



FCC RADIO TEST REPORT

FCC ID : B32V240MPLUSU
Equipment : Point of Sales Terminal
Brand Name : Verifone
Model Name : V240m Plus 3GBWU,
V240m Plus 3GBWCU
Applicant : Verifone, Inc.
1400 West Stanford Ranch Road,
Suite 200, Rocklin CA 95765 USA
Manufacturer : Verifone, Inc.
Standard : FCC Part 15 Subpart E §15.407

The product was received on Nov. 04, 2020 and testing was started from Nov. 16, 2020 and completed on Dec. 10, 2020. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Modification of EUT	5
1.3 Testing Location	6
1.4 Applicable Standards.....	6
2 Test Configuration of Equipment Under Test	7
2.1 Carrier Frequency and Channel	7
2.2 Test Mode.....	8
2.3 Connection Diagram of Test System.....	10
2.4 Support Unit used in test configuration and system	10
2.5 EUT Operation Test Setup	11
2.6 Measurement Results Explanation Example.....	11
3 Test Result	12
3.1 26dB & 99% Occupied Bandwidth Measurement	12
3.2 Maximum Conducted Output Power Measurement	14
3.3 Power Spectral Density Measurement	16
3.4 Unwanted Emissions Measurement.....	19
3.5 AC Conducted Emission Measurement.....	24
3.6 Automatically Discontinue Transmission	26
3.7 Antenna Requirements.....	27
4 List of Measuring Equipment.....	28
5 Uncertainty of Evaluation	30
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission	
Appendix D. Radiated Spurious Emission Plots	
Appendix E. Duty Cycle Plots	
Appendix F. Setup Photographs	



History of this test report

Report No.	Version	Description	Issued Date
FR862115-01E	01	Initial issue of report	Dec. 14, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 2.05 dB at 5350.320 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 7.89 dB at 0.478 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Wii Chang

Report Producer: Amy Chen

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
SKU 1	EUT with Camera
SKU 2	EUT without Camera
Antenna Type	WWAN: PIFA Antenna WLAN: FPC Antenna Bluetooth: FPC Antenna RFID: Loop Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	3.30
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	3.30
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	2.80

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

Specification of Accessory		
AC Adapter 1	Brand Name	Verifone
	Manufacturer	PHIHONG
	Model Name	AM11A-050A
	Power Rating	Input : 100-240Vac, 0.5A Output: 5Vdc, 2.2A, 11W
AC Adapter 2	Brand Name	Verifone
	Manufacturer	Salcomp
	Model Name	VF0402
	Power Rating	Input : 100-240Vac, 0.5A Output: 5Vdc, 2.2A, 11W
AC Adapter 3	Brand Name	Verifone
	Manufacturer	Salcomp
	Model Name	SC1402
	Power Rating	Input : 100-240Vac, 0.15A Output: 5Vdc, 1A, 5W
AC Adapter 4	Brand Name	Verifone
	Manufacturer	Leader
	Model Name	MU06-E050100-A1
	Power Rating	Input : 100-240Vac, 0.18A Output: 5Vdc, 1A, 5W
Battery	Brand Name	Verifone
	Model Name	BPK474-001

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. EMC & Wireless Communications Laboratory
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, 03CH07-HY

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

FCC designation No.: TW1190

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.
- ♦ ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

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

Note:

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

2.2 Test Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1: RFID On + Bluetooth TX + WLAN (5GHz) Link + MSR + Smart Card + Adapter 1 + Speaker + Display for SKU 2 Mode 2: RFID On + Bluetooth TX + WLAN (5GHz) Link + MSR + Smart Card + Adapter 1 + LED + Speaker + Display + Camera for SKU 1
Remark: 1. The worst case of conducted emission is mode 1; only the test data of it was reported. 2. For Radiated Test Cases, the tests were performed with Adapter 1.	

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

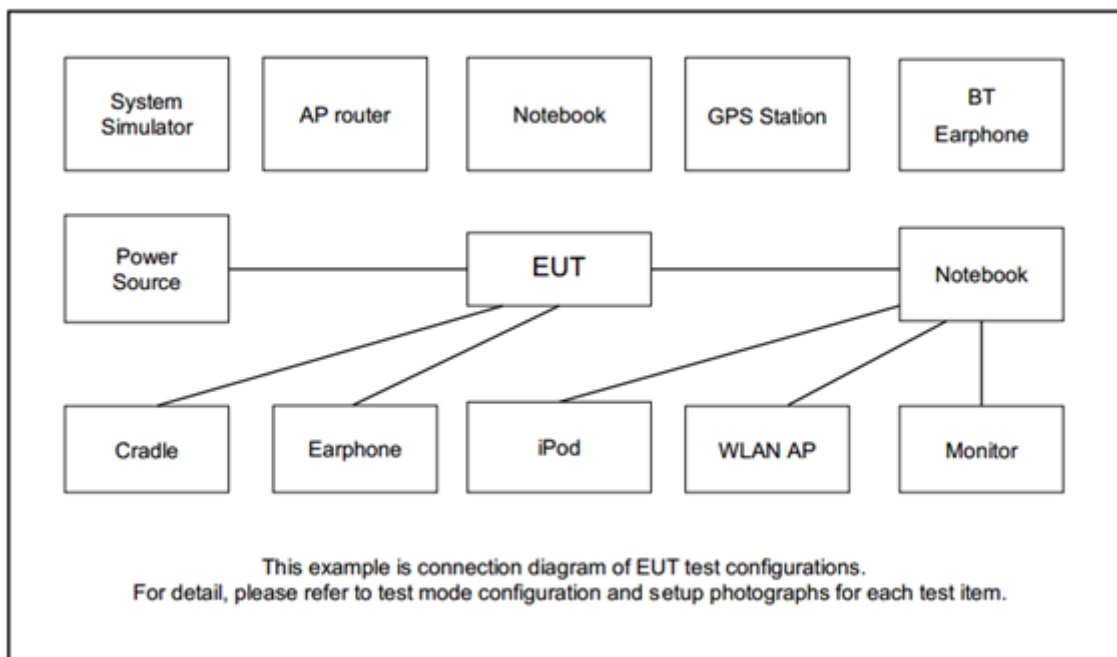
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude E3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
4.	MSR Card	N/A	N/A	N/A	N/A	N/A
5.	Smart Card	N/A	N/A	N/A	N/A	N/A



2.5 EUT Operation Test Setup

The RF test items, utility "Tera Term v4.65" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

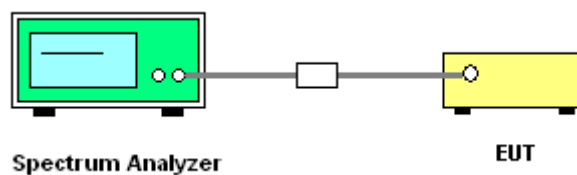
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

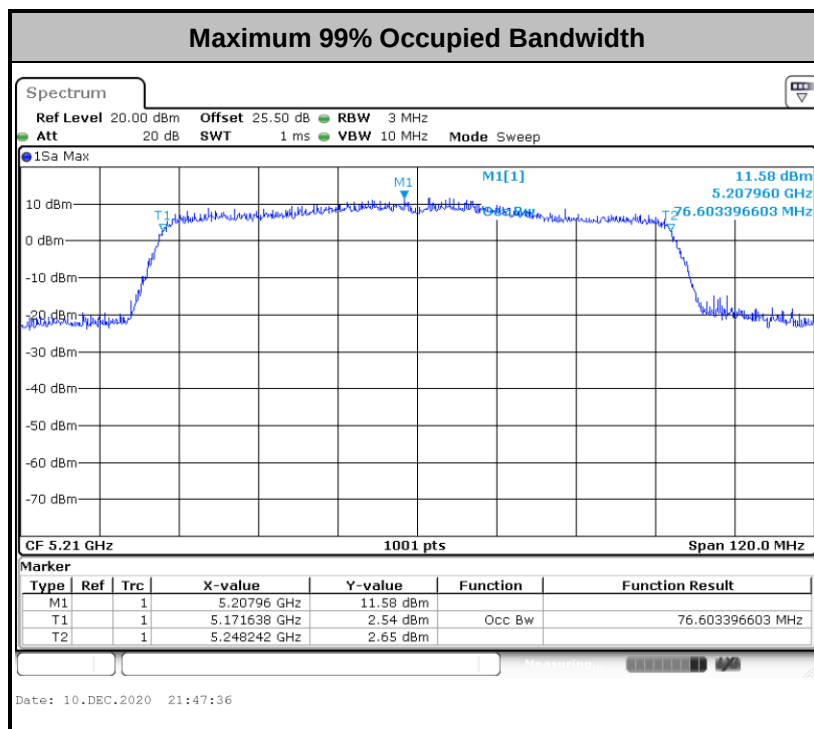
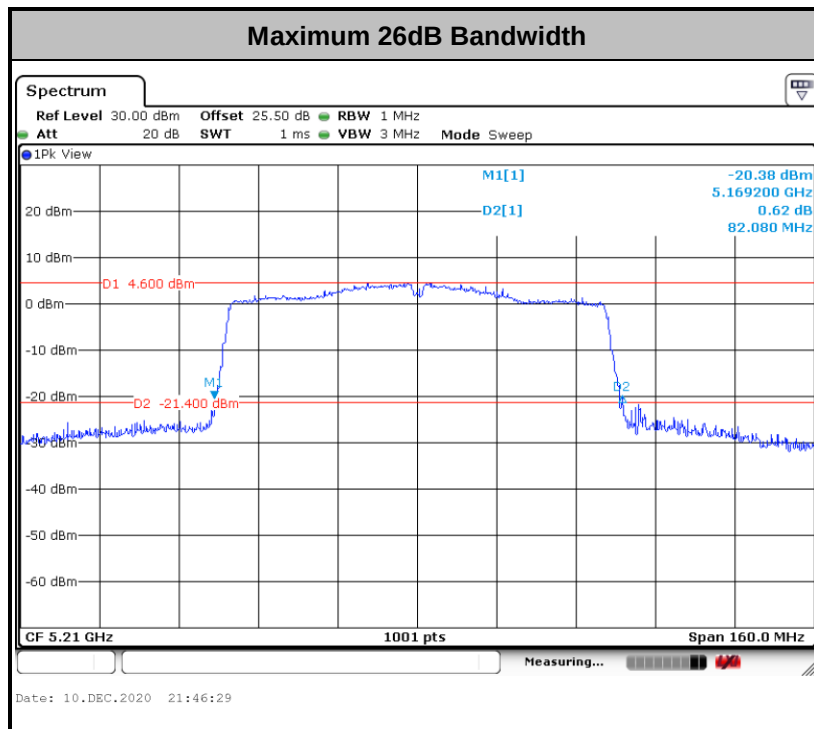
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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



3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

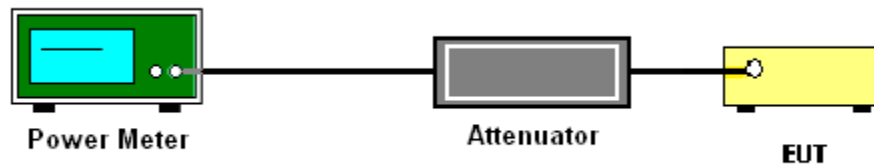
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

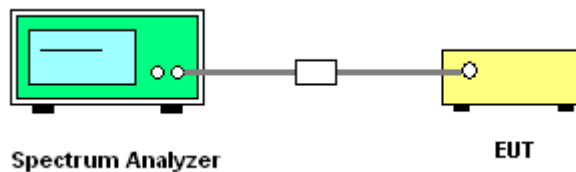
Section F) Maximum power spectral density.

Method SA-3

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

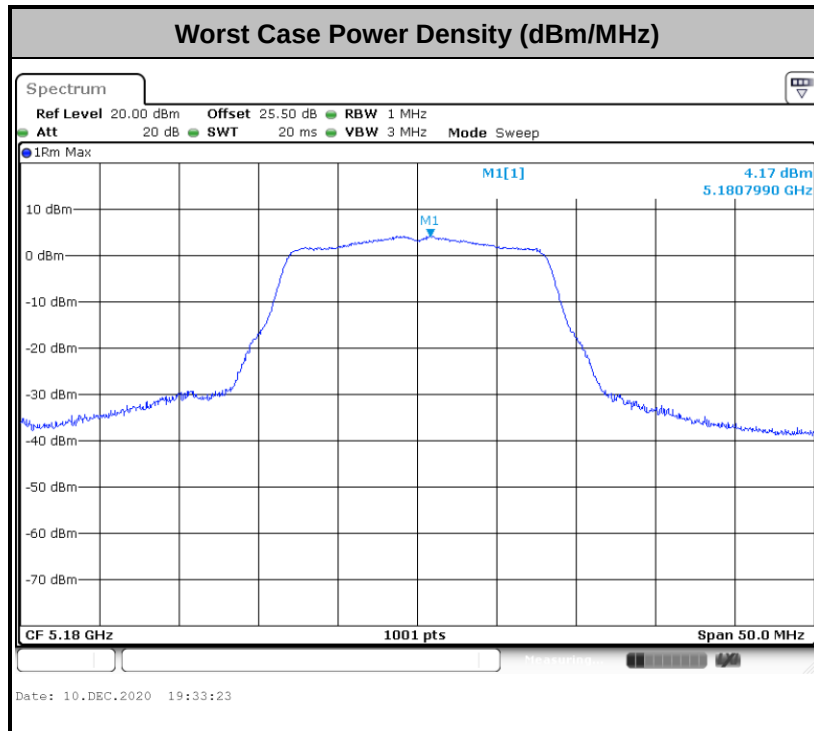
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time $\leq$ (number of points in sweep) $\times$ T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Detector = power averaging (rms).
 - Trace mode = max hold.
 - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

EIRP (dBm)	Field Strength at 3m (dB μ V/m)
- 27	68.3

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

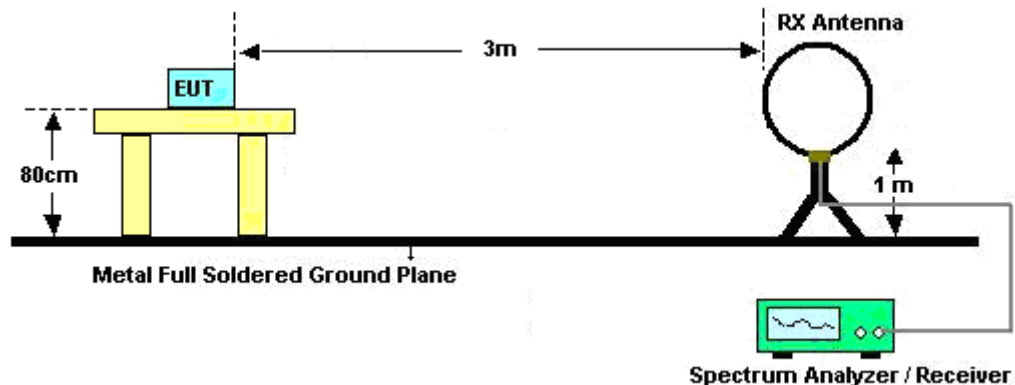
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

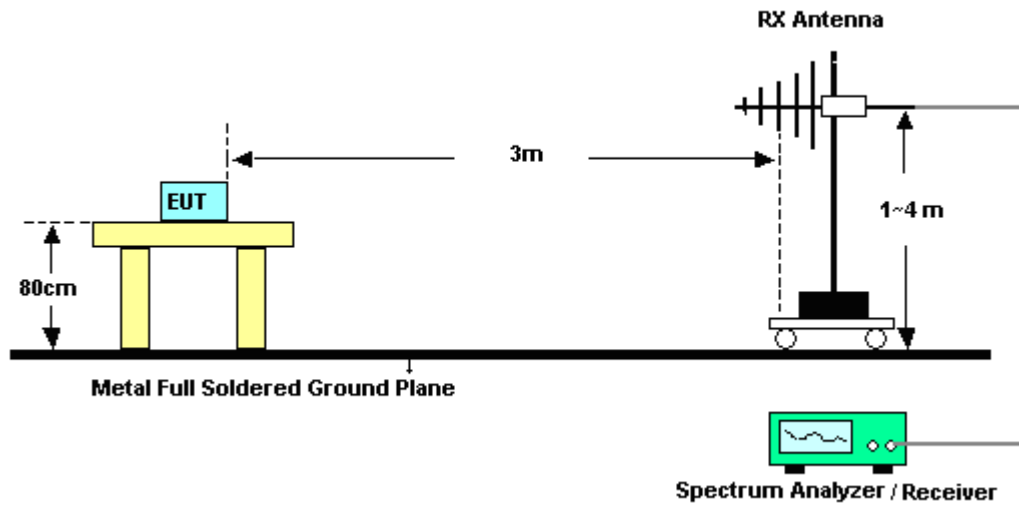
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

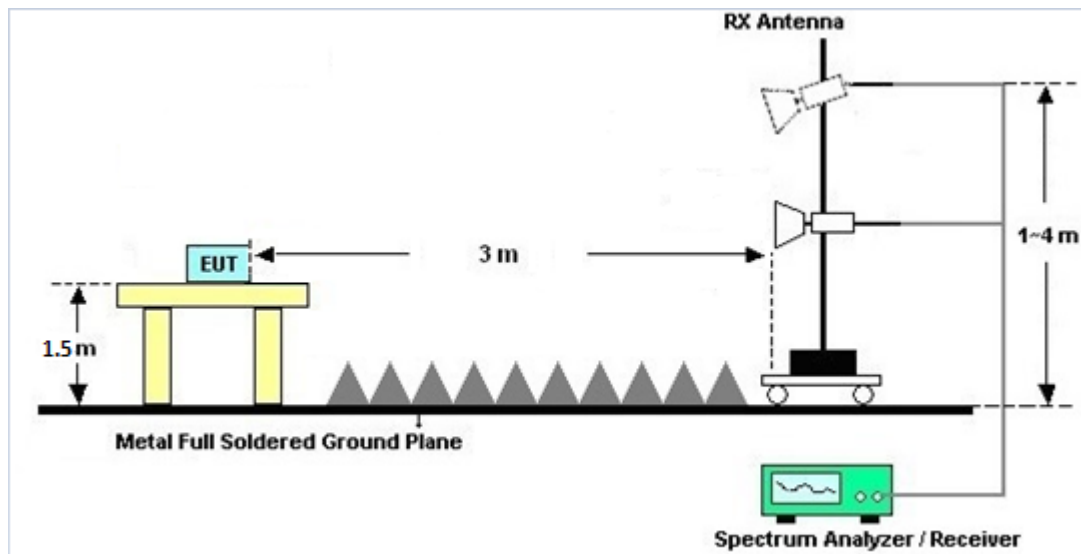
For radiated test below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (dB 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.

