



FCC RADIO TEST REPORT

FCC ID : EJE-WB0106
Equipment : LIFEBOOK U939X
Brand Name : FUJITSU
Model Name : U939X
Applicant : FUJITSU CLIENT COMPUTING LIMITED
1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki, 211-8588 Japan
Manufacturer : FUJITSU CLIENT COMPUTING 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 Feb. 19, 2019 and testing was started from Feb. 26, 2019 and completed on Apr. 08, 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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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 0.55 dB at 5403.840 MHz
3.3	15.207	AC Conducted Emission	Pass	Under limit 12.25 dB at 0.186 MHz
3.4	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Wii Chang

Report Producer: Natasha Hsieh



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	
Integrated WLAN Module	Brand Name: Intel Model Name: 9560NGW
Antenna Type	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

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

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

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	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	
Test Site No.	Sporton Site No.	
	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 Notebook type and three orthogonal panels, (X, Y, Z). The worst cases (X plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	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 [#]	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 [#]	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 [#]	5610	128	5640



Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138 [#]	5690	144	5720
	142 [*]	5710		

Note:

1. The above Frequency and Channel 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 + Earphone + Adapter



Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	-	-	100
M	Middle	-	-	-
H	High	-	64	-
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	-	-	-
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	-
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	-	-	-
M	Middle	42	58	-
H	High	-	-	-
Straddle		-	-	138

Ch. #		Band I~II : 5150--5350 MHz		Band III : 5470-5725MHz
		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

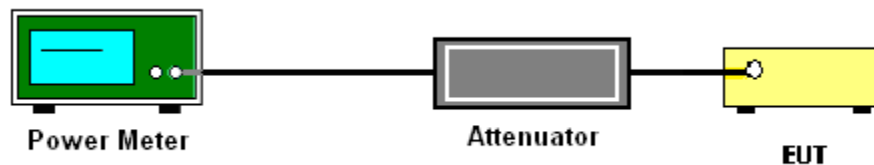
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

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

3.1.4 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.³
- (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.⁴

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

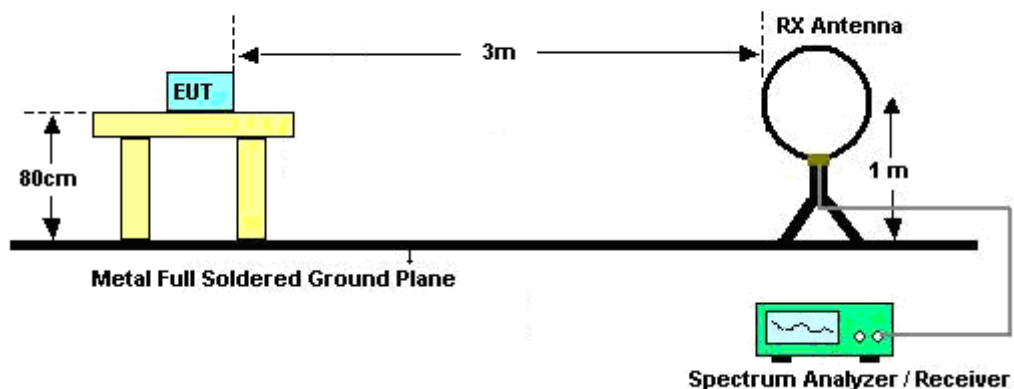
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

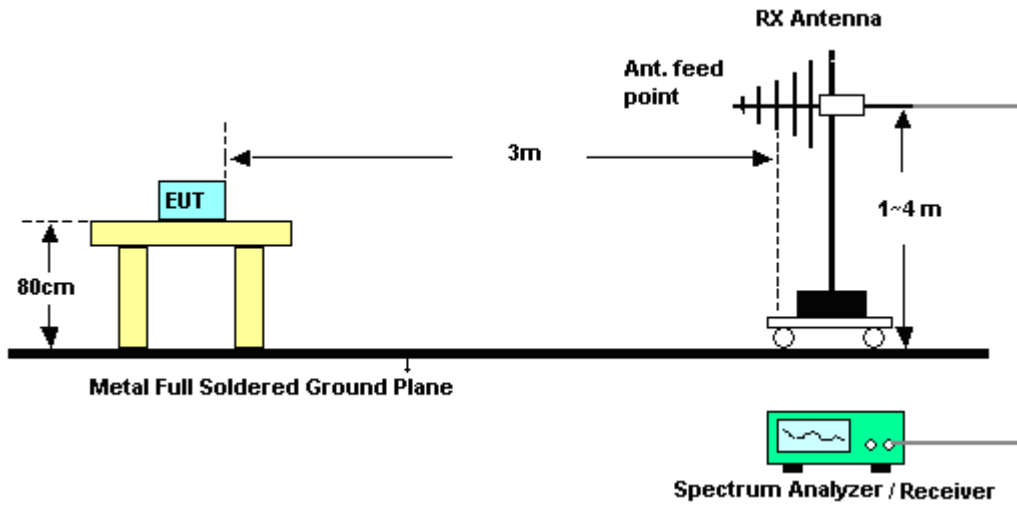
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

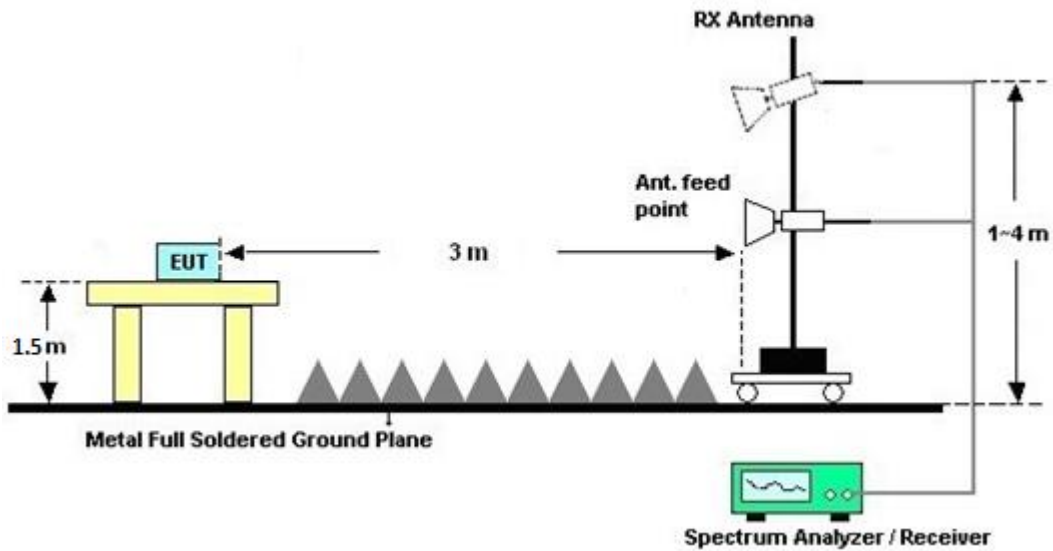
For radiated emissions below 30MHz



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 μ 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.

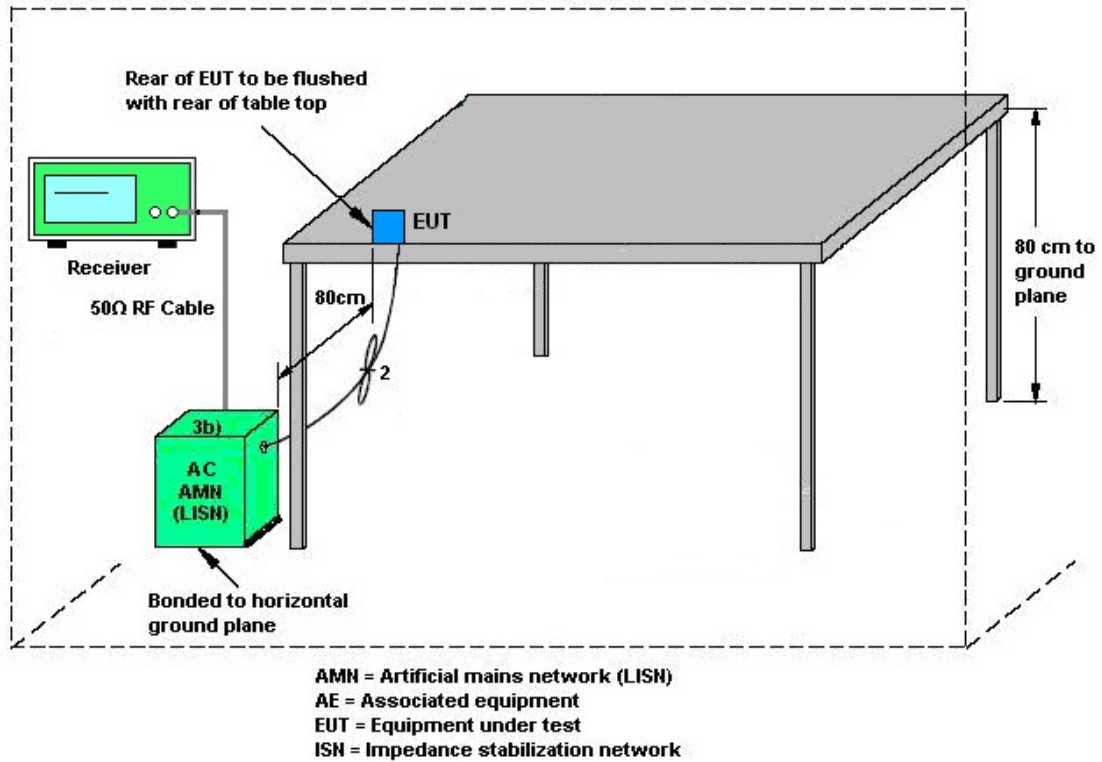
3.3.2 Measuring Instruments

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.

<CDD Modes>				
			DG for Power (dBi)	Power Limit Reduction (dB)
	Ant. 1 (dBi)	Ant. 2 (dBi)		
Band I	2.98	3.10	3.10	0.00
Band II	2.98	3.10	3.10	0.00
Band III	2.46	3.22	3.22	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 Meter	Anritsu	ML2495A	1132003	N/A	Aug. 16, 2018	Mar. 19, 2019	Aug. 15, 2019	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1126017	300MHz~40GHz	Aug. 16, 2018	Mar. 19, 2019	Aug. 15, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV 30	100895	9kHz~30GHz	Apr. 20, 2018	Mar. 19, 2019	Apr. 19, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Apr. 17, 2018	Mar. 19, 2019	Apr. 16, 2019	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 08, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Apr. 08, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Apr. 08, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Apr. 08, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 08, 2019	N/A	Conduction (CO05-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Sep. 14, 2018	Apr. 08, 2019	Sep. 13, 2019	Conduction (CO05-HY)
Software	Audix	E3 6.2009-8-24c	RK-001179	N/A	N/A	Apr. 08, 2019	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	9561-FN00373	9kHz~200MHz	Nov. 08, 2018	Apr. 08, 2019	Nov. 07, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Nov. 23, 2017	Feb. 26, 2019~Mar. 05, 2019	Nov. 22, 2019	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&0802N1D01N-06	47020&06	30MHz to 1GHz	Oct. 13, 2018	Feb. 26, 2019~Mar. 05, 2019	Oct. 12, 2019	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Sep. 07, 2018	Feb. 26, 2019~Mar. 05, 2019	Sep. 06, 2019	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	May 08, 2018	Feb. 26, 2019~Mar. 05, 2019	May 07, 2019	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY57290111	3Hz~26.5GHz	Nov. 29, 2018	Feb. 26, 2019~Mar. 05, 2019	Nov. 28, 2019	Radiation (03CH16-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Apr. 17, 2018	Feb. 26, 2019~Mar. 05, 2019	Apr. 16, 2019	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1000MHz	Oct. 02, 2018	Feb. 26, 2019~Mar. 05, 2019	Oct. 01, 2019	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800054001	1GHz~18GHz	Apr. 16, 2018	Feb. 26, 2019~Mar. 05, 2019	Apr. 15, 2019	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 12, 2018	Feb. 26, 2019~Mar. 05, 2019	Dec. 11, 2019	Radiation (03CH16-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	Feb. 26, 2019~Mar. 05, 2019	Jul. 15, 2019	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30M-18G	N/A	Feb. 26, 2019~Mar. 05, 2019	N/A	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15539/4	30M-18G	N/A	Feb. 26, 2019~Mar. 05, 2019	N/A	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36979/4	30M~18GHz	N/A	Feb. 26, 2019~Mar. 05, 2019	N/A	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Feb. 26, 2019~Mar. 05, 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:	Howard Lin	Temperature:	21~25	°C
Test Date:	2019/3/19	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	10.20	10.20	
11a	6Mbps	1	44	5220	10.10	10.20	
11a	6Mbps	1	48	5240	10.30	10.30	
HT20	MCS0	1	36	5180	10.20	10.20	
HT20	MCS0	1	44	5220	10.40	10.20	
HT20	MCS0	1	48	5240	10.30	10.20	
HT40	MCS0	1	38	5190	10.40	10.20	
HT40	MCS0	1	46	5230	10.20	10.20	
VHT20	MCS0	1	36	5180	10.10	10.10	
VHT20	MCS0	1	44	5220	10.30	10.10	
VHT20	MCS0	1	48	5240	10.20	10.10	
VHT40	MCS0	1	38	5190	10.30	10.10	
VHT40	MCS0	1	46	5230	10.10	10.10	
VHT80	MCS0	1	42	5210	10.10	10.10	
VHT160	MCS0	1	50	5250	10.10	10.10	
11a	6Mbps	2	36	5180	10.30	10.10	13.21
11a	6Mbps	2	44	5220	10.10	10.20	13.16
11a	6Mbps	2	48	5240	10.40	10.20	13.31
HT20	MCS0	2	36	5180	10.20	10.20	13.21
HT20	MCS0	2	44	5220	10.40	10.20	13.31
HT20	MCS0	2	48	5240	10.40	10.20	13.31
HT40	MCS0	2	38	5190	10.40	10.20	13.31
HT40	MCS0	2	46	5230	10.40	10.20	13.31
VHT20	MCS0	2	36	5180	10.10	10.10	13.11
VHT20	MCS0	2	44	5220	10.30	10.10	13.21
VHT20	MCS0	2	48	5240	10.30	10.10	13.21
VHT40	MCS0	2	38	5190	10.30	10.10	13.21
VHT40	MCS0	2	46	5230	10.30	10.10	13.21
VHT80	MCS0	2	42	5210	10.40	10.10	13.26
VHT160	MCS0	2	50	5250	10.20	10.00	13.11

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	10.30	10.20	
11a	6Mbps	1	60	5300	10.20	10.40	
11a	6Mbps	1	64	5320	10.40	10.20	
HT20	MCS0	1	52	5260	10.20	10.20	
HT20	MCS0	1	60	5300	10.40	10.20	
HT20	MCS0	1	64	5320	10.40	10.40	
HT40	MCS0	1	54	5270	10.20	10.20	
HT40	MCS0	1	62	5310	10.30	10.20	
VHT20	MCS0	1	52	5260	10.10	10.10	
VHT20	MCS0	1	60	5300	10.30	10.10	
VHT20	MCS0	1	64	5320	10.30	10.30	
VHT40	MCS0	1	54	5270	10.10	10.10	
VHT40	MCS0	1	62	5310	10.20	10.10	
VHT80	MCS0	1	58	5290	10.20	10.20	
11a	6Mbps	2	52	5260	10.40	10.20	
11a	6Mbps	2	60	5300	10.40	10.10	13.26
11a	6Mbps	2	64	5320	10.40	10.20	13.31
HT20	MCS0	2	52	5260	10.20	10.20	13.21
HT20	MCS0	2	60	5300	10.40	10.20	13.31
HT20	MCS0	2	64	5320	10.40	10.20	13.31
HT40	MCS0	2	54	5270	10.30	10.20	13.26
HT40	MCS0	2	62	5310	10.20	10.20	13.21
VHT20	MCS0	2	52	5260	10.10	10.10	13.11
VHT20	MCS0	2	60	5300	10.30	10.10	13.21
VHT20	MCS0	2	64	5320	10.30	10.10	13.21
VHT40	MCS0	2	54	5270	10.20	10.10	13.16
VHT40	MCS0	2	62	5310	10.10	10.10	13.11
VHT80	MCS0	2	58	5290	10.40	10.30	13.36

