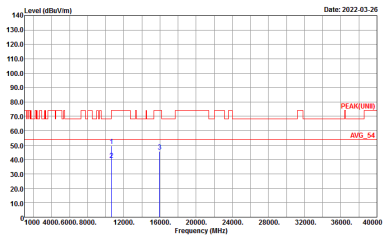
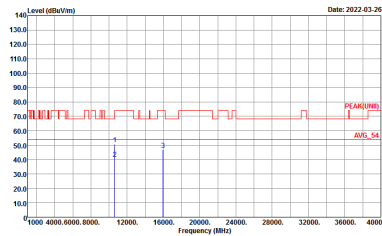
<b>WIFI</b>	<b>Band 2 5250~5350MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11a CH52 5260MHz</b>	
<b>1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Trace Average</p>





WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Trace Average</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Trace Average</p>



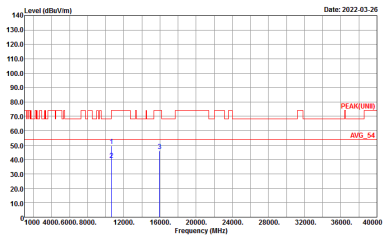
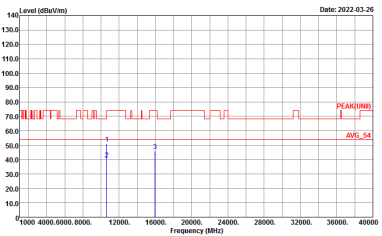
**Band 2 5250~5350MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-4Y Condition : PEAK(UWB) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>	<p>Site : 03CH13-4Y Condition : PEAK(UWB) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Trace Average</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Trace Average</p>



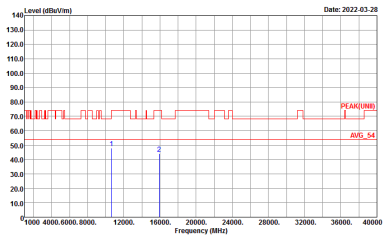
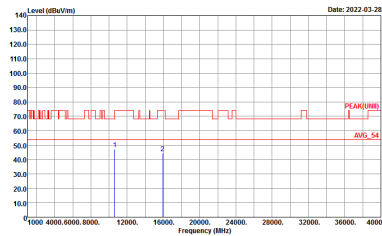
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Trace Average</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Trace Average</p>



**Band 2 5250~5350MHz  
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-4Y Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-4Y Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNEI) 3m HORN_91200_1241 HORIZONTAL          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNEI) 3m HORN_91200_1241 VERTICAL          Detector : Peak</p>



**Band 2 5250~5350MHz  
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-4Y Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-4Y Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>

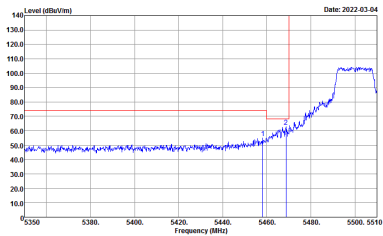
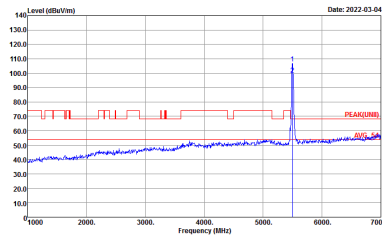
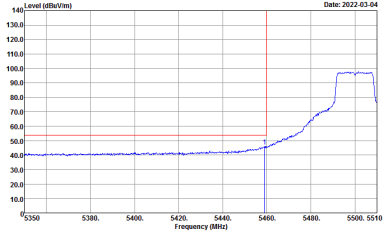


**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
<b>1</b>	<b>Horizontal</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH13-HY            Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_91200_1241 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_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT: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: 2022-03-04</p> <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Date: 2022-03-04</p> <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Date: 2022-03-04</p> <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz 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_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz 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_DB(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWF:Auto</p>	Left blank