For terminal test result, the testing follows FCC KDB 174176.

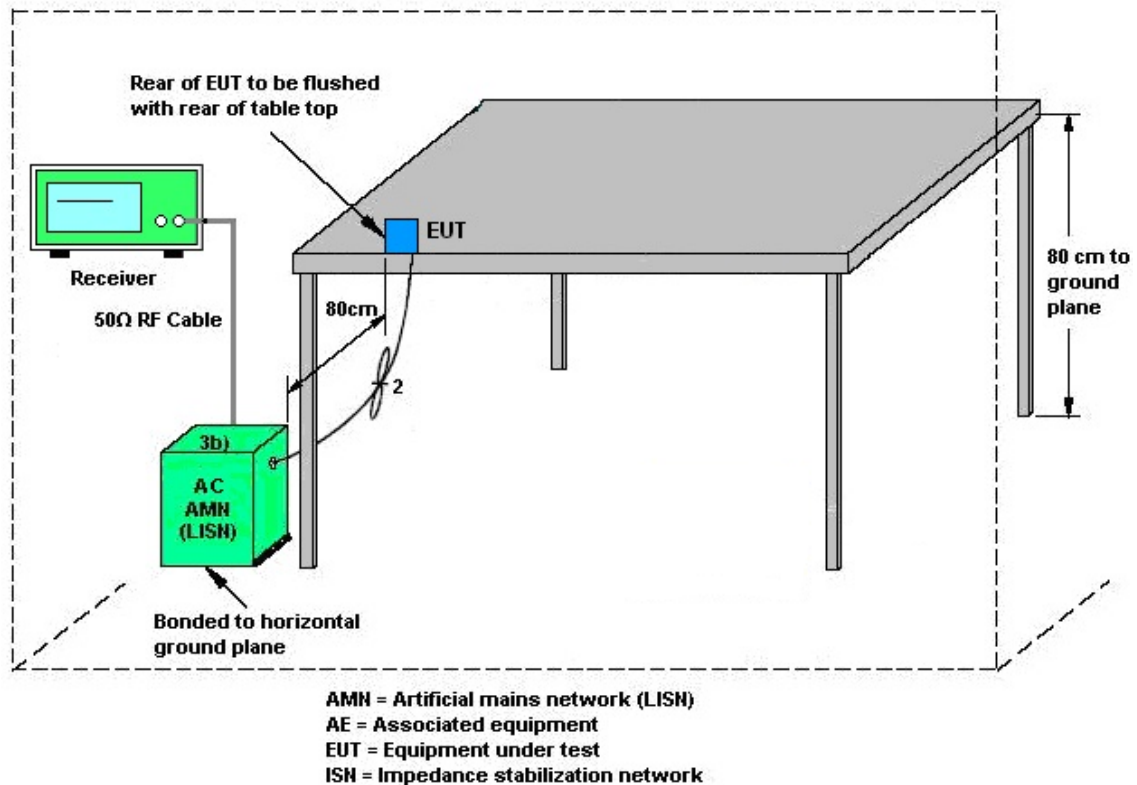
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

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



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Dec. 26, 2019	Nov. 24, 2020~ Dec. 07, 2020	Dec. 25, 2020	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N- 06	35419 & 03	30MHz~1GHz	Apr. 29, 2020	Nov. 24, 2020~ Dec. 07, 2020	Apr. 28, 2021	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 06, 2019	Nov. 24, 2020~ Nov. 29, 2020	Dec. 05, 2020	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00027880	1GHz ~ 18GHz	Sep. 15, 2020	Nov. 24, 2020~ Dec. 07, 2020	Sep. 14, 2021	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA91705 84	18GHz~40GHz	Dec. 10, 2019	Nov. 24, 2020~ Dec. 07, 2020	Dec. 09, 2020	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	May 21, 2020	Nov. 24, 2020~ Dec. 07, 2020	May 20, 2021	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Jun. 09, 2020	Nov. 24, 2020~ Dec. 07, 2020	Jun. 08, 2021	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	May 19, 2020	Nov. 24, 2020~ Dec. 07, 2020	May 18, 2021	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-00101 800-30-10P	1590075	1GHz~18GHz	Apr. 23, 2020	Nov. 24, 2020~ Dec. 07, 2020	Apr. 22, 2021	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~26.5GHz	Oct. 31, 2020	Nov. 24, 2020~ Dec. 07, 2020	Oct. 30, 2021	Radiation (03CH07-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 13, 2019	Nov. 24, 2020~ Dec. 07, 2020	Dec. 12, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2,80 1606/2	18GHz~40GHz	Feb. 25, 2020	Nov. 24, 2020~ Dec. 07, 2020	Feb. 24, 2021	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4, MY28655/4	9kHz~30MHz	Feb. 25, 2020	Nov. 24, 2020~ Dec. 07, 2020	Feb. 24, 2021	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	30MHz~1GHz	Feb. 25, 2020	Nov. 24, 2020~ Dec. 07, 2020	Feb. 24, 2021	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	1GHz~18GHz	Feb. 25, 2020	Nov. 24, 2020~ Dec. 07, 2020	Feb. 24, 2021	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	801606/2	9KHz ~ 40GHz	N/A	Nov. 24, 2020~ Dec. 07, 2020	N/A	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Nov. 24, 2020~ Dec. 07, 2020	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Nov. 24, 2020~ Dec. 07, 2020	N/A	Radiation (03CH07-HY)
USB Data Logger	TECPEL	TR-32	HE17XB249 5	N/A	N/A	Nov. 24, 2020~ Dec. 07, 2020	N/A	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8-24	N/A	N/A	N/A	Nov. 24, 2020~ Dec. 07, 2020	N/A	Radiation (03CH07-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 16, 2020~ Nov. 27, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Nov. 16, 2020~ Nov. 27, 2020	Sep. 10, 2021	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Nov. 16, 2020~ Nov. 18, 2020	Nov. 19, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2020	Nov. 19, 2020~ Nov. 27, 2020	Nov. 15, 2021	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 16, 2020~ Nov. 27, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Nov. 16, 2020~ Nov. 27, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Nov. 16, 2020~ Nov. 27, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	41310167	N/A	Jul. 27, 2020	Nov. 16, 2020~ Nov. 27, 2020	Jul. 26, 2021	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Nov. 17, 2020~ Dec. 10, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SN O10	10MHz~6GHz	Dec. 23, 2019	Nov. 17, 2020~ Dec. 10, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz ~ 40GHz	Jul. 22, 2020	Nov. 17, 2020~ Dec. 10, 2020	Jul. 21, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Dec. 30, 2019	Nov. 17, 2020~ Dec. 10, 2020	Dec. 29, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2020	Nov. 17, 2020~ Dec. 10, 2020	Mar. 16, 2021	Conducted (TH05-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.3
---	-----

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.7
---	-----

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3
---	-----

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0
---	-----

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Junyu Jhou	Temperature:	22.5~23.5	°C
Test Date:	2020/11/17~2020/12/10	Relative Humidity:	53.5~55.7	%

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	16.93	-	22.90	-	-	-	22.29	-	
11a	6Mbps	1	44	5220	17.03	-	22.85	-	-	-	22.31	-	
11a	6Mbps	1	48	5240	17.03	-	22.90	-	-	-	22.31	-	
HT20	MCS0	1	36	5180	18.03	-	23.10	-	-	-	22.56	-	
HT20	MCS0	1	44	5220	18.08	-	22.90	-	-	-	22.57	-	
HT20	MCS0	1	48	5240	18.08	-	22.85	-	-	-	22.57	-	
HT40	MCS0	1	38	5190	36.66	-	46.71	-	-	-	23.01	-	
HT40	MCS0	1	46	5230	36.86	-	49.50	-	-	-	23.01	-	
VHT80	MCS0	1	42	5210	76.60	-	82.08	-	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	13.80	-		24.00	-	3.30	-	Pass
11a	6Mbps	1	44	5220	13.60	-		24.00	-	3.30	-	Pass
11a	6Mbps	1	48	5240	12.70	-		24.00	-	3.30	-	Pass
HT20	MCS0	1	36	5180	13.40	-		24.00	-	3.30	-	Pass
HT20	MCS0	1	44	5220	13.40	-		24.00	-	3.30	-	Pass
HT20	MCS0	1	48	5240	13.10	-		24.00	-	3.30	-	Pass
HT40	MCS0	1	38	5190	13.70	-		24.00	-	3.30	-	Pass
HT40	MCS0	1	46	5230	13.40	-		24.00	-	3.30	-	Pass
VHT20	MCS0	1	36	5180	13.30	-		24.00	-	3.30	-	Pass
VHT20	MCS0	1	44	5220	13.30	-		24.00	-	3.30	-	Pass
VHT20	MCS0	1	48	5240	13.00	-		24.00	-	3.30	-	Pass
VHT40	MCS0	1	38	5190	13.60	-		24.00	-	3.30	-	Pass
VHT40	MCS0	1	46	5230	13.30	-		24.00	-	3.30	-	Pass
VHT80	MCS0	1	42	5210	13.70	-		24.00	-	3.30	-	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	4.17	-		11.00	-	3.30	-	Pass
11a	6Mbps	1	44	5220	3.13	-		11.00	-	3.30	-	Pass
11a	6Mbps	1	48	5240	2.81	-		11.00	-	3.30	-	Pass
HT20	MCS0	1	36	5180	3.35	-		11.00	-	3.30	-	Pass
HT20	MCS0	1	44	5220	3.72	-		11.00	-	3.30	-	Pass
HT20	MCS0	1	48	5240	3.01	-		11.00	-	3.30	-	Pass
HT40	MCS0	1	38	5190	1.37	-		11.00	-	3.30	-	Pass
HT40	MCS0	1	46	5230	0.66	-		11.00	-	3.30	-	Pass
VHT80	MCS0	1	42	5210	-2.59	-		11.00	-	3.30	-	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/3kHz)			Average PSD Limit (dBm/3kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	-10.85	-		14.00	-	3.30	-	Pass
11a	6Mbps	1	44	5220	-11.46	-		14.00	-	3.30	-	Pass
11a	6Mbps	1	48	5240	-12.06	-		14.00	-	3.30	-	Pass
HT20	MCS0	1	36	5180	-10.82	-		14.00	-	3.30	-	Pass
HT20	MCS0	1	44	5220	-11.99	-		14.00	-	3.30	-	Pass
HT20	MCS0	1	48	5240	-12.16	-		14.00	-	3.30	-	Pass
HT40	MCS0	1	38	5190	-14.29	-		14.00	-	3.30	-	Pass
HT40	MCS0	1	46	5230	-15.01	-		14.00	-	3.30	-	Pass
VHT80	MCS0	1	42	5210	-17.15	-		14.00	-	3.30	-	Pass

Remark: Follow AS 4268 PSD limit.

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	17.03	-	22.80	-	23.31	-	29.31	-	23.98	-	
11a	6Mbps	1	60	5300	17.03	-	22.95	-	23.31	-	29.31	-	23.98	-	
11a	6Mbps	1	64	5320	17.08	-	23.00	-	23.33	-	29.33	-	23.98	-	
HT20	MCS0	1	52	5260	18.03	-	22.55	-	23.56	-	29.56	-	23.98	-	
HT20	MCS0	1	60	5300	18.13	-	23.50	-	23.58	-	29.58	-	23.98	-	
HT20	MCS0	1	64	5320	18.03	-	22.70	-	23.56	-	29.56	-	23.98	-	
HT40	MCS0	1	54	5270	36.66	-	40.68	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.76	-	40.68	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	76.48	-	82.08	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	13.50	-		23.98	-	3.30	-	26.99	Pass
11a	6Mbps	1	60	5300	13.60	-		23.98	-	3.30	-	26.99	Pass
11a	6Mbps	1	64	5320	12.80	-		23.98	-	3.30	-	26.99	Pass
HT20	MCS0	1	52	5260	13.20	-		23.98	-	3.30	-	26.99	Pass
HT20	MCS0	1	60	5300	13.30	-		23.98	-	3.30	-	26.99	Pass
HT20	MCS0	1	64	5320	12.50	-		23.98	-	3.30	-	26.99	Pass
HT40	MCS0	1	54	5270	12.90	-		23.98	-	3.30	-	26.99	Pass
HT40	MCS0	1	62	5310	12.50	-		23.98	-	3.30	-	26.99	Pass
VHT20	MCS0	1	52	5260	13.10	-		23.98	-	3.30	-	26.99	Pass
VHT20	MCS0	1	60	5300	13.20	-		23.98	-	3.30	-	26.99	Pass
VHT20	MCS0	1	64	5320	12.40	-		23.98	-	3.30	-	26.99	Pass
VHT40	MCS0	1	54	5270	12.80	-		23.98	-	3.30	-	26.99	Pass
VHT40	MCS0	1	62	5310	12.40	-		23.98	-	3.30	-	26.99	Pass
VHT80	MCS0	1	58	5290	11.00	-		23.98	-	3.30	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	3.30	-		11.00	-	3.30	-	Pass
11a	6Mbps	1	60	5300	3.67	-		11.00	-	3.30	-	Pass
11a	6Mbps	1	64	5320	2.76	-		11.00	-	3.30	-	Pass
HT20	MCS0	1	52	5260	3.19	-		11.00	-	3.30	-	Pass
HT20	MCS0	1	60	5300	3.23	-		11.00	-	3.30	-	Pass
HT20	MCS0	1	64	5320	2.47	-		11.00	-	3.30	-	Pass
HT40	MCS0	1	54	5270	0.01	-		11.00	-	3.30	-	Pass
HT40	MCS0	1	62	5310	-0.60	-		11.00	-	3.30	-	Pass
VHT80	MCS0	1	58	5290	-4.99	-		11.00	-	3.30	-	Pass

TEST RESULTS DATA
Power Spectral Density

Band II single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/3kHz)			Average PSD Limit (dBm/3kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	-10.72	-		14.00	-	3.30	-	Pass
11a	6Mbps	1	60	5300	-10.60	-		14.00	-	3.30	-	Pass
11a	6Mbps	1	64	5320	-11.58	-		14.00	-	3.30	-	Pass
HT20	MCS0	1	52	5260	-12.36	-		14.00	-	3.30	-	Pass
HT20	MCS0	1	60	5300	-11.80	-		14.00	-	3.30	-	Pass
HT20	MCS0	1	64	5320	-12.24	-		14.00	-	3.30	-	Pass
HT40	MCS0	1	54	5270	-15.38	-		14.00	-	3.30	-	Pass
HT40	MCS0	1	62	5310	-16.54	-		14.00	-	3.30	-	Pass
VHT80	MCS0	1	58	5290	-18.45	-		14.00	-	3.30	-	Pass

Remark: Follow AS 4268 PSD limit.