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	10.40	10.40	
11a	6Mbps	1	116	5580	10.10	10.20	
11a	6Mbps	1	140	5700	10.10	10.10	
11a	6Mbps	1	144	5720	10.30	10.40	
HT20	MCS0	1	100	5500	10.20	10.30	
HT20	MCS0	1	116	5580	10.40	10.20	
HT20	MCS0	1	140	5700	10.40	10.20	
HT20	MCS0	1	144	5720	10.30	10.20	
HT40	MCS0	1	102	5510	10.20	10.20	
HT40	MCS0	1	110	5550	10.20	10.40	
HT40	MCS0	1	134	5670	10.30	10.40	
HT40	MCS0	1	142	5710	10.40	10.20	
VHT20	MCS0	1	100	5500	10.10	10.20	
VHT20	MCS0	1	116	5580	10.30	10.10	
VHT20	MCS0	1	140	5700	10.30	10.10	
VHT20	MCS0	1	144	5720	10.20	10.10	
VHT40	MCS0	1	102	5510	10.10	10.10	
VHT40	MCS0	1	110	5550	10.10	10.30	
VHT40	MCS0	1	134	5670	10.20	10.30	
VHT40	MCS0	1	142	5710	10.30	10.10	
VHT80	MCS0	1	106	5530	10.30	10.40	
VHT80	MCS0	1	122	5610	10.10	10.10	
VHT80	MCS0	1	138	5690	10.10	10.20	
VHT160	MCS0	1	114	5570	10.40	10.30	
11a	6Mbps	2	100	5500	10.40	10.30	13.36
11a	6Mbps	2	116	5580	10.40	10.10	13.26
11a	6Mbps	2	140	5700	10.40	10.10	13.26
11a	6Mbps	2	144	5720	10.40	10.30	13.36
HT20	MCS0	2	100	5500	10.40	10.30	13.36
HT20	MCS0	2	116	5580	10.40	10.20	13.31
HT20	MCS0	2	140	5700	10.40	10.20	13.31
HT20	MCS0	2	144	5720	10.40	10.20	13.31
HT40	MCS0	2	102	5510	10.40	10.20	13.31
HT40	MCS0	2	110	5550	10.40	10.20	13.31
HT40	MCS0	2	134	5670	10.40	10.20	13.31
HT40	MCS0	2	142	5710	10.40	10.20	13.31
VHT20	MCS0	2	100	5500	10.30	10.20	13.26
VHT20	MCS0	2	116	5580	10.30	10.10	13.21
VHT20	MCS0	2	140	5700	10.30	10.10	13.21
VHT20	MCS0	2	144	5720	10.30	10.10	13.21
VHT40	MCS0	2	102	5510	10.30	10.10	13.21
VHT40	MCS0	2	110	5550	10.30	10.10	13.21
VHT40	MCS0	2	134	5670	10.30	10.10	13.21
VHT40	MCS0	2	142	5710	10.30	10.10	13.21
VHT80	MCS0	2	106	5530	10.40	10.10	13.26
VHT80	MCS0	2	122	5610	10.40	10.20	13.31
VHT80	MCS0	2	138	5690	10.20	10.20	13.21
VHT160	MCS0	2	114	5570	10.40	10.10	13.26



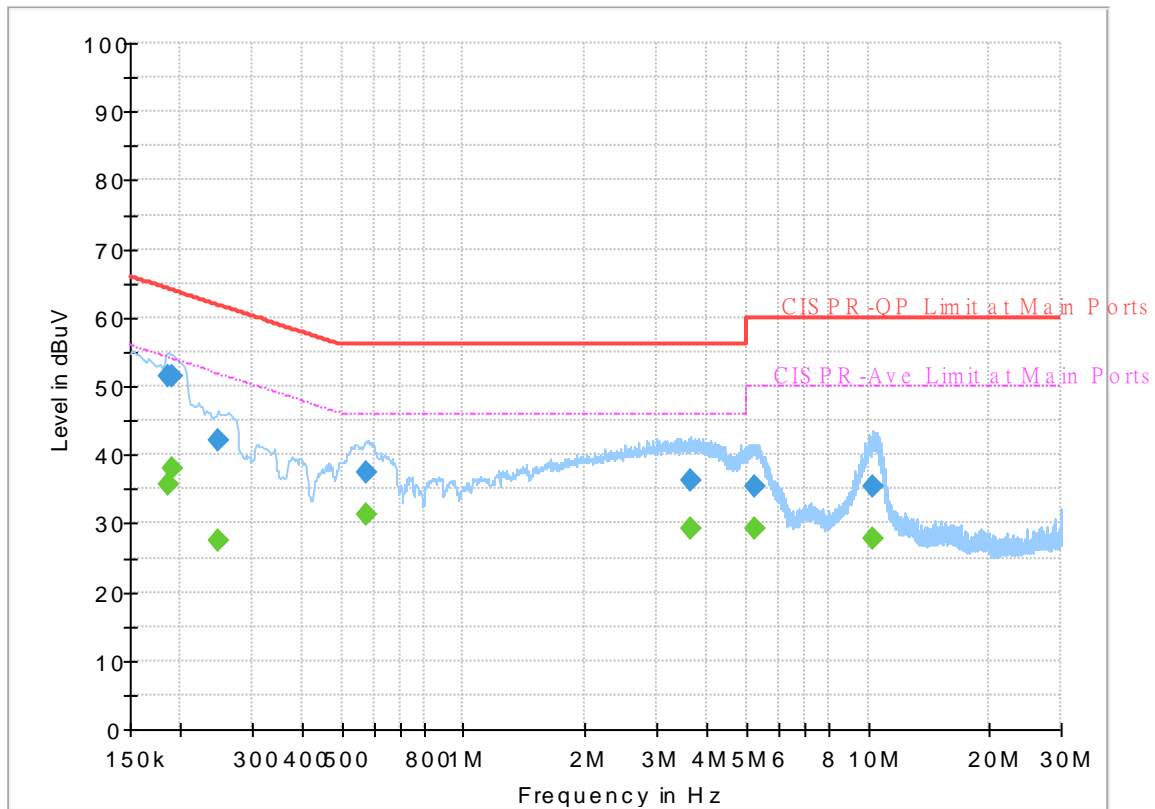
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 921919
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



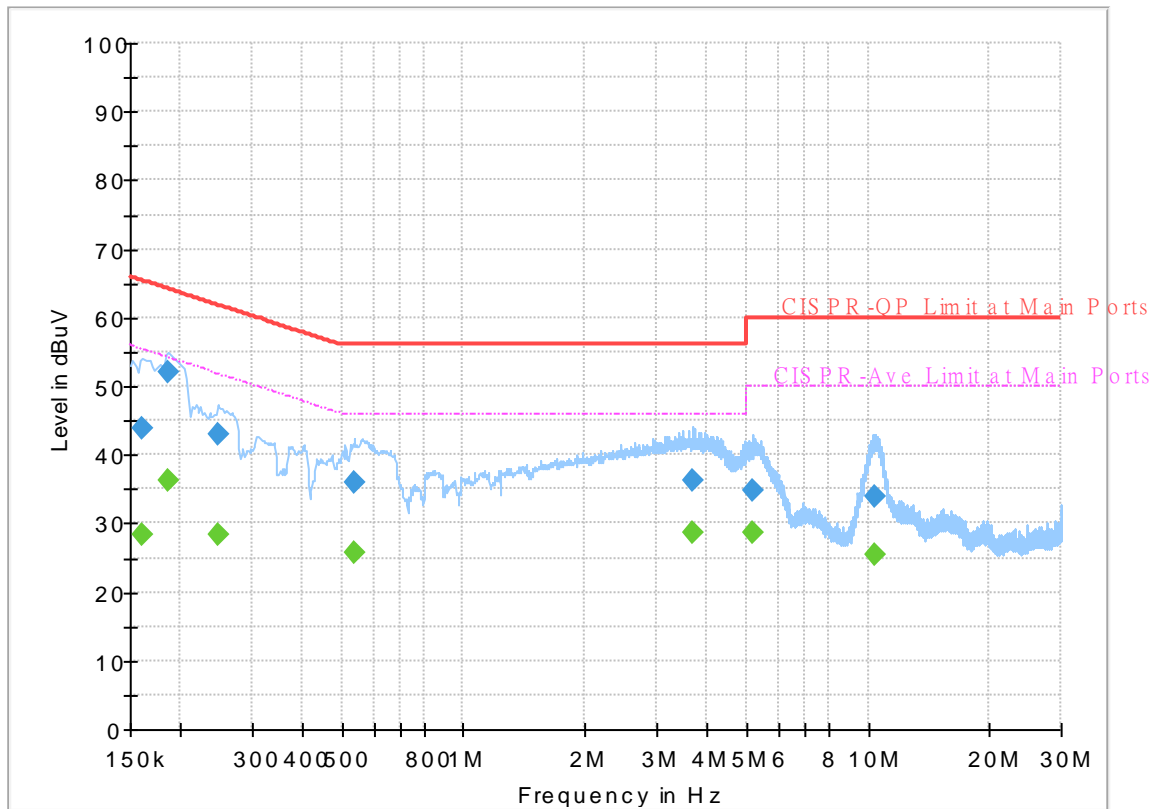
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.186000	---	35.72	54.21	18.49	L1	OFF	19.5
0.186000	51.56	---	64.21	12.65	L1	OFF	19.5
0.190500	---	37.89	54.02	16.13	L1	OFF	19.5
0.190500	51.47	---	64.02	12.55	L1	OFF	19.5
0.246750	---	27.39	51.87	24.48	L1	OFF	19.5
0.246750	42.17	---	61.87	19.70	L1	OFF	19.5
0.577500	---	31.40	46.00	14.60	L1	OFF	19.5
0.577500	37.41	---	56.00	18.59	L1	OFF	19.5
3.642000	---	29.17	46.00	16.83	L1	OFF	19.6
3.642000	36.24	---	56.00	19.76	L1	OFF	19.6
5.237250	---	29.12	50.00	20.88	L1	OFF	19.6
5.237250	35.33	---	60.00	24.67	L1	OFF	19.6
10.266000	---	27.71	50.00	22.29	L1	OFF	19.7
10.266000	35.27	---	60.00	24.73	L1	OFF	19.7

EUT Information

Report NO : 921919
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	28.30	55.40	27.10	N	OFF	19.5
0.161250	43.84	---	65.40	21.56	N	OFF	19.5
0.186000	---	36.31	54.21	17.90	N	OFF	19.5
0.186000	51.96	---	64.21	12.25	N	OFF	19.5
0.246750	---	28.39	51.87	23.48	N	OFF	19.5
0.246750	42.87	---	61.87	19.00	N	OFF	19.5
0.537000	---	25.61	46.00	20.39	N	OFF	19.5
0.537000	35.85	---	56.00	20.15	N	OFF	19.5
3.671250	---	28.59	46.00	17.41	N	OFF	19.6
3.671250	36.24	---	56.00	19.76	N	OFF	19.6
5.178750	---	28.63	50.00	21.37	N	OFF	19.6
5.178750	34.78	---	60.00	25.22	N	OFF	19.6
10.360500	---	25.58	50.00	24.42	N	OFF	19.7
10.360500	33.94	---	60.00	26.06	N	OFF	19.7



Appendix C. Radiated Spurious Emission

Test Engineer :	Jacky Hung, CR Liao, and Austin Li	Temperature :	23~25°C
		Relative Humidity :	55~57%