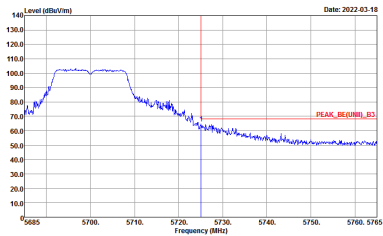
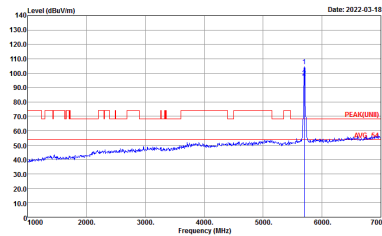


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz 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_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p> <p>Date: 2022-03-04</p>	Left blank



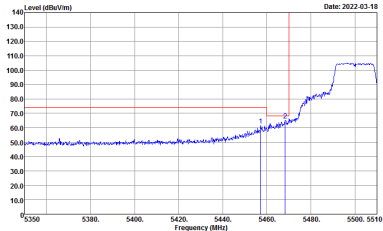
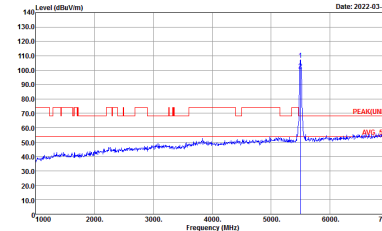
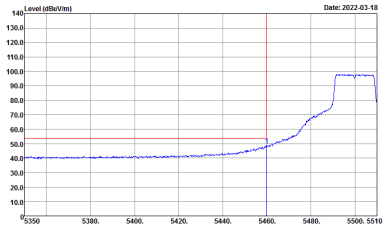
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 <p>Date: 2022-03-18</p> <p>Site : 03CH13-HY Condition : -PEAK_BE[UNIT]_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Date: 2022-03-18</p> <p>Site : 03CH13-HY Condition : -PEAK[LINE] 3m HORN_91200_1241 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_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

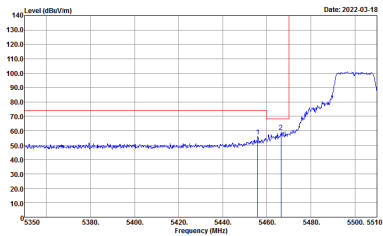
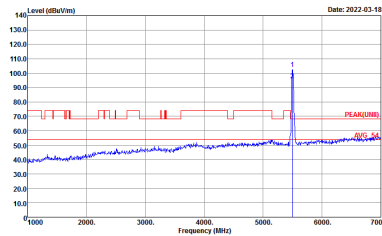
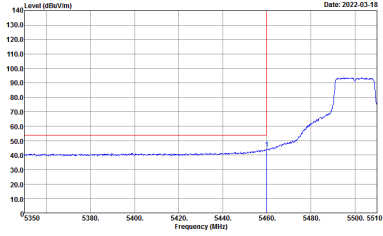


**Band 3 5470~5725MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)**

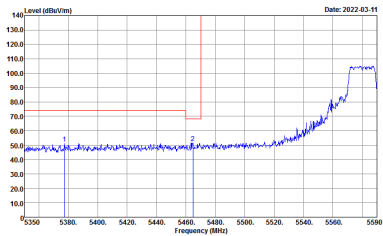
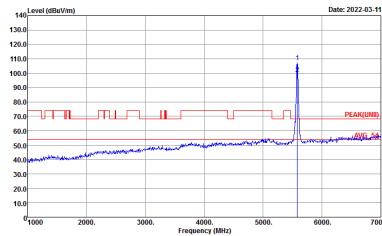
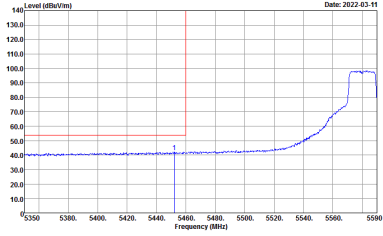
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
<b>Avg.</b>	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