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	17.23	-	26.60	-	23.36	-	29.36	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.38	-	28.55	-	23.40	-	29.40	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.13	-	27.40	-	23.34	-	29.34	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.13	-	22.90	-	23.58	-	29.58	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.18	-	28.05	-	23.60	-	29.60	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.08	-	23.15	-	23.57	-	29.57	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.56	-	40.50	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.76	-	54.45	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.96	-	58.41	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	76.36	-	82.08	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	76.00	-	81.44	-	23.98	-	30.00	-	23.98	-	----	----

TEST RESULTS DATA
Average Power Table

FCC Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	11.20	-		23.98	-	2.80	-	26.99	Pass
11a	6Mbps	1	116	5580	10.40	-		23.98	-	2.80	-	26.99	Pass
11a	6Mbps	1	140	5700	8.80	-		23.98	-	2.80	-	26.99	Pass
HT20	MCS0	1	100	5500	11.00	-		23.98	-	2.80	-	26.99	Pass
HT20	MCS0	1	116	5580	9.90	-		23.98	-	2.80	-	26.99	Pass
HT20	MCS0	1	140	5700	8.50	-		23.98	-	2.80	-	26.99	Pass
HT40	MCS0	1	102	5510	10.60	-		23.98	-	2.80	-	26.99	Pass
HT40	MCS0	1	110	5550	10.80	-		23.98	-	2.80	-	26.99	Pass
HT40	MCS0	1	134	5670	9.20	-		23.98	-	2.80	-	26.99	Pass
VHT20	MCS0	1	100	5500	10.90	-		23.98	-	2.80	-	26.99	Pass
VHT20	MCS0	1	116	5580	9.80	-		23.98	-	2.80	-	26.99	Pass
VHT20	MCS0	1	140	5700	8.40	-		23.98	-	2.80	-	26.99	Pass
VHT40	MCS0	1	102	5510	10.50	-		23.98	-	2.80	-	26.99	Pass
VHT40	MCS0	1	110	5550	10.70	-		23.98	-	2.80	-	26.99	Pass
VHT40	MCS0	1	134	5670	9.10	-		23.98	-	2.80	-	26.99	Pass
VHT80	MCS0	1	106	5530	8.00	-		23.98	-	2.80	-	26.99	Pass
VHT80	MCS0	1	122	5610	9.60	-		23.98	-	2.80	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	1.46	-		11.00	-	2.80	-	Pass
11a	6Mbps	1	116	5580	1.02	-		11.00	-	2.80	-	Pass
11a	6Mbps	1	140	5700	-1.15	-		11.00	-	2.80	-	Pass
HT20	MCS0	1	100	5500	0.95	-		11.00	-	2.80	-	Pass
HT20	MCS0	1	116	5580	0.43	-		11.00	-	2.80	-	Pass
HT20	MCS0	1	140	5700	-1.79	-		11.00	-	2.80	-	Pass
HT40	MCS0	1	102	5510	-2.06	-		11.00	-	2.80	-	Pass
HT40	MCS0	1	110	5550	-2.23	-		11.00	-	2.80	-	Pass
HT40	MCS0	1	134	5670	-3.85	-		11.00	-	2.80	-	Pass
VHT80	MCS0	1	106	5530	-7.57	-		11.00	-	2.80	-	Pass
VHT80	MCS0	1	122	5610	-5.69	-		11.00	-	2.80	-	Pass

TEST RESULTS DATA
Power Spectral Density

Band III single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/3kHz)			Average PSD Limit (dBm/3kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	100	5500	-14.37	-		14.00	-	2.80	-	Pass
11a	6Mbps	1	116	5580	-15.20	-		14.00	-	2.80	-	Pass
11a	6Mbps	1	140	5700	-15.35	-		14.00	-	2.80	-	Pass
HT20	MCS0	1	100	5500	-13.48	-		14.00	-	2.80	-	Pass
HT20	MCS0	1	116	5580	-14.93	-		14.00	-	2.80	-	Pass
HT20	MCS0	1	140	5700	-16.66	-		14.00	-	2.80	-	Pass
HT40	MCS0	1	102	5510	-16.88	-		14.00	-	2.80	-	Pass
HT40	MCS0	1	110	5550	-17.24	-		14.00	-	2.80	-	Pass
HT40	MCS0	1	134	5670	-18.77	-		14.00	-	2.80	-	Pass
VHT80	MCS0	1	106	5530	-22.22	-		14.00	-	2.80	-	Pass
VHT80	MCS0	1	122	5610	-21.41	-		14.00	-	2.80	-	Pass

Remark: Follow AS 4268 PSD limit.



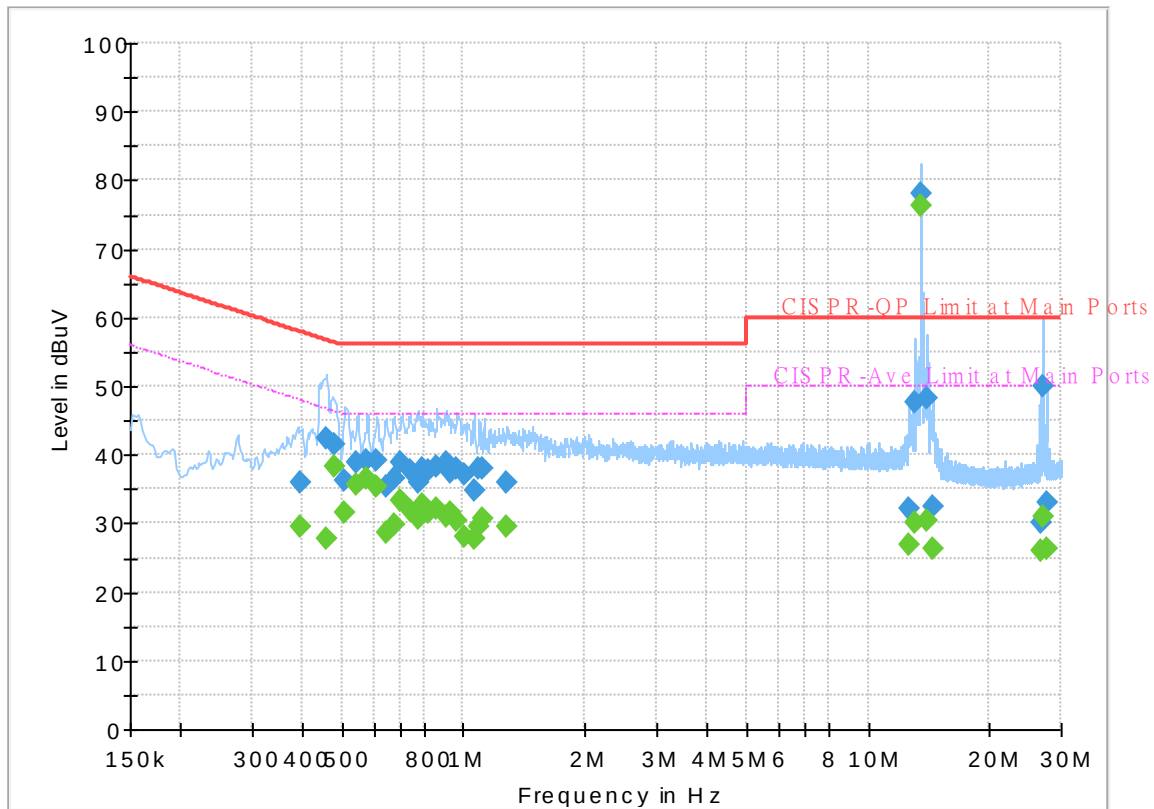
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee and Howard Huang	Temperature :	24~26°C
		Relative Humidity :	40~48%

Original

Report NO : 862115-01
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



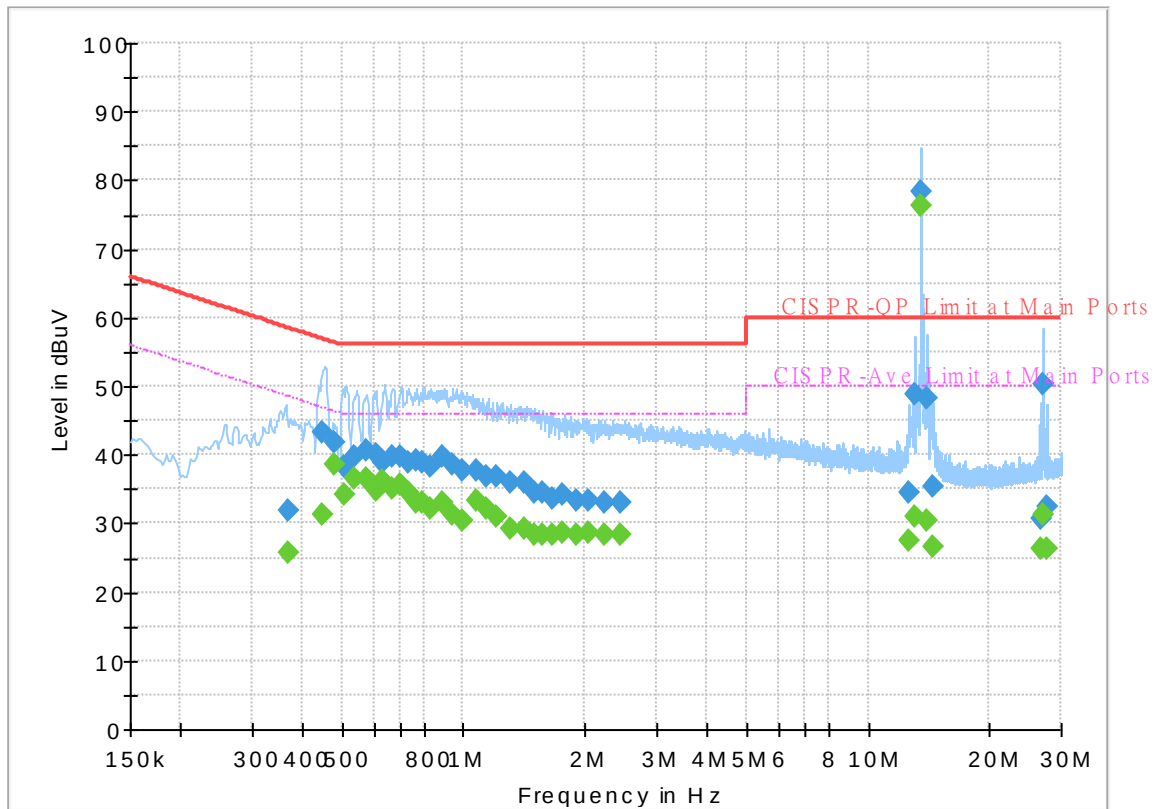
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.393000	---	29.67	48.00	18.33	L1	OFF	19.4
0.393000	35.83	---	58.00	22.17	L1	OFF	19.4
0.457080	---	27.91	46.75	18.84	L1	OFF	19.4
0.457080	42.26	---	56.75	14.49	L1	OFF	19.4
0.479040	---	38.20	46.36	8.16	L1	OFF	19.4
0.479040	41.59	---	56.36	14.77	L1	OFF	19.4
0.508290	---	31.65	46.00	14.35	L1	OFF	19.5
0.508290	36.16	---	56.00	19.84	L1	OFF	19.5
0.543480	---	35.67	46.00	10.33	L1	OFF	19.5
0.543480	38.90	---	56.00	17.10	L1	OFF	19.5
0.573000	---	36.60	46.00	9.40	L1	OFF	19.5
0.573000	39.18	---	56.00	16.82	L1	OFF	19.5
0.606750	---	35.24	46.00	10.76	L1	OFF	19.5
0.606750	39.17	---	56.00	16.83	L1	OFF	19.5
0.644010	---	28.73	46.00	17.27	L1	OFF	19.5
0.644010	35.49	---	56.00	20.51	L1	OFF	19.5
0.675150	---	29.94	46.00	16.06	L1	OFF	19.5
0.675150	36.57	---	56.00	19.43	L1	OFF	19.5
0.702330	---	33.46	46.00	12.54	L1	OFF	19.5
0.702330	38.96	---	56.00	17.04	L1	OFF	19.5
0.736440	---	31.86	46.00	14.14	L1	OFF	19.5

0.736440	37.62	---	56.00	18.38	L1	OFF	19.5
0.774690	---	30.59	46.00	15.41	L1	OFF	19.5
0.774690	36.02	---	56.00	19.98	L1	OFF	19.5
0.792420	---	32.60	46.00	13.40	L1	OFF	19.5
0.792420	38.06	---	56.00	17.94	L1	OFF	19.5
0.818250	---	31.49	46.00	14.51	L1	OFF	19.5
0.818250	37.67	---	56.00	18.33	L1	OFF	19.5
0.855870	---	32.16	46.00	13.84	L1	OFF	19.5
0.855870	38.20	---	56.00	17.80	L1	OFF	19.5
0.904380	---	30.99	46.00	15.01	L1	OFF	19.5
0.904380	38.95	---	56.00	17.05	L1	OFF	19.5
0.928500	---	31.70	46.00	14.30	L1	OFF	19.5
0.928500	37.50	---	56.00	18.50	L1	OFF	19.5
0.963240	---	30.34	46.00	15.66	L1	OFF	19.5
0.963240	38.05	---	56.00	17.95	L1	OFF	19.5
1.009140	---	28.18	46.00	17.82	L1	OFF	19.5
1.009140	37.04	---	56.00	18.96	L1	OFF	19.5
1.068000	---	27.90	46.00	18.10	L1	OFF	19.5
1.068000	34.68	---	56.00	21.32	L1	OFF	19.5
1.090770	---	29.56	46.00	16.44	L1	OFF	19.5
1.090770	37.90	---	56.00	18.10	L1	OFF	19.5
1.119750	---	30.65	46.00	15.35	L1	OFF	19.5
1.119750	38.12	---	56.00	17.88	L1	OFF	19.5
1.275000	---	29.65	46.00	16.35	L1	OFF	19.5
1.275000	35.98	---	56.00	20.02	L1	OFF	19.5
12.628140	---	27.04	50.00	22.96	L1	OFF	20.0
12.628140	32.22	---	60.00	27.78	L1	OFF	20.0
13.107390	---	30.05	50.00	19.95	L1	OFF	20.0
13.107390	47.69	---	60.00	12.31	L1	OFF	20.0
13.560000	---	76.34	50.00	-26.34	L1	OFF	20.0
13.560000	78.14	---	60.00	-18.14	L1	OFF	20.0
14.005500	---	30.41	50.00	19.59	L1	OFF	20.0
14.005500	48.13	---	60.00	11.87	L1	OFF	20.0
14.488620	---	26.27	50.00	23.73	L1	OFF	20.1
14.488620	32.57	---	60.00	27.43	L1	OFF	20.1
26.641500	---	25.99	50.00	24.01	L1	OFF	20.4
26.641500	30.18	---	60.00	29.82	L1	OFF	20.4
27.120000	---	30.86	50.00	19.14	L1	OFF	20.4
27.120000	49.90	---	60.00	10.10	L1	OFF	20.4
27.570840	---	26.20	50.00	23.80	L1	OFF	20.4
27.570840	33.12	---	60.00	26.88	L1	OFF	20.4

Report NO : 862115-01
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final Result