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 44 5220MHz		5060.58	53.92	-20.08	74	38.27	31.61	13.41	29.37	110	348	P	H	
		5120.64	43.21	-10.79	54	27.7	31.62	13.27	29.38	110	348	A	H	
	*	5220	108.2	-	-	92.88	31.64	13.07	29.39	110	348	P	H	
	*	5220	100.22	-	-	84.9	31.64	13.07	29.39	110	348	A	H	
			5441.8	53.52	-20.48	74	38.15	31.69	13.1	29.42	110	348	P	H
			5427.8	43.03	-10.97	54	27.71	31.69	13.05	29.42	110	348	A	H
			5004.94	53.18	-20.82	74	37.39	31.6	13.55	29.36	244	91	P	V
			5074.88	42.93	-11.07	54	27.31	31.61	13.38	29.37	244	91	A	V
	*		5220	100.97	-	-	85.65	31.64	13.07	29.39	244	91	P	V
	*		5220	92.46	-	-	77.14	31.64	13.07	29.39	244	91	A	V
			5405.4	53.21	-20.79	74	37.98	31.68	12.97	29.42	244	91	P	V
			5428.36	42.05	-11.95	54	26.73	31.69	13.05	29.42	244	91	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	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		10440	46.57	-21.63	68.2	50.34	39.6	17.55	60.92	100	0	P	H	
		15660	44.28	-29.72	74	45.87	37.55	21.53	60.67	100	0	P	H	
													H	
													H	
			10440	45.85	-22.35	68.2	49.62	39.6	17.55	60.92	100	0	P	V
			15660	44.13	-29.87	74	45.72	37.55	21.53	60.67	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	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		5108.42	54.93	-19.07	74	39.38	31.62	13.3	29.37	109	348	P	H
		5143.78	44.33	-9.67	54	28.87	31.63	13.21	29.38	109	348	A	H
	*	5230	105.35	-	-	90.03	31.65	13.06	29.39	109	348	P	H
	*	5230	97.52	-	-	82.2	31.65	13.06	29.39	109	348	A	H
		5440.68	53.85	-20.15	74	38.49	31.69	13.09	29.42	109	348	P	H
		5382.16	43.88	-10.12	54	28.66	31.68	12.96	29.42	109	348	A	H
		5003.38	54.34	-19.66	74	38.55	31.6	13.55	29.36	244	91	P	V
		5078.26	43.98	-10.02	54	28.36	31.62	13.37	29.37	244	91	A	V
	*	5230	100.54	-	-	85.22	31.65	13.06	29.39	244	91	P	V
	*	5230	93.05	-	-	77.73	31.65	13.06	29.39	244	91	A	V
		5430.88	53.65	-20.35	74	38.32	31.69	13.06	29.42	244	91	P	V
		5419.96	43.65	-10.35	54	28.37	31.68	13.02	29.42	244	91	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	46.55	-21.65	68.2	50.29	39.64	17.56	60.94	100	0	P	H	
		15690	45.46	-28.54	74	47.1	37.47	21.54	60.65	100	0	P	H	
													H	
													H	
			10460	46.53	-21.67	68.2	50.27	39.64	17.56	60.94	100	0	P	V
			15690	44.71	-29.29	74	46.35	37.47	21.54	60.65	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		5140.4	58.01	-15.99	74	42.54	31.63	13.22	29.38	110	348	P	H
		5144.3	48.74	-5.26	54	33.28	31.63	13.21	29.38	110	348	A	H
	*	5210	103.89	-	-	88.57	31.64	13.07	29.39	110	348	P	H
	*	5210	95.96	-	-	80.64	31.64	13.07	29.39	110	348	A	H
		5438.44	54.13	-19.87	74	38.77	31.69	13.09	29.42	110	348	P	H
		5407.08	44.89	-9.11	54	29.65	31.68	12.98	29.42	110	348	A	H
		5132.6	54.68	-19.32	74	39.19	31.63	13.24	29.38	243	91	P	V
		5142.74	46.21	-7.79	54	30.74	31.63	13.22	29.38	243	91	A	V
	*	5210	98.73	-	-	83.41	31.64	13.07	29.39	243	91	P	V
	*	5210	91.36	-	-	76.04	31.64	13.07	29.39	243	91	A	V
		5366.48	54.88	-19.12	74	39.65	31.67	12.97	29.41	243	91	P	V
	5377.96	44.17	-9.83	54	28.95	31.68	12.96	29.42	243	91	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	46.52	-21.68	68.2	50.31	39.57	17.22	60.89	100	0	P	H	
		15630	45.4	-28.6	74	46.93	37.64	21.17	60.7	100	0	P	H	
													H	
													H	
			10420	46.4	-21.8	68.2	50.19	39.57	17.22	60.89	100	0	P	V
			15630	44.47	-29.53	74	46	37.64	21.17	60.7	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		5136	55.18	-18.82	74	39.7	31.63	13.23	29.38	122	351	P	H
		5147.22	45.86	-8.14	54	30.4	31.63	13.21	29.38	122	351	A	H
	*	5250	99.25	-	-	83.95	31.65	13.05	29.4	122	351	P	H
	*	5250	91.84	-	-	76.54	31.65	13.05	29.4	122	351	A	H
		5400.48	62.29	-11.71	74	47.08	31.68	12.95	29.42	122	351	P	H
		5403.84	53.45	-0.55	54	38.23	31.68	12.96	29.42	122	351	A	H
		5094.18	55.57	-18.43	74	39.99	31.62	13.33	29.37	238	91	P	V
		5146.88	45.31	-8.69	54	29.85	31.63	13.21	29.38	238	91	A	V
	*	5250	94	-	-	78.7	31.65	13.05	29.4	238	91	P	V
	*	5250	86.18	-	-	70.88	31.65	13.05	29.4	238	91	A	V
		5407.68	56.87	-17.13	74	41.63	31.68	12.98	29.42	238	91	P	V
		5402.4	48.65	-5.35	54	33.43	31.68	12.96	29.42	238	91	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	46.34	-21.86	68.2	50.04	39.7	17.29	61	100	0	P	H	
		15750	44.58	-29.42	74	46.33	37.3	21.23	60.6	100	0	P	H	
													H	
													H	
			10500	47.38	-20.82	68.2	51.08	39.7	17.29	61	100	0	P	V
			15750	45.37	-28.63	74	47.12	37.3	21.23	60.6	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 64 5320MHz	*	5320	109.5	-	-	94.24	31.66	13	29.4	107	350	P	H
	*	5320	101.12	-	-	85.86	31.66	13	29.4	107	350	A	H
		5389.92	54.63	-19.37	74	39.41	31.68	12.96	29.42	107	350	P	H
		5350.08	44.49	-9.51	54	29.25	31.67	12.98	29.41	107	350	A	H
													H
													H
	*	5320	102.74	-	-	87.48	31.66	13	29.4	252	92	P	V
	*	5320	94.19	-	-	78.93	31.66	13	29.4	252	92	A	V
		5409.6	54.23	-19.77	74	38.99	31.68	12.98	29.42	252	92	P	V
		5353.6	42.96	-11.04	54	27.72	31.67	12.98	29.41	252	92	A	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 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 64 5320MHz		10640	47.45	-26.55	74	51.05	39.84	17.7	61.14	100	0	P	H
		15960	44.01	-29.99	74	46.14	36.71	21.59	60.43	100	0	P	H
													H
													H
		10640	46.82	-27.18	74	50.42	39.84	17.7	61.14	100	0	P	V
		15960	44.15	-29.85	74	46.28	36.71	21.59	60.43	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	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		5031.62	54.35	-19.65	74	38.62	31.61	13.48	29.36	108	350	P	H
		5084.32	44.38	-9.62	54	28.77	31.62	13.36	29.37	108	350	A	H
	*	5310	106.16	-	-	90.89	31.66	13.01	29.4	108	350	P	H
	*	5310	98.11	-	-	82.84	31.66	13.01	29.4	108	350	A	H
		5356.56	58.12	-15.88	74	42.88	31.67	12.98	29.41	108	350	P	H
		5350.56	49.35	-4.65	54	34.11	31.67	12.98	29.41	108	350	A	H
		5005.78	54.28	-19.72	74	38.49	31.6	13.55	29.36	249	91	P	V
		5144.16	44.25	-9.75	54	28.79	31.63	13.21	29.38	249	91	A	V
	*	5310	99.1	-	-	83.83	31.66	13.01	29.4	249	91	P	V
	*	5310	91.6	-	-	76.33	31.66	13.01	29.4	249	91	A	V
		5427.6	55.27	-18.73	74	39.95	31.69	13.05	29.42	249	91	P	V
		5351.76	45.71	-8.29	54	30.47	31.67	12.98	29.41	249	91	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		10620	47.72	-26.28	74	51.33	39.82	17.69	61.12	100	0	P	H
		15930	43.93	-30.07	74	46	36.8	21.59	60.46	100	0	P	H
													H
													H
		10620	46.88	-27.12	74	50.49	39.82	17.69	61.12	100	0	P	V
		15930	43.48	-30.52	74	45.55	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 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		5066.64	54.51	-19.49	74	38.87	31.61	13.4	29.37	107	350	P	H
		5084.32	44.56	-9.44	54	28.95	31.62	13.36	29.37	107	350	A	H
	*	5290	103.78	-	-	88.5	31.66	13.02	29.4	107	350	P	H
	*	5290	95.99	-	-	80.71	31.66	13.02	29.4	107	350	A	H
		5363.52	61.9	-12.1	74	46.67	31.67	12.97	29.41	107	350	P	H
		5354.16	52.1	-1.9	54	36.86	31.67	12.98	29.41	107	350	A	H
		5072.42	55.18	-18.82	74	39.55	31.61	13.39	29.37	250	90	P	V
		5031.96	44.32	-9.68	54	28.59	31.61	13.48	29.36	250	90	A	V
	*	5290	96.8	-	-	81.52	31.66	13.02	29.4	250	90	P	V
	*	5290	89.14	-	-	73.86	31.66	13.02	29.4	250	90	A	V
		5356.08	56.41	-17.59	74	41.17	31.67	12.98	29.41	250	90	P	V
		5356.08	47.42	-6.58	54	32.18	31.67	12.98	29.41	250	90	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	46.33	-21.87	68.2	49.97	39.78	17.66	61.08	100	0	P	H
		15870	44.6	-29.4	74	46.56	36.96	21.58	60.5	100	0	P	H
													H
													H
		10580	46.37	-21.83	68.2	50.01	39.78	17.66	61.08	100	0	P	V
		15870	44.48	-29.52	74	46.44	36.96	21.58	60.5	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	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		5450.8	56.85	-17.15	74	41.46	31.69	13.13	29.43	100	353	P	H
		5464.72	55.78	-12.42	68.2	40.34	31.69	13.18	29.43	100	353	P	H
		5403.28	47.26	-6.74	54	32.04	31.68	12.96	29.42	100	353	A	H
	*	5570	100.32	-	-	84.43	31.81	13.55	29.47	100	353	P	H
	*	5570	92.82	-	-	76.93	31.81	13.55	29.47	100	353	A	H
		5727.83	62.01	-6.19	68.2	45.48	32.06	14.01	29.54	100	353	P	H
		5394.88	54.67	-19.33	74	39.46	31.68	12.95	29.42	250	94	P	V
		5468.08	54.21	-13.99	68.2	38.76	31.69	13.19	29.43	250	94	P	V
		5398.96	44.89	-9.11	54	29.68	31.68	12.95	29.42	250	94	A	V
	*	5570	93.87	-	-	77.98	31.81	13.55	29.47	250	94	P	V
	*	5570	86.12	-	-	70.23	31.81	13.55	29.47	250	94	A	V
			5730.665	55.5	-12.7	68.2	38.98	32.07	14.01	29.56	250	94	P
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	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	47.13	-26.87	74	50.38	40.12	17.81	61.47	100	0	P	H	
		16710	47.01	-21.19	68.2	43.95	39.66	22.24	59.15	100	0	P	H	
													H	
													H	
			11140	47.49	-26.51	74	50.74	40.12	17.81	61.47	100	0	P	V
			16710	47.21	-20.99	68.2	44.15	39.66	22.24	59.15	100	0	P	V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - Straddle Channel
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 138 5690MHz		5403.82	55.96	-18.04	74	40.74	31.68	12.96	29.42	102	355	P	H
		5466.61	54.18	-14.02	68.2	38.73	31.69	13.19	29.43	102	355	P	H
		5447.5	45.83	-8.17	54	30.44	31.69	13.12	29.42	102	355	A	H
	*	5690	103.11	-	-	86.74	32	13.9	29.53	102	355	P	H
	*	5690	95.09	-	-	78.72	32	13.9	29.53	102	355	A	H
		5864.25	55.87	-12.33	68.2	39.23	32.28	13.98	29.62	102	355	P	H
		5454.13	53.83	-20.17	74	38.43	31.69	13.14	29.43	249	100	P	V
		5466.22	53.52	-14.68	68.2	38.07	31.69	13.19	29.43	249	100	P	V
		5452.96	45.54	-8.46	54	30.14	31.69	13.14	29.43	249	100	A	V
	*	5690	96.42	-	-	80.05	32	13.9	29.53	249	100	P	V
	*	5690	88.69	-	-	72.32	32	13.9	29.53	249	100	A	V
		5858	56.48	-11.72	68.2	39.82	32.27	14.01	29.62	249	100	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 138 5690MHz		11380	47.34	-26.66	74	50.5	39.97	18	61.42	100	0	P	H	
		17070	49.19	-19.01	68.2	43.39	40.97	22.7	58.22	100	0	P	H	
													H	
													H	
		11380	47.11	-26.89	74	50.27	39.97	18	61.42	100	0	P	V	
		17070	48.62	-19.58	68.2	42.82	40.97	22.7	58.22	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

