



# FCC RADIO TEST REPORT

FCC ID : EJE-WB0110  
Equipment : STYLISTIC Q509  
Brand Name : FUJITSU  
Model Name : MQ10B  
Applicant : FUJITSU CLIENT COMPUTING LIMITED  
1-1, Kamikodanaka 4-chome, Nakahara-ku,  
Kawasaki, 211-8588 Japan  
Manufacturer : FUJITSU LIMITED  
1-1, Kamikodanaka 4-chome, Nakahara-ku,  
Kawasaki, 211-8588 Japan  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jan. 17, 2019 and testing was started from Jan. 21, 2019 and completed on Feb. 18, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Jones Tsai

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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### History of this test report

Report No.	Version	Description	Issued Date
FR911733D	01	Initial issue of report	Mar. 12, 2019



### Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)	Maximum Conducted Output Power	Pass	-
3.2	15.407(b)	Unwanted Emissions	Pass	Under limit 0.68 dB at 5401.200 MHz
3.3	15.207	AC Conducted Emission	Pass	Under limit 19.72 dB at 0.186 MHz
3.4	15.203 15.407(a)	Antenna Requirement	Pass	-

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and Explanations:</b>
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Wii Chang**

**Report Producer: Nancy Yang**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, and Wi-Fi 5GHz 802.11a/n/ac

Product Specification subjective to this standard	
<b>Integrated WLAN Module</b>	Brand Name: Intel Model Name: 9560D2W
<b>Antenna Type</b>	WLAN: <Ant. 1> PIFA Antenna <Ant. 2> PIFA Antenna Bluetooth: PIFA Antenna

## 1.2 Modification of EUT

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

## 1.3 Testing Location

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

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

<b>Test Site</b>	SPORTON INTERNATIONAL INC.	
<b>Test Site Location</b>	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
<b>Test Site No.</b>	<b>Sporton Site No.</b>	
	03CH16-HY	

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

FCC Designation No. TW1190 and TW0007



## **1.4 Applicable Standards**

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

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

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.



## 2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane for Ant. 2, Y plane for Ant. 1 and Ant. 1+2) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

### 2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	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 <sup>*</sup>	5710		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5725 MHz 802.11ac VH160	50	5250	114	5570

Note:

1. The above Frequency and Channel in "\*" were 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel in "#n" were 802.11ac VHT80.

## 2.2 Test Mode

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

### Single Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0

### MIMO Mode

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + 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	-	-	-
H	High	-	-	-
Straddle		-	-	-

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	-	52	-
M	Middle	44	-	116
H	High	48	64	-
Straddle		-	-	-

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	-	102
M	Middle	-	-	-
H	High	46	62	134
Straddle		-	-	-

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	-	-	-
Straddle		-	-	-

Ch. #		Band I + II + III : 5150-5725MHz	
		802.11ac VHT160	802.11ac VHT160
L	Low	-	-
M	Middle	50	114
H	High	-	-
Straddle		-	-

### 2.3 Connection Diagram of Test System



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

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A

### 2.5 EUT Operation Test Setup

The RF test items, utility “DRTU” was installed in EUT 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.



### 3 Test Result

#### 3.1 Maximum Conducted Output Power Measurement

##### 3.1.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

**For the 5.15–5.25 GHz bands:**

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

**For the 5.25–5.725 GHz bands:**

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

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.

##### 3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

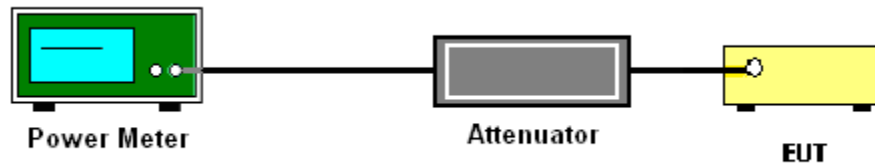
##### 3.1.3 Test Procedures

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

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor,  $10 \log(1/x)$ , where x is the duty cycle.

### 3.1.4 Test Setup



### 3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



### 3.2 Unwanted Emissions Measurement

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

#### 3.2.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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



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

- (i) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits 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.<sup>3</sup>
- (ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.<sup>4</sup>

**Note 3:** An out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit.

**Note 4:** Only devices with antenna gains of 10 dBi or less may be approved using the emission limits specified in Section 15.247(d) till March 2, 2018; all other devices operating in this band must use the mask specified in Section 15.407(b)(4)(i).

### 3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.2.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

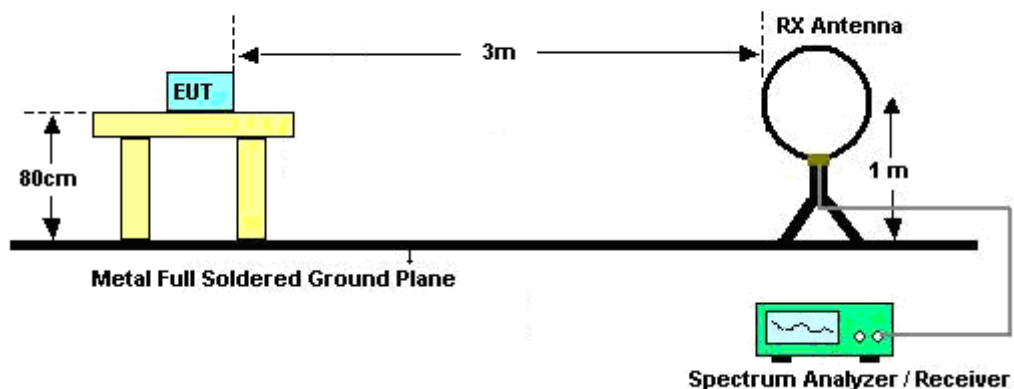
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

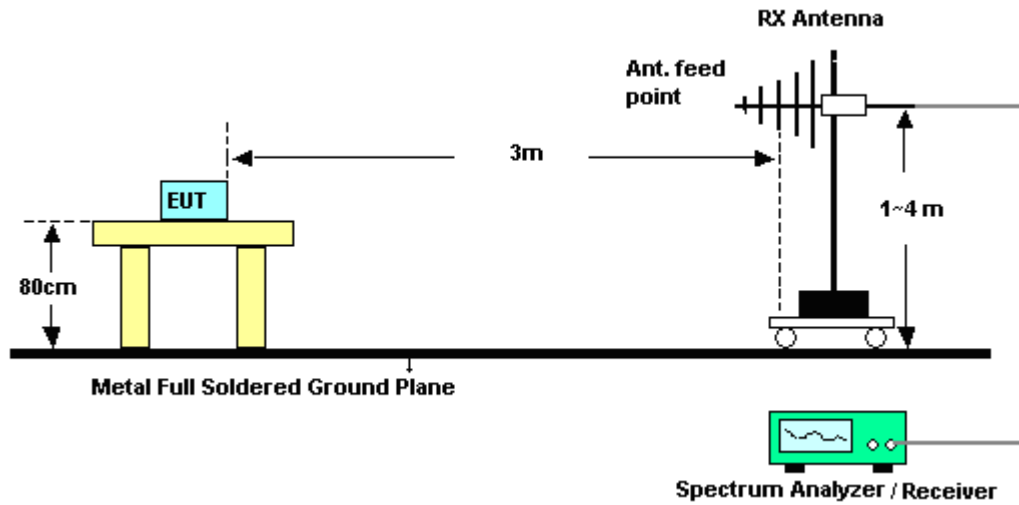
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

### 3.2.4 Test Setup

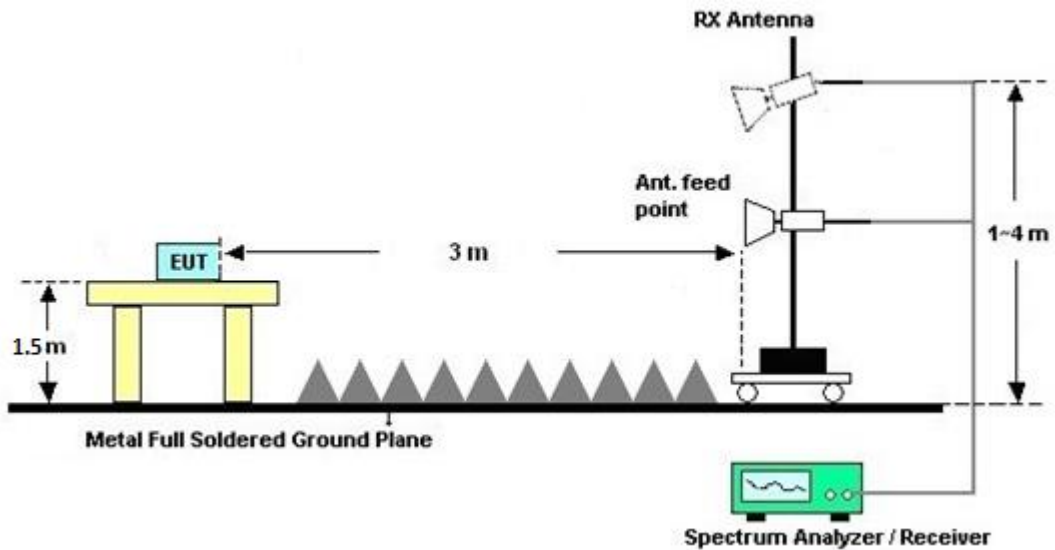
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

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





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

Please refer to Appendix C and D.

### **3.2.7 Duty Cycle**

Please refer to Appendix E.

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

Please refer to Appendix C and D.



### 3.3 AC Conducted Emission Measurement

#### 3.3.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

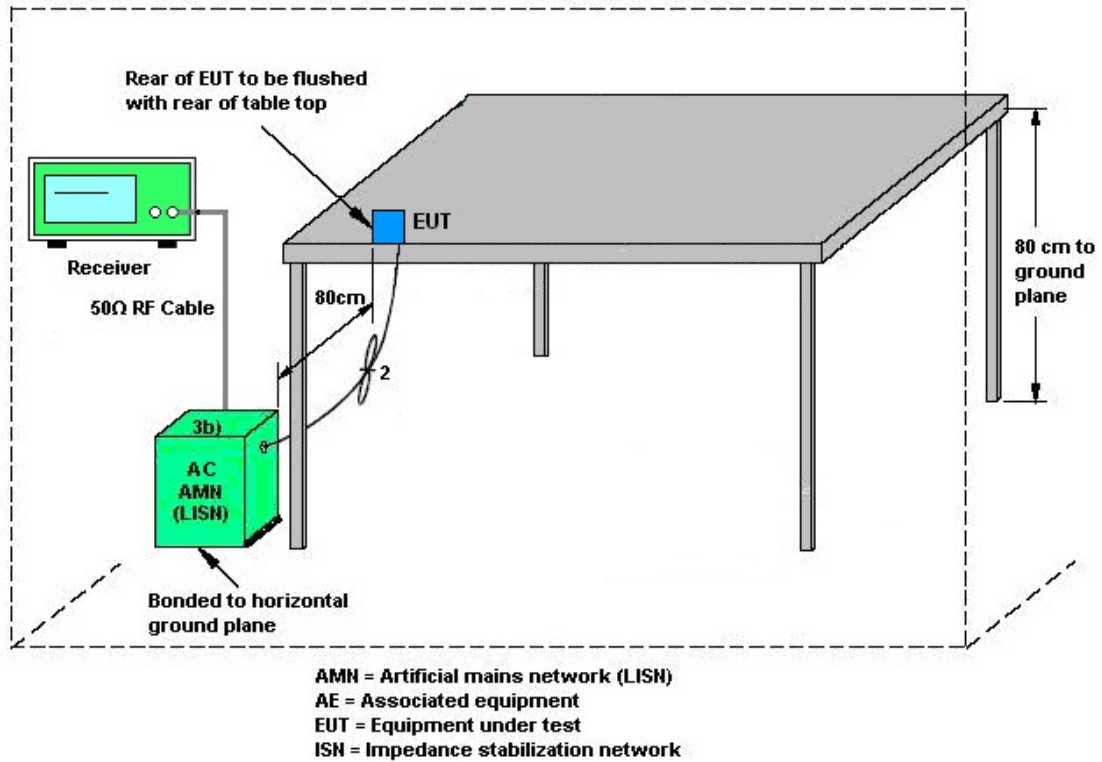
#### 3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.3.3 Test Procedures

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

### 3.3.4 Test Setup



### 3.3.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



### 3.4 Antenna Requirements

#### 3.4.1 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.

#### 3.4.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

#### 3.4.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

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

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

<b>&lt;CDD Modes&gt;</b>				
			<b>DG</b>	<b>Power</b>
			<b>for</b>	<b>Limit</b>
	<b>Ant. 1</b>	<b>Ant. 2</b>	<b>Power</b>	<b>Reduction</b>
	<b>(dBi)</b>	<b>(dBi)</b>	<b>(dBi)</b>	<b>(dB)</b>
<b>Band I</b>	0.82	2.58	2.58	0.00
<b>Band II</b>	0.72	1.49	1.49	0.00
<b>Band III</b>	-1.43	-2.60	-1.43	0.00

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

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



## 4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RadiPower	15I00041S NO09	10MHz~6GHz	May 07, 2018	Jan. 21, 2019~ Jan. 22, 2019	May 06, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV 30	100895	9kHz~30GHz	Apr. 20, 2018	Jan. 21, 2019~ Jan. 22, 2019	Apr. 19, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC130048 4	N/A	Mar. 01, 2018	Jan. 21, 2019~ Jan. 22, 2019	Feb. 28, 2019	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 27, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Jan. 27, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Jan. 27, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Jan. 27, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 27, 2019	N/A	Conduction (CO05-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Sep. 14, 2018	Jan. 27, 2019	Sep. 13, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Nov. 23, 2017	Feb. 04, 2019 ~Feb. 18, 2019	Nov. 22, 2019	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&0 0802N1D01N- 06	47020&06	30MHz to 1GHz	Oct. 13, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Oct. 12, 2019	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-152 2	1G~18GHz	Sep. 07, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Sep. 06, 2019	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 576	18GHz ~ 40GHz	May 08, 2018	Feb. 04, 2019 ~Feb. 18, 2019	May 07, 2019	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY572901 11	3Hz~26.5GHz	Nov. 29, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Nov. 28, 2019	Radiation (03CH16-HY)
Spectrum Analyzer	Agilent	N9010A	MY534701 18	10Hz~44GHz	Apr. 17, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Apr. 16, 2019	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1000MHz	Oct. 02, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Oct. 01, 2019	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	171000180 0054001	1GHz~18GHz	Apr. 16, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Apr. 15, 2019	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY532702 64	1GHz~26.5GHz	Dec. 12, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Dec. 11, 2019	Radiation (03CH16-HY)
Amplifier	MITEQ	TTA1840-35- HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Jul. 15, 2019	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30M-18G	Mar. 14, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Mar. 13, 2019	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15539/ 4	30M-18G	Mar. 14, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Mar. 13, 2019	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36979/ 4	30M~18GHz	Mar. 14, 2018	Feb. 04, 2019 ~Feb. 18, 2019	Mar. 13, 2019	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Feb. 04, 2019 ~Feb. 18, 2019	N/A	Radiation (03CH16-HY)



## 5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.2
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.9
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.8
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.9
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**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	Shiming Liu	Temperature:	21~25	°C
Test Date:	2019/1/21~2019/1/22	Relative Humidity:	51~54	%

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

FCC Band I							
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		
					Ant 1	Ant 2	SUM
11a	6Mbps	1	36	5180	13.40	13.40	
11a	6Mbps	1	44	5220	13.30	13.30	
11a	6Mbps	1	48	5240	13.30	13.30	
HT20	MCS0	1	36	5180	13.30	13.30	
HT20	MCS0	1	44	5220	13.20	13.20	
HT20	MCS0	1	48	5240	13.20	13.30	
HT40	MCS0	1	38	5190	13.20	13.30	
HT40	MCS0	1	46	5230	13.20	13.40	
VHT20	MCS0	1	36	5180	13.20	13.10	
VHT20	MCS0	1	44	5220	13.10	13.10	
VHT20	MCS0	1	48	5240	13.10	13.20	
VHT40	MCS0	1	38	5190	13.10	13.20	
VHT40	MCS0	1	46	5230	13.10	13.30	
VHT80	MCS0	1	42	5210	13.40	13.10	
VHT160	MCS0	1	50	5250	13.20	13.10	
HT20	MCS0	2	36	5180	13.40	13.30	16.36
HT20	MCS0	2	44	5220	13.30	13.20	16.26
HT20	MCS0	2	48	5240	13.20	13.30	16.26
HT40	MCS0	2	38	5190	13.30	13.20	16.26
HT40	MCS0	2	46	5230	13.20	13.40	16.31
VHT20	MCS0	2	36	5180	13.30	13.10	16.21
VHT20	MCS0	2	44	5220	13.20	13.10	16.16
VHT20	MCS0	2	48	5240	13.10	13.20	16.16
VHT40	MCS0	2	38	5190	13.20	13.10	16.16
VHT40	MCS0	2	46	5230	13.10	13.30	16.21
VHT80	MCS0	2	42	5210	8.70	8.80	11.76
VHT160	MCS0	2	50	5250	12.10	12.10	15.11



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

FCC Band II							
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		
					Ant 1	Ant 2	SUM
11a	6Mbps	1	52	5260	13.30	13.40	
11a	6Mbps	1	60	5300	13.20	13.30	
11a	6Mbps	1	64	5320	13.40	13.40	
HT20	MCS0	1	52	5260	13.40	13.40	
HT20	MCS0	1	60	5300	13.30	13.20	
HT20	MCS0	1	64	5320	13.40	13.40	
HT40	MCS0	1	54	5270	13.30	13.40	
HT40	MCS0	1	62	5310	13.20	13.40	
VHT20	MCS0	1	52	5260	13.30	13.30	
VHT20	MCS0	1	60	5300	13.20	13.10	
VHT20	MCS0	1	64	5320	13.20	13.20	
VHT40	MCS0	1	54	5270	13.20	13.20	
VHT40	MCS0	1	62	5310	13.10	13.30	
VHT80	MCS0	1	58	5290	13.30	12.70	
HT20	MCS0	2	52	5260	13.30	13.40	16.36
HT20	MCS0	2	60	5300	13.30	13.20	16.26
HT20	MCS0	2	64	5320	13.20	13.20	16.21
HT40	MCS0	2	54	5270	13.40	13.40	16.41
HT40	MCS0	2	62	5310	13.20	13.20	16.21
VHT20	MCS0	2	52	5260	13.20	13.20	16.21
VHT20	MCS0	2	60	5300	13.20	13.10	16.16
VHT20	MCS0	2	64	5320	13.10	13.10	16.11
VHT40	MCS0	2	54	5270	13.20	13.20	16.21
VHT40	MCS0	2	62	5310	13.10	13.10	16.11
VHT80	MCS0	2	58	5290	11.40	11.10	14.26