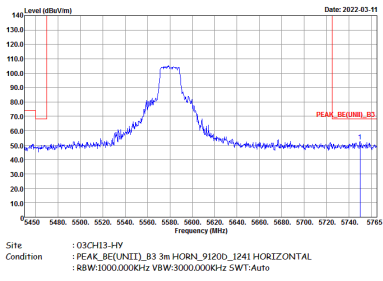


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

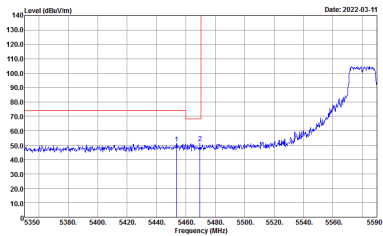
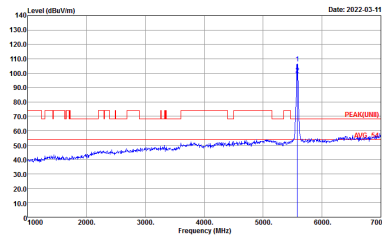
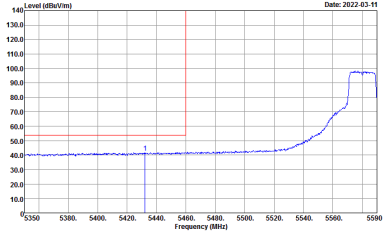


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

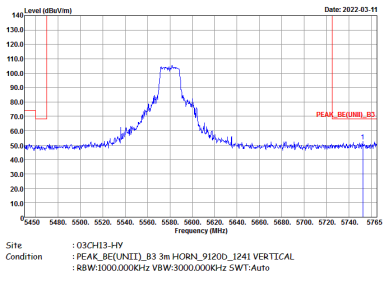


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 09CH13-HV Condition : PEAK_DB(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank

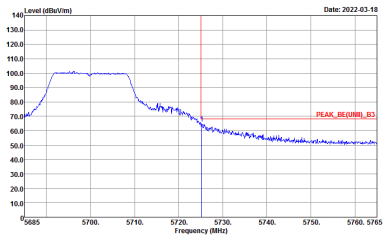
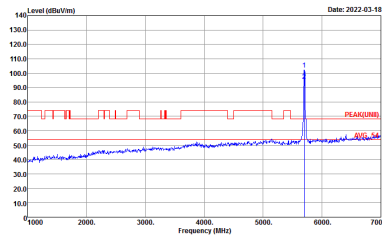


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

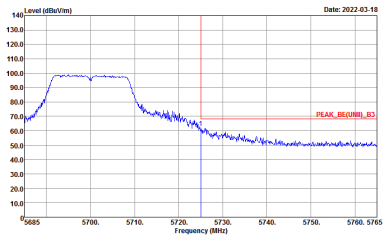
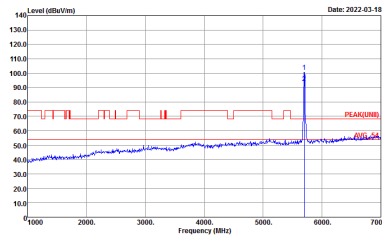


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HV Condition : PEAK_DB(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



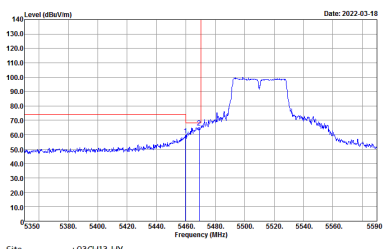
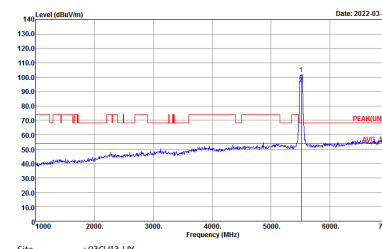
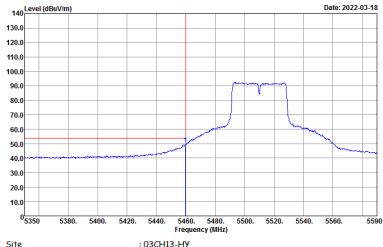
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE[UNIT]_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK[LINE] 3m HORN_91200_1241 HORIZONTAL : 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_1241 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY          Condition : PEAK(LINE) 3m HORN_91200_1241 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>