WIFI 802.11ac VHT160 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ac VHT160 LF		175.5	27.05	-16.45	43.5	42.07	15.72	1.52	32.35	-	-	P	H	
		211.39	31.31	-12.19	43.5	45.49	16.3	1.82	32.36	100	0	P	H	
		494.63	29.42	-16.58	46	34.45	24.27	3.23	32.58	-	-	P	H	
		646.92	30.12	-15.88	46	32.59	26.07	3.96	32.61	-	-	P	H	
		893.3	31.01	-14.99	46	29.23	28.96	4.49	31.83	-	-	P	H	
		985.45	32.6	-21.4	54	28.37	29.96	5.12	31.04	-	-	P	H	
														H
														H
														H
														H
														H
														H
			37.76	28.64	-11.36	40	39.14	21.56	0.37	32.44	100	0	P	V
			104.69	30.38	-13.12	43.5	44.91	16.75	1.07	32.37	-	-	P	V
			512.09	30.05	-15.95	46	34.78	24.49	3.31	32.59	-	-	P	V
			853.53	30.75	-15.25	46	29.42	28.72	4.51	32.05	-	-	P	V
			948.59	32.58	-13.42	46	29.25	30.08	4.44	31.36	-	-	P	V
			966.05	33.17	-20.83	54	29.42	30.03	4.75	31.21	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 100 5500MHz		5441.04	54.25	-19.75	74	38.88	31.69	13.1	29.42	102	348	P	H	
		5464.56	54.67	-13.53	68.2	39.23	31.69	13.18	29.43	102	348	P	H	
		5457.84	43.91	-10.09	54	28.49	31.69	13.16	29.43	102	348	A	H	
	*	5500	108.54	-	-	92.96	31.7	13.31	29.43	102	348	P	H	
	*	5500	100.15	-	-	84.57	31.7	13.31	29.43	102	348	A	H	
														H
			5434.32	53.96	-20.04	74	38.62	31.69	13.07	29.42	381	266	P	V
			5463.76	53.36	-14.84	68.2	37.92	31.69	13.18	29.43	381	266	P	V
			5447.92	43.23	-10.77	54	27.84	31.69	13.12	29.42	381	266	A	V
	*		5500	102.93	-	-	87.35	31.7	13.31	29.43	381	266	P	V
	*		5500	95.03	-	-	79.45	31.7	13.31	29.43	381	266	A	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 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 100 5500MHz		11000	48.36	-25.64	74	51.67	40.2	17.99	61.5	100	0	P	H	
		16500	45.82	-22.38	68.2	44.34	38.9	22.28	59.7	100	0	P	H	
													H	
													H	
			11000	47.44	-26.56	74	50.75	40.2	17.99	61.5	100	0	P	V
			16500	45.98	-22.22	68.2	44.5	38.9	22.28	59.7	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 102 5510MHz		5449.12	55.57	-18.43	74	40.18	31.69	13.12	29.42	108	346	P	H
		5466.16	56.52	-11.68	68.2	41.08	31.69	13.18	29.43	108	346	P	H
		5454.88	45.73	-8.27	54	30.33	31.69	13.14	29.43	108	346	A	H
	*	5510	103.11	-	-	87.49	31.72	13.34	29.44	108	346	P	H
	*	5510	94.8	-	-	79.18	31.72	13.34	29.44	108	346	A	H
		5725	56.57	-11.63	68.2	40.05	32.06	14	29.54	108	346	P	H
		5398.72	55.63	-18.37	74	40.42	31.68	12.95	29.42	377	270	P	V
		5464.48	54.55	-13.65	68.2	39.11	31.69	13.18	29.43	377	270	P	V
		5442.64	44.72	-9.28	54	29.35	31.69	13.1	29.42	377	270	A	V
	*	5510	97.04	-	-	81.42	31.72	13.34	29.44	377	270	P	V
	*	5510	89.21	-	-	73.59	31.72	13.34	29.44	377	270	A	V
		5748.935	56.25	-11.95	68.2	39.65	32.1	14.06	29.56	377	270	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 102 5510MHz		11020	47.58	-26.42	74	50.89	40.19	18	61.5	100	0	P	H	
		16530	45.57	-22.63	68.2	43.86	39.01	22.32	59.62	100	0	P	H	
													H	
													H	
			11020	48.27	-25.73	74	51.58	40.19	18	61.5	100	0	P	V
			16530	45.81	-22.39	68.2	44.1	39.01	22.32	59.62	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 44 5220MHz		5116.48	55.61	-18.39	74	40.08	31.62	13.28	29.37	107	345	P	H
		5044.98	44.37	-9.63	54	28.68	31.61	13.45	29.37	107	345	A	H
	*	5220	115.11	-	-	99.79	31.64	13.07	29.39	107	345	P	H
	*	5220	107.34	-	-	92.02	31.64	13.07	29.39	107	345	A	H
		5376.84	55.4	-18.6	74	40.17	31.68	12.97	29.42	107	345	P	H
		5416.32	45.09	-8.91	54	29.82	31.68	13.01	29.42	107	345	A	H
		5025.74	55.74	-18.26	74	39.99	31.61	13.5	29.36	305	268	P	V
		5068.9	43.95	-10.05	54	28.32	31.61	13.39	29.37	305	268	A	V
	*	5220	107.13	-	-	91.81	31.64	13.07	29.39	305	268	P	V
	*	5220	99.48	-	-	84.16	31.64	13.07	29.39	305	268	A	V
		5426.12	54.33	-19.67	74	39.02	31.69	13.04	29.42	305	268	P	V
		5432	43.48	-10.52	54	28.15	31.69	13.06	29.42	305	268	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 44 5220MHz		10440	46.46	-21.74	68.2	50.23	39.6	17.55	60.92	100	0	P	H	
		15660	44.16	-29.84	74	45.75	37.55	21.53	60.67	100	0	P	H	
													H	
													H	
			10440	46.56	-21.64	68.2	50.33	39.6	17.55	60.92	100	0	P	V
			15660	45.1	-28.9	74	46.69	37.55	21.53	60.67	100	0	P	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	59.06	-14.94	74	43.61	31.63	13.2	29.38	100	347	P	H
		5150	50.77	-3.23	54	35.32	31.63	13.2	29.38	100	347	A	H
	*	5190	112.45	-	-	97.1	31.64	13.1	29.39	100	347	P	H
	*	5190	104.53	-	-	89.18	31.64	13.1	29.39	100	347	A	H
		5457.76	56.06	-17.94	74	40.64	31.69	13.16	29.43	100	347	P	H
		5386.36	46.06	-7.94	54	30.84	31.68	12.96	29.42	100	347	A	H
		5144.82	55.56	-18.44	74	40.1	31.63	13.21	29.38	360	279	P	V
		5150	48.19	-5.81	54	32.74	31.63	13.2	29.38	360	279	A	V
	*	5190	103.04	-	-	87.69	31.64	13.1	29.39	360	279	P	V
	*	5190	95.87	-	-	80.52	31.64	13.1	29.39	360	279	A	V
		5368.72	55	-19	74	39.77	31.67	12.97	29.41	360	279	P	V
	5429.48	44.57	-9.43	54	29.25	31.69	13.05	29.42	360	279	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	47.37	-20.83	68.2	51.19	39.51	17.5	60.83	100	0	P	H	
		15570	44.42	-29.58	74	45.84	37.8	21.52	60.74	100	0	P	H	
													H	
													H	
		10380	46.31	-21.89	68.2	50.13	39.51	17.5	60.83	100	0	P	V	
		15570	45.11	-28.89	74	46.53	37.8	21.52	60.74	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		5146.12	60.45	-13.55	74	44.99	31.63	13.21	29.38	104	346	P	H
		5143	52.68	-1.32	54	37.21	31.63	13.22	29.38	104	346	A	H
	*	5210	110.19	-	-	94.87	31.64	13.07	29.39	104	346	P	H
	*	5210	103.17	-	-	87.85	31.64	13.07	29.39	104	346	A	H
		5415.48	57.39	-16.61	74	42.13	31.68	13	29.42	104	346	P	H
		5423.88	48.95	-5.05	54	33.66	31.68	13.03	29.42	104	346	A	H
		5113.62	55.98	-18.02	74	40.44	31.62	13.29	29.37	306	269	P	V
		5143	48.62	-5.38	54	33.15	31.63	13.22	29.38	306	269	A	V
	*	5210	103.16	-	-	87.84	31.64	13.07	29.39	306	269	P	V
	*	5210	96.17	-	-	80.85	31.64	13.07	29.39	306	269	A	V
		5383.56	55.92	-18.08	74	40.7	31.68	12.96	29.42	306	269	P	V
	5401.2	46.96	-7.04	54	31.75	31.68	12.95	29.42	306	269	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	46.21	-21.99	68.2	50	39.57	17.22	60.89	100	0	P	H	
		15630	45.35	-28.65	74	46.88	37.64	21.17	60.7	100	0	P	H	
													H	
													H	
			10420	46.3	-21.9	68.2	50.09	39.57	17.22	60.89	100	0	P	V
			15630	44.55	-29.45	74	46.08	37.64	21.17	60.7	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		5135.32	58.66	-15.34	74	43.17	31.63	13.24	29.38	103	349	P	H
		5142.46	49.73	-4.27	54	34.26	31.63	13.22	29.38	103	349	A	H
	*	5250	103.5	-	-	88.2	31.65	13.05	29.4	103	349	P	H
	*	5250	96.59	-	-	81.29	31.65	13.05	29.4	103	349	A	H
		5414.64	60.14	-13.86	74	44.88	31.68	13	29.42	103	349	P	H
		5402.4	53.09	-0.91	54	37.87	31.68	12.96	29.42	103	349	A	H
		5083.3	55.97	-18.03	74	40.36	31.62	13.36	29.37	309	269	P	V
		5148.92	47.14	-6.86	54	31.69	31.63	13.2	29.38	309	269	A	V
	*	5250	97.19	-	-	81.89	31.65	13.05	29.4	309	269	P	V
	*	5250	89.2	-	-	73.9	31.65	13.05	29.4	309	269	A	V
		5458.08	55.8	-18.2	74	40.38	31.69	13.16	29.43	309	269	P	V
		5444.64	47.23	-6.77	54	31.85	31.69	13.11	29.42	309	269	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	46.62	-21.58	68.2	50.32	39.7	17.29	61	100	0	P	H	
		15750	44.51	-29.49	74	46.26	37.3	21.23	60.6	100	0	P	H	
													H	
													H	
			10500	46.74	-21.46	68.2	50.44	39.7	17.29	61	100	0	P	V
			15750	44.29	-29.71	74	46.04	37.3	21.23	60.6	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		5015.3	55.52	-18.48	74	39.76	31.6	13.52	29.36	104	344	P	H
		5120.02	44.38	-9.62	54	28.87	31.62	13.27	29.38	104	344	A	H
	*	5260	114.33	-	-	99.04	31.65	13.04	29.4	104	344	P	H
	*	5260	106.64	-	-	91.35	31.65	13.04	29.4	104	344	A	H
		5453.04	55.7	-18.3	74	40.3	31.69	13.14	29.43	104	344	P	H
		5458.32	45.18	-8.82	54	29.76	31.69	13.16	29.43	104	344	A	H
		5083.64	55.33	-18.67	74	39.72	31.62	13.36	29.37	357	268	P	V
		5084.66	44.1	-9.9	54	28.49	31.62	13.36	29.37	357	268	A	V
	*	5260	106.29	-	-	91	31.65	13.04	29.4	357	268	P	V
	*	5260	98.76	-	-	83.47	31.65	13.04	29.4	357	268	A	V
		5403.84	54.74	-19.26	74	39.52	31.68	12.96	29.42	357	268	P	V
		5454.72	43.64	-10.36	54	28.24	31.69	13.14	29.43	357	268	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	46.03	-22.17	68.2	49.72	39.72	17.61	61.02	100	0	P	H	
		15780	44.21	-29.79	74	46.01	37.22	21.56	60.58	100	0	P	H	
													H	
													H	
			10520	45.45	-22.75	68.2	49.14	39.72	17.61	61.02	100	0	P	V
			15780	43.91	-30.09	74	45.71	37.22	21.56	60.58	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 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		5026.86	56.15	-17.85	74	40.4	31.61	13.5	29.36	103	347	P	H
		5116.62	45.96	-8.04	54	30.43	31.62	13.28	29.37	103	347	A	H
	*	5310	112.59	-	-	97.32	31.66	13.01	29.4	103	347	P	H
	*	5310	104.9	-	-	89.63	31.66	13.01	29.4	103	347	A	H
		5351.28	59.95	-14.05	74	44.71	31.67	12.98	29.41	103	347	P	H
		5350.56	52.01	-1.99	54	36.77	31.67	12.98	29.41	103	347	A	H
		5090.1	55.68	-18.32	74	40.09	31.62	13.34	29.37	369	266	P	V
		5104.38	46.03	-7.97	54	30.47	31.62	13.31	29.37	369	266	A	V
	*	5310	103.41	-	-	88.14	31.66	13.01	29.4	369	266	P	V
	*	5310	96.11	-	-	80.84	31.66	13.01	29.4	369	266	A	V
		5352.72	56.04	-17.96	74	40.8	31.67	12.98	29.41	369	266	P	V
		5350.08	46.35	-7.65	54	31.11	31.67	12.98	29.41	369	266	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	46.41	-27.59	74	50.02	39.82	17.69	61.12	100	0	P	H	
		15930	44.18	-29.82	74	46.25	36.8	21.59	60.46	100	0	P	H	
													H	
													H	
		10620	47.14	-26.86	74	50.75	39.82	17.69	61.12	100	0	P	V	
		15930	42.95	-31.05	74	45.02	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 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		5127.16	55.95	-18.05	74	40.45	31.63	13.25	29.38	112	348	P	H
		5130.56	47.52	-6.48	54	32.02	31.63	13.25	29.38	112	348	A	H
	*	5290	106.86	-	-	91.58	31.66	13.02	29.4	112	348	P	H
	*	5290	100.09	-	-	84.81	31.66	13.02	29.4	112	348	A	H
		5351.04	60.41	-13.59	74	45.17	31.67	12.98	29.41	112	348	P	H
		5359.68	53.03	-0.97	54	37.79	31.67	12.98	29.41	112	348	A	H
		5140.42	56.17	-17.83	74	40.7	31.63	13.22	29.38	347	263	P	V
		5039.44	47.62	-6.38	54	31.9	31.61	13.47	29.36	347	263	A	V
	*	5290	98.29	-	-	83.01	31.66	13.02	29.4	347	263	P	V
	*	5290	91.52	-	-	76.24	31.66	13.02	29.4	347	263	A	V
		5361.84	55.76	-18.24	74	40.53	31.67	12.97	29.41	347	263	P	V
		5355.36	47.19	-6.81	54	31.95	31.67	12.98	29.41	347	263	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	46.61	-21.59	68.2	50.25	39.78	17.66	61.08	100	0	P	H	
		15870	44.7	-29.3	74	46.66	36.96	21.58	60.5	100	0	P	H	
													H	
													H	
			10580	47.05	-21.15	68.2	50.69	39.78	17.66	61.08	100	0	P	V
			15870	44.24	-29.76	74	46.2	36.96	21.58	60.5	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		5448.4	55.55	-18.45	74	40.16	31.69	13.12	29.42	114	354	P	H
		5461.6	55.7	-12.5	68.2	40.27	31.69	13.17	29.43	114	354	P	H
		5387.68	45.23	-8.77	54	30.01	31.68	12.96	29.42	114	354	A	H
	*	5580	113.92	-	-	97.98	31.83	13.59	29.48	114	354	P	H
	*	5580	106.06	-	-	90.12	31.83	13.59	29.48	114	354	A	H
		5760.905	57.14	-11.06	68.2	40.5	32.12	14.09	29.57	114	354	P	H
		5357.44	54.89	-19.11	74	39.65	31.67	12.98	29.41	272	268	P	V
		5465.68	55.16	-13.04	68.2	39.72	31.69	13.18	29.43	272	268	P	V
		5458.96	44.07	-9.93	54	28.65	31.69	13.16	29.43	272	268	A	V
	*	5580	106.89	-	-	90.95	31.83	13.59	29.48	272	268	P	V
	*	5580	99.16	-	-	83.22	31.83	13.59	29.48	272	268	A	V
		5731.295	55.52	-12.68	68.2	39	32.07	14.01	29.56	272	268	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	47.2	-26.8	74	50.45	40.1	18.12	61.47	100	0	P	H	
		16740	48.05	-20.15	68.2	44.77	39.76	22.6	59.08	100	0	P	H	
													H	
													H	
			11160	47.72	-26.28	74	50.97	40.1	18.12	61.47	100	0	P	V
			16740	47.08	-21.12	68.2	43.8	39.76	22.6	59.08	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		5459.92	59.25	-14.75	74	43.83	31.69	13.16	29.43	105	352	P	H
		5468.08	63.15	-5.05	68.2	47.7	31.69	13.19	29.43	105	352	P	H
		5459.2	50.06	-3.94	54	34.64	31.69	13.16	29.43	105	352	A	H
	*	5510	111.95	-	-	96.33	31.72	13.34	29.44	105	352	P	H
	*	5510	104.34	-	-	88.72	31.72	13.34	29.44	105	352	A	H
		5747.36	56.12	-12.08	68.2	39.52	32.1	14.06	29.56	105	352	P	H
		5458.48	55.42	-18.58	74	40	31.69	13.16	29.43	329	273	P	V
		5468.32	55.97	-12.23	68.2	40.52	31.69	13.19	29.43	329	273	P	V
		5456.56	45.75	-8.25	54	30.34	31.69	13.15	29.43	329	273	A	V
	*	5510	103.34	-	-	87.72	31.72	13.34	29.44	329	273	P	V
	*	5510	95.68	-	-	80.06	31.72	13.34	29.44	329	273	A	V
		5761.22	55.58	-12.62	68.2	38.93	32.12	14.1	29.57	329	273	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	47.43	-26.57	74	50.74	40.19	18	61.5	100	0	P	H	
		16530	47.13	-21.07	68.2	45.42	39.01	22.32	59.62	100	0	P	H	
													H	
													H	
			11020	47.64	-26.36	74	50.95	40.19	18	61.5	100	0	P	V
			16530	46.77	-21.43	68.2	45.06	39.01	22.32	59.62	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		5456.32	58.37	-15.63	74	42.96	31.69	13.15	29.43	101	351	P	H
		5465.44	58.95	-9.25	68.2	43.51	31.69	13.18	29.43	101	351	P	H
		5458.72	51.75	-2.25	54	36.33	31.69	13.16	29.43	101	351	A	H
	*	5570	103	-	-	87.11	31.81	13.55	29.47	101	351	P	H
	*	5570	96.29	-	-	80.4	31.81	13.55	29.47	101	351	A	H
		5725.94	60.19	-8.01	68.2	43.67	32.06	14	29.54	101	351	P	H
		5411.92	55.13	-18.87	74	39.88	31.68	12.99	29.42	394	270	P	V
		5466.64	52.74	-15.46	68.2	37.29	31.69	13.19	29.43	394	270	P	V
		5459.68	47.99	-6.01	54	32.57	31.69	13.16	29.43	394	270	A	V
	*	5570	95.57	-	-	79.68	31.81	13.55	29.47	394	270	P	V
	*	5570	88.6	-	-	72.71	31.81	13.55	29.47	394	270	A	V
		5746.415	55.73	-12.47	68.2	39.14	32.09	14.06	29.56	394	270	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	46.61	-27.39	74	49.86	40.12	17.81	61.47	100	0	P	H	
		16710	47.6	-20.6	68.2	44.54	39.66	22.24	59.15	100	0	P	H	
													H	
													H	
			11140	47.34	-26.66	74	50.59	40.12	17.81	61.47	100	0	P	V
			16710	46.54	-21.66	68.2	43.48	39.66	22.24	59.15	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 - Straddle Channel
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 138 5690MHz		5434.24	54.02	-19.98	74	38.68	31.69	13.07	29.42	102	353	P	H
		5463.49	53.79	-14.41	68.2	38.35	31.69	13.18	29.43	102	353	P	H
		5424.49	46.83	-7.17	54	31.53	31.68	13.04	29.42	102	353	A	H
	*	5690	105.99	-	-	89.62	32	13.9	29.53	102	353	P	H
	*	5690	98.77	-	-	82.4	32	13.9	29.53	102	353	A	H
		5880	56.59	-11.61	68.2	39.97	32.31	13.93	29.62	102	353	P	H
		5458.03	53.62	-20.38	74	38.2	31.69	13.16	29.43	353	258	P	V
		5463.49	52.82	-15.38	68.2	37.38	31.69	13.18	29.43	353	258	P	V
		5442.43	45.95	-8.05	54	30.58	31.69	13.1	29.42	353	258	A	V
	*	5690	97.23	-	-	80.86	32	13.9	29.53	353	258	P	V
	*	5690	89.66	-	-	73.29	32	13.9	29.53	353	258	A	V
		5872.75	56.25	-11.95	68.2	39.61	32.3	13.96	29.62	353	258	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel
WIFI 802.11ac 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 138 5690MHz		11380	47.72	-26.28	74	50.88	39.97	18	61.42	100	0	P	H	
		17070	48.84	-19.36	68.2	43.04	40.97	22.7	58.22	100	0	P	H	
													H	
													H	
			11380	47.12	-26.88	74	50.28	39.97	18	61.42	100	0	P	V
			17070	48.6	-19.6	68.2	42.8	40.97	22.7	58.22	100	0	P	V
														V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Note symbol

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



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 :	Jacky Hung, CR Liao, and Austin Li	Temperature :	23~25°C
		Relative Humidity :	55~57%

Note symbol

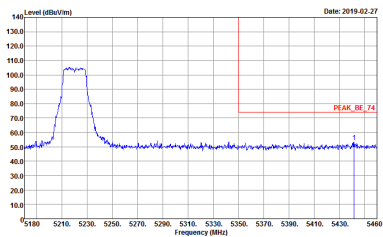
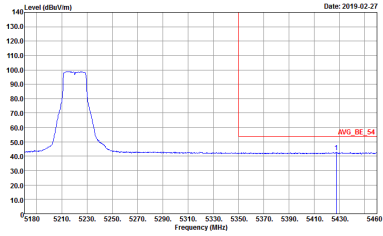
-L	Low channel location
-R	High channel location



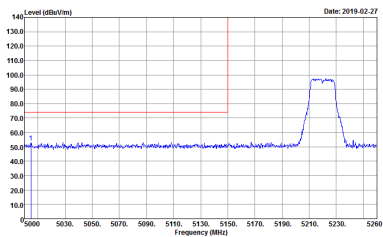
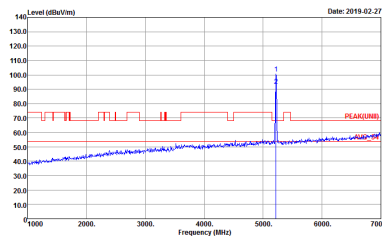
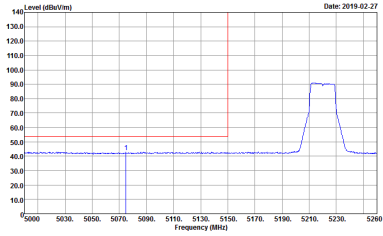
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank

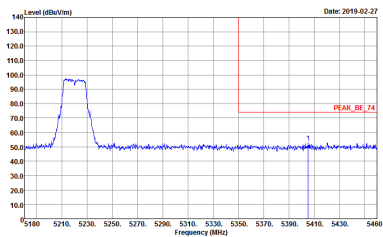
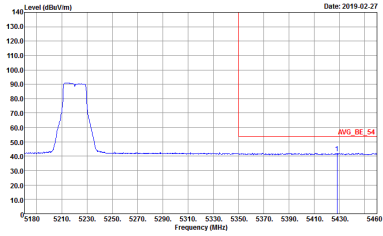


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 921919</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>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank



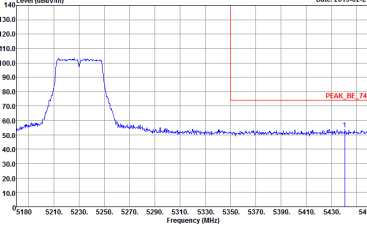
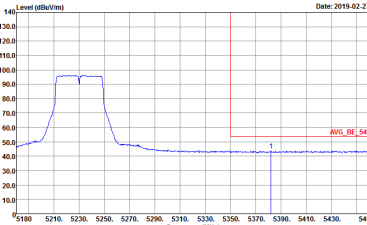
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL Detector : Peak Project : 921919</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 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank

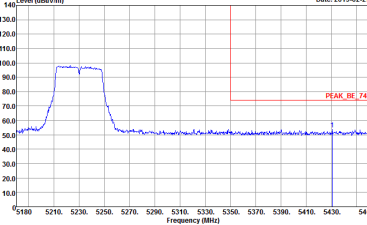
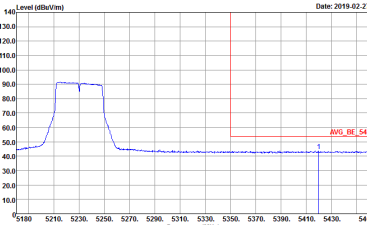


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p> Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919 </p>	<p>Left blank</p>
<p>Avg.</p>	 <p> Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919 </p>	<p>Left blank</p>



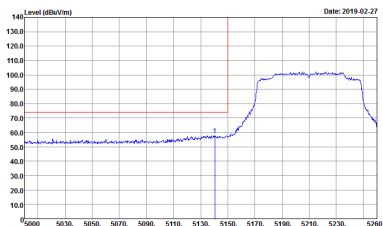
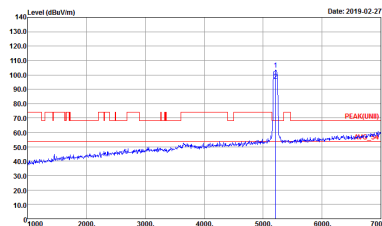
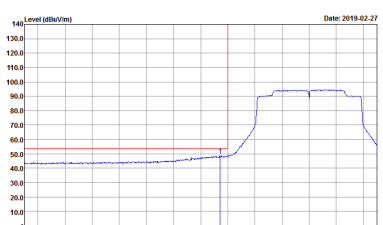
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 921919</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 Project : 921919</p>	Left blank