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

FCC Band III							
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		
					Ant 1	Ant 2	SUM
11a	6Mbps	1	100	5500	13.30	13.10	
11a	6Mbps	1	116	5580	13.40	13.40	
11a	6Mbps	1	140	5700	13.30	13.40	
11a	6Mbps	1	144	5720	13.40	13.20	
HT20	MCS0	1	100	5500	13.30	13.20	
HT20	MCS0	1	116	5580	13.20	13.40	
HT20	MCS0	1	140	5700	13.20	13.40	
HT20	MCS0	1	144	5720	13.40	13.20	
HT40	MCS0	1	102	5510	13.20	13.20	
HT40	MCS0	1	110	5550	13.30	13.40	
HT40	MCS0	1	134	5670	13.30	13.40	
HT40	MCS0	1	142	5710	13.20	13.20	
VHT20	MCS0	1	100	5500	13.20	13.10	
VHT20	MCS0	1	116	5580	13.10	13.30	
VHT20	MCS0	1	140	5700	13.10	13.20	
VHT20	MCS0	1	144	5720	13.20	13.10	
VHT40	MCS0	1	102	5510	13.10	13.10	
VHT40	MCS0	1	110	5550	13.20	13.20	
VHT40	MCS0	1	134	5670	13.20	13.30	
VHT40	MCS0	1	142	5710	13.10	13.10	
VHT80	MCS0	1	106	5530	13.40	13.40	
VHT80	MCS0	1	122	5610	13.10	13.30	
VHT80	MCS0	1	138	5690	13.30	13.20	
VHT160	MCS0	1	114	5570	12.10	12.20	
HT20	MCS0	2	100	5500	13.30	13.20	16.26
HT20	MCS0	2	116	5580	13.20	13.20	16.21
HT20	MCS0	2	140	5700	13.30	13.30	16.31
HT20	MCS0	2	144	5720	13.40	13.40	16.41
HT40	MCS0	2	102	5510	12.30	12.20	15.26
HT40	MCS0	2	110	5550	13.30	13.40	16.36
HT40	MCS0	2	134	5670	13.30	13.40	16.36
HT40	MCS0	2	142	5710	13.20	13.20	16.21
VHT20	MCS0	2	100	5500	13.20	13.10	16.16
VHT20	MCS0	2	116	5580	13.10	13.10	16.11
VHT20	MCS0	2	140	5700	13.20	13.20	16.21
VHT20	MCS0	2	144	5720	13.20	13.30	16.26
VHT40	MCS0	2	102	5510	12.20	12.10	15.16
VHT40	MCS0	2	110	5550	13.20	13.20	16.21
VHT40	MCS0	2	134	5670	13.20	13.30	16.26
VHT40	MCS0	2	142	5710	13.10	13.10	16.11
VHT80	MCS0	2	106	5530	10.80	10.70	13.76
VHT80	MCS0	2	122	5610	13.10	13.30	16.21
VHT80	MCS0	2	138	5690	13.20	13.20	16.21
VHT160	MCS0	2	114	5570	11.60	11.80	14.71



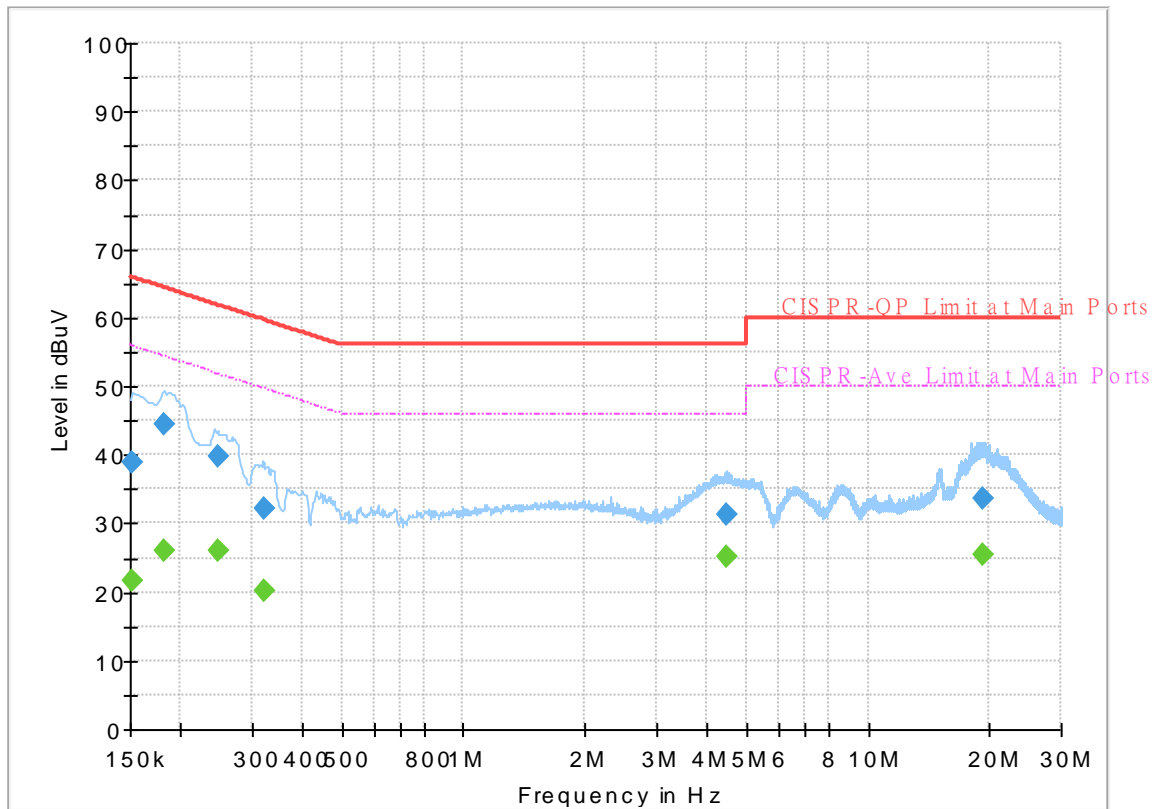
## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Eric Jeng	Temperature :	22~25°C
		Relative Humidity :	52~55%

## EUT Information

Report NO : 911733  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



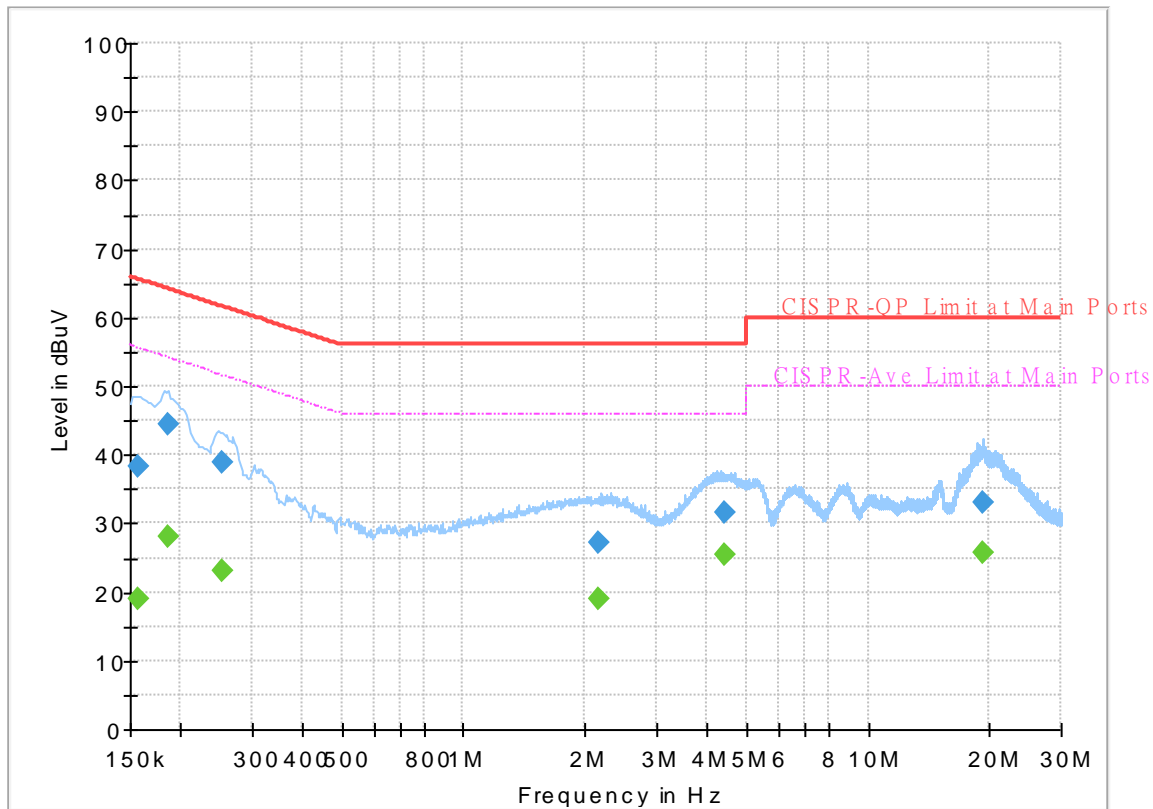
## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	21.71	55.88	34.17	L1	OFF	19.5
0.152250	38.80	---	65.88	27.08	L1	OFF	19.5
0.181500	---	26.00	54.42	28.42	L1	OFF	19.5
0.181500	44.52	---	64.42	19.90	L1	OFF	19.5
0.246750	---	26.15	51.87	25.72	L1	OFF	19.5
0.246750	39.80	---	61.87	22.07	L1	OFF	19.5
0.321000	---	20.10	49.68	29.58	L1	OFF	19.5
0.321000	32.12	---	59.68	27.56	L1	OFF	19.5
4.449750	---	25.03	46.00	20.97	L1	OFF	19.6
4.449750	31.17	---	56.00	24.83	L1	OFF	19.6
19.187250	---	25.50	50.00	24.50	L1	OFF	19.8
19.187250	33.55	---	60.00	26.45	L1	OFF	19.8

# EUT Information

Report NO : 911733  
 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)
0.156750	---	18.93	55.63	36.70	N	OFF	19.5
0.156750	38.25	---	65.63	27.38	N	OFF	19.5
0.186000	---	28.22	54.21	25.99	N	OFF	19.5
0.186000	44.49	---	64.21	19.72	N	OFF	19.5
0.253500	---	23.00	51.64	28.64	N	OFF	19.5
0.253500	38.78	---	61.64	22.86	N	OFF	19.5
2.154750	---	18.95	46.00	27.05	N	OFF	19.4
2.154750	27.20	---	56.00	28.80	N	OFF	19.4
4.443000	---	25.53	46.00	20.47	N	OFF	19.6
4.443000	31.46	---	56.00	24.54	N	OFF	19.6
19.338000	---	25.59	50.00	24.41	N	OFF	19.9
19.338000	33.11	---	60.00	26.89	N	OFF	19.9



## Appendix C. Radiated Spurious Emission

Test Engineer :	CR Liao and Andy Yang	Temperature :	23~25°C
		Relative Humidity :	55~57%

### Band 1 - 5150~5250MHz

#### WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 44 5220MHz		5136.24	55.52	-18.48	74	40.04	31.63	13.23	29.38	228	9	P	H
		5119.86	44.2	-9.8	54	28.69	31.62	13.27	29.38	228	9	A	H
	*	5220	106.47	-	-	91.15	31.64	13.07	29.39	228	9	P	H
	*	5220	99.22	-	-	83.9	31.64	13.07	29.39	228	9	A	H
		5450.48	53.41	-20.59	74	38.02	31.69	13.13	29.43	228	9	P	H
		5366.2	42.75	-11.25	54	27.52	31.67	12.97	29.41	228	9	A	H
		5047.58	54.96	-19.04	74	39.27	31.61	13.45	29.37	239	133	P	V
		5119.86	44.16	-9.84	54	28.65	31.62	13.27	29.38	239	133	A	V
	*	5220	106.06	-	-	90.74	31.64	13.07	29.39	239	133	P	V
	*	5220	98.88	-	-	83.56	31.64	13.07	29.39	239	133	A	V
		5445.72	53.37	-20.63	74	37.99	31.69	13.11	29.42	239	133	P	V
	5382.72	42.69	-11.31	54	27.47	31.68	12.96	29.42	239	133	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

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 data for 802.11n HT20 CH 44 at 10440 and 15660 MHz, and a Remark section.



**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 46 5230MHz		5014.04	54.35	-19.65	74	38.58	31.6	13.53	29.36	224	8	P	H
		5120.12	45.51	-8.49	54	30	31.62	13.27	29.38	224	8	A	H
	*	5230	104.03	-	-	88.71	31.65	13.06	29.39	224	8	P	H
	*	5230	96.43	-	-	81.11	31.65	13.06	29.39	224	8	A	H
		5370.96	53.56	-20.44	74	38.33	31.67	12.97	29.41	224	8	P	H
		5355.84	43.55	-10.45	54	28.31	31.67	12.98	29.41	224	8	A	H
		5144.3	54.76	-19.24	74	39.3	31.63	13.21	29.38	232	125	P	V
		5120.12	45.58	-8.42	54	30.07	31.62	13.27	29.38	232	125	A	V
	*	5230	103.64	-	-	88.32	31.65	13.06	29.39	232	125	P	V
	*	5230	96.15	-	-	80.83	31.65	13.06	29.39	232	125	A	V
		5381.88	53.61	-20.39	74	38.39	31.68	12.96	29.42	232	125	P	V
		5361.72	43.82	-10.18	54	28.59	31.67	12.97	29.41	232	125	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 46 5230MHz		10460	45.11	-23.09	68.2	48.12	39.64	17.56	60.21	100	0	P	H
		15690	43.08	-30.92	74	41.9	37.47	21.54	57.83	100	0	P	H
													H
													H
		10460	44.75	-23.45	68.2	47.76	39.64	17.56	60.21	100	0	P	V
		15690	43.25	-30.75	74	42.07	37.47	21.54	57.83	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





**Band 1 5150~5250MHz**  
**WIFI 802.11ac 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 42 5210MHz		5148.46	57.05	-16.95	74	41.6	31.63	13.2	29.38	209	9	P	H
		5136.76	46.68	-7.32	54	31.2	31.63	13.23	29.38	209	9	A	H
	*	5210	101.95	-	-	86.63	31.64	13.07	29.39	209	9	P	H
	*	5210	94.46	-	-	79.14	31.64	13.07	29.39	209	9	A	H
		5439	54.13	-19.87	74	38.77	31.69	13.09	29.42	209	9	P	H
		5364.52	43.53	-10.47	54	28.3	31.67	12.97	29.41	209	9	A	H
		5133.38	58.23	-15.77	74	42.74	31.63	13.24	29.38	236	58	P	V
		5119.86	47.38	-6.62	54	31.87	31.62	13.27	29.38	236	58	A	V
	*	5210	102.5	-	-	87.18	31.64	13.07	29.39	236	58	P	V
	*	5210	94.75	-	-	79.43	31.64	13.07	29.39	236	58	A	V
		5392.52	54.27	-19.73	74	39.06	31.68	12.95	29.42	236	58	P	V
	5458.32	43.86	-10.14	54	28.44	31.69	13.16	29.43	236	58	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (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	45.14	-23.06	68.2	48.16	39.57	17.53	60.12	100	0	P	H
		15630	43.76	-30.24	74	42.51	37.64	21.53	57.92	100	0	P	H
													H
													H
		10420	44.52	-23.68	68.2	47.54	39.57	17.53	60.12	100	0	P	V
		15630	43.78	-30.22	74	42.53	37.64	21.53	57.92	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT160 (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 VHT160 CH 50 5250MHz		5137.02	57.63	-16.37	74	42.15	31.63	13.23	29.38	210	8	P	H
		5143.82	48.44	-5.56	54	32.98	31.63	13.21	29.38	210	8	A	H
	*	5250	97.88	-	-	82.58	31.65	13.05	29.4	210	8	P	H
	*	5250	90.3	-	-	75	31.65	13.05	29.4	210	8	A	H
		5406.24	61.8	-12.2	74	46.57	31.68	12.97	29.42	210	8	P	H
		5402.64	52.87	-1.13	54	37.65	31.68	12.96	29.42	210	8	A	H
		5143.14	57.95	-16.05	74	42.48	31.63	13.22	29.38	231	133	P	V
		5143.48	49.22	-4.78	54	33.75	31.63	13.22	29.38	231	133	A	V
	*	5250	98.28	-	-	82.98	31.65	13.05	29.4	231	133	P	V
	*	5250	90.42	-	-	75.12	31.65	13.05	29.4	231	133	A	V
		5402.16	62.17	-11.83	74	46.95	31.68	12.96	29.42	231	133	P	V
		5402.4	53.06	-0.94	54	37.84	31.68	12.96	29.42	231	133	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT160 (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 VHT160 CH 50 5250MHz		10500	45.7	-22.5	68.2	48.7	39.7	17.6	60.3	100	0	P	H
		15750	43.52	-30.48	74	42.42	37.3	21.55	57.75	100	0	P	H
													H
													H
		10500	44.95	-23.25	68.2	47.95	39.7	17.6	60.3	100	0	P	V
		15750	43.59	-30.41	74	42.49	37.3	21.55	57.75	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 2 - 5250~5350MHz**  
**WIFI 802.11a (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		5046.58	54.55	-19.45	74	38.86	31.61	13.45	29.37	238	8	P	H
		5120.02	44.43	-9.57	54	28.92	31.62	13.27	29.38	238	8	A	H
	*	5260	107.98	-	-	92.69	31.65	13.04	29.4	238	8	P	H
	*	5260	100.69	-	-	85.4	31.65	13.04	29.4	238	8	A	H
		5398.56	54.32	-19.68	74	39.11	31.68	12.95	29.42	238	8	P	H
		5352.72	42.92	-11.08	54	27.68	31.67	12.98	29.41	238	8	A	H
		5017.34	54.45	-19.55	74	38.69	31.6	13.52	29.36	242	153	P	V
		5120.02	44.12	-9.88	54	28.61	31.62	13.27	29.38	242	153	A	V
	*	5260	106.69	-	-	91.4	31.65	13.04	29.4	242	153	P	V
	*	5260	98.25	-	-	82.96	31.65	13.04	29.4	242	153	A	V
		5379.12	53.53	-20.47	74	38.31	31.68	12.96	29.42	242	153	P	V
		5414.88	42.87	-11.13	54	27.61	31.68	13	29.42	242	153	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz**  
**WIFI 802.11a (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	44.68	-23.52	68.2	47.7	39.72	17.61	60.35	100	0	P	H	
		15780	42.68	-31.32	74	41.61	37.22	21.56	57.71	100	0	P	H	
													H	
													H	
			10520	44.55	-23.65	68.2	47.57	39.72	17.61	60.35	100	0	P	V
			15780	42.23	-31.77	74	41.16	37.22	21.56	57.71	100	0	P	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 802.11ac 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 58 5290MHz		5120.36	55.33	-18.67	74	39.82	31.62	13.27	29.38	192	5	P	H
		5120.02	45.29	-8.71	54	29.78	31.62	13.27	29.38	192	5	A	H
	*	5290	101.26	-	-	85.98	31.66	13.02	29.4	192	5	P	H
	*	5290	93.69	-	-	78.41	31.66	13.02	29.4	192	5	A	H
		5356.08	56.59	-17.41	74	41.35	31.67	12.98	29.41	192	5	P	H
		5355.12	47.19	-6.81	54	31.95	31.67	12.98	29.41	192	5	A	H
		5055.76	54.84	-19.16	74	39.17	31.61	13.43	29.37	218	133	P	V
		5120.02	45.24	-8.76	54	29.73	31.62	13.27	29.38	218	133	A	V
	*	5290	101.44	-	-	86.16	31.66	13.02	29.4	218	133	P	V
	*	5290	94.21	-	-	78.93	31.66	13.02	29.4	218	133	A	V
		5359.44	55.88	-18.12	74	40.64	31.67	12.98	29.41	218	133	P	V
		5355.84	47.09	-6.91	54	31.85	31.67	12.98	29.41	218	133	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz**  
**WIFI 802.11ac 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	45.74	-22.46	68.2	48.79	39.78	17.66	60.49	100	0	P	H	
		15870	43.74	-30.26	74	42.78	36.96	21.58	57.58	100	0	P	H	
													H	
													H	
			10580	46.56	-21.64	68.2	49.61	39.78	17.66	60.49	100	0	P	V
			15870	42.87	-31.13	74	41.91	36.96	21.58	57.58	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (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		5370.32	54.17	-19.83	74	38.94	31.67	12.97	29.41	225	2	P	H	
		5466	53.65	-14.55	68.2	38.21	31.69	13.18	29.43	225	2	P	H	
		5452.88	43.23	-10.77	54	27.83	31.69	13.14	29.43	225	2	A	H	
	*	5500	105.71	-	-	90.13	31.7	13.31	29.43	225	2	P	H	
	*	5500	98.25	-	-	82.67	31.7	13.31	29.43	225	2	A	H	
														H
			5447.44	55.01	-18.99	74	39.62	31.69	13.12	29.42	178	85	P	V
			5466.8	53.73	-14.47	68.2	38.28	31.69	13.19	29.43	178	85	P	V
			5449.68	43.11	-10.89	54	27.71	31.69	13.13	29.42	178	85	A	V
	*		5500	105.46	-	-	89.88	31.7	13.31	29.43	178	85	P	V
	*		5500	98.05	-	-	82.47	31.7	13.31	29.43	178	85	A	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	46.71	-27.29	74	50.02	40.2	17.99	61.5	100	0	P	H	
		16500	45.7	-22.5	68.2	41.82	38.9	22.28	57.3	100	0	P	H	
													H	
													H	
			11000	46.32	-27.68	74	49.63	40.2	17.99	61.5	100	0	P	V
			16500	45.35	-22.85	68.2	41.47	38.9	22.28	57.3	100	0	P	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 802.11ac 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		5447.2	55.93	-18.07	74	40.54	31.69	13.12	29.42	192	1	P	H
		5467.6	54.82	-13.38	68.2	39.37	31.69	13.19	29.43	192	1	P	H
		5447.44	46.39	-7.61	54	31	31.69	13.12	29.42	192	1	A	H
	*	5530	101.69	-	-	85.98	31.75	13.41	29.45	192	1	P	H
	*	5530	93.38	-	-	77.67	31.75	13.41	29.45	192	1	A	H
		5737.28	54.81	-13.39	68.2	38.26	32.08	14.03	29.56	192	1	P	H
		5459.2	55.72	-18.28	74	40.3	31.69	13.16	29.43	227	121	P	V
		5464	54.96	-13.24	68.2	39.52	31.69	13.18	29.43	227	121	P	V
		5438.8	45.98	-8.02	54	30.62	31.69	13.09	29.42	227	121	A	V
	*	5530	100.81	-	-	85.1	31.75	13.41	29.45	227	121	P	V
	*	5530	92.62	-	-	76.91	31.75	13.41	29.45	227	121	A	V
		5748.305	55.28	-12.92	68.2	38.68	32.1	14.06	29.56	227	121	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	47.27	-26.73	74	50.59	40.16	18.03	61.51	100	0	P	H	
		16590	45.97	-22.23	68.2	41.48	39.22	22.39	57.12	100	0	P	H	
													H	
													H	
			11060	46.33	-27.67	74	49.63	40.16	18.03	61.49	100	0	P	V
			16590	44.36	-23.84	68.2	42.22	39.22	22.39	59.47	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 36 5180MHz		5029.9	54.34	-19.66	74	38.6	31.61	13.49	29.36	100	299	P	H	
		5119.86	43.82	-10.18	54	28.31	31.62	13.27	29.38	100	299	A	H	
	*	5180	107.18	-	-	91.8	31.64	13.13	29.39	100	299	P	H	
	*	5180	99.55	-	-	84.17	31.64	13.13	29.39	100	299	A	H	
													H	
													H	
			5066.04	55.13	-18.87	74	39.49	31.61	13.4	29.37	356	5	P	V
			5029.64	43.01	-10.99	54	27.27	31.61	13.49	29.36	356	5	A	V
		*	5180	101.71	-	-	86.33	31.64	13.13	29.39	356	5	P	V
		*	5180	93.98	-	-	78.6	31.64	13.13	29.39	356	5	A	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													