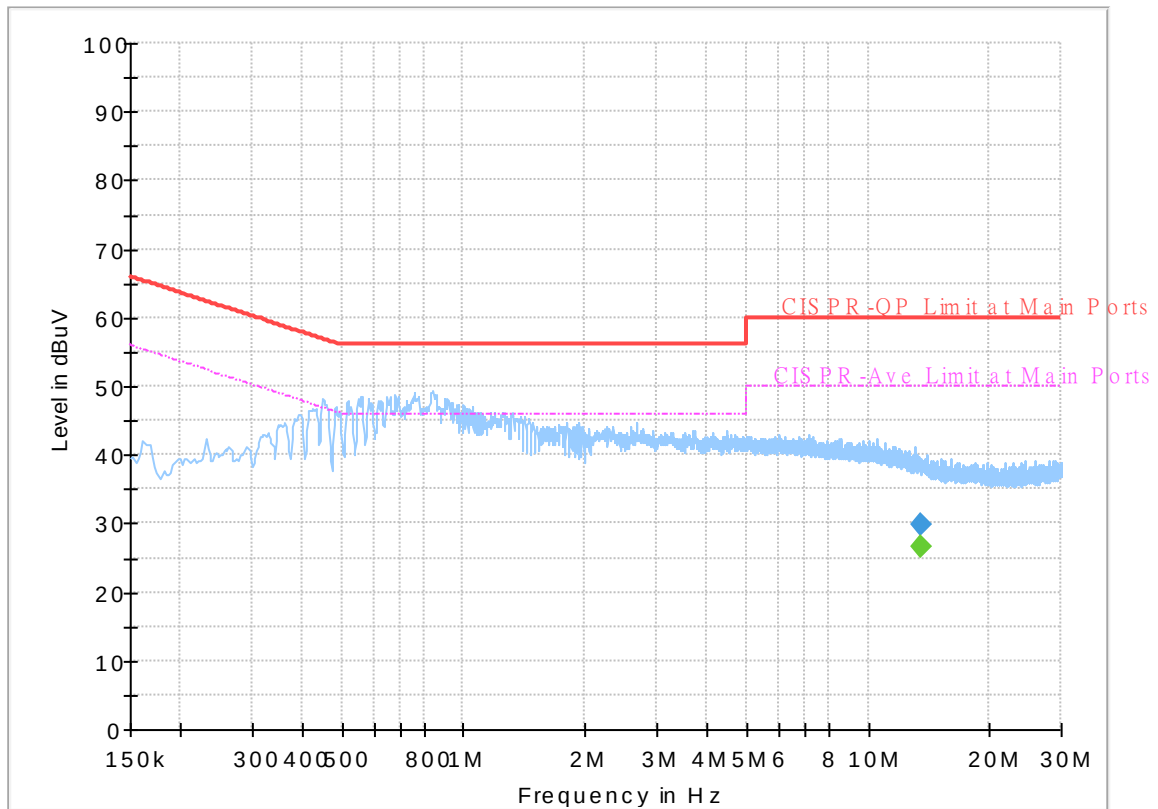
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.368250	---	25.78	48.54	22.76	N	OFF	19.5
0.368250	31.94	---	58.54	26.60	N	OFF	19.5
0.449250	---	31.26	46.89	15.63	N	OFF	19.5
0.449250	43.23	---	56.89	13.66	N	OFF	19.5
0.477870	---	38.49	46.38	7.89	N	OFF	19.5
0.477870	41.82	---	56.38	14.56	N	OFF	19.5
0.508020	---	34.17	46.00	11.83	N	OFF	19.5
0.508020	38.22	---	56.00	17.78	N	OFF	19.5
0.539250	---	36.41	46.00	9.59	N	OFF	19.5
0.539250	39.67	---	56.00	16.33	N	OFF	19.5
0.573000	---	36.60	46.00	9.40	N	OFF	19.5
0.573000	40.54	---	56.00	15.46	N	OFF	19.5
0.605760	---	34.88	46.00	11.12	N	OFF	19.5
0.605760	40.06	---	56.00	15.94	N	OFF	19.5
0.633750	---	36.27	46.00	9.73	N	OFF	19.5
0.633750	38.75	---	56.00	17.25	N	OFF	19.5
0.668490	---	35.16	46.00	10.84	N	OFF	19.5
0.668490	39.64	---	56.00	16.36	N	OFF	19.5
0.696750	---	35.81	46.00	10.19	N	OFF	19.5
0.696750	39.67	---	56.00	16.33	N	OFF	19.5
0.728250	---	34.42	46.00	11.58	N	OFF	19.5

0.728250	38.76	---	56.00	17.24	N	OFF	19.5
0.762900	---	32.97	46.00	13.03	N	OFF	19.5
0.762900	39.07	---	56.00	16.93	N	OFF	19.5
0.795390	---	33.14	46.00	12.86	N	OFF	19.5
0.795390	38.89	---	56.00	17.11	N	OFF	19.5
0.827250	---	32.20	46.00	13.80	N	OFF	19.6
0.827250	38.32	---	56.00	17.68	N	OFF	19.6
0.888810	---	33.18	46.00	12.82	N	OFF	19.6
0.888810	39.79	---	56.00	16.21	N	OFF	19.6
0.944250	---	31.41	46.00	14.59	N	OFF	19.6
0.944250	38.66	---	56.00	17.34	N	OFF	19.6
0.993750	---	30.54	46.00	15.46	N	OFF	19.6
0.993750	37.61	---	56.00	18.39	N	OFF	19.6
1.079250	---	33.20	46.00	12.80	N	OFF	19.6
1.079250	37.82	---	56.00	18.18	N	OFF	19.6
1.144500	---	32.07	46.00	13.93	N	OFF	19.6
1.144500	36.87	---	56.00	19.13	N	OFF	19.6
1.211370	---	30.93	46.00	15.07	N	OFF	19.6
1.211370	36.90	---	56.00	19.10	N	OFF	19.6
1.306320	---	29.17	46.00	16.83	N	OFF	19.6
1.306320	36.04	---	56.00	19.96	N	OFF	19.6
1.410000	---	29.34	46.00	16.66	N	OFF	19.6
1.410000	35.96	---	56.00	20.04	N	OFF	19.6
1.500360	---	28.48	46.00	17.52	N	OFF	19.6
1.500360	34.65	---	56.00	21.35	N	OFF	19.6
1.569750	---	28.37	46.00	17.63	N	OFF	19.6
1.569750	34.53	---	56.00	21.47	N	OFF	19.6
1.668750	---	28.25	46.00	17.75	N	OFF	19.6
1.668750	33.61	---	56.00	22.39	N	OFF	19.6
1.754250	---	28.78	46.00	17.22	N	OFF	19.6
1.754250	34.26	---	56.00	21.74	N	OFF	19.6
1.909500	---	28.39	46.00	17.61	N	OFF	19.6
1.909500	33.22	---	56.00	22.78	N	OFF	19.6
2.042250	---	28.55	46.00	17.45	N	OFF	19.7
2.042250	33.39	---	56.00	22.61	N	OFF	19.7
2.230980	---	28.39	46.00	17.61	N	OFF	19.7
2.230980	32.98	---	56.00	23.02	N	OFF	19.7
2.442750	---	28.32	46.00	17.68	N	OFF	19.7
2.442750	33.00	---	56.00	23.00	N	OFF	19.7
12.655500	---	27.37	50.00	22.63	N	OFF	20.1
12.655500	34.46	---	60.00	25.54	N	OFF	20.1
13.116210	---	30.98	50.00	19.02	N	OFF	20.1
13.116210	48.79	---	60.00	11.21	N	OFF	20.1
13.560000	---	76.43	50.00	-26.43	N	OFF	20.2
13.560000	78.28	---	60.00	-18.28	N	OFF	20.2
13.998750	---	30.45	50.00	19.55	N	OFF	20.2
13.998750	48.10	---	60.00	11.90	N	OFF	20.2
14.468280	---	26.57	50.00	23.43	N	OFF	20.2
14.468280	35.52	---	60.00	24.48	N	OFF	20.2
26.647530	---	26.33	50.00	23.67	N	OFF	20.6
26.647530	30.78	---	60.00	29.22	N	OFF	20.6
27.120000	---	31.38	50.00	18.62	N	OFF	20.6
27.120000	50.20	---	60.00	9.80	N	OFF	20.6
27.565080	---	26.42	50.00	23.58	N	OFF	20.7
27.565080	32.53	---	60.00	27.47	N	OFF	20.7

Terminal

Report NO : 862115-01
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum

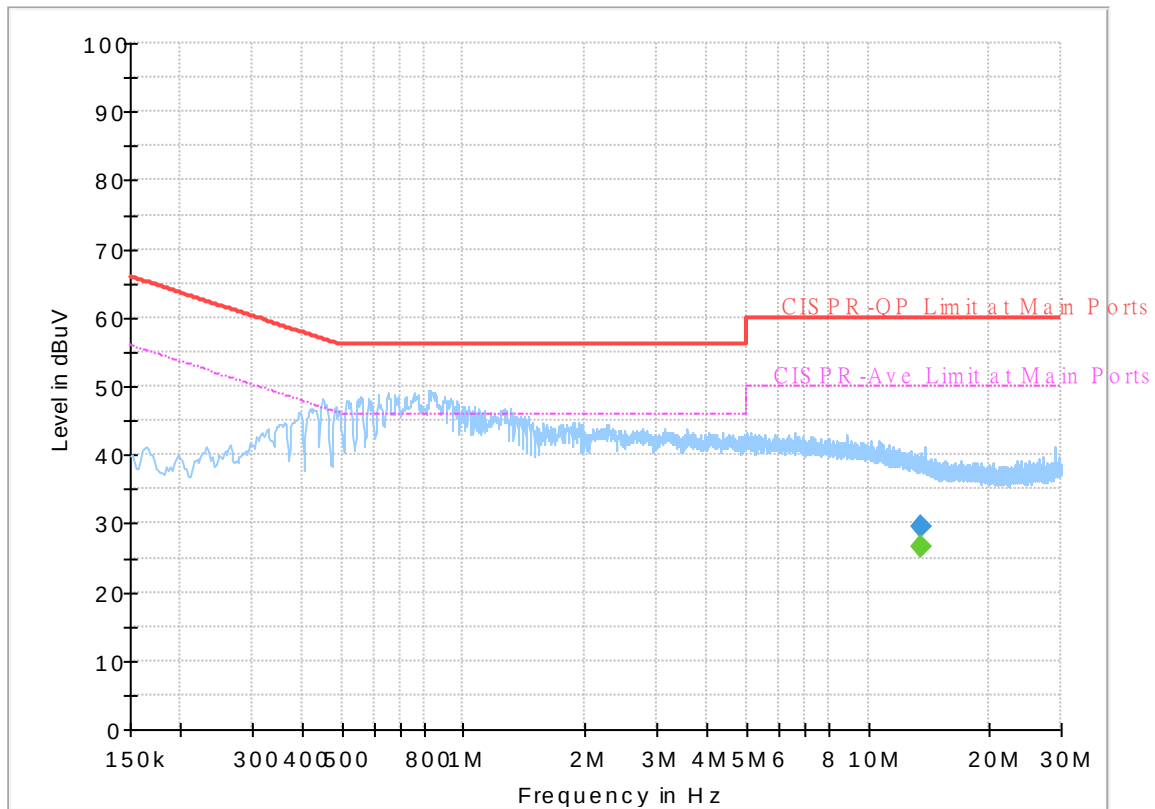


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
13.560000	---	26.48	50.00	23.52	L1	OFF	20.1
13.560000	29.70	---	60.00	30.30	L1	OFF	20.1

Report NO : 862115-01
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)
13.560000	---	26.48	50.00	23.52	N	OFF	20.2
13.560000	29.59	---	60.00	30.41	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, and Ken Wu	Temperature :	23~25°C
		Relative Humidity :	53~60%

<For SKU 1>

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		5135.45	46.78	-27.22	74	36.15	34.37	11.55	35.29	393	178	P	H
		5128.45	39.91	-14.09	54	29.29	34.37	11.54	35.29	393	178	A	H
	*	5310	100.24	-	-	89.09	34.63	11.72	35.2	393	178	P	H
	*	5310	93.86	-	-	82.71	34.63	11.72	35.2	393	178	A	H
		5350.8	54.92	-19.08	74	43.84	34.5	11.76	35.18	393	178	P	H
		5350.56	47.79	-6.21	54	36.71	34.5	11.76	35.18	393	178	A	H
		5101.85	48.84	-25.16	74	38.32	34.3	11.52	35.3	103	112	P	V
		5138.6	39.94	-14.06	54	29.31	34.37	11.55	35.29	103	112	A	V
	*	5310	100.5	-	-	89.35	34.63	11.72	35.2	103	112	P	V
	*	5310	93.69	-	-	82.54	34.63	11.72	35.2	103	112	A	V
		5351.28	59.18	-14.82	74	48.1	34.5	11.76	35.18	103	112	P	V
		5351.04	50.59	-3.41	54	39.51	34.5	11.76	35.18	103	112	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	42.08	-31.92	74	45.52	37.6	17.83	58.87	100	0	P	H
		15930	45.23	-28.77	74	39.89	40.2	21.85	56.71	100	0	P	H
													H
													H
		10620	40.9	-33.1	74	44.34	37.6	17.83	58.87	100	0	P	V
		15930	44.33	-29.67	74	38.99	40.2	21.85	56.71	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 802.11n HT40 (LF @ 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 LF		30.81	22.32	-17.68	40	27.27	24.12	0.94	30.01	-	-	P	H
		132.6	25.91	-17.59	43.5	36.46	17.48	1.93	29.96	-	-	P	H
		151.23	23.77	-19.73	43.5	34.49	17.17	2.06	29.95	-	-	P	H
		777.4	34.09	-11.91	46	31.09	27.74	4.76	29.5	-	-	P	H
		798.4	35.18	-10.82	46	32.05	27.74	4.84	29.45	100	0	P	H
		825	32.91	-13.09	46	29.62	27.73	4.9	29.34	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	31.02	-8.98	40	35.78	24.32	0.93	30.01	100	0	P	V
		40.26	26.68	-13.32	40	36.61	19	1.07	30	-	-	P	V
		51.87	26.87	-13.13	40	42.17	13.47	1.22	29.99	-	-	P	V
		632.5	31.94	-14.06	46	31.4	26.05	4.27	29.78	-	-	P	V
		774.6	32.16	-13.84	46	29.28	27.65	4.74	29.51	-	-	P	V
		955.9	32.26	-13.74	46	25.15	30.5	5.28	28.67	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



<For SKU 2>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.76	55.4	-18.6	74	44.72	34.4	11.56	35.28	320	159	P	H
		5149.5	46.54	-7.46	54	35.86	34.4	11.56	35.28	320	159	A	H
	*	5180	104.1	-	-	93.32	34.47	11.58	35.27	320	159	P	H
	*	5180	96.37	-	-	85.59	34.47	11.58	35.27	320	159	A	H
													H
													H
		5149.24	61.06	-12.94	74	50.38	34.4	11.56	35.28	100	181	P	V
		5150	48.83	-5.17	54	38.15	34.4	11.56	35.28	100	181	A	V
	*	5180	105.42	-	-	94.64	34.47	11.58	35.27	100	181	P	V
	*	5180	97.92	-	-	87.14	34.47	11.58	35.27	100	181	A	V
													V
													V
802.11a CH 44 5220MHz		5150	51.14	-22.86	74	40.46	34.4	11.56	35.28	100	294	P	H
		5149.24	41.83	-12.17	54	31.15	34.4	11.56	35.28	100	294	A	H
	*	5220	108.75	-	-	97.88	34.5	11.62	35.25	100	294	P	H
	*	5220	101.29	-	-	90.42	34.5	11.62	35.25	100	294	A	H
		5411.56	47.9	-26.1	74	36.54	34.7	11.82	35.16	100	294	P	H
		5427.24	40.18	-13.82	54	28.78	34.7	11.84	35.14	100	294	A	H
		5149.5	50.19	-23.81	74	39.51	34.4	11.56	35.28	102	99	P	V
		5150	43.36	-10.64	54	32.68	34.4	11.56	35.28	102	99	A	V
	*	5220	112.56	-	-	101.69	34.5	11.62	35.25	102	99	P	V
	*	5220	104.88	-	-	94.01	34.5	11.62	35.25	102	99	A	V
		5405.4	49.74	-24.26	74	38.38	34.7	11.82	35.16	102	99	P	V
		5405.4	41.51	-12.49	54	30.15	34.7	11.82	35.16	102	99	A	V