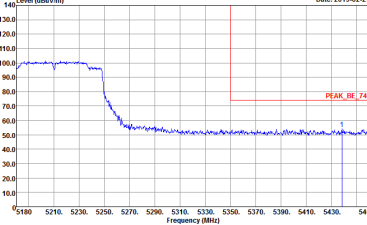
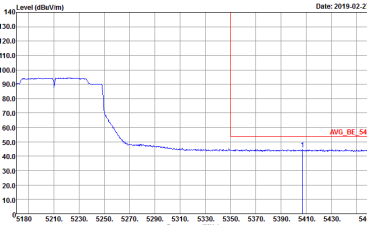
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 <p> Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 </p>	Left blank
Avg.	 <p> Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 </p>	Left blank



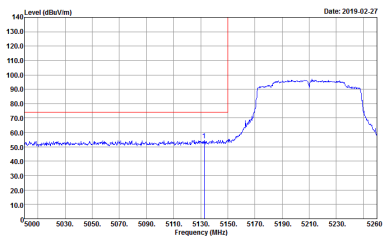
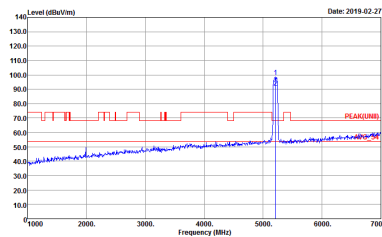
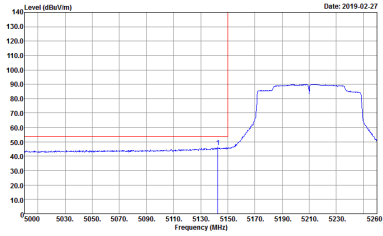
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-1FY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-1FY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>
Avg.	 <p>Site : 03CH16-1FY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank

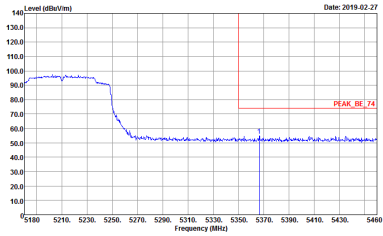
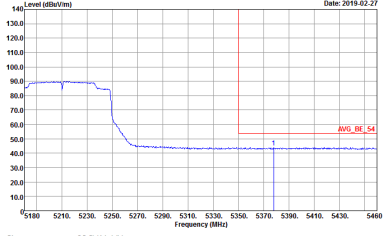


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p>Left blank</p>



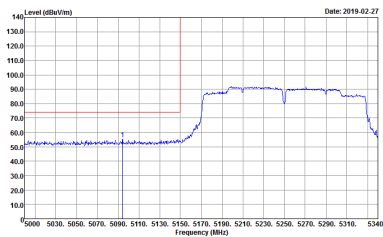
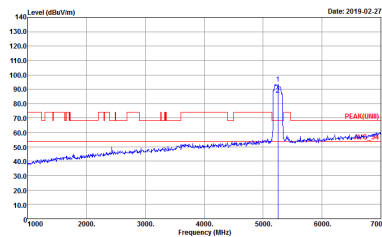
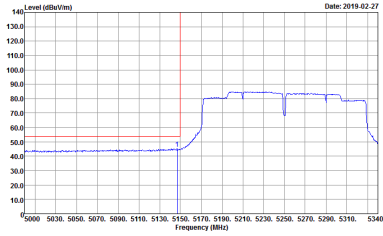
Band 1 5150~5250MHz
WIFI 802.11ac VHT160 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919 Setting : 11.625</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919 Setting : 11.625</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919 Setting : 11.625</p>	Left blank

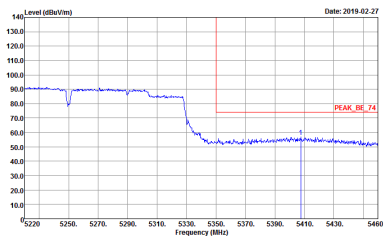
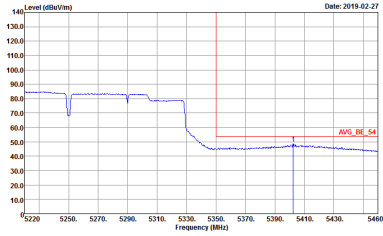


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>



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 : 921919 Setting : 11.750</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 Setting : 11.750</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 Setting : 11.750</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL Detector : Peak Project : 921919 Setting : 11.750</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL Detector : Peak Project : 921919 Setting : 11.750</p>	<p>Left blank</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</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
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</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>Peak</p> <p>Avg.</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



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

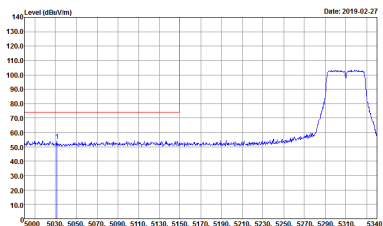
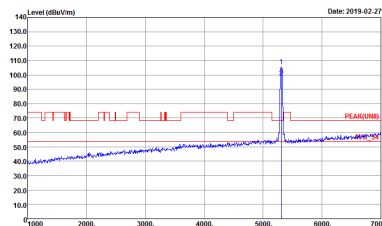
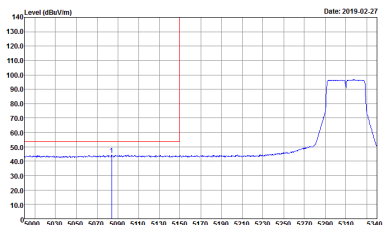
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank



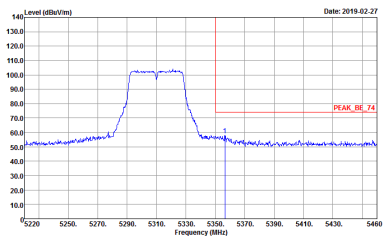
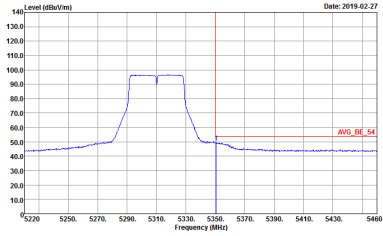
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	<p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	<p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 921919</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	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p align="center">Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>
Avg.	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank



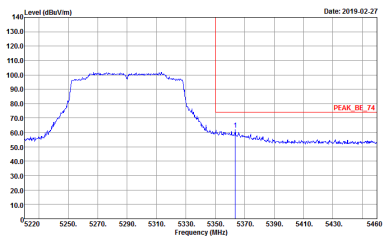
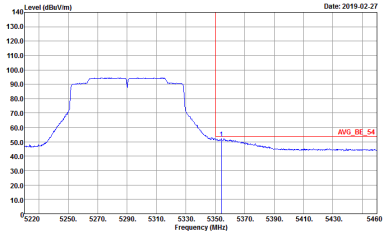
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank

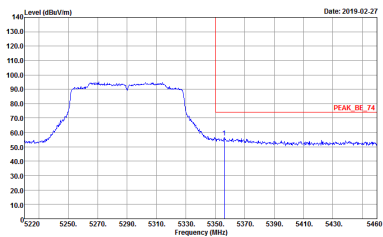
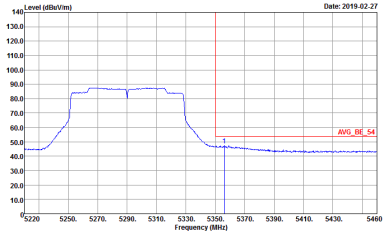


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</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 : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>

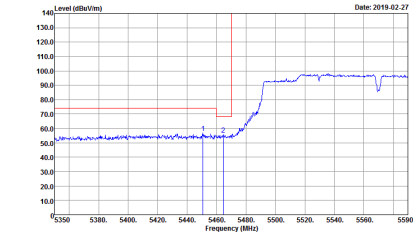
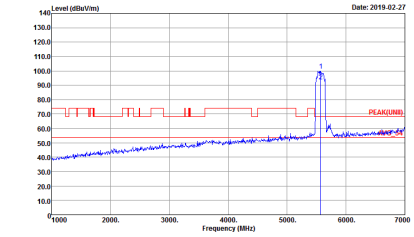
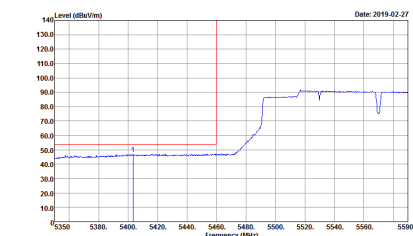


**Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



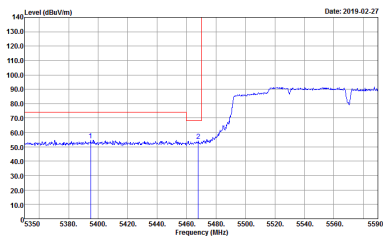
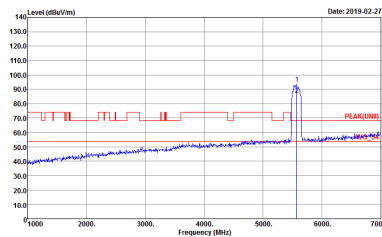
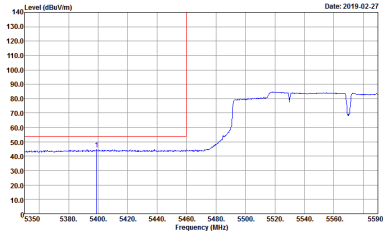
Band 3 - 5470~5725MHz
WIFI 802.11ac VHT160 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5530MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE[UNIT], B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK[UNIT] 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE[UNIT], B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank

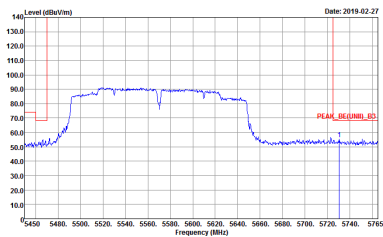


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5530MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : D8CH16-114 Condition : PEAK_BE[UNIT], B3 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5530MHz - L	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2019-02-27</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 : 921919 Setting : 12.5</p>	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK(UNIT)_3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919 Setting : 12.5</p>
<p>Avg.</p>	 <p>Date: 2019-02-27</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 : 921919 Setting : 12.5</p>	<p>Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5530MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : D3CH16-114 Condition : PEAK_BE[UNII], B3 3m 9120D_1522 VERTICAL Detector : Peak Project : 921919 Setting : 12.5</p>	Left blank



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT160 CH114 5530MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : STRADDLES U-NII-1A2A 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(U-NII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	<p>Site : 03CH16-HY Condition : U-NII-1A2A AVERAGE 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : DBCH16-144 Condition : STRADDLES U-NIT-1A2A 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank



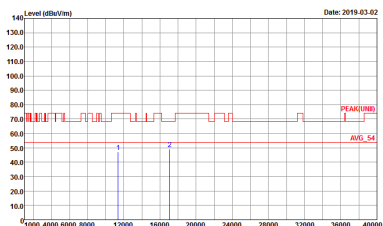
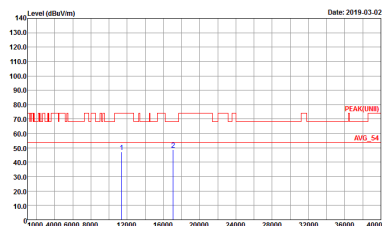
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : STRADDLES U-NII-1A2A 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAKUNII1 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>
Avg.	<p>Site : 03CH16-HY Condition : U-NII-1A2A AVERAGE 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : DBCH16-144 Condition : STRADDLES U-NII-1A2A 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
<p>Peak Avg.</p>	 <p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>

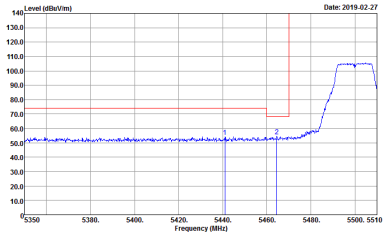
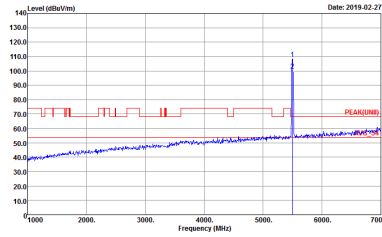
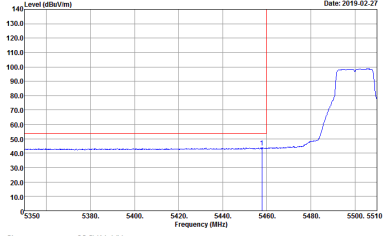


Emission below 1GHz
5GHz WIFI 802.11ac VHT160 (LF)

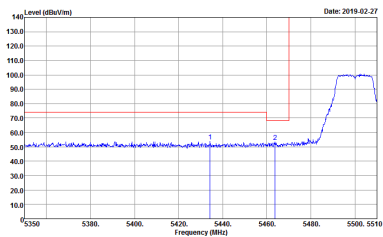
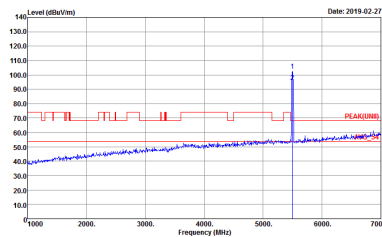
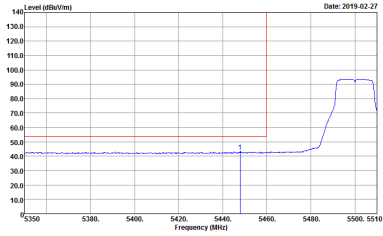
WIFI	5GHz WIFI	
ANT	802.11ac VHT160 LF	
1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH16-11Y Condition : QP 3m BIL0G_47020406 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-11Y Condition : QP 3m BIL0G_47020406 VERTICAL Detector : Peak Project : 921919</p>



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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT), B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT), B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Vertical	Fundamental
Peak	 <p>Date: 2019-02-27</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 : 921919</p>	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	 <p>Date: 2019-02-27</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank



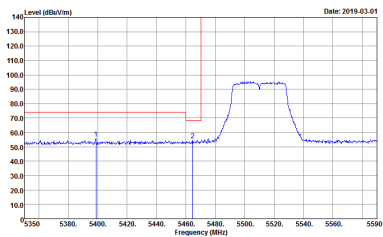
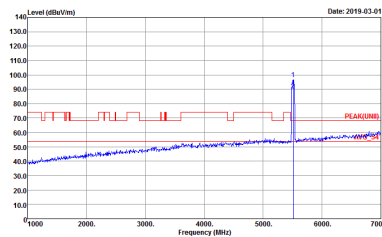
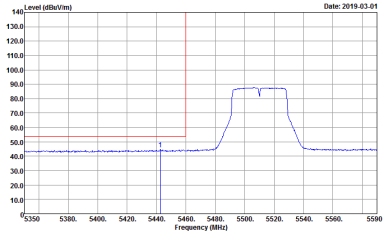
**Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
2	Horizontal	Fundamental
<p>Peak</p>	<p>Date: 2019-03-01</p> <p>Site : 03CH16-1FY Condition : PEAK_BE(UNIT1)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Date: 2019-03-01</p> <p>Site : 03CH16-1FY Condition : PEAK(UNIT1) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>
<p>Avg.</p>	<p>Date: 2019-03-01</p> <p>Site : 03CH16-1FY Condition : AVG_BE(UNIT1)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p align="center">Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
2	Horizontal	Fundamental
Peak	<p>Site : D3CH10-111 Condition : PEAK_BE([UNIT], B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz, VBW:3000.000KHz, SWT:Auto Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
2	Vertical	Fundamental
Peak	 <p>Date: 2019-03-01</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 : 921919</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
2	Vertical	Fundamental
Peak	<p>Site : D3CH102-11V Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-11Y Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 921919</p>

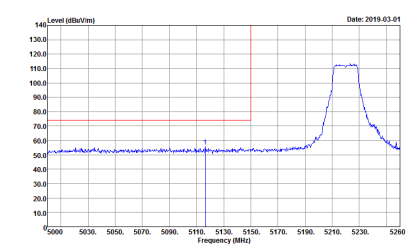
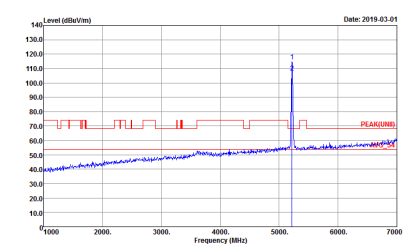
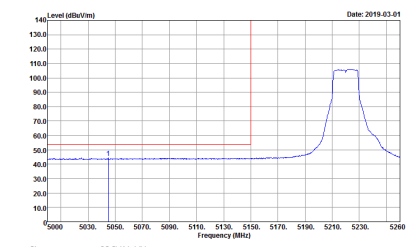


Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

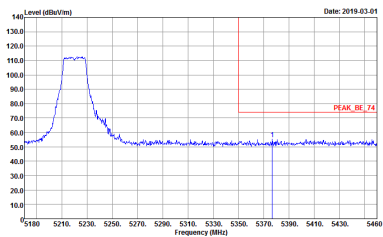
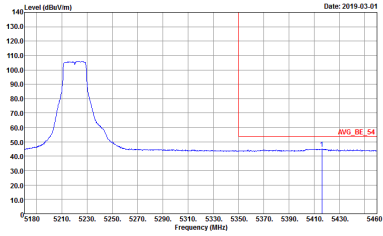
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