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

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 36 5180MHz		10360	44.76	-23.44	68.2	47.79	39.48	17.48	59.99	100	0	P	H	
		15540	43.63	-30.37	74	42.27	37.89	21.51	58.04	100	0	P	H	
													H	
													H	
			10360	44.92	-23.28	68.2	47.95	39.48	17.48	59.99	100	0	P	V
			15540	43.58	-30.42	74	42.22	37.89	21.51	58.04	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz	*	5320	105.86	-	-	90.6	31.66	13	29.4	102	299	P	H
	*	5320	98.67	-	-	83.41	31.66	13	29.4	102	299	A	H
		5449.6	53.68	-20.32	74	38.28	31.69	13.13	29.42	102	299	P	H
		5350.24	43.22	-10.78	54	27.98	31.67	12.98	29.41	102	299	A	H
													H
													H
	*	5320	100.66	-	-	85.4	31.66	13	29.4	374	3	P	V
	*	5320	93.13	-	-	77.87	31.66	13	29.4	374	3	A	V
		5397.6	53.59	-20.41	74	38.38	31.68	12.95	29.42	374	3	P	V
		5453.12	42.34	-11.66	54	26.94	31.69	13.14	29.43	374	3	A	V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 64 5320MHz		10640	45.41	-28.59	74	48.51	39.84	17.7	60.64	100	0	P	H
		15960	42.9	-31.1	74	42.06	36.71	21.59	57.46	100	0	P	H
													H
													H
		10640	45.07	-28.93	74	48.17	39.84	17.7	60.64	100	0	P	V
		15960	42.21	-31.79	74	41.37	36.71	21.59	57.46	100	0	P	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 HT40 (Band Edge @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 62 5310MHz		5132.26	54.06	-19.94	74	38.57	31.63	13.24	29.38	101	298	P	H
		5030.26	44.44	-9.56	54	28.7	31.61	13.49	29.36	101	298	A	H
	*	5310	103.02	-	-	87.75	31.66	13.01	29.4	101	298	P	H
	*	5310	95.75	-	-	80.48	31.66	13.01	29.4	101	298	A	H
		5350.08	58.6	-15.4	74	43.36	31.67	12.98	29.41	101	298	P	H
		5350.32	50.02	-3.98	54	34.78	31.67	12.98	29.41	101	298	A	H
		5098.26	53.6	-20.4	74	38.03	31.62	13.32	29.37	357	6	P	V
		5046.58	44.17	-9.83	54	28.48	31.61	13.45	29.37	357	6	A	V
	*	5310	97.4	-	-	82.13	31.66	13.01	29.4	357	6	P	V
	*	5310	89.44	-	-	74.17	31.66	13.01	29.4	357	6	A	V
		5351.28	55.11	-18.89	74	39.87	31.67	12.98	29.41	357	6	P	V
		5350.08	45.24	-8.76	54	30	31.67	12.98	29.41	357	6	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. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 62 5310MHz		10620	45.38	-28.62	74	48.46	39.82	17.69	60.59	100	0	P	H
		15930	42.96	-31.04	74	42.07	36.8	21.59	57.5	100	0	P	H
													H
													H
		10620	45.51	-28.49	74	49.12	39.82	17.69	61.12	100	0	P	V
		15930	39.98	-34.02	74	42.05	36.8	21.59	60.46	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 134 5670MHz		5423.85	53.44	-20.56	74	38.15	31.68	13.03	29.42	100	304	P	H
		5465.15	52.77	-15.43	68.2	37.33	31.69	13.18	29.43	100	304	P	H
		5384.3	43.24	-10.76	54	28.02	31.68	12.96	29.42	100	304	A	H
	*	5670	101.15	-	-	84.85	31.97	13.85	29.52	100	304	P	H
	*	5670	93.13	-	-	76.83	31.97	13.85	29.52	100	304	A	H
		5741.025	55.7	-12.5	68.2	39.13	32.09	14.04	29.56	100	304	P	H
		5395.5	52.96	-21.04	74	37.75	31.68	12.95	29.42	353	41	P	V
		5460.95	53.16	-15.04	68.2	37.73	31.69	13.17	29.43	353	41	P	V
		5454.65	43.16	-10.84	54	27.76	31.69	13.14	29.43	353	41	A	V
	*	5670	94.28	-	-	77.98	31.97	13.85	29.52	353	41	P	V
	*	5670	86.76	-	-	70.46	31.97	13.85	29.52	353	41	A	V
		5732.275	54.24	-13.96	68.2	37.71	32.07	14.02	29.56	353	41	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 134 5670MHz		11340	46.53	-27.47	74	49.84	40	18.26	61.57	100	0	P	H
		17010	47.13	-21.07	68.2	39.71	40.74	22.96	56.28	100	0	P	H
													H
													H
		11340	46.37	-27.63	74	49.68	40	18.26	61.57	100	0	P	V
		17010	46.98	-21.22	68.2	39.56	40.74	22.96	56.28	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT160 (Band Edge @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT160 CH 114 5570MHz		5459.2	57.92	-16.08	74	42.5	31.69	13.16	29.43	100	305	P	H
		5466.4	60.17	-8.03	68.2	44.72	31.69	13.19	29.43	100	305	P	H
		5458.48	48.56	-5.44	54	33.14	31.69	13.16	29.43	100	305	A	H
	*	5570	95.81	-	-	79.92	31.81	13.55	29.47	100	305	P	H
	*	5570	88.26	-	-	72.37	31.81	13.55	29.47	100	305	A	H
		5736.335	59.36	-8.84	68.2	42.81	32.08	14.03	29.56	100	305	P	H
		5422.24	55.28	-18.72	74	39.99	31.68	13.03	29.42	351	24	P	V
		5466.4	54.23	-13.97	68.2	38.78	31.69	13.19	29.43	351	24	P	V
		5454.64	44.41	-9.59	54	29.01	31.69	13.14	29.43	351	24	A	V
	*	5570	89.48	-	-	73.59	31.81	13.55	29.47	351	24	P	V
	*	5570	82.6	-	-	66.71	31.81	13.55	29.47	351	24	A	V
		5730.98	54.44	-13.76	68.2	37.92	32.07	14.01	29.56	351	24	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT160 (Harmonic @ 3m)**