802.11a CH 48 5240MHz		5104.26	48.94	-25.06	74	38.42	34.3	11.52	35.3	318	181	P	H
		5126.62	40.58	-13.42	54	29.96	34.37	11.54	35.29	318	181	A	H
	*	5240	108.8	-	-	97.9	34.5	11.64	35.24	318	181	P	H
	*	5240	101.3	-	-	90.4	34.5	11.64	35.24	318	181	A	H
		5439.56	48.7	-25.3	74	37.28	34.7	11.86	35.14	318	181	P	H
		5426.68	40.22	-13.78	54	28.82	34.7	11.84	35.14	318	181	A	H
		5063.7	50.32	-23.68	74	40	34.17	11.48	35.33	100	99	P	V
		5134.68	41.06	-12.94	54	30.44	34.37	11.54	35.29	100	99	A	V
	*	5240	110.37	-	-	99.47	34.5	11.64	35.24	100	99	P	V
	*	5240	103.1	-	-	92.2	34.5	11.64	35.24	100	99	A	V
		5443.48	48.23	-25.77	74	36.81	34.7	11.86	35.14	100	99	P	V
		5426.4	41.36	-12.64	54	29.96	34.7	11.84	35.14	100	99	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	42.75	-25.45	68.2	46.68	37.47	17.63	59.03	100	0	P	H
		15540	45.68	-28.32	74	40.71	40.1	21.64	56.77	100	0	P	H
													H
													H
		10360	42.98	-25.22	68.2	46.91	37.47	17.63	59.03	100	0	P	V
		15540	45.26	-28.74	74	40.29	40.1	21.64	56.77	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	43.71	-24.49	68.2	47.45	37.53	17.7	58.97	100	0	P	H
		15660	45.94	-28.06	74	40.53	40.45	21.71	56.75	100	0	P	H
													H
													H
		10440	43.54	-24.66	68.2	47.28	37.53	17.7	58.97	100	0	P	V
		15660	46.2	-27.8	74	40.79	40.45	21.71	56.75	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.63	-21.57	68.2	50.26	37.58	17.73	58.94	100	0	P	H
		15720	48.61	-25.39	74	43.04	40.58	21.73	56.74	100	0	P	H
													H
													H
		10480	45.43	-22.77	68.2	49.06	37.58	17.73	58.94	100	0	P	V
		15720	48	-26	74	42.43	40.58	21.73	56.74	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5148.72	57.44	-16.56	74	46.76	34.4	11.56	35.28	320	159	P	H
		5150	47.01	-6.99	54	36.33	34.4	11.56	35.28	320	159	A	H
	*	5180	103.08	-	-	92.3	34.47	11.58	35.27	320	159	P	H
	*	5180	95.48	-	-	84.7	34.47	11.58	35.27	320	159	A	H
													H
													H
		5148.46	57.72	-16.28	74	47.04	34.4	11.56	35.28	100	181	P	V
		5150	48.75	-5.25	54	38.07	34.4	11.56	35.28	100	181	A	V
	*	5180	104.48	-	-	93.7	34.47	11.58	35.27	100	181	P	V
	*	5180	97.28	-	-	86.5	34.47	11.58	35.27	100	181	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5147.68	50.23	-23.77	74	39.55	34.4	11.56	35.28	100	294	P	H
		5149.5	42.46	-11.54	54	31.78	34.4	11.56	35.28	100	294	A	H
	*	5220	108.31	-	-	97.44	34.5	11.62	35.25	100	294	P	H
	*	5220	100.73	-	-	89.86	34.5	11.62	35.25	100	294	A	H
		5405.12	48.85	-25.15	74	37.49	34.7	11.82	35.16	100	294	P	H
		5404.56	40.31	-13.69	54	28.95	34.7	11.82	35.16	100	294	A	H
		5145.08	51.89	-22.11	74	41.22	34.4	11.55	35.28	102	99	P	V
		5150	43.82	-10.18	54	33.14	34.4	11.56	35.28	102	99	A	V
	*	5220	111.58	-	-	100.71	34.5	11.62	35.25	102	99	P	V
	*	5220	104.6	-	-	93.73	34.5	11.62	35.25	102	99	A	V
		5362	48.56	-25.44	74	37.4	34.57	11.77	35.18	102	99	P	V
		5405.12	41.98	-12.02	54	30.62	34.7	11.82	35.16	102	99	A	V



802.11n HT20 CH 48 5240MHz		5140.66	48.98	-25.02	74	38.32	34.4	11.55	35.29	318	181	P	H
		5113.62	40.63	-13.37	54	30.07	34.33	11.53	35.3	318	181	A	H
	*	5240	109.5	-	-	98.6	34.5	11.64	35.24	318	181	P	H
	*	5240	101.81	-	-	90.91	34.5	11.64	35.24	318	181	A	H
		5387.48	48.04	-25.96	74	36.78	34.63	11.8	35.17	318	181	P	H
		5426.12	40.23	-13.77	54	28.83	34.7	11.84	35.14	318	181	A	H
		5129.22	49.43	-24.57	74	38.81	34.37	11.54	35.29	100	99	P	V
		5149.76	41.11	-12.89	54	30.43	34.4	11.56	35.28	100	99	A	V
	*	5240	110.98	-	-	100.08	34.5	11.64	35.24	100	99	P	V
	*	5240	103.07	-	-	92.17	34.5	11.64	35.24	100	99	A	V
		5355.56	48.93	-25.07	74	37.85	34.5	11.76	35.18	100	99	P	V
		5426.4	41.11	-12.89	54	29.71	34.7	11.84	35.14	100	99	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 36 5180MHz		10360	43.37	-24.83	68.2	47.3	37.47	17.63	59.03	100	0	P	H
		15540	45.14	-28.86	74	40.17	40.1	21.64	56.77	100	0	P	H
													H
													H
		10360	43.45	-24.75	68.2	47.38	37.47	17.63	59.03	100	0	P	V
		15540	45.36	-28.64	74	40.39	40.1	21.64	56.77	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	45.07	-23.13	68.2	48.81	37.53	17.7	58.97	100	0	P	H
		15660	47.57	-26.43	74	42.16	40.45	21.71	56.75	100	0	P	H
													H
													H
		10440	45.24	-22.96	68.2	48.98	37.53	17.7	58.97	100	0	P	V
		15660	46.71	-27.29	74	41.3	40.45	21.71	56.75	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	46.78	-21.42	68.2	50.41	37.58	17.73	58.94	100	0	P	H
		15720	48.19	-25.81	74	42.62	40.58	21.73	56.74	100	0	P	H
													H
													H
		10480	45.55	-22.65	68.2	49.18	37.58	17.73	58.94	100	0	P	V
		15720	47.61	-26.39	74	42.04	40.58	21.73	56.74	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5147.16	56.7	-17.3	74	46.02	34.4	11.56	35.28	299	172	P	H
		5149.5	48.69	-5.31	54	38.01	34.4	11.56	35.28	299	172	A	H
	*	5190	100.21	-	-	89.42	34.47	11.59	35.27	299	172	P	H
	*	5190	92.39	-	-	81.6	34.47	11.59	35.27	299	172	A	H
		5459.44	47.14	-26.86	74	35.69	34.7	11.88	35.13	299	172	P	H
		5456.36	40.57	-13.43	54	29.13	34.7	11.87	35.13	299	172	A	H
		5148.98	59.32	-14.68	74	48.64	34.4	11.56	35.28	116	97	P	V
		5150	50.85	-3.15	54	40.17	34.4	11.56	35.28	116	97	A	V
	*	5190	101.82	-	-	91.03	34.47	11.59	35.27	116	97	P	V
	*	5190	95.12	-	-	84.33	34.47	11.59	35.27	116	97	A	V
		5380.2	48.39	-25.61	74	37.14	34.63	11.79	35.17	116	97	P	V
		5437.32	40.65	-13.35	54	29.24	34.7	11.85	35.14	116	97	A	V
802.11n HT40 CH 46 5230MHz		5131.3	49.9	-24.1	74	39.28	34.37	11.54	35.29	300	104	P	H
		5148.72	43.8	-10.2	54	33.12	34.4	11.56	35.28	300	104	A	H
	*	5230	102.11	-	-	91.22	34.5	11.63	35.24	300	104	P	H
	*	5230	94.05	-	-	83.16	34.5	11.63	35.24	300	104	A	H
		5381.6	48.03	-25.97	74	36.78	34.63	11.79	35.17	300	104	P	H
		5350.8	41.46	-12.54	54	30.38	34.5	11.76	35.18	300	104	A	H
		5146.64	55.37	-18.63	74	44.7	34.4	11.55	35.28	101	99	P	V
		5142.22	48.15	-5.85	54	37.49	34.4	11.55	35.29	101	99	A	V
	*	5230	106.16	-	-	95.27	34.5	11.63	35.24	101	99	P	V
	*	5230	98.39	-	-	87.5	34.5	11.63	35.24	101	99	A	V
		5366.2	49.76	-24.24	74	38.6	34.57	11.77	35.18	101	99	P	V
		5350	42.71	-11.29	54	31.63	34.5	11.76	35.18	101	99	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	45.76	-22.44	68.2	49.65	37.48	17.65	59.02	100	0	P	H
		15570	49.67	-24.33	74	44.57	40.2	21.67	56.77	100	0	P	H
													H
													H
		10380	45.13	-23.07	68.2	49.02	37.48	17.65	59.02	100	0	P	V
		15570	46.74	-27.26	74	41.64	40.2	21.67	56.77	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	46.4	-21.8	68.2	50.1	37.55	17.71	58.96	100	0	P	H
		15690	46.64	-27.36	74	41.12	40.55	21.72	56.75	100	0	P	H
													H
													H
		10460	45.34	-22.86	68.2	49.04	37.55	17.71	58.96	100	0	P	V
		15690	48.11	-25.89	74	42.59	40.55	21.72	56.75	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 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		5149.5	54.21	-19.79	74	43.33	34.6	11.56	35.28	110	124	P	H
		5149.76	49.32	-4.68	54	38.44	34.6	11.56	35.28	110	124	A	H
	*	5210	95.92	-	-	84.69	34.87	11.61	35.25	110	124	P	H
	*	5210	88.92	-	-	77.69	34.87	11.61	35.25	110	124	A	H
		5428.64	48.55	-25.45	74	36.62	35.23	11.84	35.14	110	124	P	H
		5370.96	42.71	-11.29	54	30.88	35.23	11.78	35.18	110	124	A	H
		5147.94	54.62	-19.38	74	43.74	34.6	11.56	35.28	104	342	P	V
		5149.76	49.87	-4.13	54	38.99	34.6	11.56	35.28	104	342	A	V
	*	5210	97.72	-	-	86.49	34.87	11.61	35.25	104	342	P	V
	*	5210	91.33	-	-	80.1	34.87	11.61	35.25	104	342	A	V
		5423.32	48.71	-25.29	74	36.76	35.27	11.84	35.16	104	342	P	V
		5357.52	44.21	-9.79	54	32.42	35.2	11.77	35.18	104	342	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	41.85	-26.35	68.2	45.66	37.5	17.68	58.99	100	0	P	H
		15630	43.12	-30.88	74	38.46	39.73	21.69	56.76	100	0	P	H
													H
													H
		10420	41.63	-26.57	68.2	45.44	37.5	17.68	58.99	100	0	P	V
		15630	43.45	-30.55	74	38.79	39.73	21.69	56.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5103.25	48.28	-25.72	74	37.76	34.3	11.52	35.3	319	178	P	H
		5087.15	40.39	-13.61	54	29.97	34.23	11.5	35.31	319	178	A	H
	*	5260	110.7	-	-	99.7	34.57	11.66	35.23	319	178	P	H
	*	5260	102.6	-	-	91.6	34.57	11.66	35.23	319	178	A	H
		5449.2	48.62	-25.38	74	37.19	34.7	11.87	35.14	319	178	P	H
		5458.32	40.06	-13.94	54	28.61	34.7	11.88	35.13	319	178	A	H
		5105.35	48.82	-25.18	74	38.3	34.3	11.52	35.3	100	98	P	V
		5150	40.71	-13.29	54	30.03	34.4	11.56	35.28	100	98	A	V
	*	5260	112.75	-	-	101.75	34.57	11.66	35.23	100	98	P	V
	*	5260	104.06	-	-	93.06	34.57	11.66	35.23	100	98	A	V
		5361.12	49.5	-24.5	74	38.34	34.57	11.77	35.18	100	98	P	V
		5447.04	41.33	-12.67	54	29.91	34.7	11.86	35.14	100	98	A	V
802.11a CH 60 5300MHz		5070.7	50.53	-23.47	74	40.18	34.17	11.49	35.31	105	288	P	H
		5122.5	40.82	-13.18	54	30.25	34.33	11.53	35.29	105	288	A	H
	*	5300	110.07	-	-	98.87	34.7	11.7	35.2	105	288	P	H
	*	5300	103.11	-	-	91.91	34.7	11.7	35.2	105	288	A	H
		5351.04	55.7	-18.3	74	44.62	34.5	11.76	35.18	105	288	P	H
		5350.08	47.33	-6.67	54	36.25	34.5	11.76	35.18	105	288	A	H
		5083.65	49.2	-24.8	74	38.78	34.23	11.5	35.31	100	100	P	V
		5110.6	40.96	-13.04	54	30.41	34.33	11.52	35.3	100	100	A	V
	*	5300	112.85	-	-	101.65	34.7	11.7	35.2	100	100	P	V
	*	5300	105.3	-	-	94.1	34.7	11.7	35.2	100	100	A	V
		5355.36	54.44	-19.56	74	43.36	34.5	11.76	35.18	100	100	P	V
		5350.08	49.24	-4.76	54	38.16	34.5	11.76	35.18	100	100	A	V



802.11a CH 64 5320MHz	*	5320	105.79	-	-	94.63	34.63	11.73	35.2	301	158	P	H
	*	5320	98.16	-	-	87	34.63	11.73	35.2	301	158	A	H
		5352	54.02	-19.98	74	42.94	34.5	11.76	35.18	301	158	P	H
		5350.72	46.55	-7.45	54	35.47	34.5	11.76	35.18	301	158	A	H
													H
													H
	*	5320	108.28	-	-	97.12	34.63	11.73	35.2	105	98	P	V
	*	5320	100.37	-	-	89.21	34.63	11.73	35.2	105	98	A	V
		5351.2	58.35	-15.65	74	47.27	34.5	11.76	35.18	105	98	P	V
		5350.08	50.88	-3.12	54	39.8	34.5	11.76	35.18	105	98	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.58	-21.62	68.2	50.15	37.6	17.75	58.92	100	0	P	H
		15780	47.96	-26.04	74	42.41	40.53	21.76	56.74	100	0	P	H
													H
													H
		10520	44.97	-23.23	68.2	48.54	37.6	17.75	58.92	100	0	P	V
		15780	48.66	-25.34	74	43.11	40.53	21.76	56.74	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.23	-26.77	74	50.7	37.6	17.81	58.88	100	0	P	H
		15900	47.53	-26.47	74	41.62	40.8	21.83	56.72	100	0	P	H
													H
													H
		10600	45.95	-28.05	74	49.42	37.6	17.81	58.88	100	0	P	V
		15900	49.38	-24.62	74	43.47	40.8	21.83	56.72	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	45.67	-28.33	74	49.06	37.63	17.84	58.86	100	0	P	H
		15960	45.37	-28.63	74	39.42	40.8	21.86	56.71	100	0	P	H
													H
													H
		10640	43.98	-30.02	74	47.37	37.63	17.84	58.86	100	0	P	V
		15960	45.83	-28.17	74	39.88	40.8	21.86	56.71	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5114.1	49.42	-24.58	74	38.86	34.33	11.53	35.3	319	178	P	H
		5149.45	40.45	-13.55	54	29.77	34.4	11.56	35.28	319	178	A	H
	*	5260	110.08	-	-	99.08	34.57	11.66	35.23	319	178	P	H
	*	5260	102.4	-	-	91.4	34.57	11.66	35.23	319	178	A	H
		5384.16	49.3	-24.7	74	38.05	34.63	11.79	35.17	319	178	P	H
		5446.56	40.01	-13.99	54	28.59	34.7	11.86	35.14	319	178	A	H
		5114.45	48.56	-25.44	74	38	34.33	11.53	35.3	100	98	P	V
		5136.15	40.86	-13.14	54	30.23	34.37	11.55	35.29	100	98	A	V
	*	5260	111.24	-	-	100.24	34.57	11.66	35.23	100	98	P	V
	*	5260	104.01	-	-	93.01	34.57	11.66	35.23	100	98	A	V
		5419.2	48.79	-25.21	74	37.42	34.7	11.83	35.16	100	98	P	V
		5446.08	41.41	-12.59	54	29.99	34.7	11.86	35.14	100	98	A	V
802.11n HT20 CH 60 5300MHz		5080.15	48.15	-25.85	74	37.73	34.23	11.5	35.31	100	115	P	H
		5137.9	40.54	-13.46	54	29.91	34.37	11.55	35.29	100	115	A	H
	*	5300	110.24	-	-	99.04	34.7	11.7	35.2	100	115	P	H
	*	5300	102.84	-	-	91.64	34.7	11.7	35.2	100	115	A	H
		5351.04	53.35	-20.65	74	42.27	34.5	11.76	35.18	100	115	P	H
		5350.08	46.48	-7.52	54	35.4	34.5	11.76	35.18	100	115	A	H
		5105.35	49.56	-24.44	74	39.04	34.3	11.52	35.3	100	100	P	V
		5112	40.87	-13.13	54	30.31	34.33	11.53	35.3	100	100	A	V
	*	5300	111.13	-	-	99.93	34.7	11.7	35.2	100	100	P	V
	*	5300	104.02	-	-	92.82	34.7	11.7	35.2	100	100	A	V
		5353.2	54.52	-19.48	74	43.44	34.5	11.76	35.18	100	100	P	V
		5350.08	48.78	-5.22	54	37.7	34.5	11.76	35.18	100	100	A	V