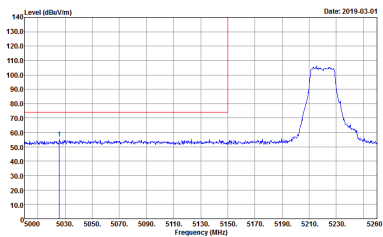
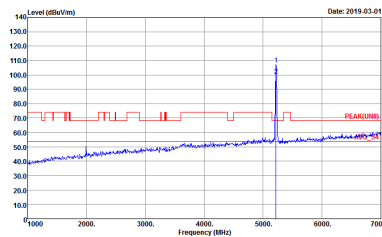
Band 1 - 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
<p align="center">Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>
<p align="center">Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p align="center">Left blank</p>

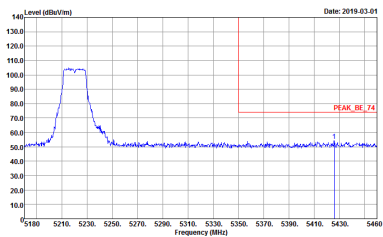
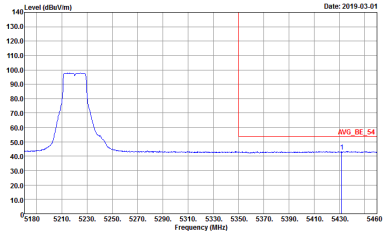


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p>Left blank</p>



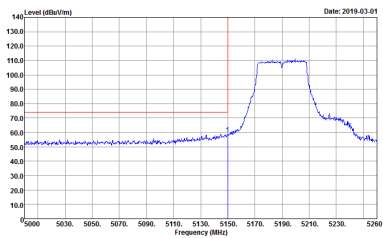
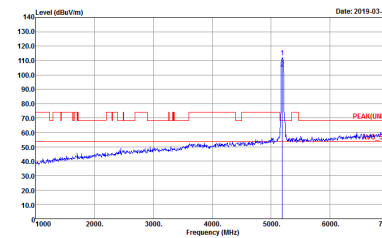
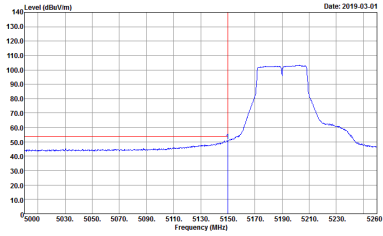
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



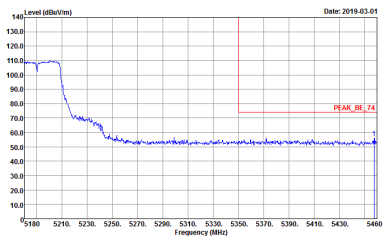
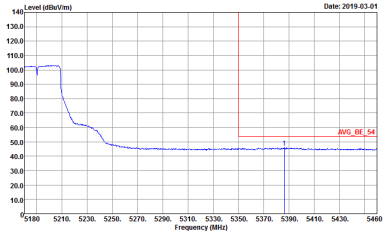
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



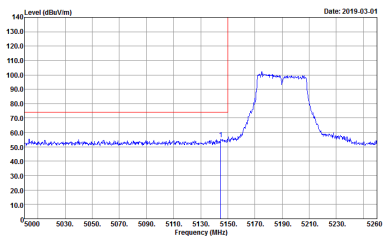
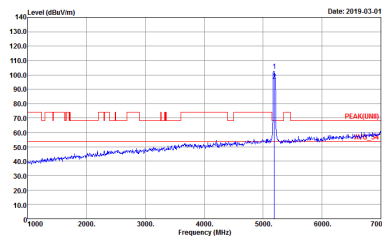
**Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-1FY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-1FY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	 <p>Site : 03CH16-1FY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank

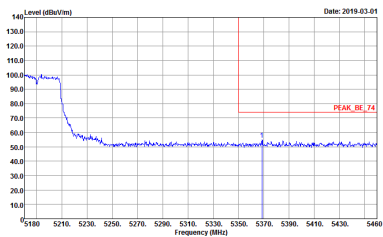
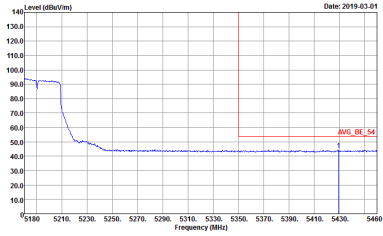


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



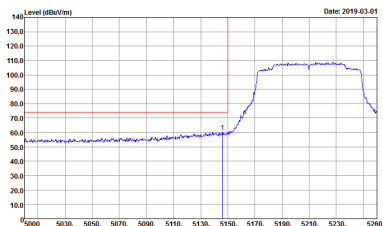
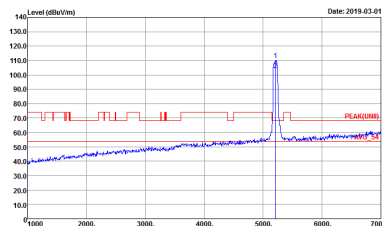
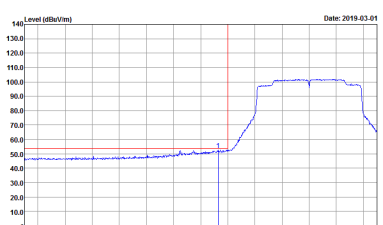
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank



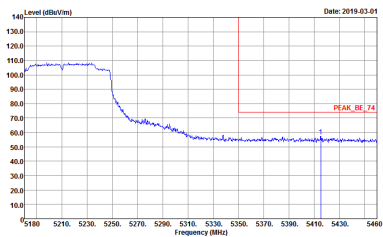
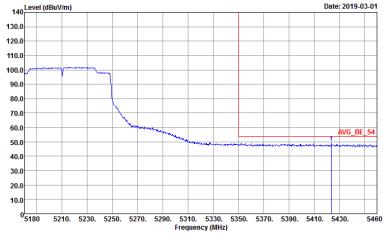
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



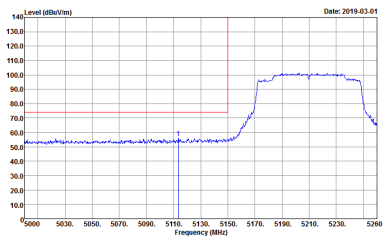
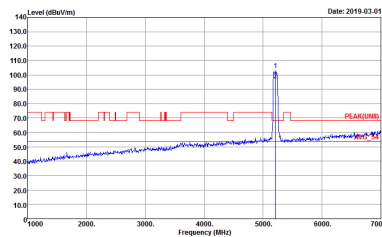
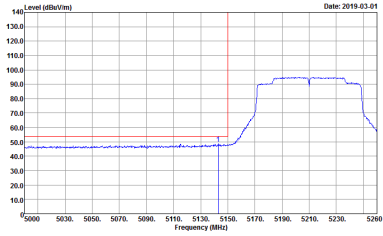
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-1FY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919 Setting : 12.625</p>	 <p>Site : 03CH16-1FY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919 Setting : 12.625</p>
Avg.	 <p>Site : 03CH16-1FY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 921919 Setting : 12.625</p>	Left blank

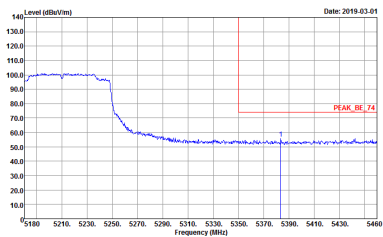
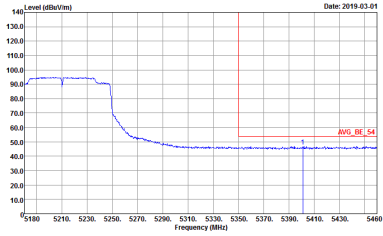


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919 Setting : 12.625</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919 Setting : 12.625</p>	<p>Left blank</p>



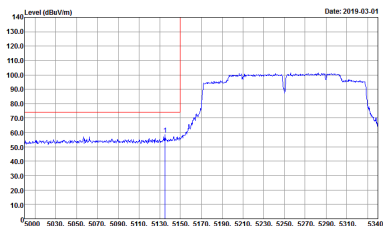
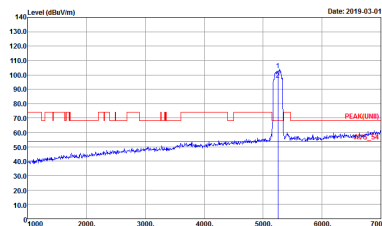
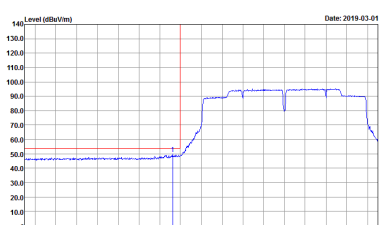
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919 Setting : 12.625</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919 Setting : 12.625</p>
Avg.	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 921919 Setting : 12.625</p>	Left blank



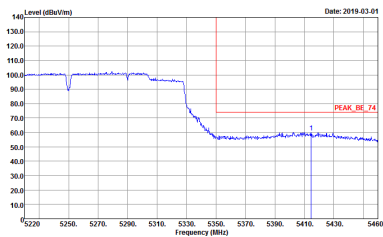
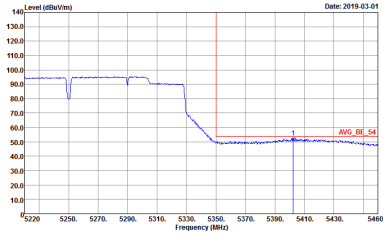
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 Setting : 12.625</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 Setting : 12.625</p>	<p>Left blank</p>



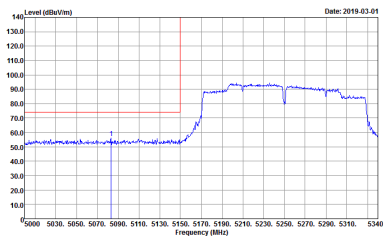
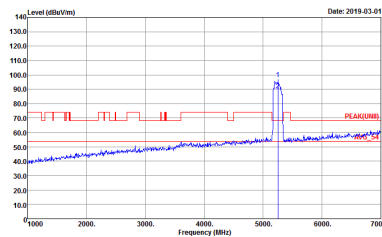
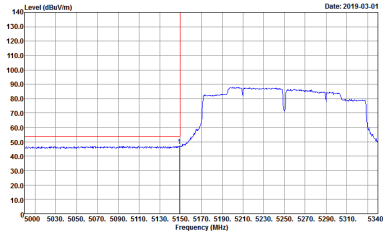
Band 1 5150~5250MHz
WIFI 802.11ac VHT160 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919 Setting : 9.125</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919 Setting : 9.125</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919 Setting : 9.125</p>	Left blank

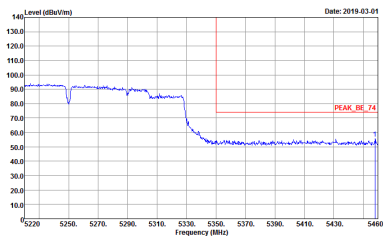
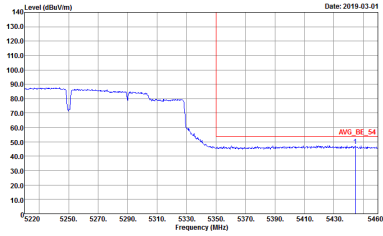


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 921919 Setting : 9.125</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 921919 Setting : 9.125</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 Setting : 9.125</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 Setting : 9.125</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 Setting : 9.125</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 Setting : 9.125</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919 Setting : 9.125</p>	<p>Left blank</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</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+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>

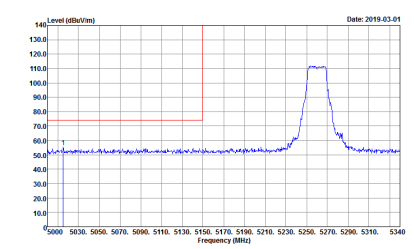
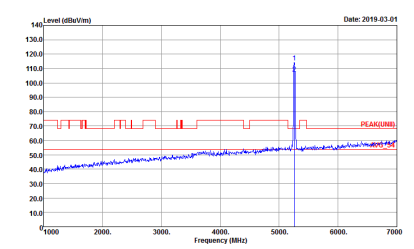
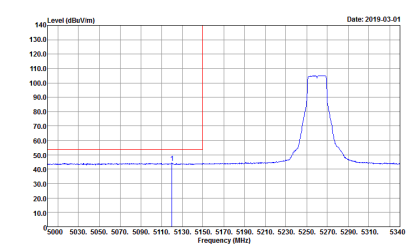


**Band 1 5150~5250MHz
WIFI 802.11ac VHT160 (Harmonic @ 3m)**

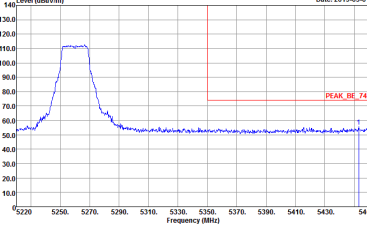
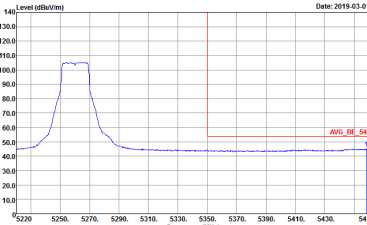
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT160 CH50 5250MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



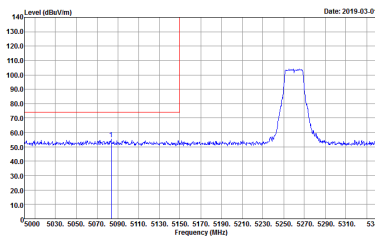
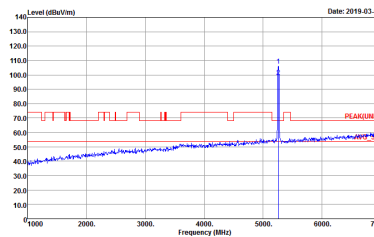
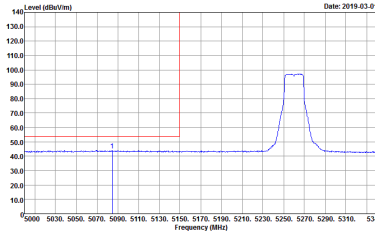
Band 2 - 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
<p align="center">Peak</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
<p align="center">Avg.</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p align="center">Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



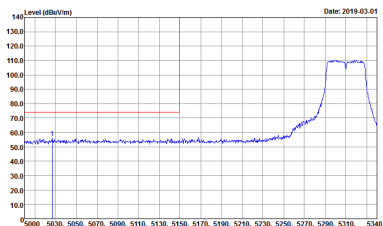
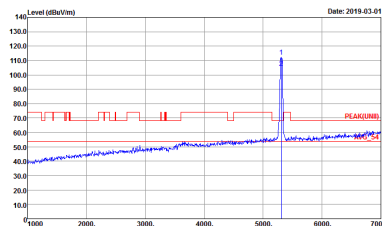
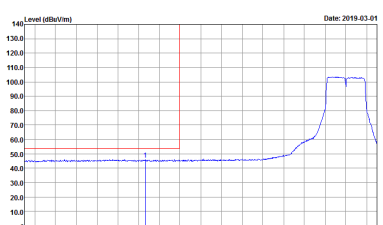
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 921919</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL Detector : RBW:1000.000KHz VBW:1000KHz SWT:Auto Project : Peak Project : 921919</p>	<p>Left blank</p>



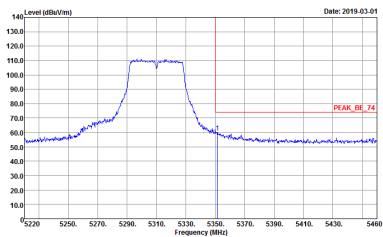
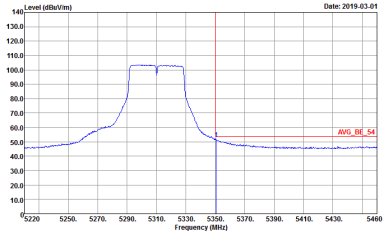
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>



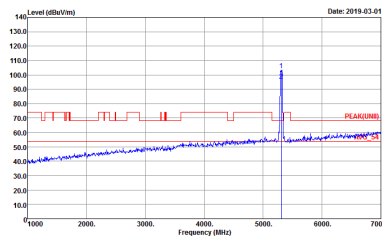
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
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 : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank

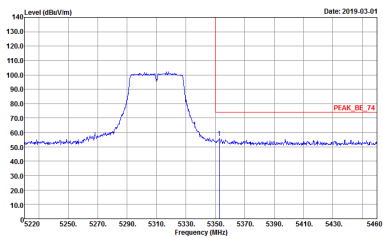
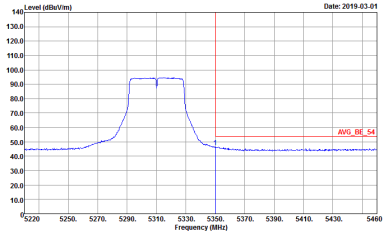


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



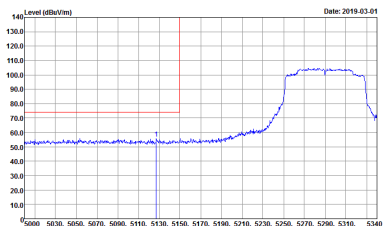
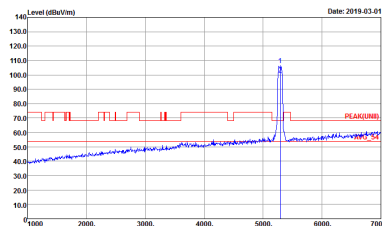
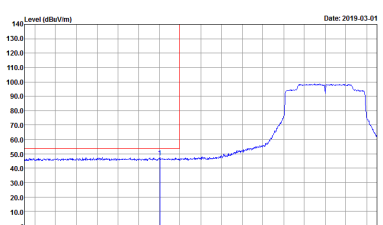
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 921919</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 921919</p>
Avg.	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 921919</p>	Left blank



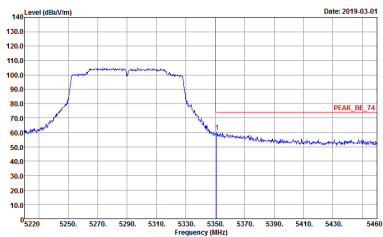
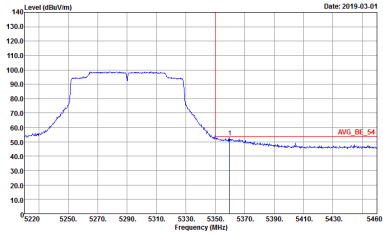
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



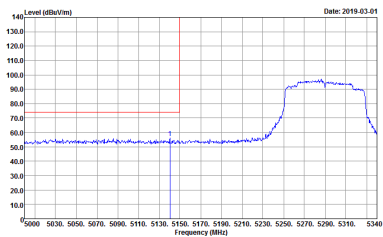
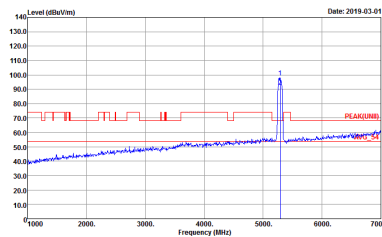
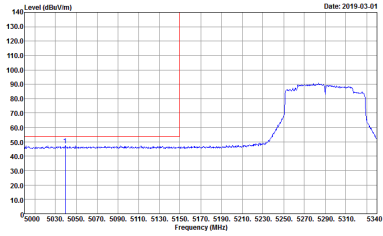
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+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 : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
Avg.	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 921919</p>	Left blank



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 RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</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 : 921919</p>	Left blank



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



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

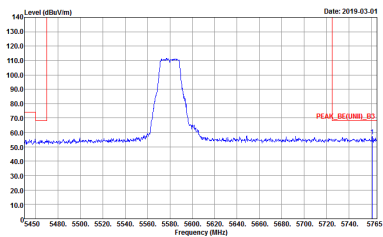
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



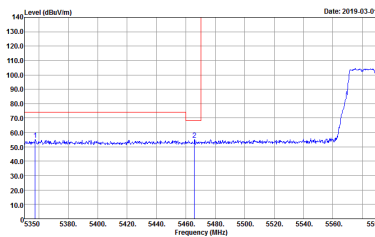
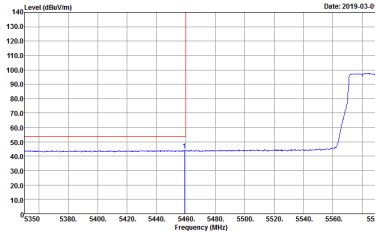
Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT)_3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak : 921919</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:1000KHz SWT:Auto Project : Peak : 921919</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : D3CH16-4/F Condition : PEAK_BE[UNIT], B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2019-03-01</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 : 921919</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
<p>Avg.</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p>Left blank</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 : 921919</p>	Left blank



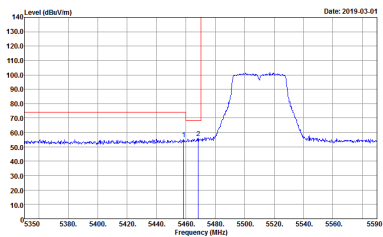
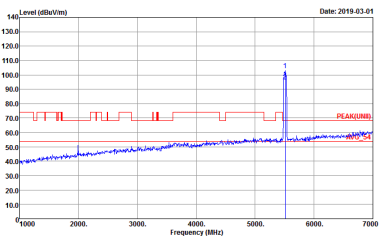
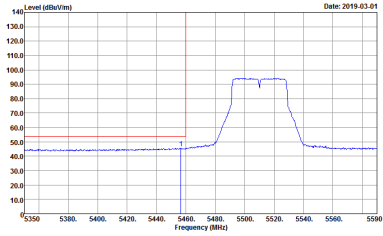
**Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-1FY Condition : PEAK_BE(UNIT1)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-1FY Condition : PEAK(UNIT1) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>
Avg.	<p>Site : 03CH16-1FY Condition : AVG_BE(UNIT1)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</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 : D3CH10-111 Condition : PEAK_BE[UNIT], B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank



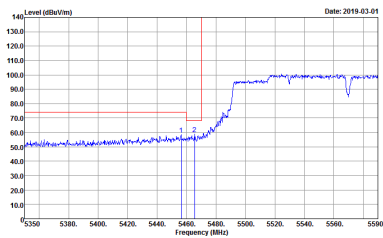
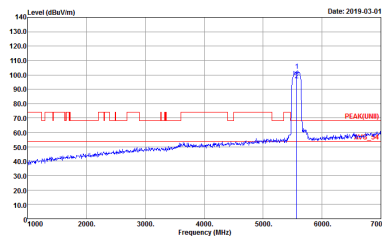
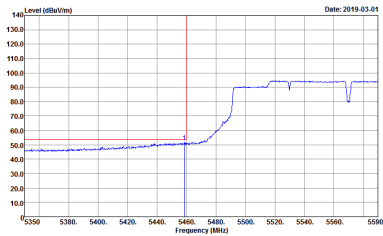
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>
Avg.	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank



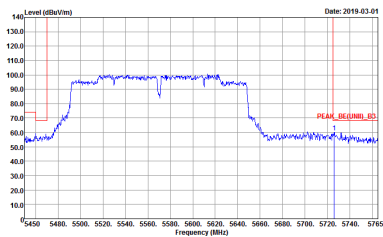
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : D3CH102-11V Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank



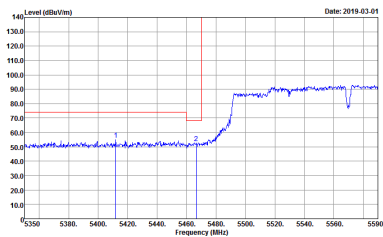
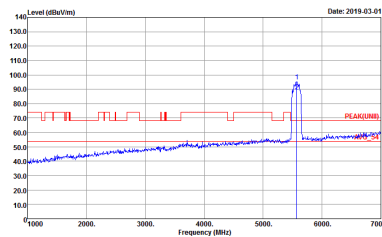
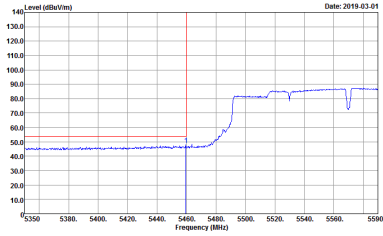
Band 3 5470~5725MHz
WIFI 802.11ac VHT160 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5570MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-1FY Condition : PEAK_BE(UNIT1)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-1FY Condition : PEAK(UNIT1) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>
Avg.	 <p>Site : 03CH16-1FY Condition : AVG_BE(UNIT1)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank



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 : 921919</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5570MHz - L	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT)_3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT160 CH114 5570MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : D8CH16-114 Condition : PEAK_BE[UNII], B3 3m 9120D_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>

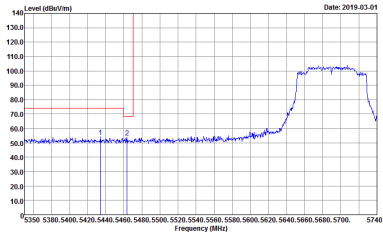
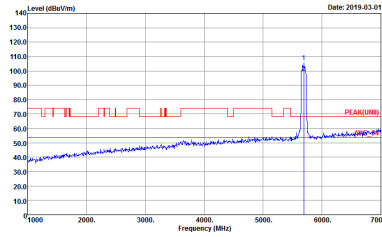
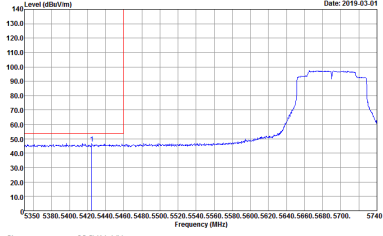


**Band 3 5470~5725MHz
WIFI 802.11ac VHT160 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT160 CH114 5570MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>



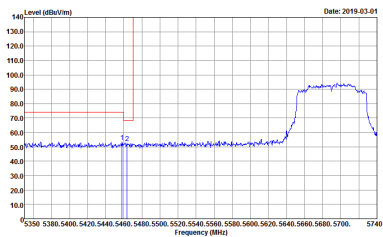
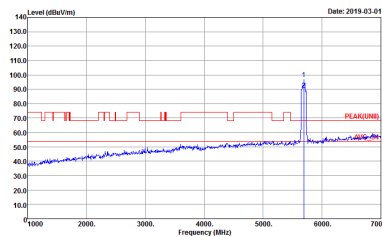
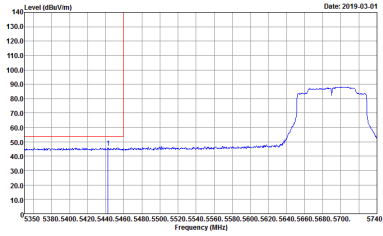
Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - L	
1+2	Horizontal	Fundamental
<p align="center">Peak</p>	 <p>Site : 03CH16-HY Condition : STRADDLES U-NII-1A2A 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>	 <p>Site : 03CH16-HY Condition : PEAK(U-NII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 921919</p>
<p align="center">Avg.</p>	 <p>Site : 03CH16-HY Condition : U-NII-1A2A AVERAGE 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 921919</p>	<p align="center">Left blank</p>



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : DSKH6-444 Condition : STRADDLES U-NII-1A2A 3m 91200_1522 HORIZONTAL Detector : Peak Project : 921919</p>	Left blank



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - L	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : STRADDLES U-NII-1A2A 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : PEAK(U-NII) 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>
<p>Avg.</p>	 <p>Date: 2019-03-01</p> <p>Site : 03CH16-HY Condition : U-NII-1A2A AVERAGE 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	<p>Left blank</p>



WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : DSKH6-444 Condition : STRADDLES U-NII-1A2A 3m 91200_1522 VERTICAL Detector : Peak Project : 921919</p>	Left blank



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-11Y Condition : PEAK(LINEI) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 921919</p>	<p>Site : 03CH16-11Y Condition : PEAK(LINEI) 3m 9120D_1522 VERTICAL Detector : Peak Project : 921919</p>



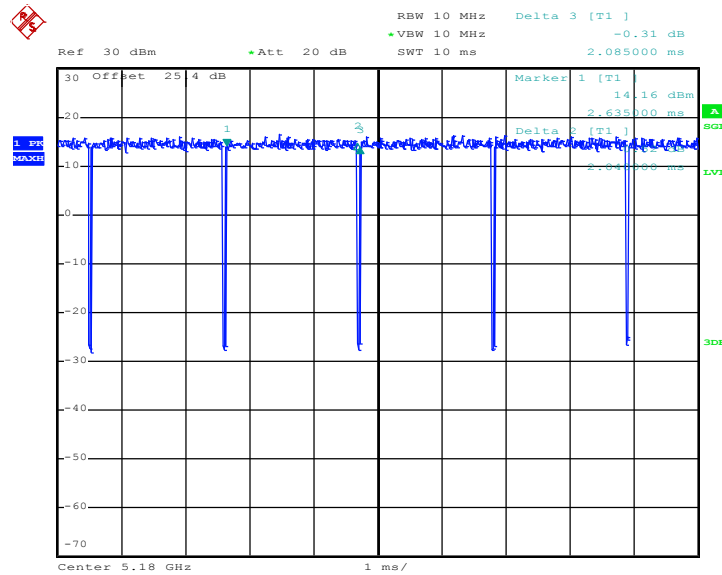
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor (dB)
1	802.11a	97.84	2040.00	0.49	1kHz	0.09
2	802.11a	96.68	2040.00	0.49	1kHz	0.15
1	5GHz 802.11n HT20	97.96	1920.00	0.52	1kHz	0.09
1+2	5GHz 802.11n HT20 for Ant. 1	96.45	1900.00	0.53	1kHz	0.16
1+2	5GHz 802.11n HT20 for Ant. 2	96.45	1900.00	0.53	1kHz	0.16
1	5GHz 802.11n HT40	95.92	940.00	1.06	3kHz	0.18
2	5GHz 802.11n HT40	95.43	940.00	1.06	3kHz	0.20
1+2	5GHz 802.11n HT40 for Ant. 1	94.44	935.00	1.07	3kHz	0.25
1+2	5GHz 802.11n HT40 for Ant. 2	95.43	940.00	1.06	3kHz	0.20
1	5GHz 802.11ac VHT80	92.68	582.00	1.72	3kHz	0.33
1+2	5GHz 802.11ac VHT80 for Ant. 1	85.87	316.00	3.16	10kHz	0.66
1+2	5GHz 802.11ac VHT80 for Ant. 2	85.87	316.00	3.16	10kHz	0.66
1	5GHz 802.11ac VHT160	93.33	588.00	1.70	3kHz	0.30
1+2	5GHz 802.11ac VHT160 for Ant. 1	86.02	320.00	3.13	10kHz	0.65
1+2	5GHz 802.11ac VHT160 for Ant. 2	85.87	316.00	3.16	10kHz	0.66



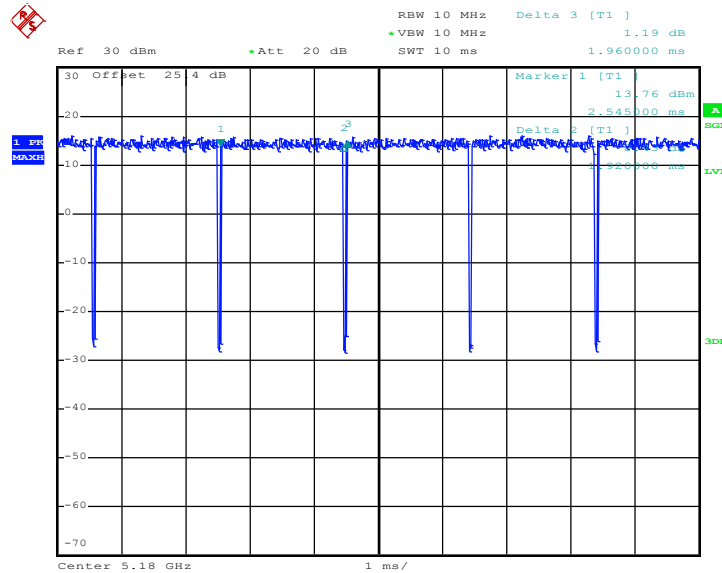
<Ant. 1>

802.11a



Date: 26.FEB.2019 00:41:06

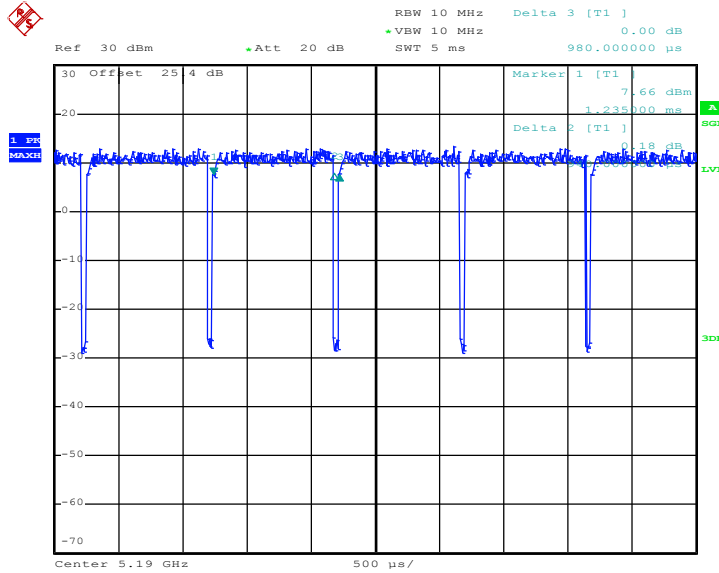
802.11n HT20



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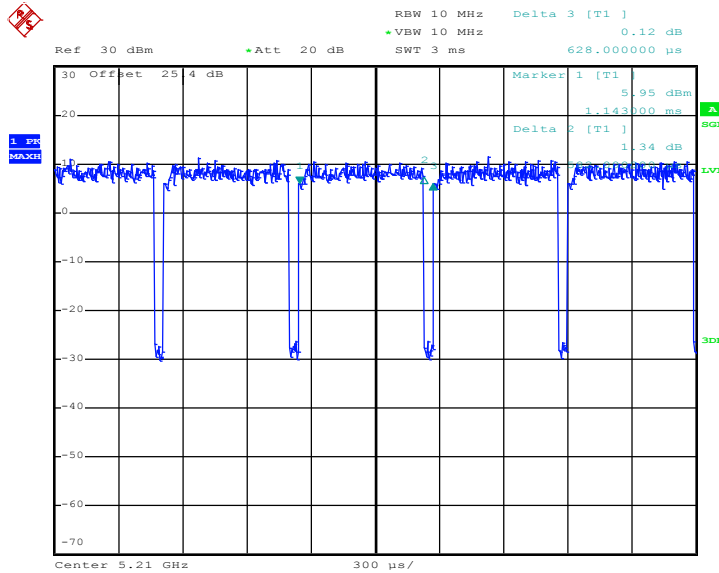