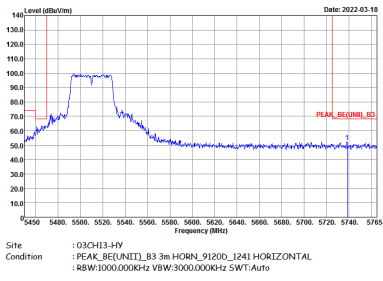


**Band 3 5470~5725MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)**

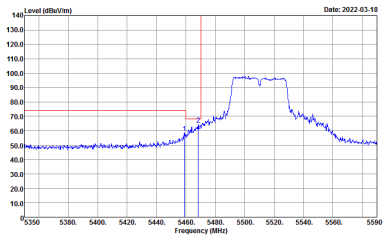
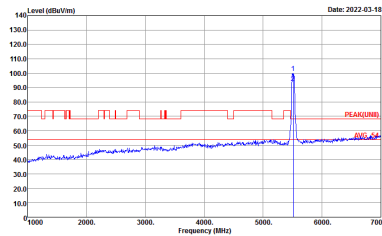
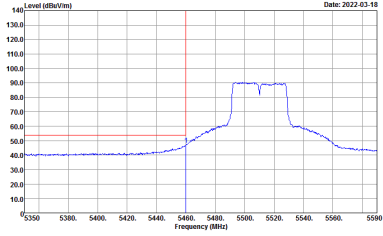
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 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_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank





WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p> <p>Date: 2022-03-18</p>	Left blank

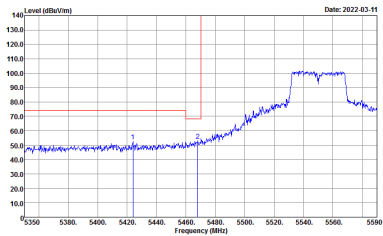
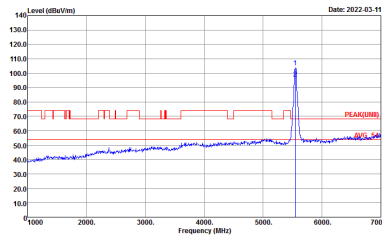
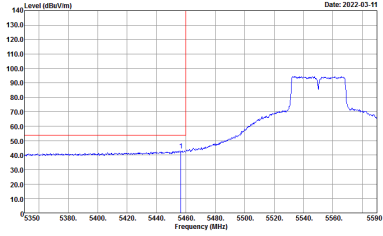


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank

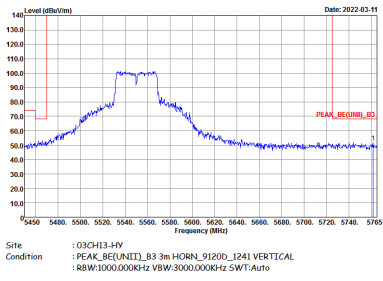


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 09CH13-HV Condition : PEAK_DB(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank

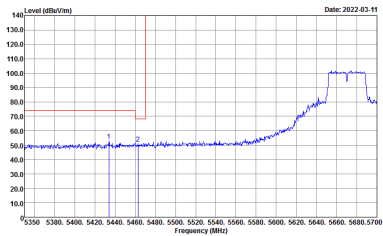
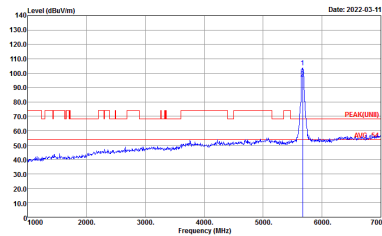
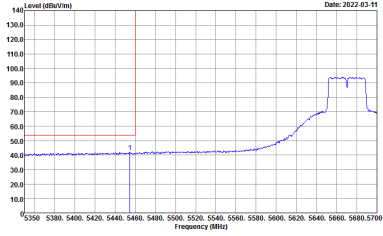