802.11n HT20 CH 64 5320MHz	*	5320	106.99	-	-	95.83	34.63	11.73	35.2	100	114	P	H
	*	5320	99.99	-	-	88.83	34.63	11.73	35.2	100	114	A	H
		5353.28	55.5	-18.5	74	44.42	34.5	11.76	35.18	100	114	P	H
		5350.24	49.4	-4.6	54	38.32	34.5	11.76	35.18	100	114	A	H
													H
													H
	*	5320	107.79	-	-	96.63	34.63	11.73	35.2	100	100	P	V
	*	5320	100.88	-	-	89.72	34.63	11.73	35.2	100	100	A	V
		5350.24	58.83	-15.17	74	47.75	34.5	11.76	35.18	100	100	P	V
		5350.72	50.75	-3.25	54	39.67	34.5	11.76	35.18	100	100	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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	47.49	-20.71	68.2	51.06	37.6	17.75	58.92	100	0	P	H
		15780	48.57	-25.43	74	43.02	40.53	21.76	56.74	100	0	P	H
													H
													H
		10520	45.23	-22.97	68.2	48.8	37.6	17.75	58.92	100	0	P	V
		15780	48.7	-25.3	74	43.15	40.53	21.76	56.74	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	47.46	-26.54	74	50.93	37.6	17.81	58.88	100	0	P	H
		15900	47.97	-26.03	74	42.06	40.8	21.83	56.72	100	0	P	H
													H
													H
		10600	45.76	-28.24	74	49.23	37.6	17.81	58.88	100	0	P	V
		15900	49.2	-24.8	74	43.29	40.8	21.83	56.72	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	48.38	-25.62	74	51.77	37.63	17.84	58.86	100	0	P	H
		15960	46.58	-27.42	74	40.63	40.8	21.86	56.71	100	0	P	H
													H
													H
		10640	46.83	-27.17	74	50.22	37.63	17.84	58.86	100	0	P	V
		15960	47.08	-26.92	74	41.13	40.8	21.86	56.71	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5144.55	49.35	-24.65	74	38.68	34.4	11.55	35.28	100	115	P	H
		5147.7	41.78	-12.22	54	31.1	34.4	11.56	35.28	100	115	A	H
	*	5270	104.52	-	-	93.51	34.57	11.67	35.23	100	115	P	H
	*	5270	97.74	-	-	86.73	34.57	11.67	35.23	100	115	A	H
		5356.8	54.19	-19.81	74	43.11	34.5	11.76	35.18	100	115	P	H
		5353.2	47.11	-6.89	54	36.03	34.5	11.76	35.18	100	115	A	H
		5143.5	50.1	-23.9	74	39.44	34.4	11.55	35.29	100	99	P	V
		5147.7	42.27	-11.73	54	31.59	34.4	11.56	35.28	100	99	A	V
	*	5270	106.11	-	-	95.1	34.57	11.67	35.23	100	99	P	V
	*	5270	99.05	-	-	88.04	34.57	11.67	35.23	100	99	A	V
		5352.96	55.44	-18.56	74	44.36	34.5	11.76	35.18	100	99	P	V
		5350.8	48.58	-5.42	54	37.5	34.5	11.76	35.18	100	99	A	V
802.11n HT40 CH 62 5310MHz		5130.2	49.12	-24.88	74	38.5	34.37	11.54	35.29	100	130	P	H
		5137.2	41.17	-12.83	54	30.54	34.37	11.55	35.29	100	130	A	H
	*	5310	101.25	-	-	90.1	34.63	11.72	35.2	100	130	P	H
	*	5310	94.23	-	-	83.08	34.63	11.72	35.2	100	130	A	H
		5354.16	56.24	-17.76	74	45.16	34.5	11.76	35.18	100	130	P	H
		5350.32	49.25	-4.75	54	38.17	34.5	11.76	35.18	100	130	A	H
		5142.1	49.21	-24.79	74	38.55	34.4	11.55	35.29	100	99	P	V
		5141.75	41.42	-12.58	54	30.76	34.4	11.55	35.29	100	99	A	V
	*	5310	102.75	-	-	91.6	34.63	11.72	35.2	100	99	P	V
	*	5310	95.74	-	-	84.59	34.63	11.72	35.2	100	99	A	V
		5352.96	61.43	-12.57	74	50.35	34.5	11.76	35.18	100	99	P	V
		5350.32	51.95	-2.05	54	40.87	34.5	11.76	35.18	100	99	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	47.27	-20.93	68.2	50.82	37.6	17.76	58.91	100	0	P	H
		15810	46.92	-27.08	74	41.37	40.5	21.78	56.73	100	0	P	H
													H
													H
		10540	45.51	-22.69	68.2	49.06	37.6	17.76	58.91	100	0	P	V
		15810	48.81	-25.19	74	43.26	40.5	21.78	56.73	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	48.45	-25.55	74	51.87	37.62	17.83	58.87	100	0	P	H
		15930	47.54	-26.46	74	41.6	40.8	21.85	56.71	100	0	P	H
													H
													H
		10620	47.32	-26.68	74	50.74	37.62	17.83	58.87	100	0	P	V
		15930	48.41	-25.59	74	42.47	40.8	21.85	56.71	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac 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		5098.35	48.36	-25.64	74	37.75	34.4	11.51	35.3	100	111	P	H
		5133.35	41.96	-12.04	54	31.18	34.53	11.54	35.29	100	111	A	H
	*	5290	94.09	-	-	82.55	35.07	11.69	35.22	100	111	P	H
	*	5290	87.91	-	-	76.37	35.07	11.69	35.22	100	111	A	H
		5353.68	51.68	-22.32	74	39.9	35.2	11.76	35.18	100	111	P	H
		5359.68	46.08	-7.92	54	34.29	35.2	11.77	35.18	100	111	A	H
		5051.1	47.61	-26.39	74	37.17	34.3	11.47	35.33	104	121	P	V
		5128.1	41.91	-12.09	54	31.13	34.53	11.54	35.29	104	121	A	V
	*	5290	95.85	-	-	84.31	35.07	11.69	35.22	104	121	P	V
	*	5290	89.88	-	-	78.34	35.07	11.69	35.22	104	121	A	V
		5352.24	53.52	-20.48	74	41.74	35.2	11.76	35.18	104	121	P	V
		5351.28	48.59	-5.41	54	36.81	35.2	11.76	35.18	104	121	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	41.38	-26.82	68.2	44.89	37.58	17.8	58.89	100	0	P	H
		15870	44.67	-29.33	74	39.5	40.08	21.81	56.72	100	0	P	H
													H
													H
		10580	40.76	-27.44	68.2	44.27	37.58	17.8	58.89	100	0	P	V
		15870	44.77	-29.23	74	39.6	40.08	21.81	56.72	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5453.04	53.45	-20.55	74	42.01	34.7	11.87	35.13	333	119	P	H
		5468.4	62.16	-6.04	68.2	50.6	34.8	11.89	35.13	333	119	P	H
		5460	46.38	-7.62	54	34.93	34.7	11.88	35.13	333	119	A	H
	*	5500	107.26	-	-	95.45	35	11.93	35.12	333	119	P	H
	*	5500	100.22	-	-	88.41	35	11.93	35.12	333	119	A	H
													H
		5459.92	56.8	-17.2	74	45.35	34.7	11.88	35.13	100	90	P	V
		5467.6	62.45	-5.75	68.2	50.89	34.8	11.89	35.13	100	90	P	V
		5460	46.09	-7.91	54	34.64	34.7	11.88	35.13	100	90	A	V
	*	5500	106.76	-	-	94.95	35	11.93	35.12	100	90	P	V
	*	5500	99.74	-	-	87.93	35	11.93	35.12	100	90	A	V
													V
802.11a CH 116 5580MHz		5444.32	49.21	-24.79	74	37.79	34.7	11.86	35.14	100	119	P	H
		5466.16	47.96	-20.24	68.2	36.4	34.8	11.89	35.13	100	119	P	H
		5459.92	40.73	-13.27	54	29.28	34.7	11.88	35.13	100	119	A	H
	*	5580	110.86	-	-	99.11	34.87	12.02	35.14	100	119	P	H
	*	5580	103.43	-	-	91.68	34.87	12.02	35.14	100	119	A	H
		5747.675	49.3	-18.9	68.2	37.19	35	12.28	35.17	100	119	P	H
		5373.04	49.68	-24.32	74	38.51	34.57	11.78	35.18	100	118	P	V
		5467.6	48.21	-19.99	68.2	36.65	34.8	11.89	35.13	100	118	P	V
		5453.2	40.99	-13.01	54	29.55	34.7	11.87	35.13	100	118	A	V
	*	5580	113.67	-	-	101.92	34.87	12.02	35.14	100	118	P	V
	*	5580	106.61	-	-	94.86	34.87	12.02	35.14	100	118	A	V
		5759.96	50.01	-18.19	68.2	37.88	35	12.3	35.17	100	118	P	V



802.11a CH 140 5700MHz	*	5700	104.27	-	-	92.23	35	12.2	35.16	328	109	P	H
	*	5700	97.34	-	-	85.3	35	12.2	35.16	328	109	A	H
		5726.92	59.28	-8.92	68.2	47.19	35	12.25	35.16	328	109	P	H
													H
													H
													H
	*	5700	106.22	-	-	94.18	35	12.2	35.16	100	89	P	V
	*	5700	98.94	-	-	86.9	35	12.2	35.16	100	89	A	V
		5726.04	64.18	-4.02	68.2	52.09	35	12.25	35.16	100	89	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	46.22	-27.78	74	48.91	37.9	18.1	58.69	100	0	P	H
		16500	48.62	-19.58	68.2	41.07	41.6	22.37	56.42	100	0	P	H
													H
													H
		11000	47.23	-26.77	74	49.92	37.9	18.1	58.69	100	0	P	V
		16500	48.93	-19.27	68.2	41.38	41.6	22.37	56.42	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	53.07	-20.93	74	55.25	37.9	18.23	58.31	100	224	P	H
		11160	44.25	-9.75	54	46.43	37.9	18.23	58.31	100	224	A	H
		16740	53.33	-14.87	68.2	44.7	42.36	22.6	56.33	100	0	P	H
													H
		11160	49.02	-24.98	74	51.2	37.9	18.23	58.31	100	0	P	V
		16740	54.42	-13.78	68.2	45.79	42.36	22.6	56.33	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.56	-26.44	74	48.75	38.1	18.45	57.74	100	0	P	H
		17100	51.17	-17.03	68.2	42.53	42	22.91	56.27	100	0	P	H
													H
													H
		11400	47.87	-26.13	74	49.06	38.1	18.45	57.74	100	0	P	V
		17100	49.8	-18.4	68.2	41.16	42	22.91	56.27	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	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5454.16	53.24	-20.76	74	41.8	34.7	11.87	35.13	336	122	P	H
		5469.84	60.14	-8.06	68.2	48.58	34.8	11.89	35.13	336	122	P	H
		5460	46.8	-7.2	54	35.35	34.7	11.88	35.13	336	122	A	H
	*	5500	105.58	-	-	93.77	35	11.93	35.12	336	122	P	H
	*	5500	98.66	-	-	86.85	35	11.93	35.12	336	122	A	H
													H
		5458.64	57.73	-16.27	74	46.28	34.7	11.88	35.13	100	96	P	V
		5469.36	62.92	-5.28	68.2	51.36	34.8	11.89	35.13	100	96	P	V
		5458.32	48.47	-5.53	54	37.02	34.7	11.88	35.13	100	96	A	V
	*	5500	108.12	-	-	96.31	35	11.93	35.12	100	96	P	V
	*	5500	101.24	-	-	89.43	35	11.93	35.12	100	96	A	V
													V
802.11n HT20 CH 116 5580MHz		5382.88	48.41	-25.59	74	37.16	34.63	11.79	35.17	100	119	P	H
		5460.16	49.05	-19.15	68.2	37.6	34.7	11.88	35.13	100	119	P	H
		5457.28	40.74	-13.26	54	29.29	34.7	11.88	35.13	100	119	A	H
	*	5580	110.4	-	-	98.65	34.87	12.02	35.14	100	119	P	H
	*	5580	103.05	-	-	91.3	34.87	12.02	35.14	100	119	A	H
		5764.37	48.54	-19.66	68.2	36.4	35	12.31	35.17	100	119	P	H
		5383.12	48.88	-25.12	74	37.63	34.63	11.79	35.17	100	118	P	V
		5466.64	49.61	-18.59	68.2	38.05	34.8	11.89	35.13	100	118	P	V
		5444.8	41.01	-12.99	54	29.59	34.7	11.86	35.14	100	118	A	V
	*	5580	113.47	-	-	101.72	34.87	12.02	35.14	100	118	P	V
	*	5580	106.21	-	-	94.46	34.87	12.02	35.14	100	118	A	V
		5728.775	50.16	-18.04	68.2	38.07	35	12.25	35.16	100	118	P	V



802.11n HT20 CH 140 5700MHz	*	5700	103.95	-	-	91.91	35	12.2	35.16	328	115	P	H
	*	5700	96.88	-	-	84.84	35	12.2	35.16	328	115	A	H
		5727.64	57.01	-11.19	68.2	44.92	35	12.25	35.16	328	115	P	H
													H
													H
													H
	*	5700	106.73	-	-	94.69	35	12.2	35.16	100	90	P	V
	*	5700	99.46	-	-	87.42	35	12.2	35.16	100	90	A	V
		5725.24	62.66	-5.54	68.2	50.57	35	12.25	35.16	100	90	P	V
													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 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	46.24	-27.76	74	48.93	37.9	18.1	58.69	100	0	P	H
		16500	49.34	-18.86	68.2	41.79	41.6	22.37	56.42	100	0	P	H
													H
													H
		11000	45.96	-28.04	74	48.65	37.9	18.1	58.69	100	0	P	V
		16500	52.63	-15.57	68.2	45.08	41.6	22.37	56.42	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	53.28	-20.72	74	55.46	37.9	18.23	58.31	100	225	P	H
		11160	44.49	-9.51	54	46.67	37.9	18.23	58.31	100	225	A	H
		16740	54.84	-13.36	68.2	46.21	42.36	22.6	56.33	100	0	P	H
													H
		11160	48.6	-25.4	74	50.78	37.9	18.23	58.31	100	0	P	V
		16746	53.11	-15.09	68.2	44.48	42.36	22.6	56.33	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	48.37	-25.63	74	49.56	38.1	18.45	57.74	100	0	P	H
		17100	51.87	-16.33	68.2	43.23	42	22.91	56.27	100	0	P	H
													H
													H
		11400	47.2	-26.8	74	48.39	38.1	18.45	57.74	100	0	P	V
		17100	52.44	-15.76	68.2	43.8	42	22.91	56.27	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	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		5456.56	50.17	-23.83	74	38.72	34.7	11.88	35.13	315	109	P	H
		5468.8	55.14	-13.06	68.2	43.58	34.8	11.89	35.13	315	109	P	H
		5452.48	45.11	-8.89	54	33.67	34.7	11.87	35.13	315	109	A	H
	*	5510	100.4	-	-	88.58	35	11.94	35.12	315	109	P	H
	*	5510	93.94	-	-	82.12	35	11.94	35.12	315	109	A	H
		5754.29	49.11	-19.09	68.2	36.99	35	12.29	35.17	315	109	P	H
		5458.96	57.52	-16.48	74	46.07	34.7	11.88	35.13	100	119	P	V
		5466.16	64.1	-4.1	68.2	52.54	34.8	11.89	35.13	100	119	P	V
		5452.24	49.98	-4.02	54	38.54	34.7	11.87	35.13	100	119	A	V
	*	5510	102.7	-	-	90.88	35	11.94	35.12	100	119	P	V
	*	5510	96.29	-	-	84.47	35	11.94	35.12	100	119	A	V
		5728.46	47.66	-20.54	68.2	35.57	35	12.25	35.16	100	119	P	V
802.11n HT40 CH 110 5550MHz		5458.72	53.93	-20.07	74	42.48	34.7	11.88	35.13	345	119	P	H
		5469.28	55.22	-12.98	68.2	43.66	34.8	11.89	35.13	345	119	P	H
		5458	46.22	-7.78	54	34.77	34.7	11.88	35.13	345	119	A	H
	*	5550	104.72	-	-	93.07	34.8	11.98	35.13	345	119	P	H
	*	5550	98.59	-	-	86.94	34.8	11.98	35.13	345	119	A	H
		5759.96	50.8	-17.4	68.2	38.67	35	12.3	35.17	345	119	P	H
		5441.2	57.15	-16.85	74	45.73	34.7	11.86	35.14	100	119	P	V
		5469.04	59.52	-8.68	68.2	47.96	34.8	11.89	35.13	100	119	P	V
		5458.48	49.68	-4.32	54	38.23	34.7	11.88	35.13	100	119	A	V
	*	5550	107.67	-	-	96.02	34.8	11.98	35.13	100	119	P	V
	*	5550	100.97	-	-	89.32	34.8	11.98	35.13	100	119	A	V
		5754.29	48.78	-19.42	68.2	36.66	35	12.29	35.17	100	119	P	V