WIFI Ant. 2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ac VHT160 CH 114 5570MHz		11140	46	-28	74	49.31	40.12	18.1	61.53	100	0	P	H	
		16710	47.05	-21.15	68.2	41.72	39.66	22.55	56.88	100	0	P	H	
													H	
													H	
			11140	46.45	-27.55	74	49.76	40.12	18.1	61.53	100	0	P	V
			16710	46.94	-21.26	68.2	41.61	39.66	22.55	56.88	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 48 5240MHz		5143.78	54.8	-19.2	74	39.34	31.63	13.21	29.38	101	310	P	H
		5119.86	43.78	-10.22	54	28.27	31.62	13.27	29.38	101	310	A	H
	*	5240	107.68	-	-	92.37	31.65	13.05	29.39	101	310	P	H
	*	5240	100.17	-	-	84.86	31.65	13.05	29.39	101	310	A	H
		5426.68	53.32	-20.68	74	38.01	31.69	13.04	29.42	101	310	P	H
		5358.08	42.42	-11.58	54	27.18	31.67	12.98	29.41	101	310	A	H
		5075.14	53.79	-20.21	74	38.16	31.62	13.38	29.37	238	334	P	V
		5033.28	43.11	-10.89	54	27.38	31.61	13.48	29.36	238	334	A	V
	*	5240	107.73	-	-	92.42	31.65	13.05	29.39	238	334	P	V
	*	5240	99.74	-	-	84.43	31.65	13.05	29.39	238	334	A	V
		5437.6	52.4	-21.6	74	37.05	31.69	13.08	29.42	238	334	P	V
		5360.6	42.27	-11.73	54	27.03	31.67	12.98	29.41	238	334	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 48 5240MHz		10480	46.1	-22.1	68.2	49.11	39.67	17.58	60.26	100	0	P	H
		15720	44.07	-29.93	74	42.94	37.38	21.54	57.79	100	0	P	H
													H
													H
		10480	46.76	-21.44	68.2	49.77	39.67	17.58	60.26	100	0	P	V
		15720	44.72	-29.28	74	43.59	37.38	21.54	57.79	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 38 5190MHz		5150	58.3	-15.7	74	42.85	31.63	13.2	29.38	104	309	P	H
		5149.24	48.66	-5.34	54	33.21	31.63	13.2	29.38	104	309	A	H
	*	5190	105.4	-	-	90.05	31.64	13.1	29.39	104	309	P	H
	*	5190	97.78	-	-	82.43	31.64	13.1	29.39	104	309	A	H
		5451.32	53.08	-20.92	74	37.69	31.69	13.13	29.43	104	309	P	H
		5362.56	43.27	-10.73	54	28.04	31.67	12.97	29.41	104	309	A	H
		5150	56.1	-17.9	74	40.65	31.63	13.2	29.38	219	318	P	V
		5148.2	47.68	-6.32	54	32.23	31.63	13.2	29.38	219	318	A	V
	*	5190	105.13	-	-	89.78	31.64	13.1	29.39	219	318	P	V
	*	5190	97.61	-	-	82.26	31.64	13.1	29.39	219	318	A	V
		5364.52	53.08	-20.92	74	37.85	31.67	12.97	29.41	219	318	P	V
		5450.76	43.27	-10.73	54	27.88	31.69	13.13	29.43	219	318	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11n HT40 CH 38 5190MHz		10380	46.03	-22.17	68.2	49.06	39.51	17.5	60.04	100	0	P	H	
		15570	43.59	-30.41	74	42.27	37.8	21.52	58	100	0	P	H	
													H	
													H	
			10380	45.82	-22.38	68.2	48.85	39.51	17.5	60.04	100	0	P	V
			15570	43.26	-30.74	74	41.94	37.8	21.52	58	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT80 CH 42 5210MHz		5128.96	55.59	-18.41	74	40.09	31.63	13.25	29.38	105	310	P	H
		5149.76	46.68	-7.32	54	31.23	31.63	13.2	29.38	105	310	A	H
	*	5210	97.81	-	-	82.49	31.64	13.07	29.39	105	310	P	H
	*	5210	89.3	-	-	73.98	31.64	13.07	29.39	105	310	A	H
		5419.4	53.5	-20.5	74	38.22	31.68	13.02	29.42	105	310	P	H
		5425.28	45	-9	54	29.69	31.69	13.04	29.42	105	310	A	H
		5091	54.26	-19.74	74	38.67	31.62	13.34	29.37	241	319	P	V
		5149.5	46.41	-7.59	54	30.96	31.63	13.2	29.38	241	319	A	V
	*	5210	96.99	-	-	81.67	31.64	13.07	29.39	241	319	P	V
	*	5210	89.54	-	-	74.22	31.64	13.07	29.39	241	319	A	V
		5444.32	52.93	-21.07	74	37.55	31.69	13.11	29.42	241	319	P	V
		5442.64	45.26	-8.74	54	29.89	31.69	13.1	29.42	241	319	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ac VHT80 CH 42 5210MHz		10420	45.44	-22.76	68.2	48.46	39.57	17.53	60.12	100	0	P	H	
		15630	44.82	-29.18	74	43.57	37.64	21.53	57.92	100	0	P	H	
													H	
													H	
			10420	46.31	-21.89	68.2	49.33	39.57	17.53	60.12	100	0	P	V
			15630	43.99	-30.01	74	42.74	37.64	21.53	57.92	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT160 (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT160 CH 50 5250MHz		5147.22	56.33	-17.67	74	40.87	31.63	13.21	29.38	104	311	P	H
		5037.4	49.01	-4.99	54	33.29	31.61	13.47	29.36	104	311	A	H
	*	5250	98.94	-	-	83.64	31.65	13.05	29.4	104	311	P	H
	*	5250	91.88	-	-	76.58	31.65	13.05	29.4	104	311	A	H
		5403.84	60.29	-13.71	74	45.07	31.68	12.96	29.42	104	311	P	H
		5401.2	53.32	-0.68	54	38.11	31.68	12.95	29.42	104	311	A	H
		5121.38	55.99	-18.01	74	40.48	31.62	13.27	29.38	245	311	P	V
		5147.56	48.59	-5.41	54	33.13	31.63	13.21	29.38	245	311	A	V
	*	5250	97.12	-	-	81.82	31.65	13.05	29.4	245	311	P	V
	*	5250	90.11	-	-	74.81	31.65	13.05	29.4	245	311	A	V
		5407.68	56.05	-17.95	74	40.81	31.68	12.98	29.42	245	311	P	V
		5403.84	50.38	-3.62	54	35.16	31.68	12.96	29.42	245	311	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT160 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT160 CH 50 5250MHz		10500	45.78	-22.42	68.2	48.78	39.7	17.6	60.3	100	0	P	H	
		15750	43.93	-30.07	74	42.83	37.3	21.55	57.75	100	0	P	H	
													H	
													H	
			10500	46.62	-21.58	68.2	49.62	39.7	17.6	60.3	100	0	P	V
			15750	43.24	-30.76	74	42.14	37.3	21.55	57.75	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5067.6	54.08	-19.92	74	38.44	31.61	13.4	29.37	131	313	P	H
		5120.12	43.49	-10.51	54	27.98	31.62	13.27	29.38	131	313	A	H
	*	5260	108.04	-	-	92.75	31.65	13.04	29.4	131	313	P	H
	*	5260	101.09	-	-	85.8	31.65	13.04	29.4	131	313	A	H
		5404.84	53.18	-20.82	74	37.95	31.68	12.97	29.42	131	313	P	H
		5374.04	42.6	-11.4	54	27.38	31.67	12.97	29.42	131	313	A	H
		5061.1	54.17	-19.83	74	38.52	31.61	13.41	29.37	246	344	P	V
		5028.6	43.29	-10.71	54	27.55	31.61	13.49	29.36	246	344	A	V
	*	5260	106.47	-	-	91.18	31.65	13.04	29.4	246	344	P	V
	*	5260	99.08	-	-	83.79	31.65	13.04	29.4	246	344	A	V
		5454.68	54.38	-19.62	74	38.98	31.69	13.14	29.43	246	344	P	V
		5432	42.27	-11.73	54	26.94	31.69	13.06	29.42	246	344	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	45.76	-22.44	68.2	48.78	39.72	17.61	60.35	100	0	P	H
		15780	43.83	-30.17	74	42.76	37.22	21.56	57.71	100	0	P	H
													H
													H
		10520	45.77	-22.43	68.2	48.79	39.72	17.61	60.35	100	0	P	V
		15780	42.61	-31.39	74	41.54	37.22	21.56	57.71	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		5025.16	53.78	-20.22	74	38.03	31.61	13.5	29.36	105	308	P	H
		5120.02	44.38	-9.62	54	28.87	31.62	13.27	29.38	105	308	A	H
	*	5310	105.06	-	-	89.79	31.66	13.01	29.4	105	308	P	H
	*	5310	97.69	-	-	82.42	31.66	13.01	29.4	105	308	A	H
		5353.92	56.44	-17.56	74	41.2	31.67	12.98	29.41	105	308	P	H
		5351.04	46.65	-7.35	54	31.41	31.67	12.98	29.41	105	308	A	H
		5072.76	54.53	-19.47	74	38.9	31.61	13.39	29.37	232	319	P	V
		5120.02	44.38	-9.62	54	28.87	31.62	13.27	29.38	232	319	A	V
	*	5310	104.3	-	-	89.03	31.66	13.01	29.4	232	319	P	V
	*	5310	96.9	-	-	81.63	31.66	13.01	29.4	232	319	A	V
		5350.56	57	-17	74	41.76	31.67	12.98	29.41	232	319	P	V
		5351.28	47.32	-6.68	54	32.08	31.67	12.98	29.41	232	319	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+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 62 5310MHz		10620	45.56	-28.44	74	48.64	39.82	17.69	60.59	100	0	P	H	
		15930	43.5	-30.5	74	42.61	36.8	21.59	57.5	100	0	P	H	
													H	
													H	
			10620	46.26	-27.74	74	49.34	39.82	17.69	60.59	100	0	P	V
			15930	42.74	-31.26	74	41.85	36.8	21.59	57.5	100	0	P	V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT80 CH 58 5290MHz		5110.16	53.95	-20.05	74	38.4	31.62	13.3	29.37	107	310	P	H
		5120.02	45.88	-8.12	54	30.37	31.62	13.27	29.38	107	310	A	H
	*	5290	100.94	-	-	85.66	31.66	13.02	29.4	107	310	P	H
	*	5290	94.38	-	-	79.1	31.66	13.02	29.4	107	310	A	H
		5382.96	55.65	-18.35	74	40.43	31.68	12.96	29.42	107	310	P	H
		5357.76	47.02	-6.98	54	31.78	31.67	12.98	29.41	107	310	A	H
		5052.02	54.55	-19.45	74	38.87	31.61	13.44	29.37	237	311	P	V
		5026.86	46.31	-7.69	54	30.56	31.61	13.5	29.36	237	311	A	V
	*	5290	99.47	-	-	84.19	31.66	13.02	29.4	237	311	P	V
	*	5290	93.18	-	-	77.9	31.66	13.02	29.4	237	311	A	V
		5360.64	54.68	-19.32	74	39.44	31.67	12.98	29.41	237	311	P	V
		5372.64	45.96	-8.04	54	30.73	31.67	12.97	29.41	237	311	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ac VHT80 CH 58 5290MHz		10580	45.21	-22.99	68.2	48.26	39.78	17.66	60.49	100	0	P	H	
		15870	42.93	-31.07	74	41.97	36.96	21.58	57.58	100	0	P	H	
													H	
													H	
			10580	45.87	-22.33	68.2	48.92	39.78	17.66	60.49	100	0	P	V
			15870	42.99	-31.01	74	42.03	36.96	21.58	57.58	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 116 5580MHz		5421.28	53.78	-20.22	74	38.49	31.68	13.03	29.42	122	350	P	H
		5468.32	53.06	-15.14	68.2	37.61	31.69	13.19	29.43	122	350	P	H
		5437.12	42.48	-11.52	54	27.13	31.69	13.08	29.42	122	350	A	H
	*	5580	106.91	-	-	90.97	31.83	13.59	29.48	122	350	P	H
	*	5580	99.52	-	-	83.58	31.83	13.59	29.48	122	350	A	H
		5732.87	53.82	-14.38	68.2	37.29	32.07	14.02	29.56	122	350	P	H
		5457.28	53.85	-20.15	74	38.44	31.69	13.15	29.43	239	333	P	V
		5463.76	52.74	-15.46	68.2	37.3	31.69	13.18	29.43	239	333	P	V
		5401.12	42.36	-11.64	54	27.15	31.68	12.95	29.42	239	333	A	V
	*	5580	106.63	-	-	90.69	31.83	13.59	29.48	239	333	P	V
	*	5580	99.31	-	-	83.37	31.83	13.59	29.48	239	333	A	V
		5733.815	54.09	-14.11	68.2	37.56	32.07	14.02	29.56	239	333	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11n HT20 CH 116 5580MHz		11160	46.94	-27.06	74	50.25	40.1	18.12	61.53	100	0	P	H	
		16740	46.5	-21.7	68.2	40.96	39.76	22.6	56.82	100	0	P	H	
													H	
													H	
			11160	46.09	-27.91	74	49.4	40.1	18.12	61.53	100	0	P	V
			16740	46.6	-21.6	68.2	41.06	39.76	22.6	56.82	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Over Limit ( dB )	Limit Line ( dBµV/m )	Read Level ( dBµV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 102 5510MHz		5446.24	54.45	-19.55	74	39.07	31.69	13.11	29.42	103	310	P	H
		5469.76	59.37	-8.83	68.2	43.91	31.69	13.2	29.43	103	310	P	H
		5458.48	44.69	-9.31	54	29.27	31.69	13.16	29.43	103	310	A	H
	*	5510	103.39	-	-	87.77	31.72	13.34	29.44	103	310	P	H
	*	5510	95.69	-	-	80.07	31.72	13.34	29.44	103	310	A	H
		5745.785	53.13	-15.07	68.2	36.55	32.09	14.05	29.56	103	310	P	H
		5449.6	54.93	-19.07	74	39.53	31.69	13.13	29.42	233	311	P	V
		5467.12	56.81	-11.39	68.2	41.36	31.69	13.19	29.43	233	311	P	V
		5458.96	45.27	-8.73	54	29.85	31.69	13.16	29.43	233	311	A	V
	*	5510	103.92	-	-	88.3	31.72	13.34	29.44	233	311	P	V
	*	5510	96.19	-	-	80.57	31.72	13.34	29.44	233	311	A	V
		5731.61	54.79	-13.41	68.2	38.26	32.07	14.02	29.56	233	311	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Over Limit ( dB )	Limit Line ( dBµV/m )	Read Level ( dBµV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11n HT40 CH 102 5510MHz		11020	45.63	-28.37	74	48.94	40.19	18	61.5	100	0	P	H	
		16530	44.95	-23.25	68.2	40.86	39.01	22.32	57.24	100	0	P	H	
													H	
													H	
			11020	46.32	-27.68	74	49.63	40.19	18	61.5	100	0	P	V
			16530	44.94	-23.26	68.2	40.85	39.01	22.32	57.24	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT80 CH 106 5530MHz		5452	55.27	-18.73	74	39.88	31.69	13.13	29.43	103	292	P	H
		5460.16	54.62	-13.58	68.2	39.2	31.69	13.16	29.43	103	292	P	H
		5447.68	47.43	-6.57	54	32.04	31.69	13.12	29.42	103	292	A	H
	*	5530	98.77	-	-	83.06	31.75	13.41	29.45	103	292	P	H
	*	5530	91.97	-	-	76.26	31.75	13.41	29.45	103	292	A	H
		5747.045	54.22	-13.98	68.2	37.62	32.1	14.06	29.56	103	292	P	H
		5456.32	55.66	-18.34	74	40.25	31.69	13.15	29.43	232	333	P	V
		5466.64	55.56	-12.64	68.2	40.11	31.69	13.19	29.43	232	333	P	V
		5458.72	47.08	-6.92	54	31.66	31.69	13.16	29.43	232	333	A	V
	*	5530	98.6	-	-	82.89	31.75	13.41	29.45	232	333	P	V
	*	5530	92.77	-	-	77.06	31.75	13.41	29.45	232	333	A	V
		5744.84	53.99	-14.21	68.2	37.41	32.09	14.05	29.56	232	333	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11ac VHT80 CH 106 5530MHz		11060	46.33	-27.67	74	49.65	40.16	18.03	61.51	100	0	P	H	
		16590	45.19	-23.01	68.2	40.7	39.22	22.39	57.12	100	0	P	H	
													H	
													H	
			11060	46.41	-27.59	74	49.73	40.16	18.03	61.51	100	0	P	V
			16590	44.91	-23.29	68.2	40.42	39.22	22.39	57.12	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**Band 3 - 5470~5725MHz**  
**WIFI 802.11ac VHT160 (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT160 CH 114 5570MHz		5455.12	55.07	-18.93	74	39.66	31.69	13.15	29.43	190	353	P	H
		5465.92	55.82	-12.38	68.2	40.38	31.69	13.18	29.43	190	353	P	H
		5458.48	48.02	-5.98	54	32.6	31.69	13.16	29.43	190	353	A	H
	*	5570	97.06	-	-	81.17	31.81	13.55	29.47	190	353	P	H
	*	5570	90.06	-	-	74.17	31.81	13.55	29.47	190	353	A	H
		5727.515	58.1	-10.1	68.2	41.58	32.06	14	29.54	190	353	P	H
		5452.96	56.37	-17.63	74	40.97	31.69	13.14	29.43	215	312	P	V
		5462.56	56.85	-11.35	68.2	41.42	31.69	13.17	29.43	215	312	P	V
		5457.28	49.73	-4.27	54	34.32	31.69	13.15	29.43	215	312	A	V
	*	5570	96.17	-	-	80.28	31.81	13.55	29.47	215	312	P	V
	*	5570	89.67	-	-	73.78	31.81	13.55	29.47	215	312	A	V
		5734.76	58.18	-10.02	68.2	41.64	32.08	14.02	29.56	215	312	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 VHT160 (Harmonic @ 3m)**

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT160 CH 114 5570MHz		11140	45.77	-28.23	74	49.08	40.12	18.1	61.53	100	0	P	H	
		16710	46.09	-22.11	68.2	40.76	39.66	22.55	56.88	100	0	P	H	
													H	
													H	
			11140	46.08	-27.92	74	49.39	40.12	18.1	61.53	100	0	P	V
			16710	46.42	-21.78	68.2	41.09	39.66	22.55	56.88	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Emission below 1GHz  
5GHz WIFI 802.11ac VHT160 (LF @ 3m)

WIFI Ant. 1+2	Note	Frequency ( MHz )	Level ( dBµV/m )	Over Limit ( dB )	Limit Line ( dBµV/m )	Read Level (dBµV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
5GHz 802.11ac VHT160 LF		170.67	29.29	-14.21	43.5	44.02	16.04	1.59	32.36	-	-	P	H	
		177.15	29.08	-14.42	43.5	44.22	15.59	1.62	32.35	-	-	P	H	
		258.15	27.86	-18.14	46	38.36	19.6	2.3	32.4	-	-	P	H	
		356	28.61	-17.39	46	36.86	21.35	2.87	32.47	-	-	P	H	
		907.6	32.3	-13.7	46	30.21	29.17	4.64	31.72	-	-	P	H	
		955.9	32.93	-13.07	46	29.44	30.07	4.72	31.3	100	0	P	H	
														H
														H
														H
														H
														H
														H
														H
			40.53	22.4	-17.6	40	34.51	19.82	0.51	32.44	-	-	P	V
			152.85	23.99	-19.51	43.5	37.25	17.59	1.51	32.36	-	-	P	V
			170.13	23.94	-19.56	43.5	38.6	16.1	1.6	32.36	-	-	P	V
			599.6	29.66	-16.34	46	32.94	25.58	3.82	32.68	-	-	P	V
			906.9	31.67	-14.33	46	29.61	29.15	4.64	31.73	-	-	P	V
		937	32.4	-13.6	46	29.42	29.82	4.62	31.46	100	0	P	V	
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



**Note symbol**

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





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

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

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

**For Peak Limit @ 2390MHz:**

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

**For Average Limit @ 2390MHz:**

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

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



## Appendix D. Radiated Spurious Emission Plots

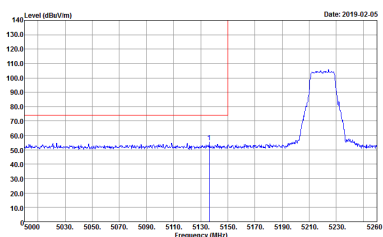
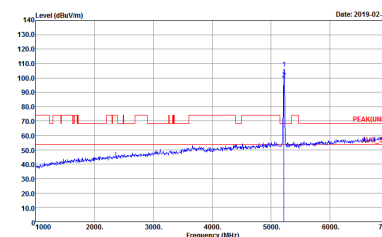
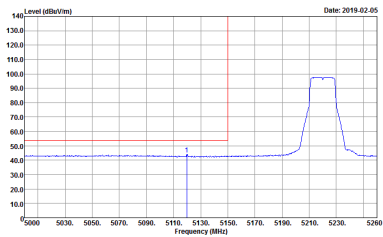
Test Engineer :	CR Liao and Andy Yang	Temperature :	23~25°C
		Relative Humidity :	55~57%

Note symbol

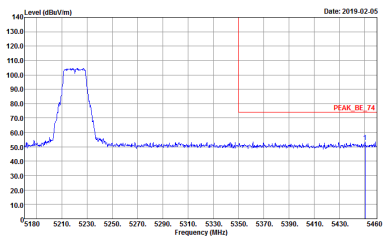
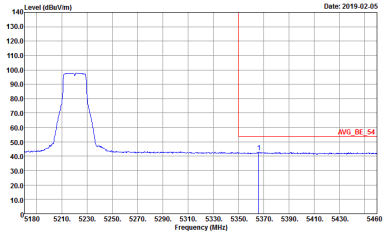
-L	Low channel location
-R	High channel location



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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>



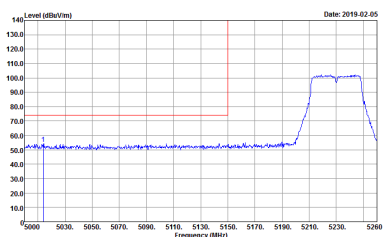
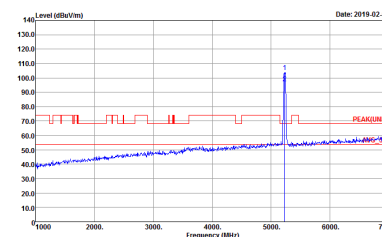
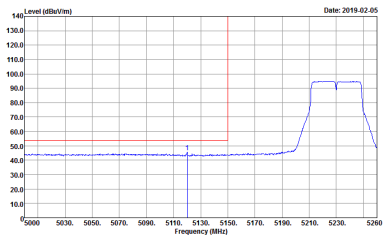
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Project : 911733</p>	<p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
Avg.	<p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	Left blank



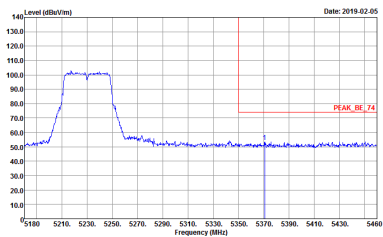
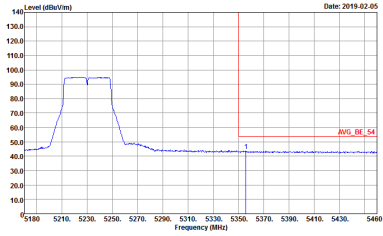
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz, VBW:3000.000KHz, SWT:Auto Detector : Peak Project : 911733</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz, VBW:1000KHz, SWT:Auto Detector : Peak Project : 911733</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 CH46 5230MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



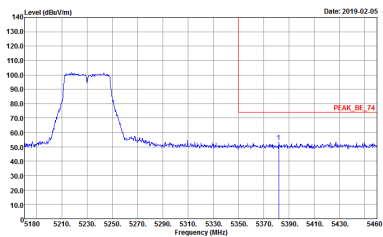
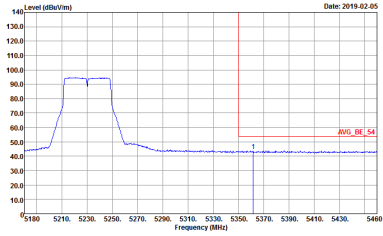
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 <p>           Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733         </p>	Left blank
Avg.	 <p>           Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733         </p>	Left blank





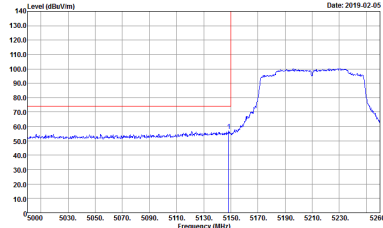
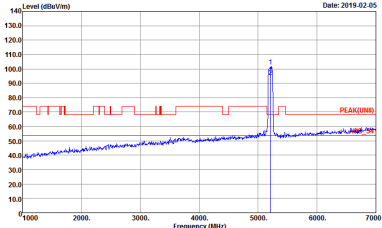
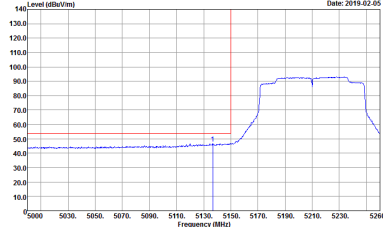
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Project : Peak            : 911733</p>	<p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Project : Peak            : 911733</p>
Avg.	<p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : RBW:1000.000KHz VBW:3.000KHz SWT:Auto            Project : Peak            : 911733</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 <p>           Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733         </p>	Left blank
Avg.	 <p>           Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733         </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 : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz, VBW:3000.000KHz, SWT:Auto Detector : Peak Project : 911733</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz, VBW:3.000KHz, SWT:Auto Detector : Peak Project : 911733</p>	Left blank



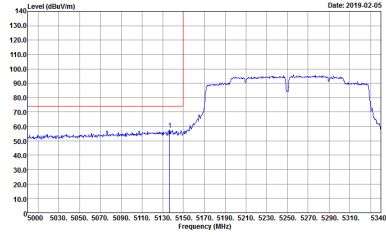
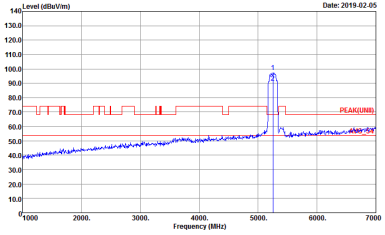
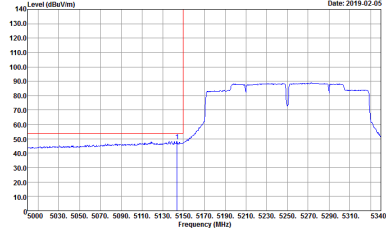
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	<p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
Avg.	<p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	Left blank



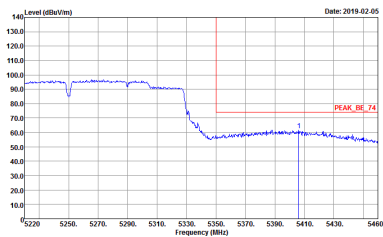
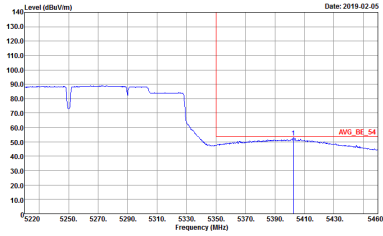
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911733</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 911733</p>	Left blank