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



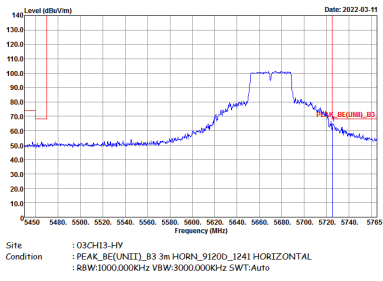
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



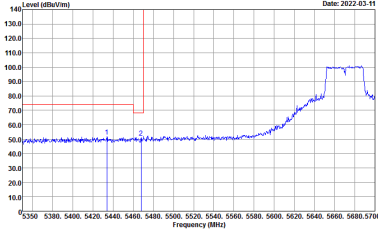
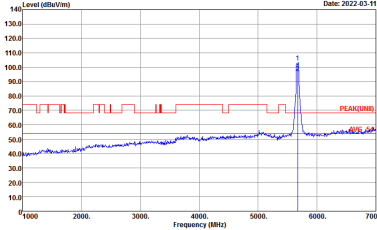
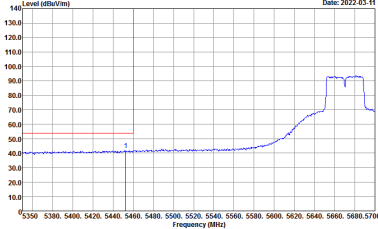
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



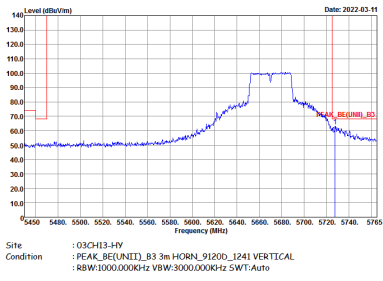


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 09CH13-HV Condition : PEAK_SE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



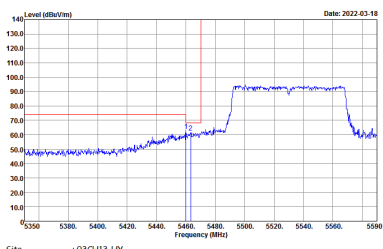
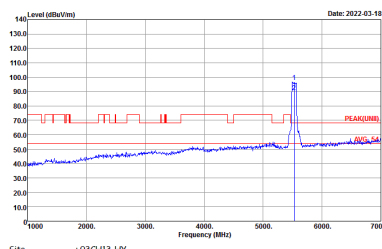
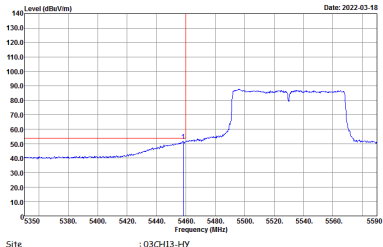
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HV Condition : PEAK_03(UNIT)_03 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



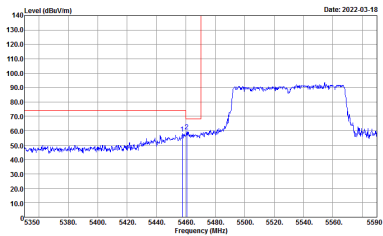
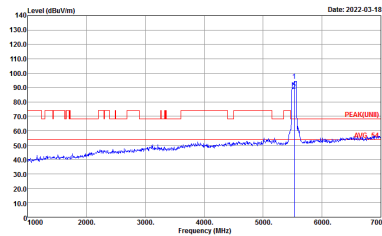
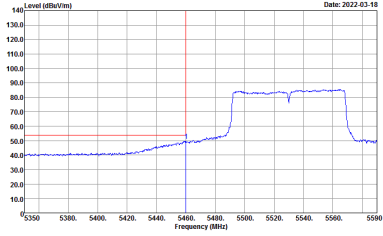
**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH13-HY            Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_91200_1241 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_1241 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak	<p>Level (dBuV/m)</p> <p>Date: 2022-03-18</p> <p>Frequency (MHz)</p> <p>Site : 09CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank

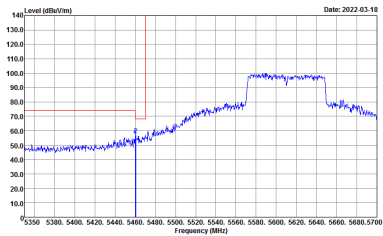
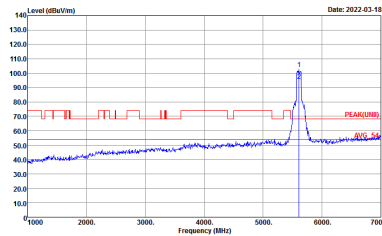
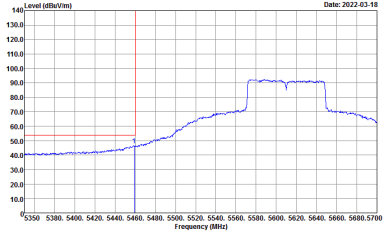


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HV Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



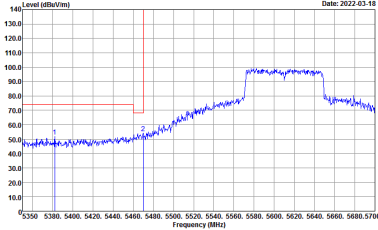
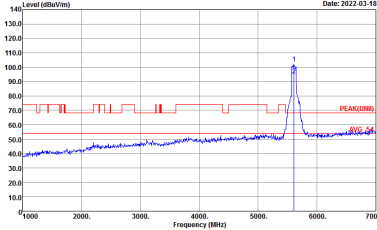
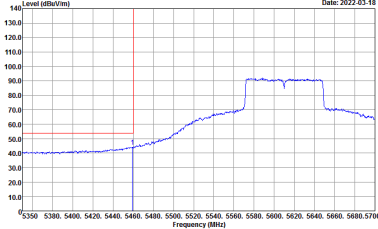
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank





WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 09CH13-HV Condition : PEAK_BC(UNIT)_B3 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Vertical	Fundamental
Peak	<p>Level (dBuV/m)</p> <p>Date: 2022-03-18</p> <p>Frequency (MHz)</p> <p>Site : 09CH13-HV Condition : PEAK_SE(UNIT)_B3 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWF:Auto</p>	Left blank



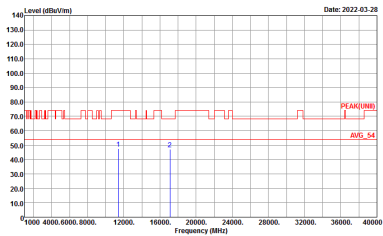
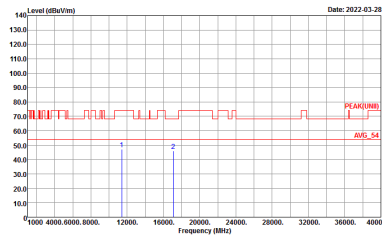
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

Table with 2 columns: Horizontal and Vertical. Each column contains a spectral plot showing Level (dBuV/m) vs Frequency (MHz) with Peak and Avg. markers. Includes site and condition details for both orientations.



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAR([UNEI]) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAR([UNEI]) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



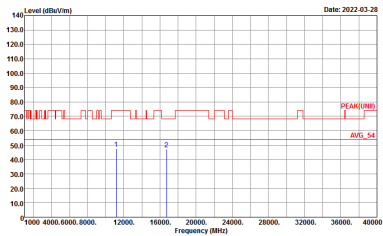
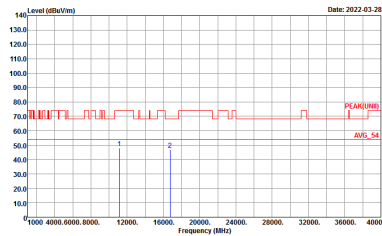
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY          Condition : PEAR([UNEI]) 3m HORN_91200_1241 HORIZONTAL          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAR([UNEI]) 3m HORN_91200_1241 VERTICAL          Detector : Peak</p>