802.11n HT40 CH 134 5670MHz		5366.8	48.45	-25.55	74	37.28	34.57	11.78	35.18	347	117	P	H
		5466.9	49.09	-19.11	68.2	37.53	34.8	11.89	35.13	347	117	P	H
		5406	40.73	-13.27	54	29.37	34.7	11.82	35.16	347	117	A	H
	*	5670	103.79	-	-	91.93	34.85	12.16	35.15	347	117	P	H
	*	5670	96.55	-	-	84.69	34.85	12.16	35.15	347	117	A	H
		5726.325	56.54	-11.66	68.2	44.45	35	12.25	35.16	347	117	P	H
		5403.55	48.33	-25.67	74	36.98	34.7	11.81	35.16	104	119	P	V
		5466.55	48.89	-19.31	68.2	37.33	34.8	11.89	35.13	104	119	P	V
		5439.95	41.08	-12.92	54	29.66	34.7	11.86	35.14	104	119	A	V
	*	5670	107.55	-	-	95.69	34.85	12.16	35.15	104	119	P	V
	*	5670	100.86	-	-	89	34.85	12.16	35.15	104	119	A	V
		5725.975	65.04	-3.16	68.2	52.95	35	12.25	35.16	104	119	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	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	44.95	-29.05	74	47.58	37.9	18.11	58.64	100	0	P	H
		16530	48.21	-19.99	68.2	40.56	41.67	22.39	56.41	100	0	P	H
													H
													H
		11020	44.6	-29.4	74	47.23	37.9	18.11	58.64	100	0	P	V
		16530	48.13	-20.07	68.2	40.48	41.67	22.39	56.41	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	47.37	-26.63	74	49.74	37.9	18.18	58.45	100	0	P	H
		16650	50.17	-18.03	68.2	41.94	42.1	22.5	56.37	100	0	P	H
													H
													H
		11100	45.54	-28.46	74	47.91	37.9	18.18	58.45	100	0	P	V
		16650	50.55	-17.65	68.2	42.32	42.1	22.5	56.37	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	48.05	-25.95	74	49.51	38.03	18.39	57.88	100	0	P	H
		17010	53.15	-15.05	68.2	44.37	42.17	22.85	56.24	100	0	P	H
													H
													H
		11340	47.27	-26.73	74	48.73	38.03	18.39	57.88	100	0	P	V
		17010	54.52	-13.68	68.2	45.74	42.17	22.85	56.24	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5455.12	51.71	-22.29	74	39.77	35.2	11.87	35.13	100	118	P	H
		5469.04	53.76	-14.44	68.2	41.8	35.2	11.89	35.13	100	118	P	H
		5459.92	47.95	-6.05	54	36	35.2	11.88	35.13	100	118	A	H
	*	5530	92.37	-	-	80.37	35.17	11.96	35.13	100	118	P	H
	*	5530	87.32	-	-	75.32	35.17	11.96	35.13	100	118	A	H
		5764.055	47.01	-21.19	68.2	35.04	34.83	12.31	35.17	100	118	P	H
		5442.4	54.79	-19.21	74	42.84	35.23	11.86	35.14	103	120	P	V
		5466.64	57.75	-10.45	68.2	45.79	35.2	11.89	35.13	103	120	P	V
		5458.72	50.17	-3.83	54	38.22	35.2	11.88	35.13	103	120	A	V
	*	5530	96.58	-	-	84.58	35.17	11.96	35.13	103	120	P	V
	*	5530	91.69	-	-	79.69	35.17	11.96	35.13	103	120	A	V
		5747.36	47.56	-20.64	68.2	35.65	34.8	12.28	35.17	103	120	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	42.92	-31.08	74	45.52	37.8	18.15	58.55	100	0	P	H
		16590	46.03	-22.17	68.2	38.32	41.65	22.45	56.39	100	0	P	H
													H
													H
		11060	43	-31	74	45.6	37.8	18.15	58.55	100	0	P	V
		16590	45.99	-22.21	68.2	38.28	41.65	22.45	56.39	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 802.11n HT40 (LF @ 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 LF		80.49	24.85	-15.15	40	40.02	13.31	1.5	29.98	-	-	P	H
		134.76	29.22	-14.28	43.5	39.69	17.55	1.94	29.96	-	-	P	H
		150.69	27.87	-15.63	43.5	38.51	17.25	2.06	29.95	-	-	P	H
		635.3	35.23	-10.77	46	34.6	26.12	4.28	29.77	100	0	P	H
		685	34.91	-11.09	46	33.8	26.36	4.44	29.69	-	-	P	H
		756.4	34.3	-11.7	46	31.44	27.74	4.67	29.55	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	31.77	-8.23	40	36.53	24.32	0.93	30.01	100	0	P	V
		53.76	31.41	-8.59	40	47.02	13.14	1.24	29.99	-	-	P	V
		58.62	31.15	-8.85	40	47.91	11.94	1.29	29.99	-	-	P	V
		639.5	34.45	-11.55	46	33.81	26.12	4.29	29.77	-	-	P	V
		715.1	35.41	-10.59	46	33.97	26.54	4.54	29.64	-	-	P	V
		946.1	32.67	-13.33	46	26.24	29.9	5.25	28.72	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against 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	P eak or A verage
H/V	H orizontal or V ertical



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

Test Engineer :	Jesse Wang, Stan Hsieh, and Ken Wu	Temperature :	23~25°C
		Relative Humidity :	53~60%

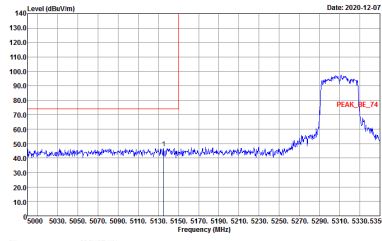
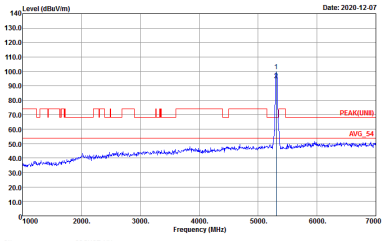
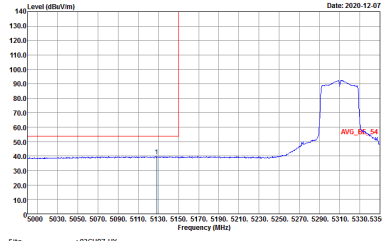
Note symbol

-L	Low channel location
-R	High channel location

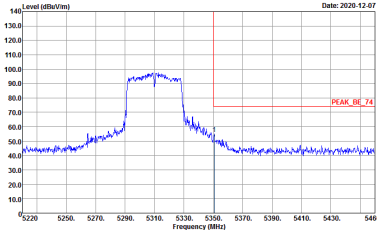
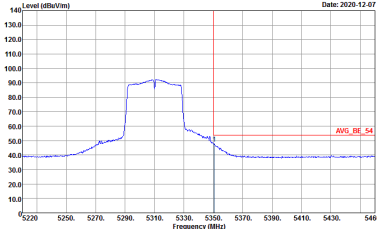


<For SKU 1>

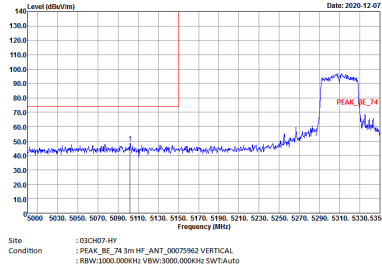
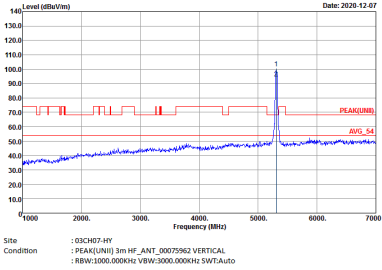
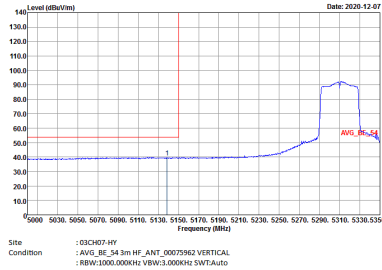
Band 2 - 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_UWB 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

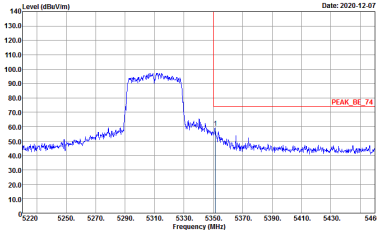
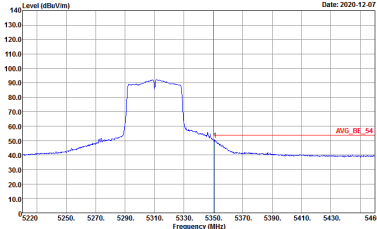


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Left blank
Avg.	 Site : 03CH07-HY Condition : : AVG_BE_54.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWTAuto	Left blank



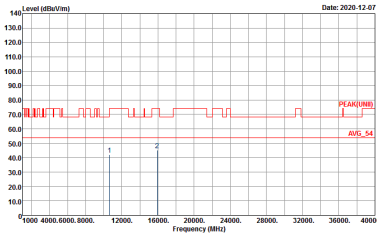
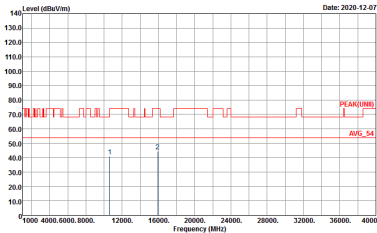
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_URB 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSKAIK_BE_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

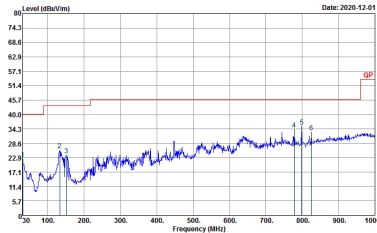
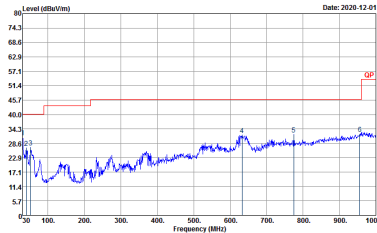


Band 2 - 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00227880 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00227880 VERTICAL



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

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(s) HORIZONTAL	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(s) VERTICAL



<For SKU 2>

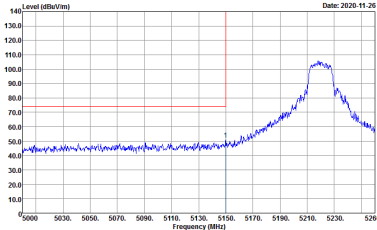
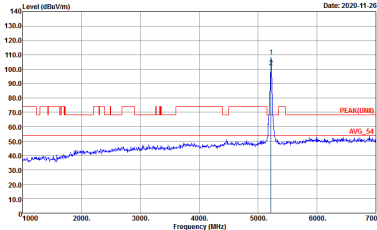
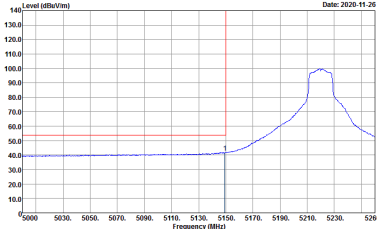
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE_78 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : PEAK(FUND) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

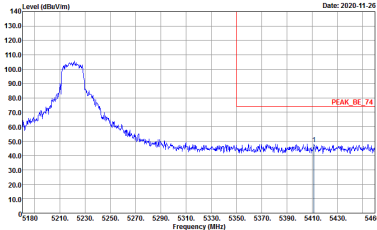
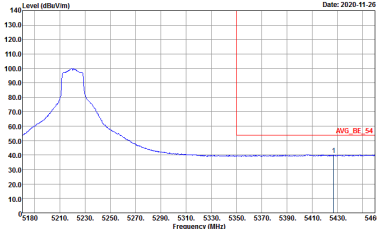


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

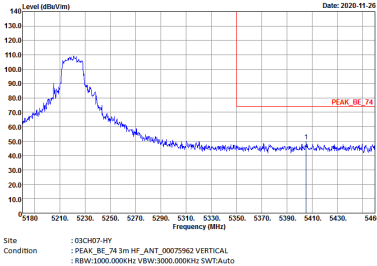
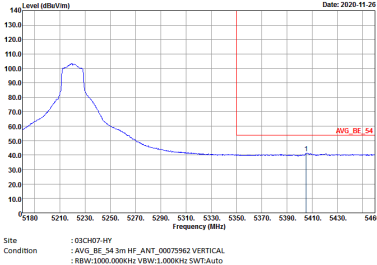


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PSKAIK_RE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Left blank
Avg.	 Site : 03CH07-HY Condition : : AVG_RE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWTAuto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH07-HY Condition : PSK_802.11a 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : PSK_802.11a 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH07-HY Condition : AVG_802.11a 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

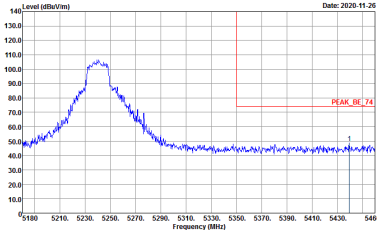
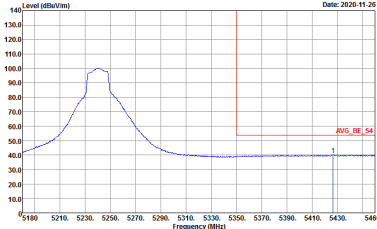


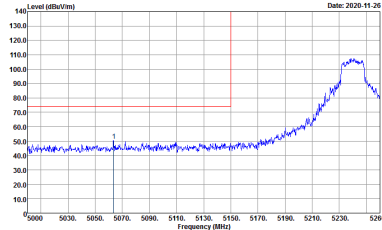
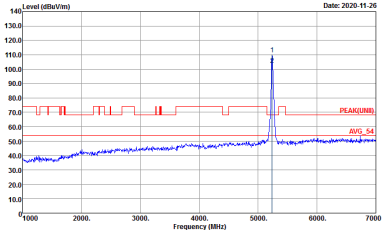
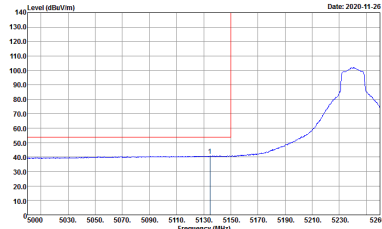
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSKAIK_RE_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



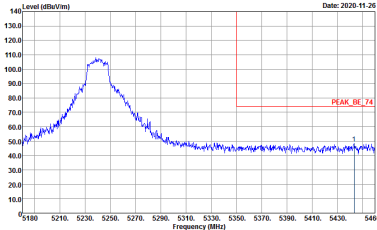
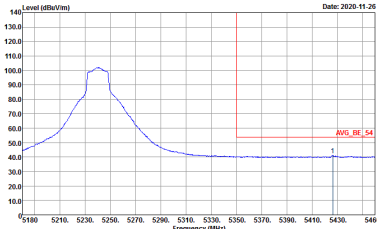
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PSK, RE_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : : AVG, RE_54.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

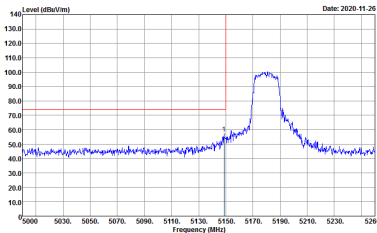
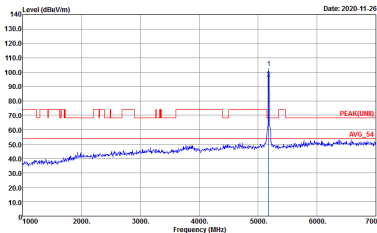
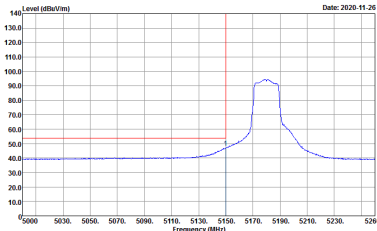
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSK48_52.4m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PSK48_52.4m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_52.4m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