**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT160 (Band Edge @ 3m)**

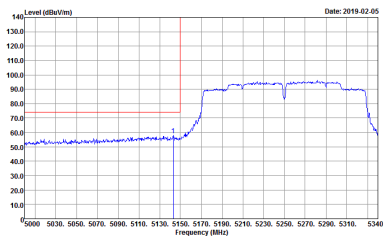
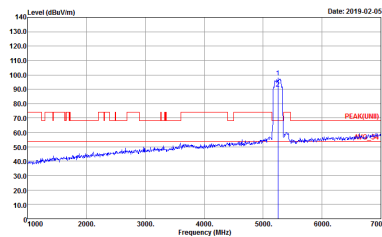
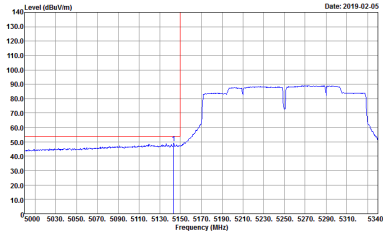
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>





WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
Avg.	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>		<p>Left blank</p>
<p><b>Avg.</b></p>		<p>Left blank</p>

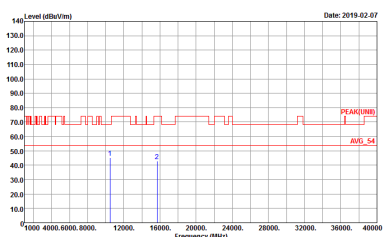
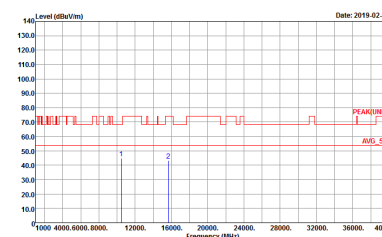


**Band 1 - 5150~5250MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT20 CH44 5220MHz</b>	
<b>1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
<b>Peak</b> <b>Avg.</b>	 <p>Site : 03CH16-11Y Condition : PEAK(UWB) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	 <p>Site : 03CH16-11Y Condition : PEAK(UWB) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</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
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>Site : 03CH16-11Y Condition : PEAK(UWB) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-11Y Condition : PEAK(UWB) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>

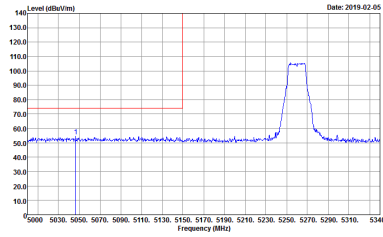
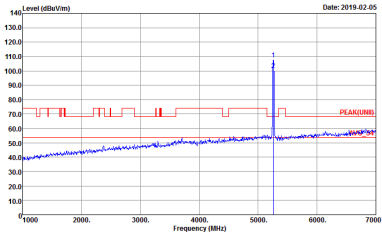
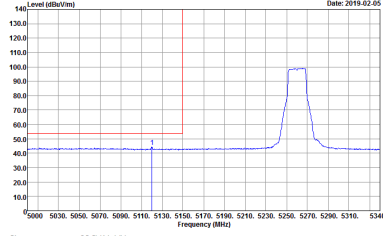


Band 1 5150~5250MHz
WIFI 802.11ac VHT160 (Harmonic @ 3m)

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 metadata like Site, Condition, Detector, and Project.



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<b>Left blank</b>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>		<p>Left blank</p>
<p><b>Avg.</b></p>		<p>Left blank</p>





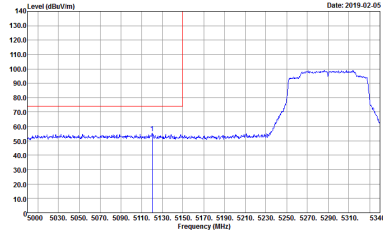
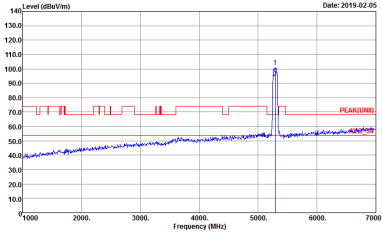
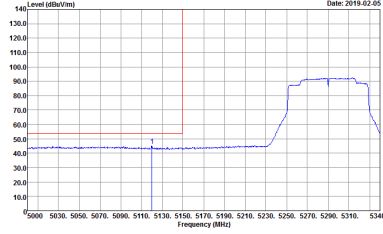
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	<p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
Avg.	<p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	Left blank



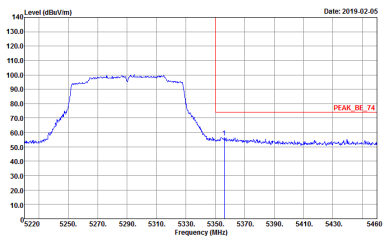
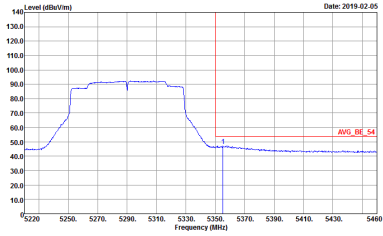
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>		<p>Left blank</p>
<p><b>Avg.</b></p>		<p>Left blank</p>



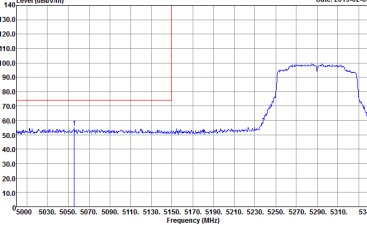
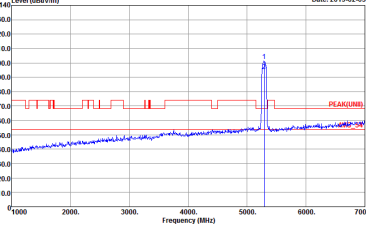
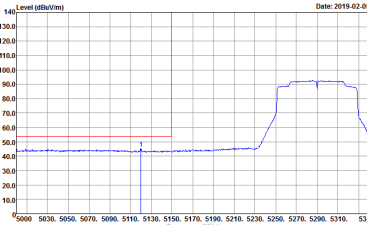
**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



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 : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</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 : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
Avg.	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>Site : 03CH16-11Y            Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Site : 03CH16-11Y            Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL            Detector : Peak            Project : 911733</p>



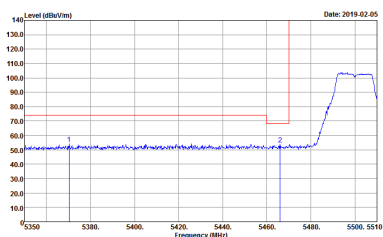
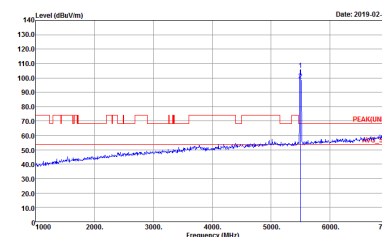
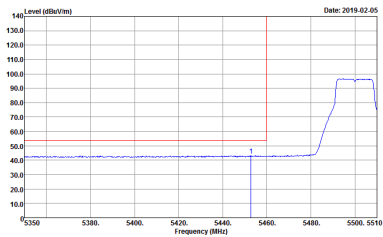
**Band 2 5250~5350MHz  
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>Site : 03CH16-11Y Condition : PEAK(UWB) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-11Y Condition : PEAK(UWB) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>

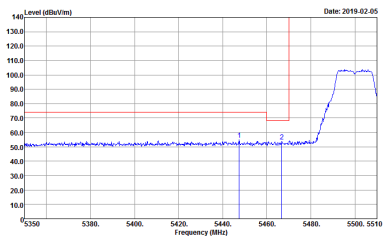
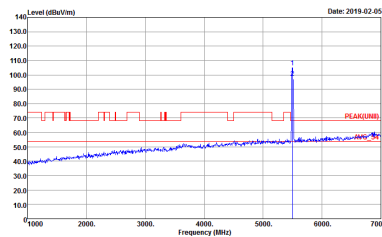
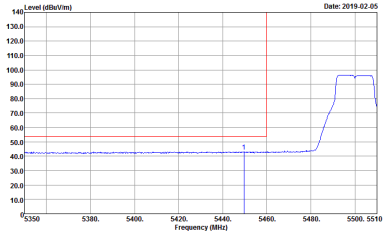




**Band 3 - 5470~5725MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

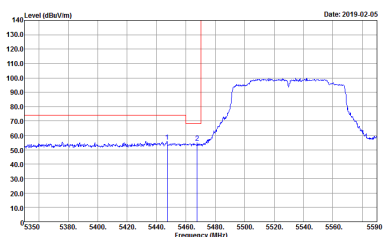
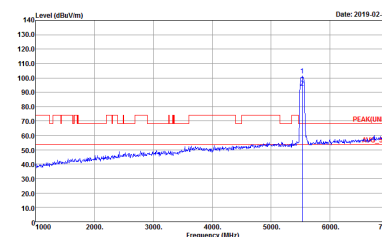
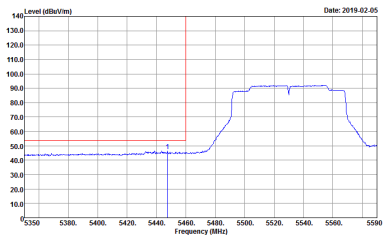
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<b>Left blank</b>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY            Condition : PEAK_BE(UNIT), B3 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
Avg.	 <p>Site : 03CH16-HY            Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	Left blank



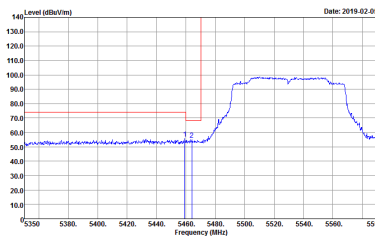
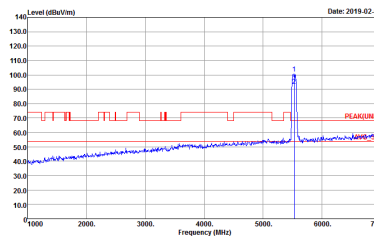
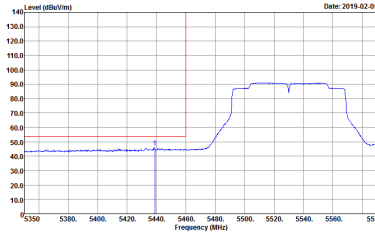
**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNIT)_3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : D3C416-4/F Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY            Condition : PEAK_BE(UNIT), B3 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
Avg.	 <p>Site : 03CH16-HY            Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : D3CH16-111 Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank



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

<b>WIFI</b>	<b>Band 3 5470~5725MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11a CH100 5500MHz</b>	
<b>1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</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</b> <b>Avg.</b>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>

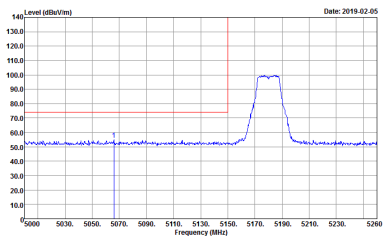
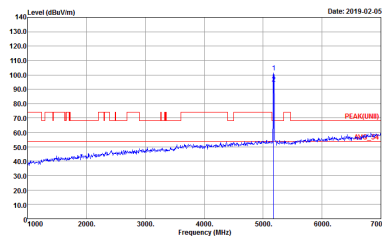
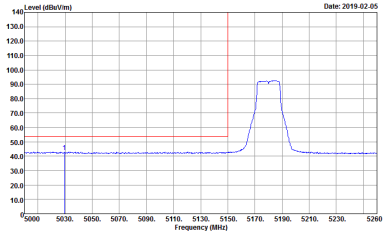




**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>
<b>Avg.</b>	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<b>Left blank</b>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Vertical	Fundamental
Peak	 <p>Date: 2019-02-05</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Date: 2019-02-05</p> <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
Avg.	 <p>Date: 2019-02-05</p> <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	Left blank



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

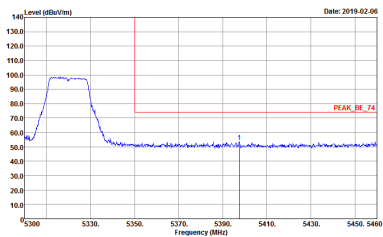
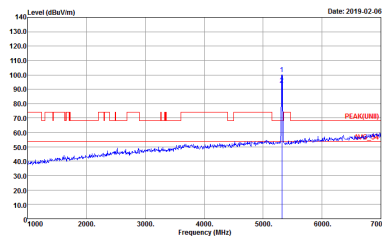
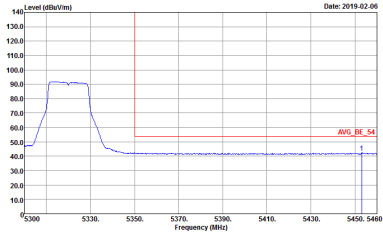
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Vertical
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>



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

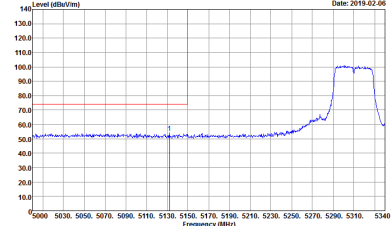
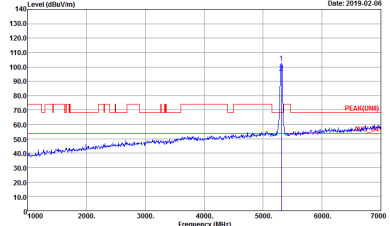
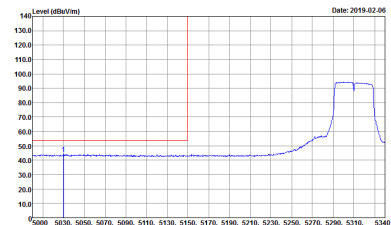
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Site : 03CH16-HY            Condition : PEAK(UM) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	<p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
2	Vertical	Fundamental
Peak	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
Avg.	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	Left blank



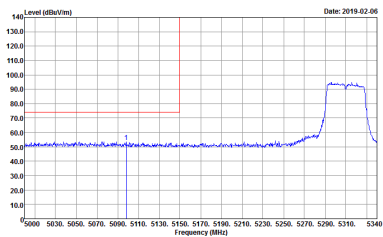
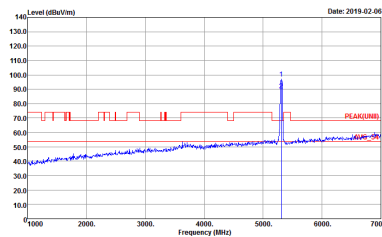
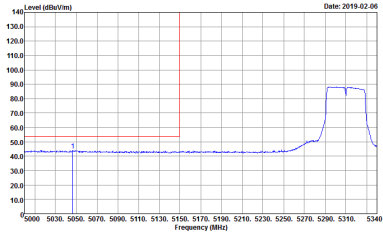
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
2	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



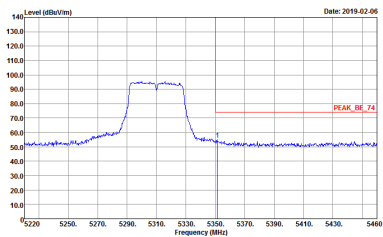
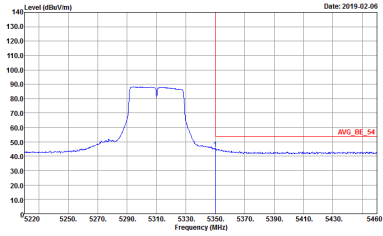
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
Avg.	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	Left blank





WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>



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

<b>WIFI</b>	<b>Band 2 5250~5350MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT20 CH64 5320MHz</b>	
<b>2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-11Y          Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL          Detector : Peak          Project : 911733</p>	<p>Site : 03CH16-11Y          Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL          Detector : Peak          Project : 911733</p>



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

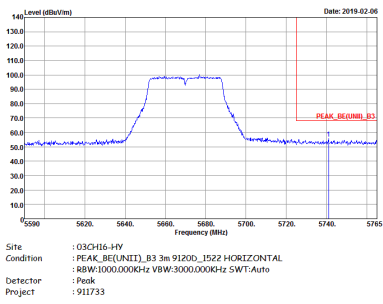
<b>WIFI</b>	<b>Band 2 5250~5350MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT40 CH62 5310</b>	
<b>2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>



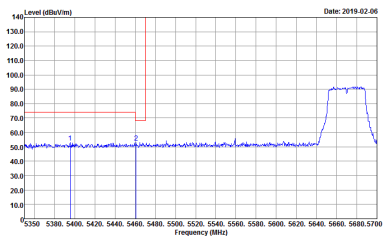
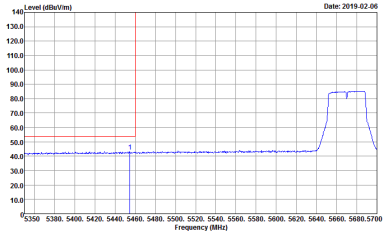
**Band 3 - 5470~5725MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
2	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH16-HY            Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p>Site : 03CH16-HY            Condition : PEAK(UNIT)_3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	<p>Site : 03CH16-HY            Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
2	Horizontal	Fundamental
Peak	 <p>Site : D3CH16-414 Condition : PEAK_BE([UNIT], B3 3m 91200_1522 HORIZONTAL) Detector : Peak Project : 911733</p>	Left blank



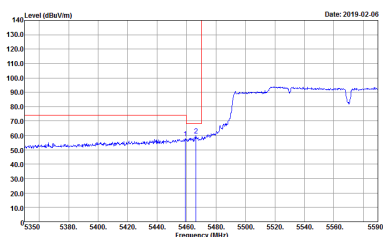
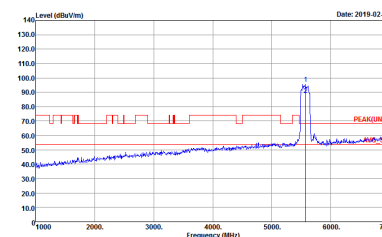
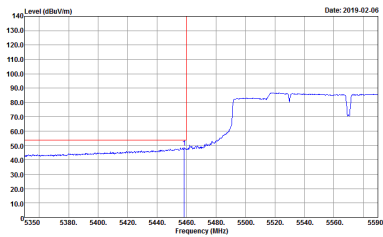
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
2	Vertical	Fundamental
Peak	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK_BE(UNIT), B3 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
Avg.	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
2	Vertical	Fundamental
Peak	<p>Site : D3CH16-414 Condition : PEAK_BE[UNII], B3 3m 91200_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank



**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT160 (Band Edge @ 3m)**

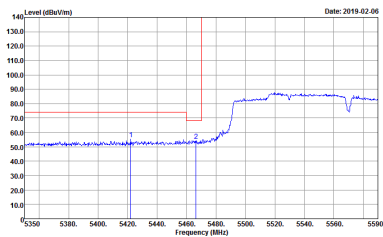
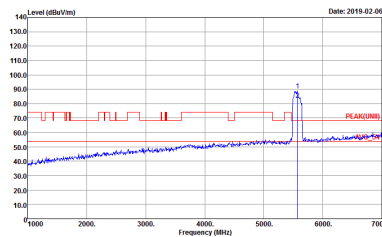
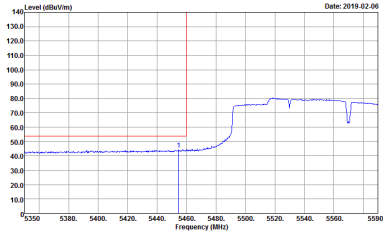
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5530MHz - L	
2	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE[UNIT], B3 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK[UNIT] 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE[UNIT], B3 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>





WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5530MHz - R	
2	Horizontal	Fundamental
Peak	<p>Site : D8CH16-114 Condition : PEAK_BE[UNIT], B3 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5530MHz - L	
2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE[UNII]_B3 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK[UNII] 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE[UNII]_B3 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p><b>Left blank</b></p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5530MHz - R	
2	Vertical	Fundamental
Peak	<p>Site : D8CH16-114 Condition : PEAK_BE[UNIT], B3 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank



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

<b>WIFI</b>	<b>Band 3 5470~5725MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT40 CH134 5670MHz</b>	
<b>2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>



**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT160 (Harmonic @ 3m)**

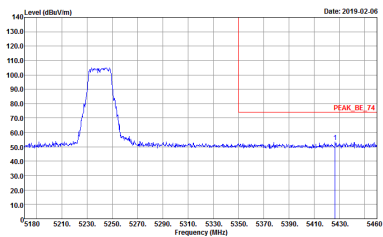
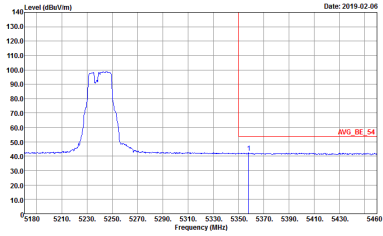
<b>WIFI</b>	<b>Band 3 5470~5725MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ac VHT160 CH114 5530MHz</b>	
<b>2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-114 Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-114 Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>



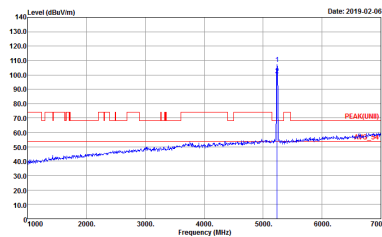
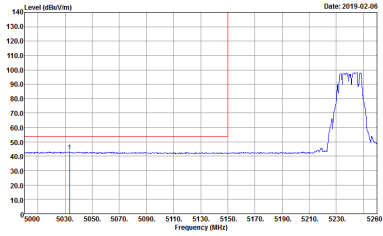
**Band 1 - 5150~5250MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>
<b>Avg.</b>	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<b>Left blank</b>



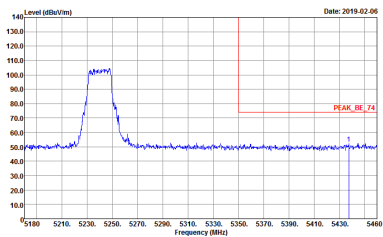
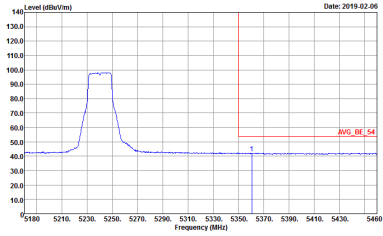
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
Avg.	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	Left blank

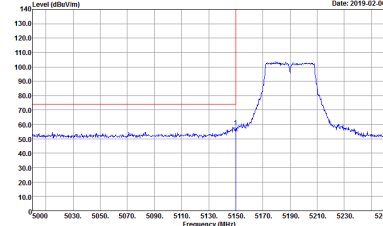
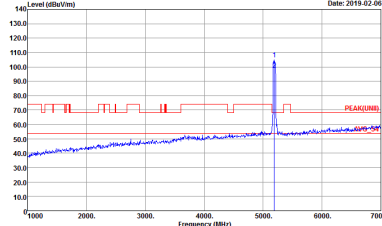
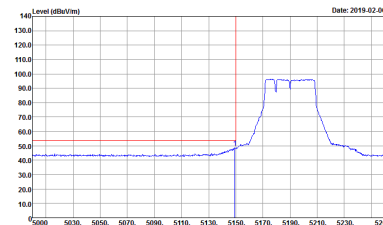




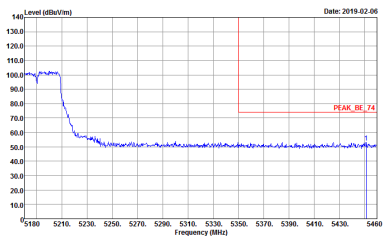
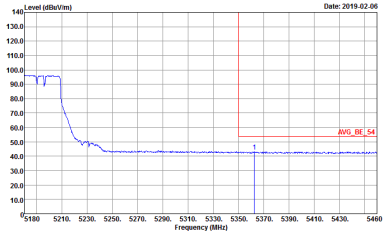
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>



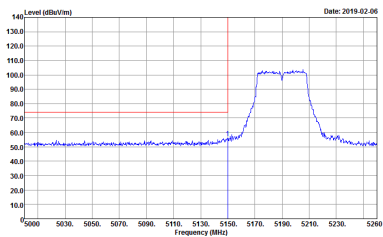
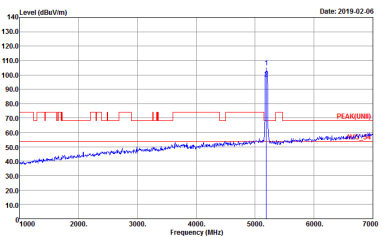
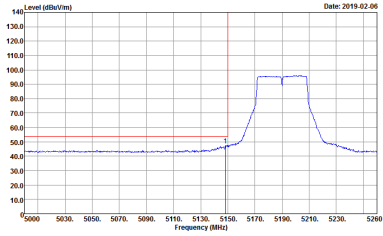
**Band 1 5150~5250MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
<p align="center"><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<p align="center"><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p align="center"><b>Left blank</b></p>

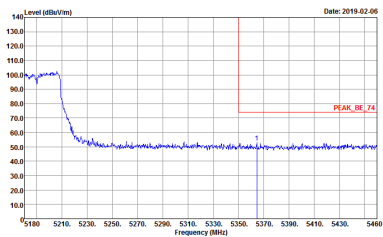
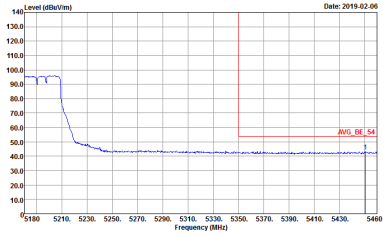


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY          Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL          RBW:1000.000KHz VBW:3000.000KHz SWT:Auto          Detector : Peak          Project : 911733</p>	Left blank
Avg.	 <p>Site : 03CH16-HY          Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL          RBW:1000.000KHz VBW:3.000KHz SWT:Auto          Detector : Peak          Project : 911733</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY          Condition : PEAK_BE_74 3m 91200_1522 VERTICAL          RBW:1000.000KHz VBW:3000.000KHz SWT:Auto          Detector : Peak          Project : 911733</p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY          Condition : PEAK(UNII) 3m 91200_1522 VERTICAL          RBW:1000.000KHz VBW:3000.000KHz SWT:Auto          Detector : Peak          Project : 911733</p>
Avg.	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY          Condition : AVG_BE_54 3m 91200_1522 VERTICAL          RBW:1000.000KHz VBW:3.000KHz SWT:Auto          Detector : Peak          Project : 911733</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p>Left blank</p>



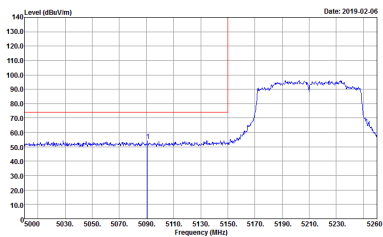
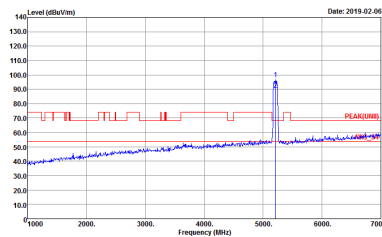
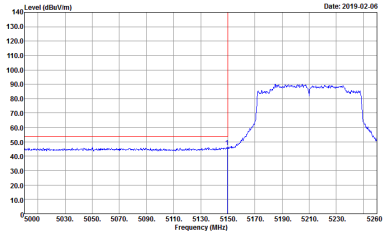
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Site : 03CH16-HY            Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	<p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
<p><b>Avg.</b></p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:10.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p><b>Left blank</b></p>

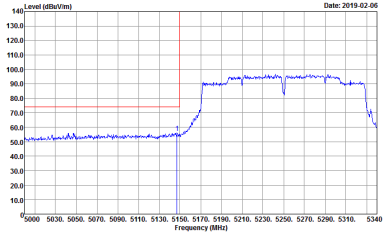
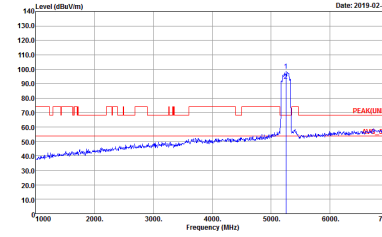
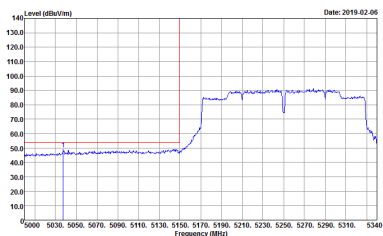




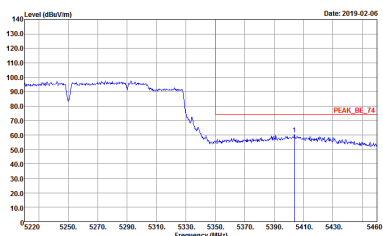
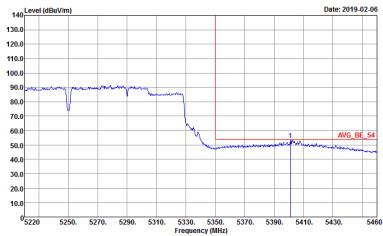
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911733</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911733</p>	Left blank



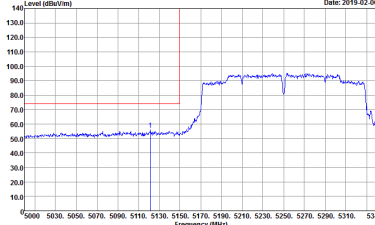
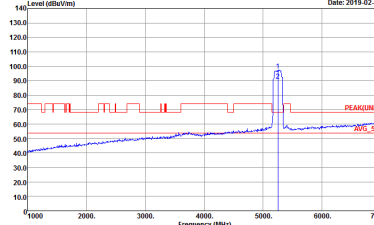
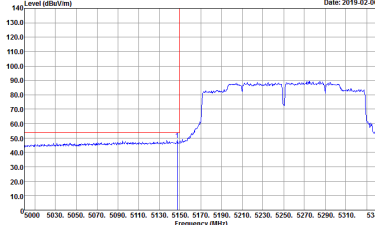
**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT160 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - L	
1+2	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:30.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<b>Left blank</b>

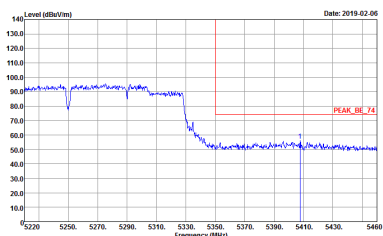
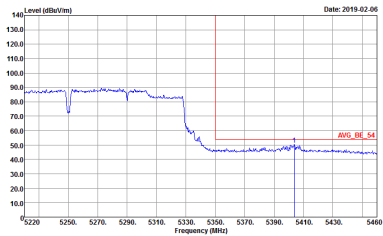


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - R	
1+2	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL            RBW:1000.000kHz VBW:30.000kHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - L	
1+2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:30.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p><b>Left blank</b></p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - R	
1+2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 9120D_1522 VERTICAL            RBW:1000.000kHz VBW:30.000kHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p>Left blank</p>



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

<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT20 CH48 5240MHz</b>	
<b>1+2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-11Y          Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL          Detector : Peak          Project : 911733</p>	<p>Site : 03CH16-11Y          Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL          Detector : Peak          Project : 911733</p>



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

<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT40 CH38 5190MHz</b>	
<b>1+2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>



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

<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ac VHT80 CH42 5210MHz</b>	
<b>1+2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>		



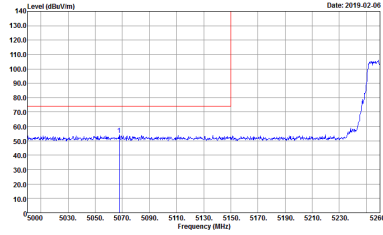
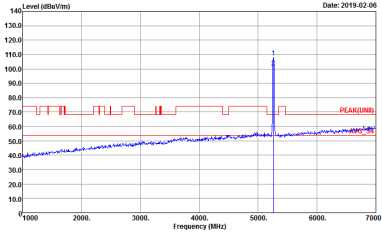
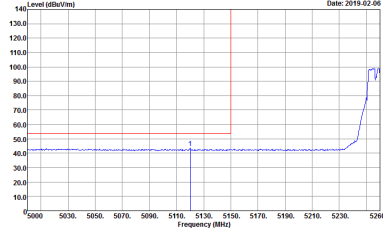


**Band 1 5150~5250MHz**  
**WIFI 802.11ac VHT160 (Harmonic @ 3m)**

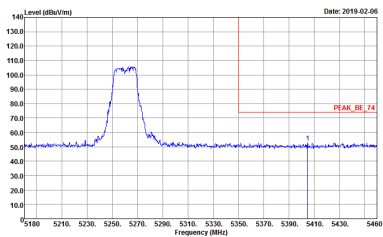
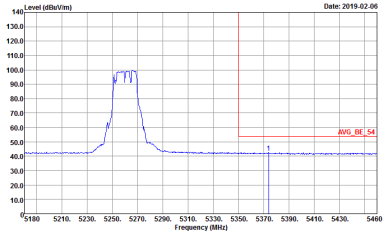
<b>WIFI</b>	<b>Band 1 5150~5250MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ac VHT160 CH50 5250MHz</b>	
<b>1+2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-HY          Condition : PEAK(LINE1) 3m 9120D_152Z HORIZONTAL          Detector : Peak          Project : 911733</p>	<p>Site : 03CH16-HY          Condition : PEAK(LINE1) 3m 9120D_152Z VERTICAL          Detector : Peak          Project : 911733</p>



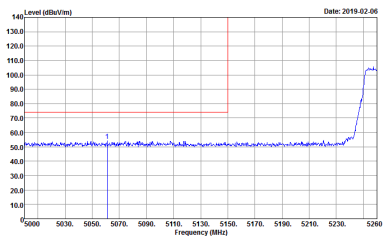
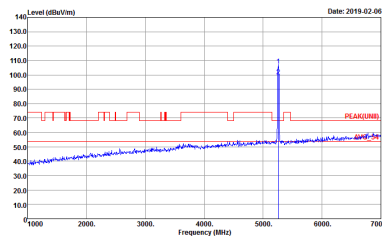
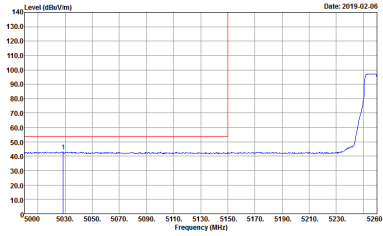
**Band 2 - 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
<p><b>Avg.</b></p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p><b>Left blank</b></p>



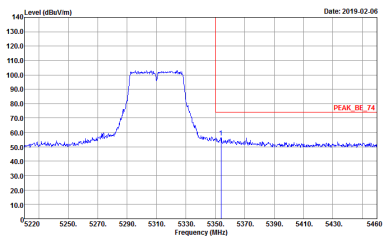
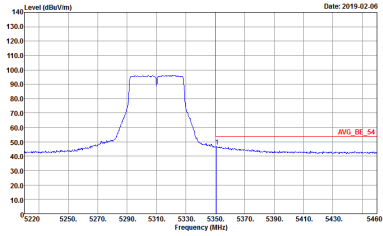
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank



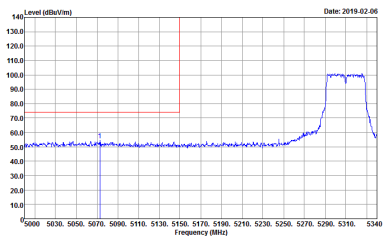
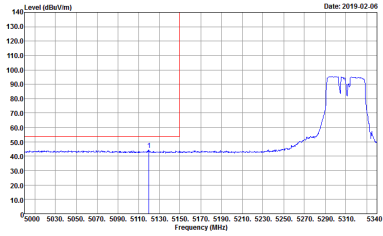
**Band 2 - 5250~5350MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Horizontal	Fundamental
<b>Peak</b>	<p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	<p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
Avg.	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	Left blank

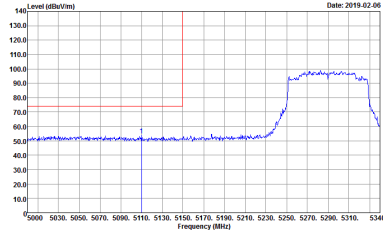
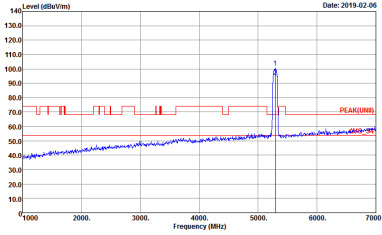
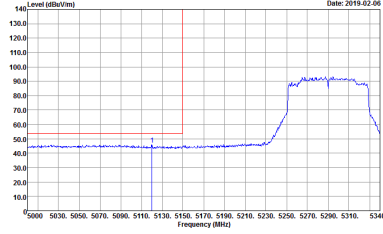




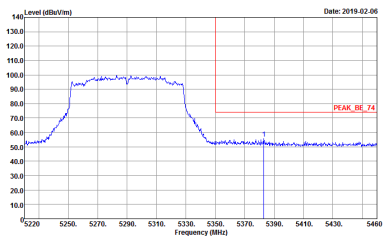
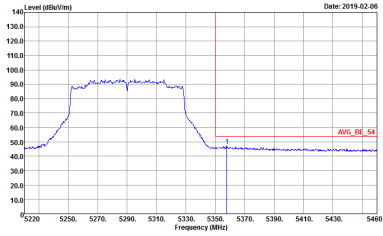
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz, VBW:3000.000KHz, SWT:Auto Detector : Peak Project : 911733</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz, VBW:3.000KHz, SWT:Auto Detector : Peak Project : 911733</p>	Left blank



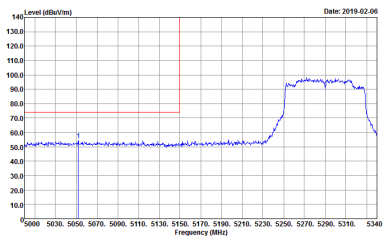
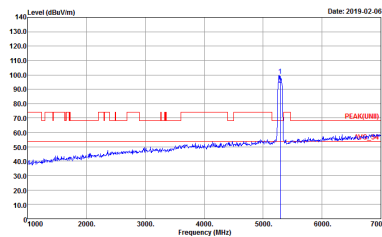
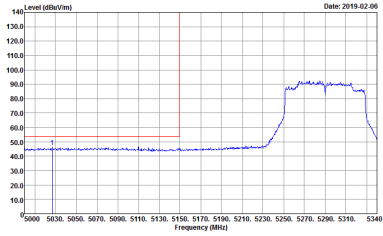
**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE_74 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNII) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE_54 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	<p><b>Left blank</b></p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank



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

Table with 3 columns: WIFI, ANT, and 1+2. The 1+2 column contains two graphs: Horizontal and Vertical. Each graph shows Level (dBuV/m) vs Frequency (MHz) with peak and average values. Includes metadata like Site, Condition, Detector, and Project.