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

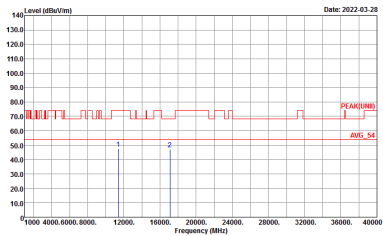
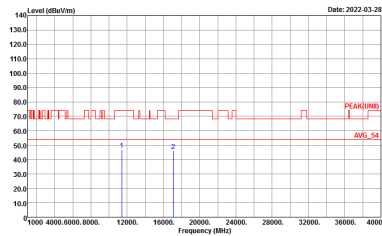
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-4Y Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-4Y Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Trace Average</p>



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_1241 HORIZONTAL          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL          Detector : Peak</p>





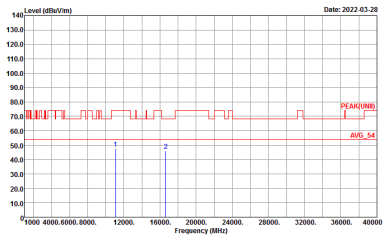
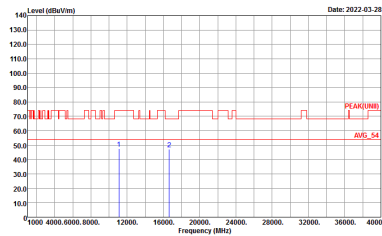
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNEI) 3m HORN_91200_1241 HORIZONTAL          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNEI) 3m HORN_91200_1241 VERTICAL          Detector : Peak</p>



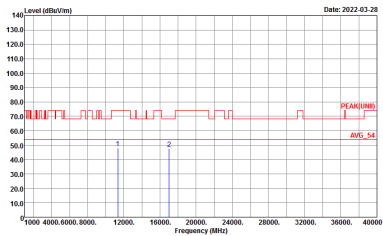
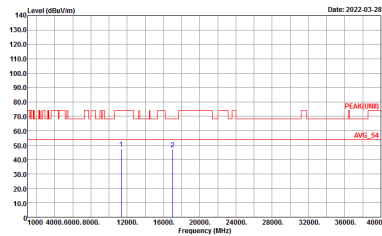
**Band 3 5470~5725MHz  
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Trace Average</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



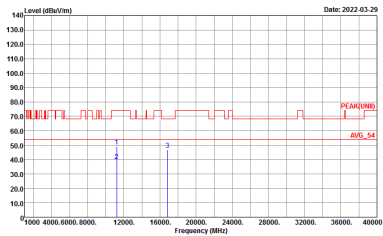
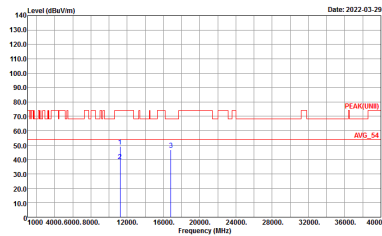
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAR([UNEI]) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH13-HY Condition : PEAR([UNEI]) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



**Band 3 5470~5725MHz  
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL Detector : Trace Average</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL Detector : Trace Average</p>



Band 3 - Straddle Channel  
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Trunc Average</p> <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL Detector : Trunc Average</p>	



**Band 3 – Straddle Channel  
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL Detector : Trace Average</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Trace Average</p>





**Band 3 – Straddle Channel**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL            Detector : Trace Average</p>	<p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL            Detector : Trace Average</p>



**Band 3 – Straddle Channel**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL            Detector : Trace Average</p>	<p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL            Detector : Trace Average</p>



Emission below 1GHz  
5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	<b>Horizontal</b>	<b>Vertical</b>
QP / Peak	<p>Site : 03CH13-HY Condition : QP 3m BIL06_40103 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : QP 3m BIL06_40103 VERTICAL Detector : Peak</p>



## Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
802.11a	98.38	-	-	10Hz
5GHz 802.11n HT20	98.21	-	-	10Hz
5GHz 802.11n HT40	96.94	950	1.05	3kHz
5GHz 802.11ac VHT80	92.80	464	2.16	3kHz