802.11n HT40



Date: 26.FEB.2019 00:49:25

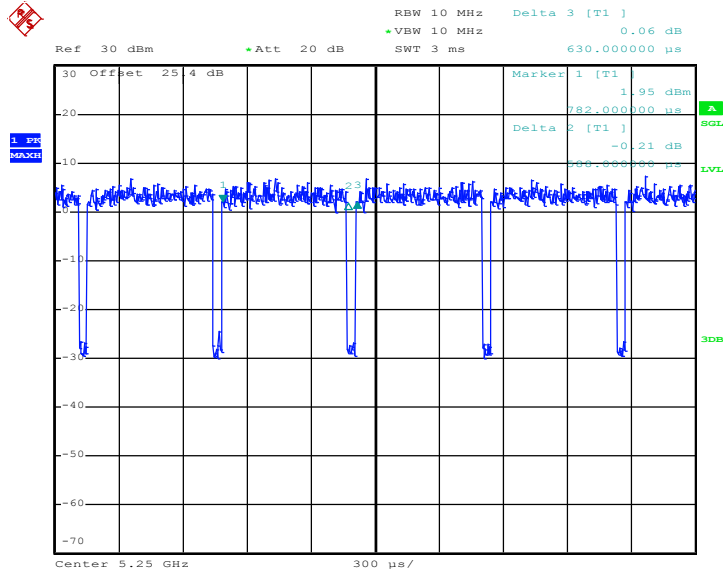
802.11ac VHT80



Date: 26.FEB.2019 01:32:48



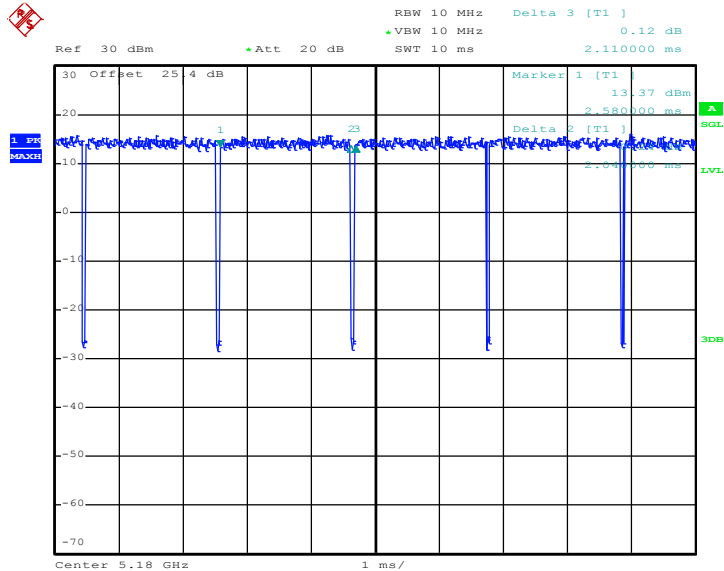
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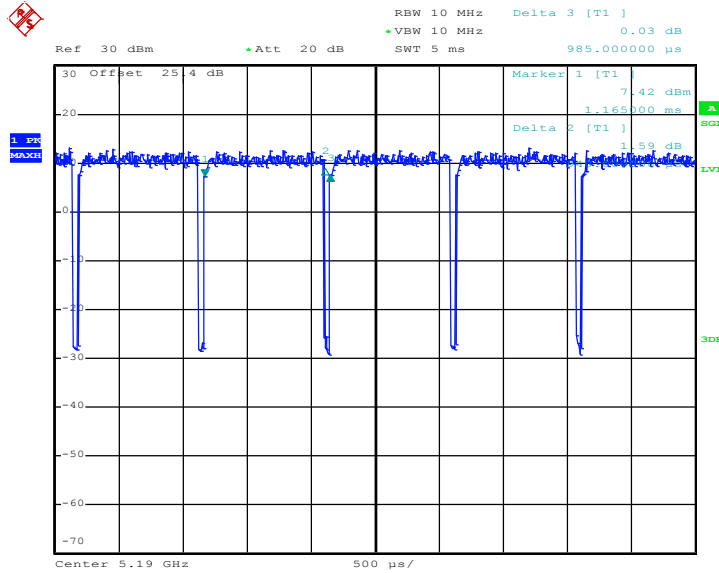
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Date: 26.FEB.2019 00:38:50



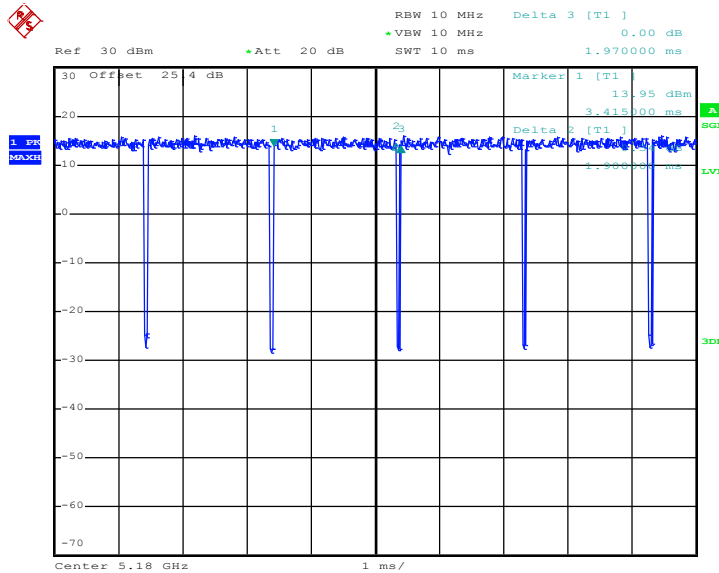
802.11n HT40



Date: 26.FEB.2019 00:51:13

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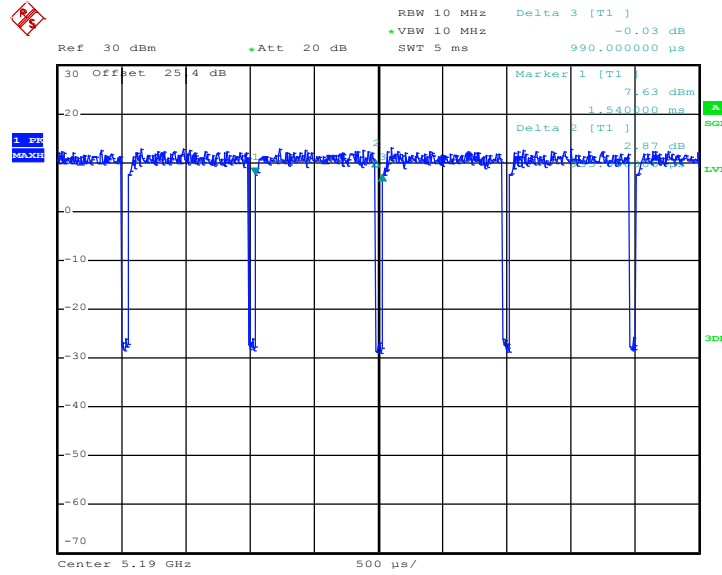
802.11n HT20



Date: 26.FEB.2019 00:46:00

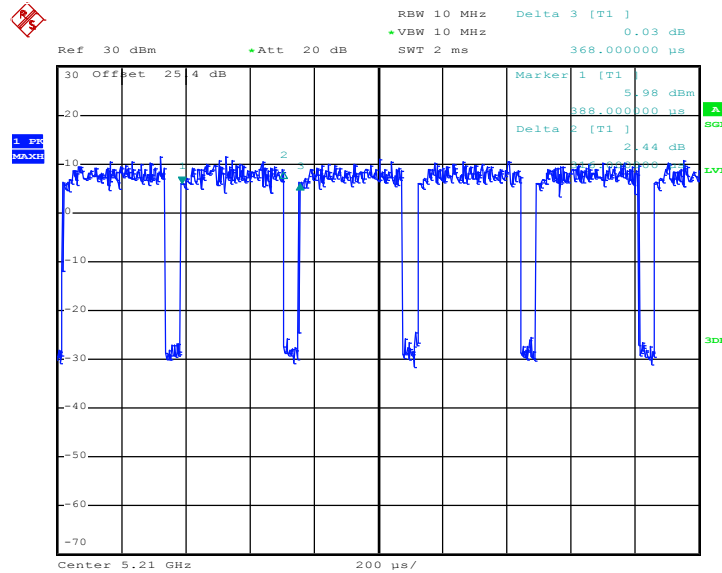


802.11n HT40



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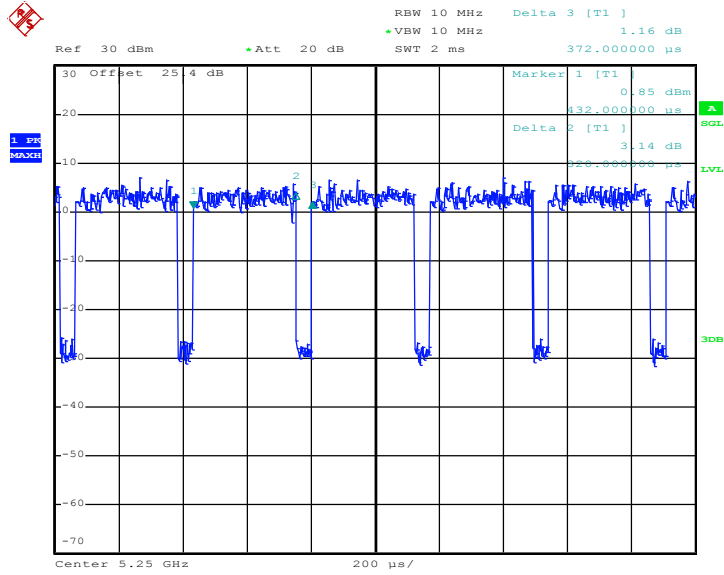
802.11ac VHT80



Date: 26.FEB.2019 01:30:30



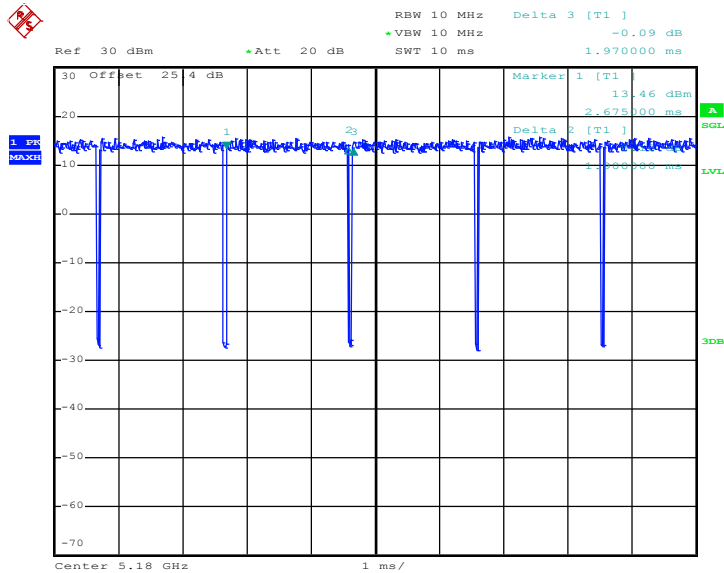
802.11ac VHT160



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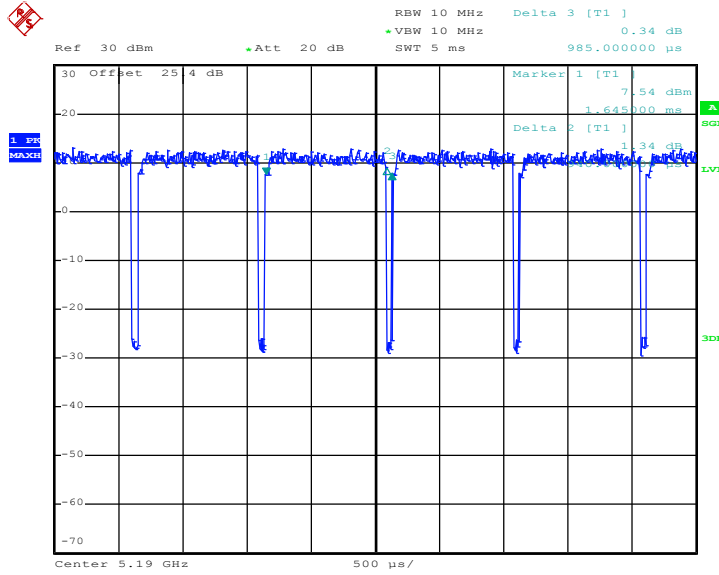
802.11n HT20



Date: 26.FEB.2019 00:47:03

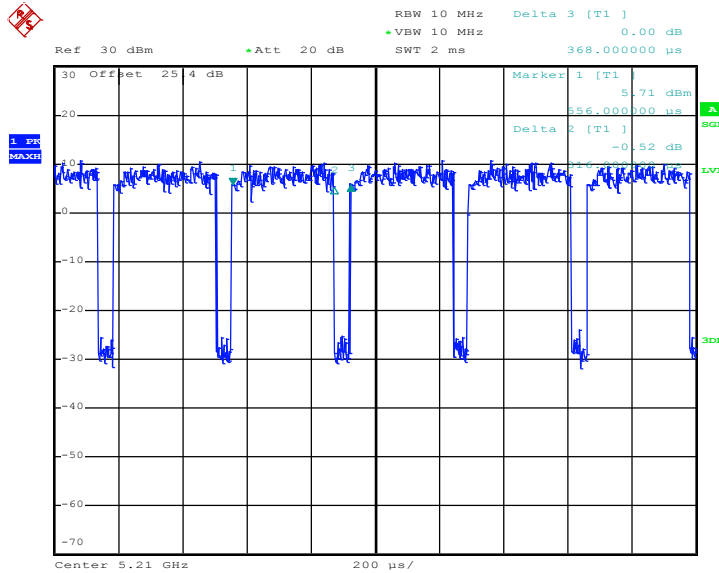


802.11n HT40



Date: 26.FEB.2019 00:52:49

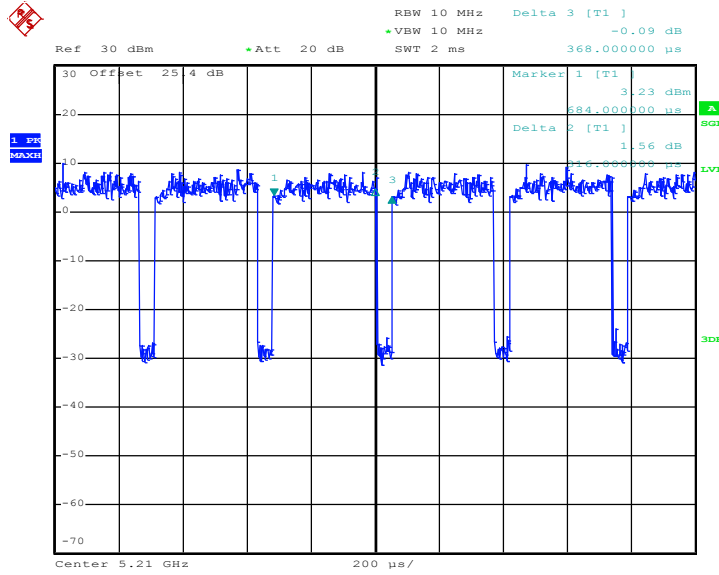
802.11ac VHT80



Date: 26.FEB.2019 01:31:22



802.11ac VHT160



Date: 26.FEB.2019 01:23:18