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

Table with 2 columns: Horizontal and Vertical. Each column contains a spectral plot of Level (dBuV/m) vs Frequency (MHz) and associated test parameters like Site, Condition, Detector, and Project.



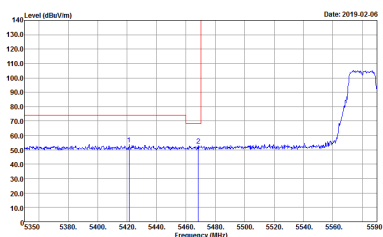
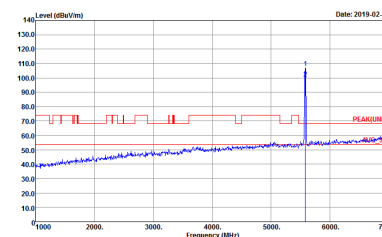
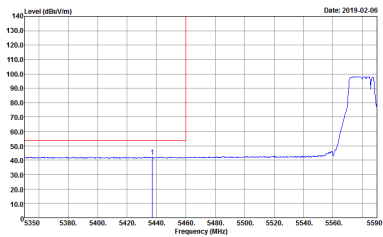
**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 2 5250~5350MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ac VHT80 CH58 5290MHz</b>	
<b>1+2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>		





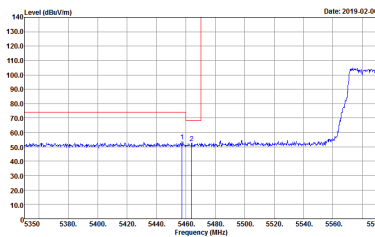
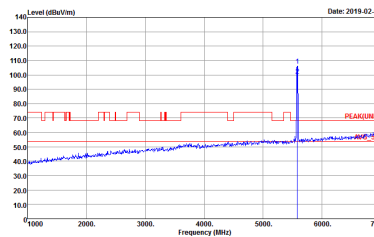
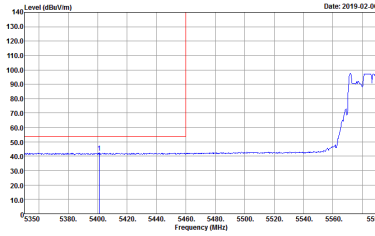
**Band 3 - 5470~5725MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE(UNIT), B3 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE(UNIT), B3 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : D3CH16-111 Condition : PEAK_BE([UNIT], B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz, VBW:3000.000KHz, SWT:Auto Detector : Peak Project : 911733</p>	Left blank



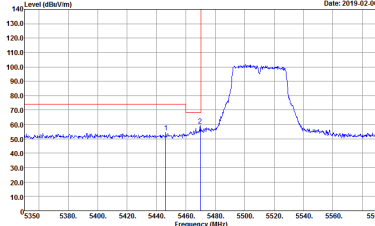
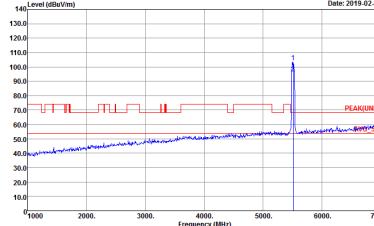
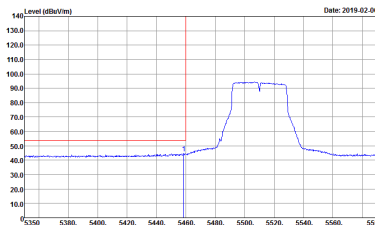
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK_BE(UNIT), B3 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
<p><b>Avg.</b></p>	 <p>Date: 2019-02-06</p> <p>Site : 03CH16-HY            Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL            : RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<p><b>Left blank</b></p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : D3CH16-414 Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank



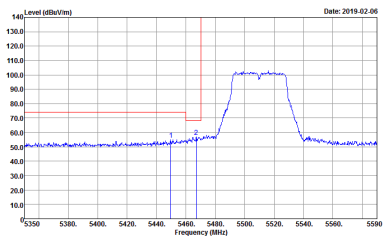
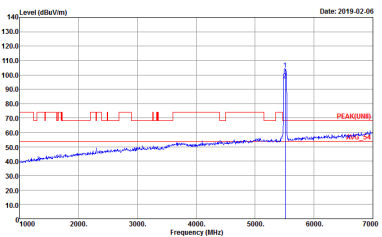
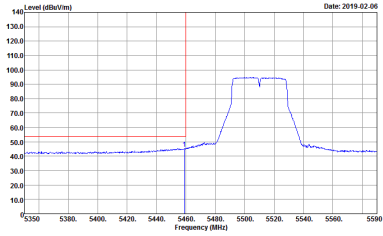
**Band 3 5470~5725MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT)_3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : D3CH16-111 Condition : PEAK_BE[UNIT], B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH16-HY            Condition : PEAK_BE(UNIT), B3 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH16-HY            Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL            Detector : Peak            Project : 911733</p>	<p>Left blank</p>

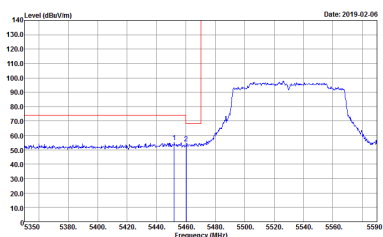
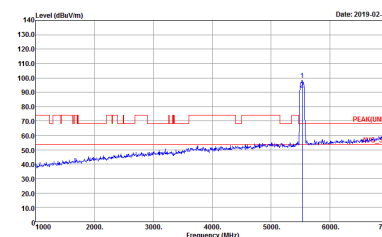
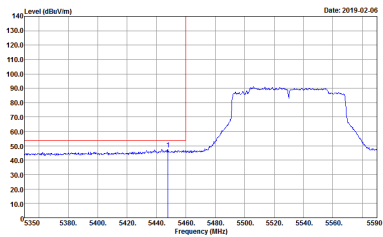


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site: D3CH16-111 Condition: PEAK_BE([UNIT], B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector: Peak Project: 911733</p>	Left blank





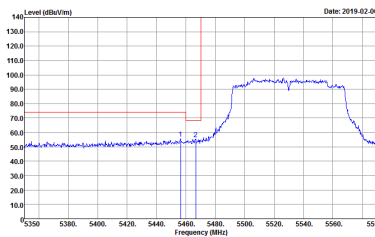
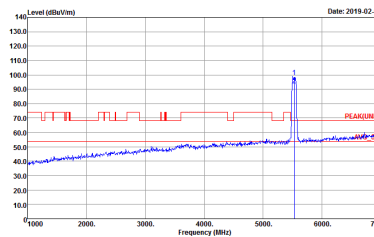
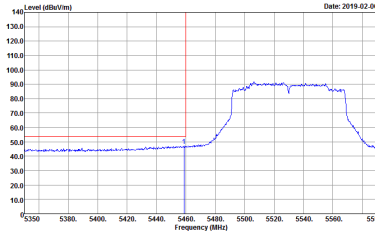
**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNIT)_3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : D3CH16-4/F Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	Left blank



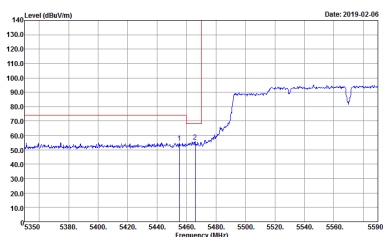
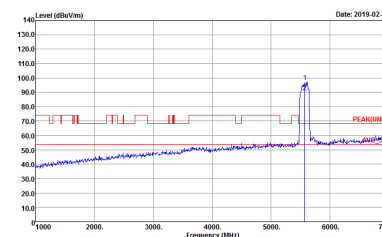
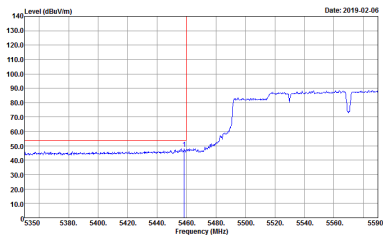
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY          Condition : PEAK_BE(UNIT), B3 3m 91200_1522 VERTICAL          Detector : Peak          Project : 911733</p>	 <p>Site : 03CH16-HY          Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL          Detector : Peak          Project : 911733</p>
Avg.	 <p>Site : 03CH16-HY          Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL          Detector : Peak          Project : 911733</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : D3CH16-414 Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank



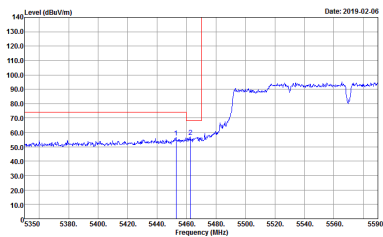
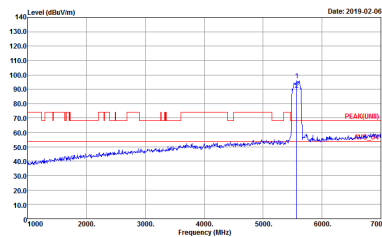
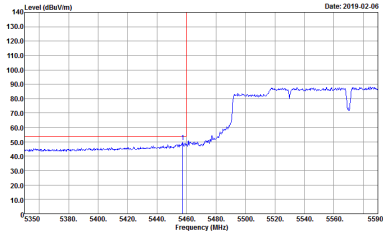
**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT160 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5570MHz - L	
1+2	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH16-HY            Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	 <p>Site : 03CH16-HY            Condition : PEAK(UNIT)_3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>
<b>Avg.</b>	 <p>Site : 03CH16-HY            Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL            RBW:1000.000KHz VBW:10.000KHz SWT:Auto            Detector : Peak            Project : 911733</p>	<b>Left blank</b>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5570MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : D8CH16-114 Condition : PEAK_BE[UNIT], B3 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 911733</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5570MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY          Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL          RBW:1000.000KHz VBW:3000.000KHz SWT:Auto          Detector : Peak          Project : 911733</p>	 <p>Site : 03CH16-HY          Condition : PEAK(UNIT)_3m 91200_1522 VERTICAL          RBW:1000.000KHz VBW:3000.000KHz SWT:Auto          Detector : Peak          Project : 911733</p>
Avg.	 <p>Site : 03CH16-HY          Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL          RBW:1000.000KHz VBW:10.000KHz SWT:Auto          Detector : Peak          Project : 911733</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5570MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : D8CH16-1# Condition : PEAK_BE[UNII], B3 3m 9120D_1522 VERTICAL Detector : Peak Project : 911733</p>	Left blank





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

<b>WIFI</b>	<b>Band 3 5470~5725MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT20 CH116 5580MHz</b>	
<b>1+2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-11Y          Condition : PEAK(LINE) 3m 9120D_1522 HORIZONTAL          Detector : Peak          Project : 911733</p>	<p>Site : 03CH16-11Y          Condition : PEAK(LINE) 3m 9120D_1522 VERTICAL          Detector : Peak          Project : 911733</p>



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

<b>WIFI</b>	<b>Band 3 5470~5725MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT40 CH102 5510MHz</b>	
<b>1+2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 911733</p>



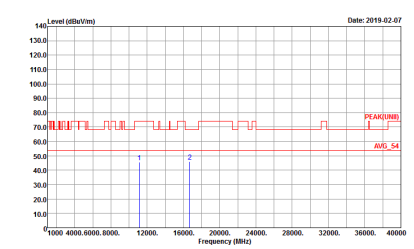
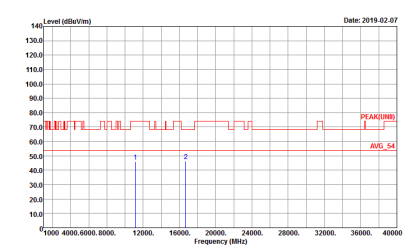
**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

<b>WIFI</b>	<b>Band 3 5470~5725MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11ac VHT80 CH106 5530MHz</b>	
<b>1+2</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 911733</p>



Band 3 5470~5725MHz

WIFI 802.11ac VHT160 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT160 CH114 5570MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH16-114          Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL          Detector : Peak          Project : 911733</p>	 <p>Site : 03CH16-114          Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL          Detector : Peak          Project : 911733</p>



Emission below 1GHz  
5GHz WIFI 802.11ac VHT160 (LF)

WIFI	5GHz 5150~5725MHz	
ANT	802.11ac VHT160 LF	
1+2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH16-11Y Condition : QP 3m BILLOG_47020406 HORIZONTAL Detector : Peak Project : 911733</p>	<p>Site : 03CH16-11Y Condition : QP 3m BILLOG_47020406 VERTICAL Detector : Peak Project : 911733</p>



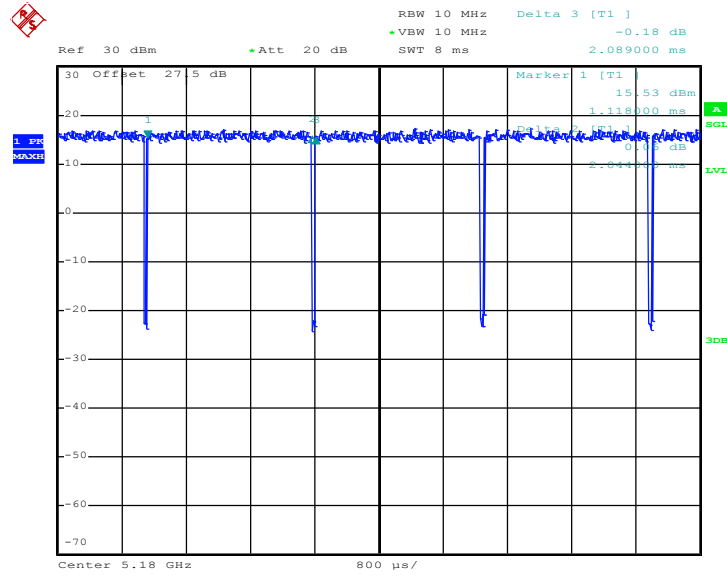
## Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor (dB)
1	802.11a	97.85	2044.00	0.49	1kHz	0.09
2	802.11a	97.33	2044.00	0.49	1kHz	0.12
1	5GHz 802.11n HT20	97.14	1904.00	0.53	1kHz	0.13
2	5GHz 802.11n HT20	97.96	1920.00	0.52	1kHz	0.09
1+2	5GHz 802.11n HT20 Ant. 1	97.44	1904.00	0.53	1kHz	0.11
1+2	5GHz 802.11n HT20 Ant. 2	96.67	1915.00	0.52	1kHz	0.15
1	5GHz 802.11n HT40	94.98	928.00	1.08	3kHz	0.22
2	5GHz 802.11n HT40	95.80	936.00	1.07	3kHz	0.19
1+2	5GHz 802.11n HT40 Ant. 1	94.80	929.00	1.08	3kHz	0.23
1+2	5GHz 802.11n HT40 Ant. 2	94.55	936.00	1.07	3kHz	0.24
1	5GHz 802.11ac VHT80	93.33	588.00	1.70	3kHz	0.30
1+2	5GHz 802.11ac VHT80 Ant. 1	85.87	316.00	3.16	10kHz	0.66
1+2	5GHz 802.11ac VHT80 Ant. 2	86.02	320.00	3.13	10kHz	0.65
1	5GHz 802.11ac VHT160	93.33	588.00	1.70	3kHz	0.30
2	5GHz 802.11ac VHT160	93.27	582.00	1.72	3kHz	0.30
1+2	5GHz 802.11ac VHT160 Ant. 1	86.02	320.00	3.13	10kHz	0.65
1+2	5GHz 802.11ac VHT160 Ant. 2	86.96	320.00	3.13	10kHz	0.61



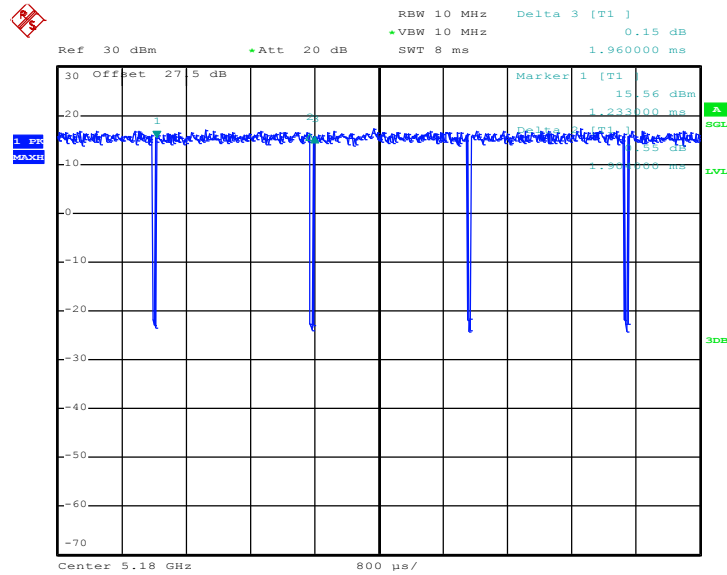
<Ant. 1>

802.11a



Date: 21.JAN.2019 20:41:25

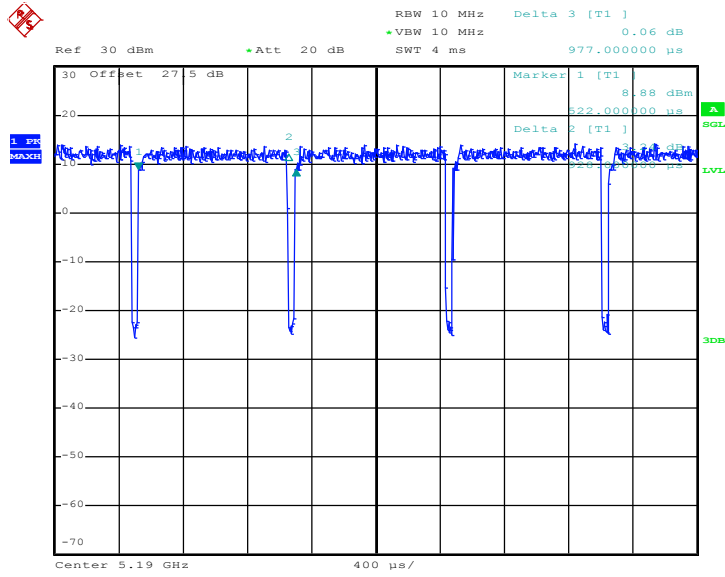
802.11n HT20



Date: 21.JAN.2019 22:12:25

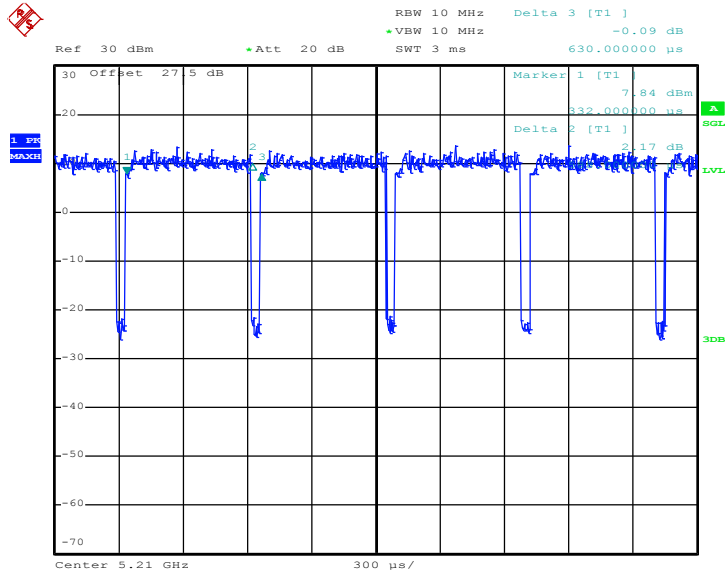


802.11n HT40



Date: 21.JAN.2019 23:28:26

802.11ac VHT80

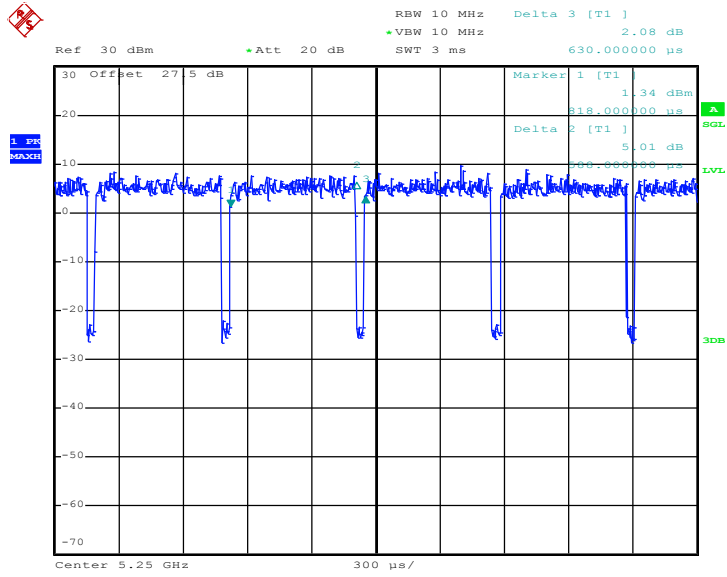


Date: 22.JAN.2019 00:50:58





802.11ac VHT160

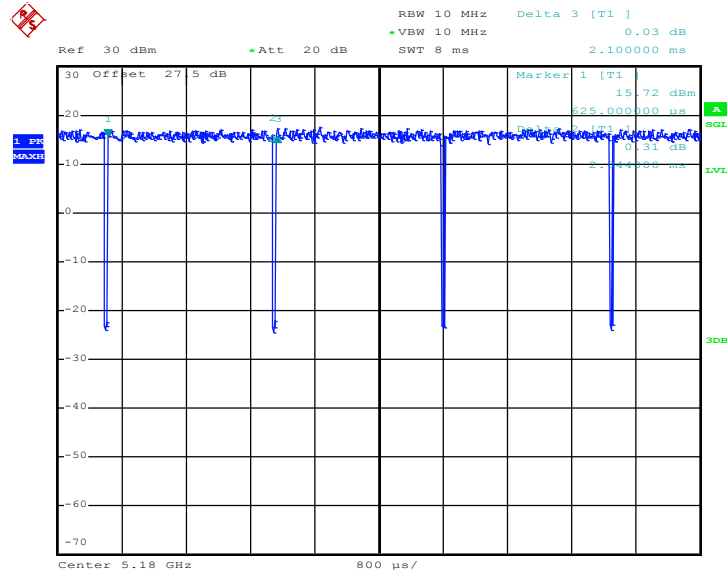


Date: 22.JAN.2019 01:34:22



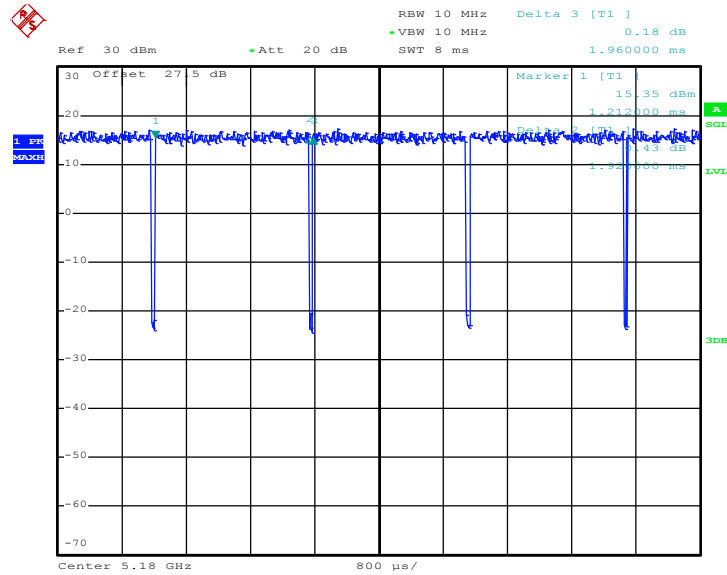
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802.11a



Date: 21.JAN.2019 20:44:51

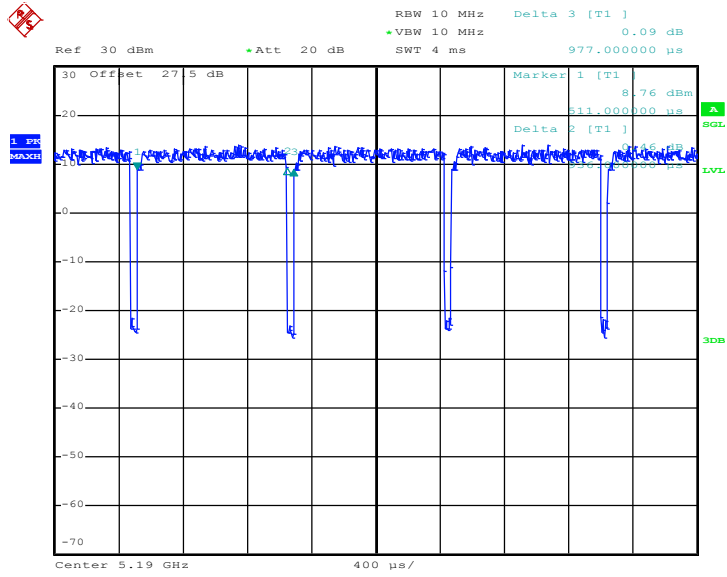
802.11n HT20



Date: 21.JAN.2019 22:15:13

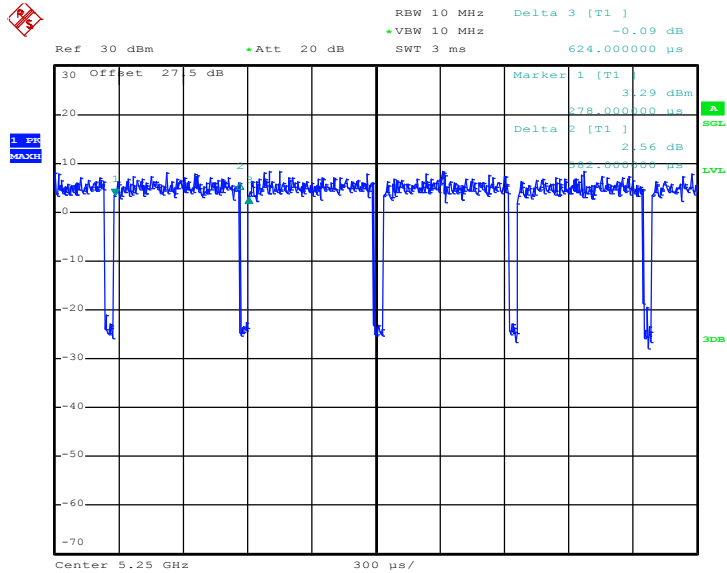


802.11n HT40



Date: 21.JAN.2019 23:29:46

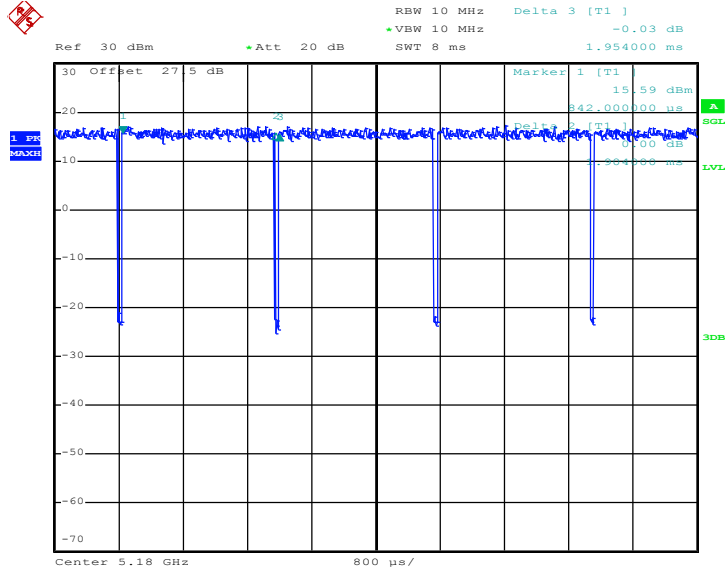
802.11ac VHT160



Date: 22.JAN.2019 01:41:16

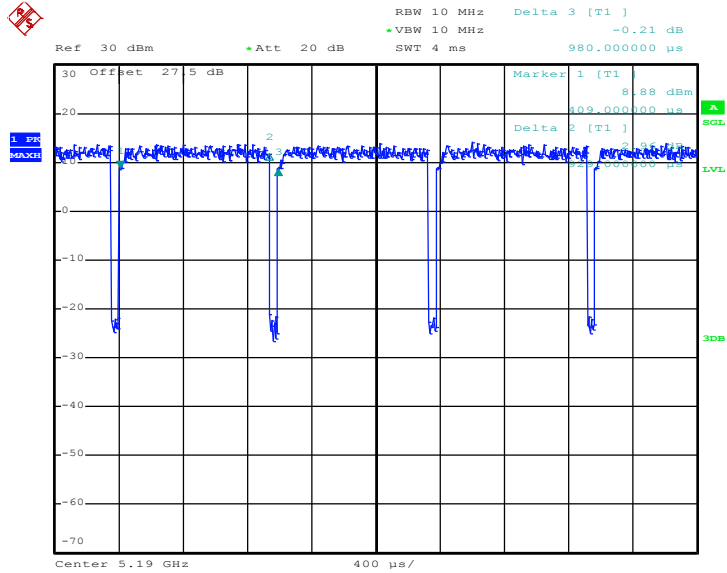


MIMO <Ant. 1>  
802.11n HT20



Date: 21.JAN.2019 22:20:06

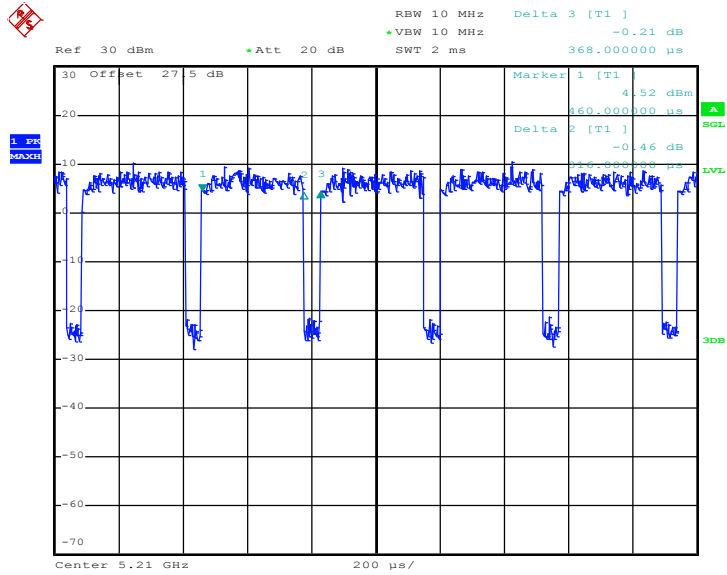
802.11n HT40



Date: 21.JAN.2019 23:31:37

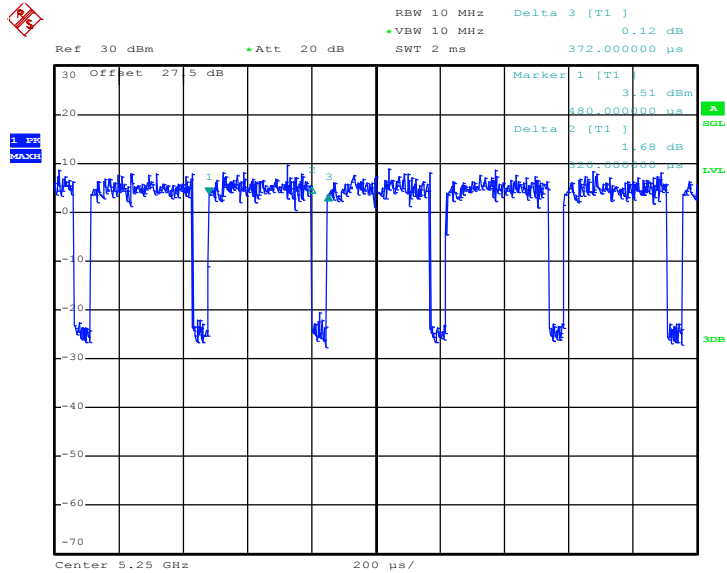


802.11ac VHT80



Date: 22.JAN.2019 00:45:32

802.11ac VHT160

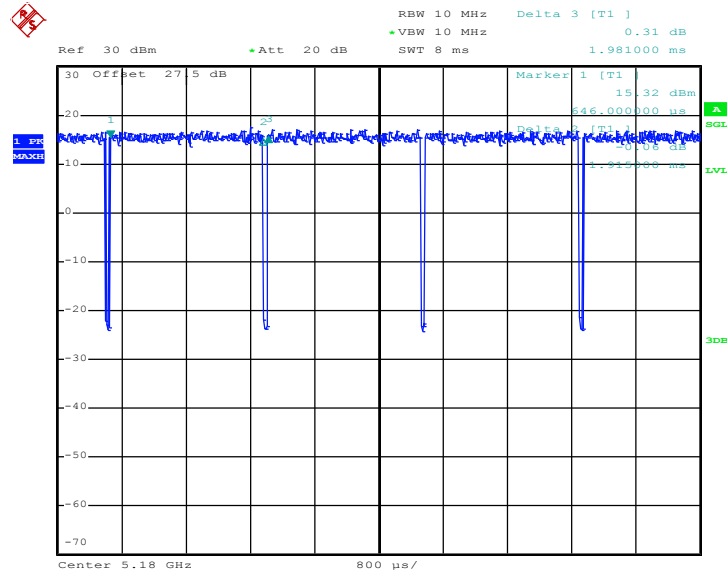


Date: 22.JAN.2019 01:29:49



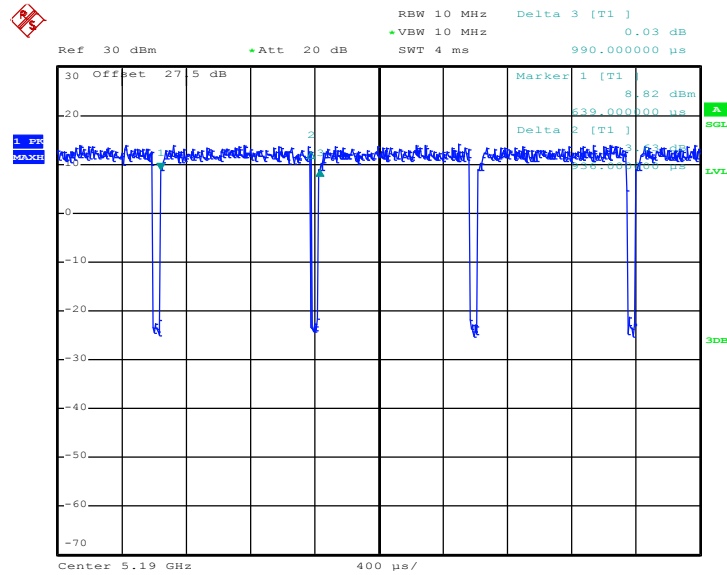
MIMO <Ant. 2>

802.11n HT20



Date: 21.JAN.2019 22:20:59

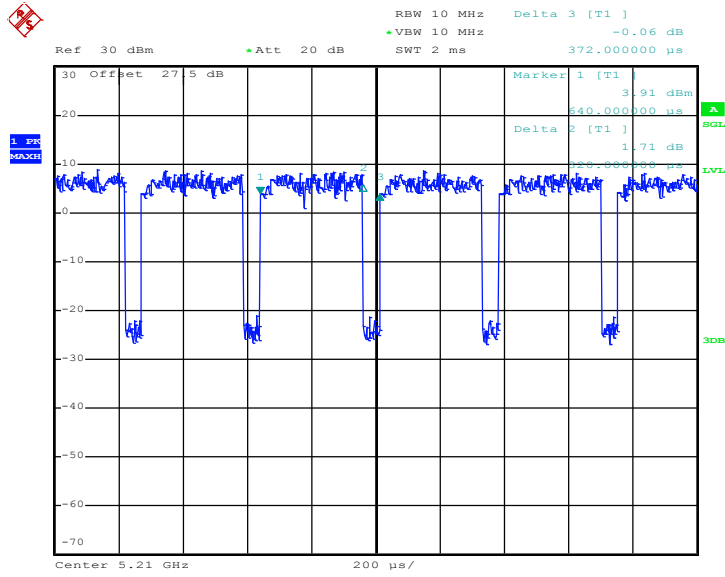
802.11n HT40



Date: 21.JAN.2019 23:32:15

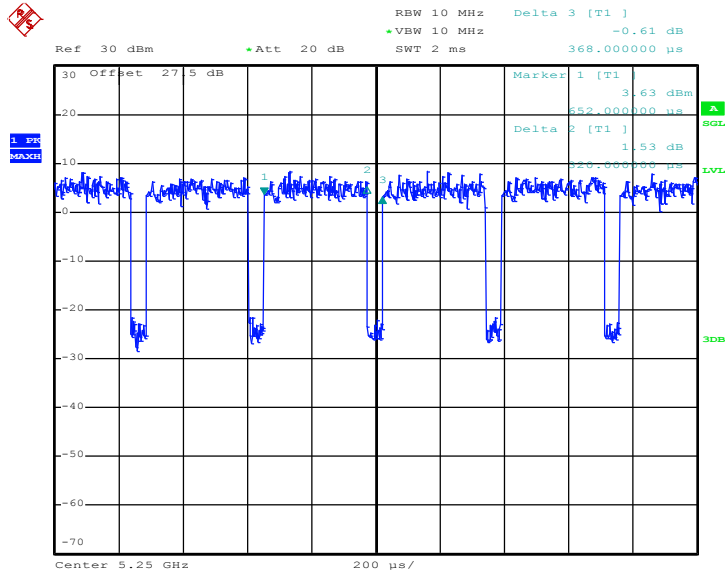


802.11ac VHT80



Date: 22.JAN.2019 00:46:14

802.11ac VHT160



Date: 22.JAN.2019 01:30:31