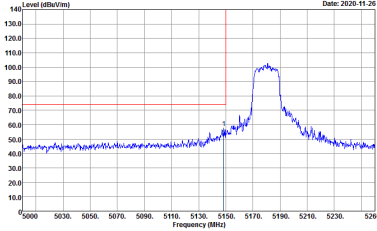
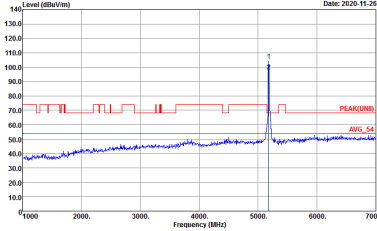
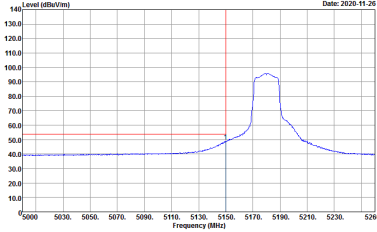
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSIAK_RE_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



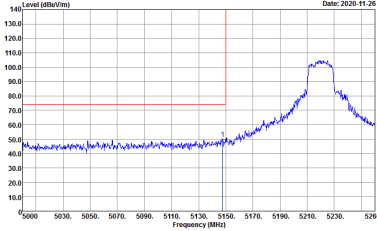
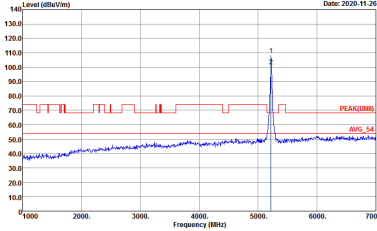
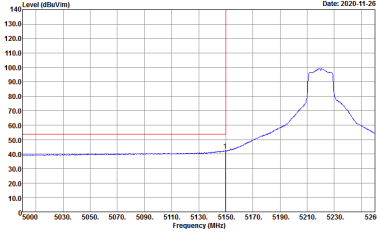
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWTAuto	Left blank

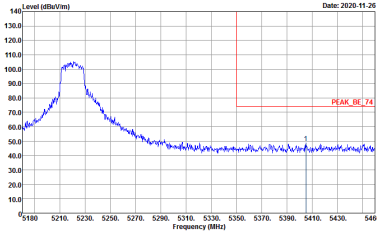
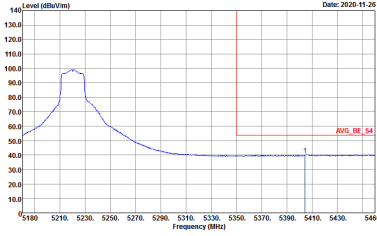


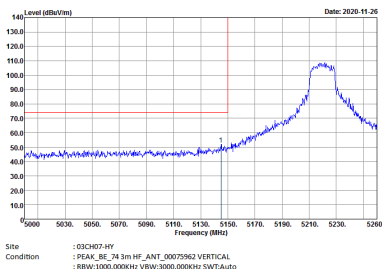
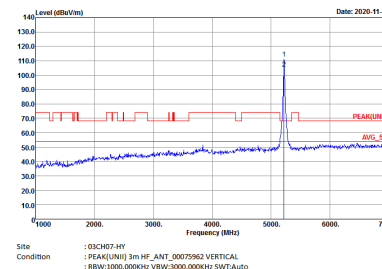
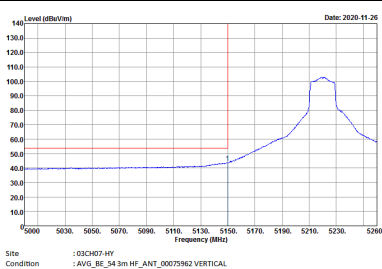
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSK_BF_74.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PSK_BF_74.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BF_74.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



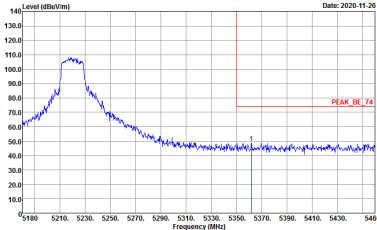
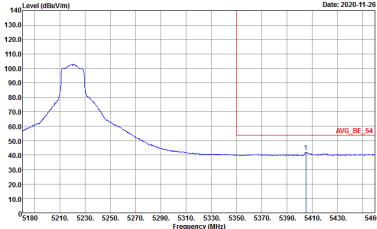
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PSK_BF_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PSK_BF_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BF_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



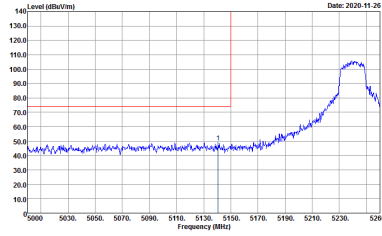
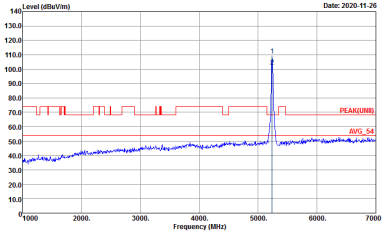
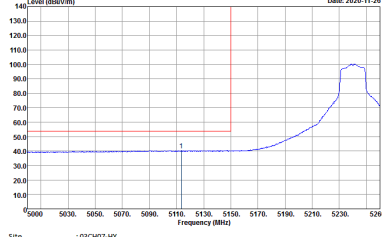
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PSKAI_RE_74.3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

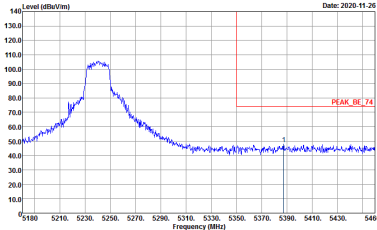
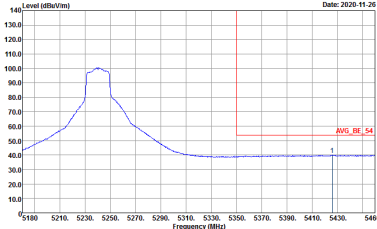


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSK_RR_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RR_54.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

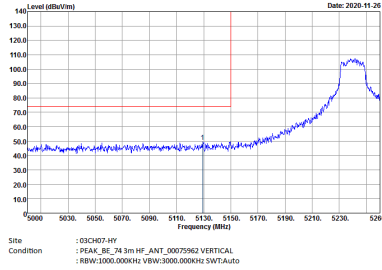
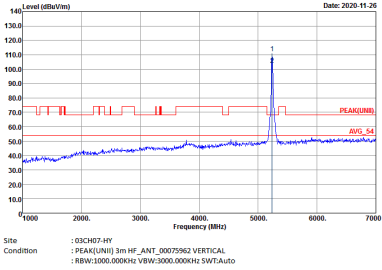
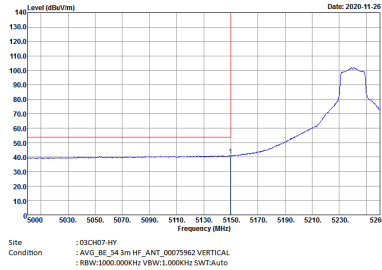


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

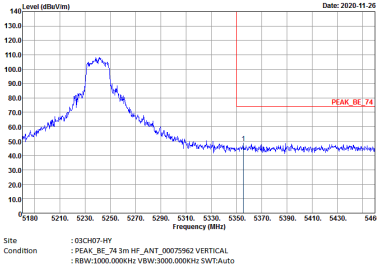
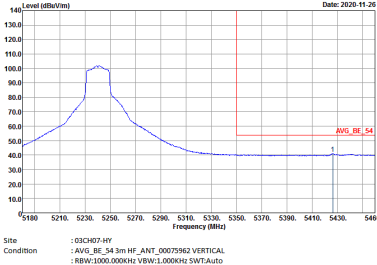


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PSK_RR_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



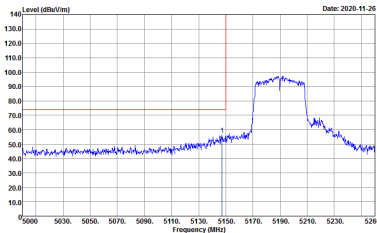
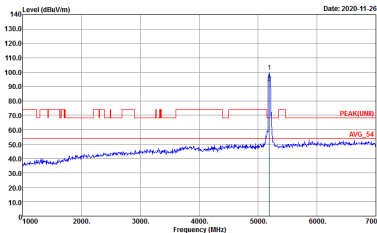
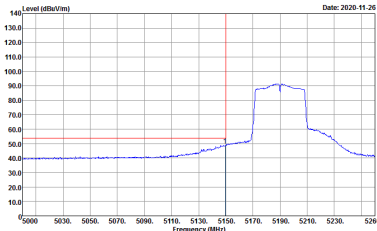
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSK48_52_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PSK48_52_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_52_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



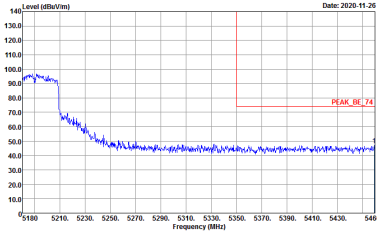
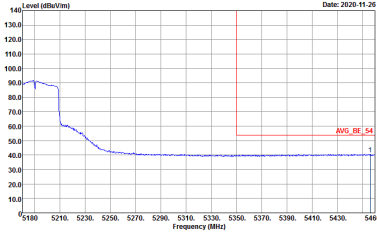
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSIAK_RE_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



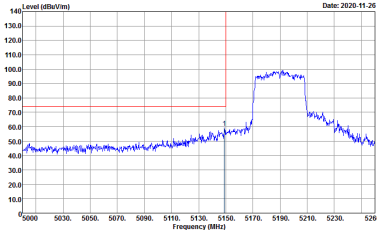
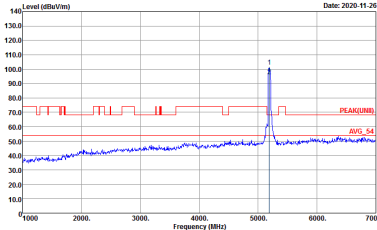
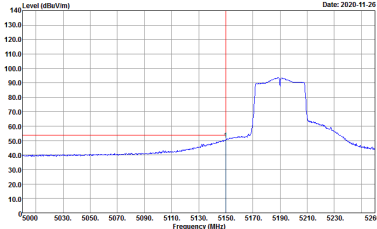
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(UNI) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

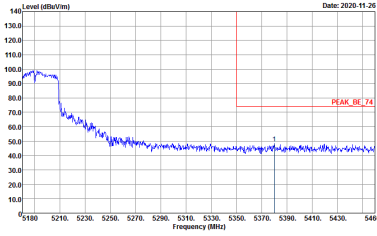
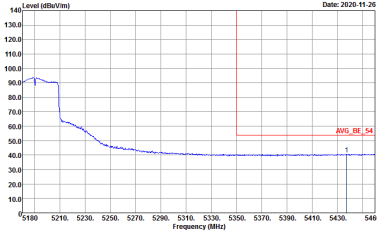


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PSKAIK_BE_74.3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54.3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

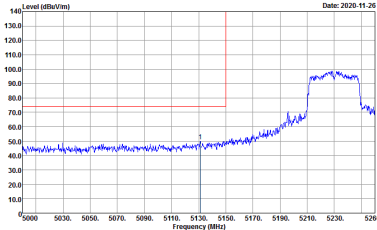
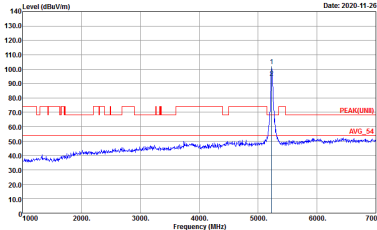
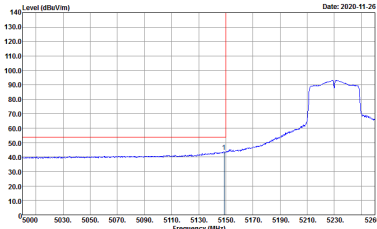


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

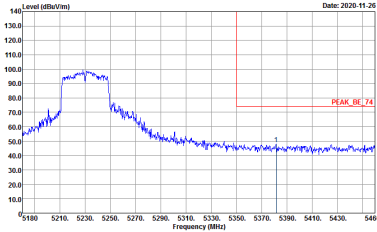
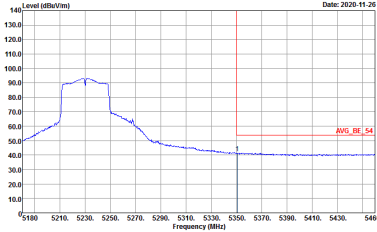


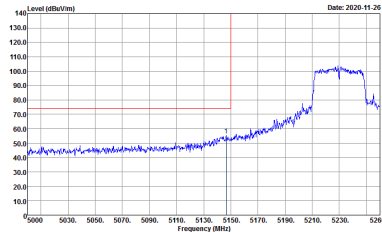
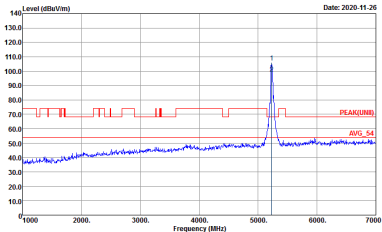
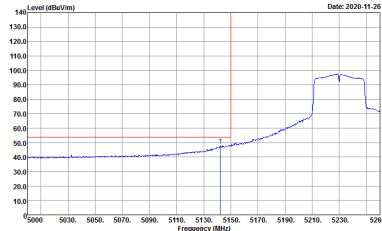
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSKAIK_RE_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



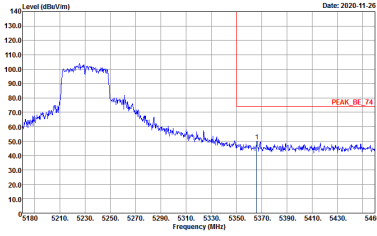
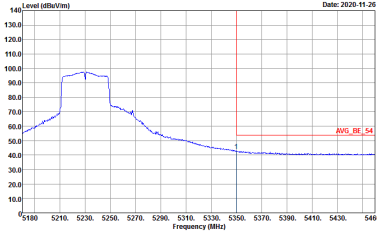
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PSIAK_RE_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : : AVG_RE_54.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

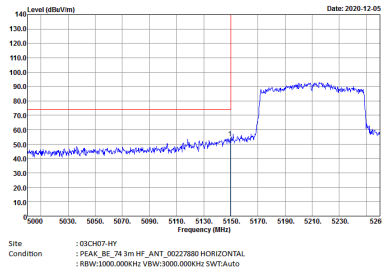
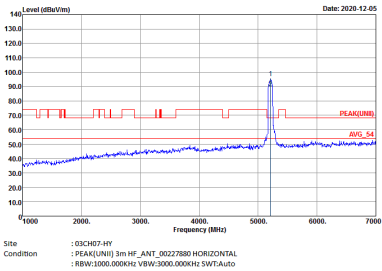
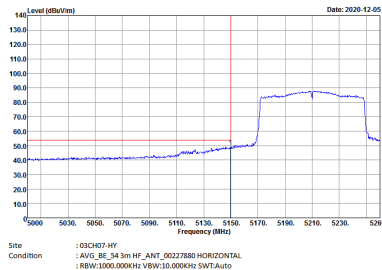
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_RE_74.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



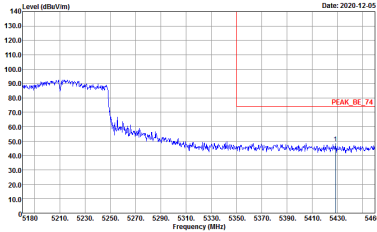
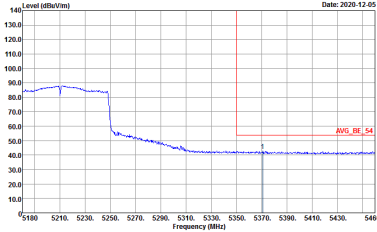
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSK_RL_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RL_54.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



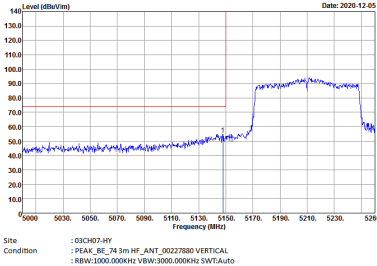
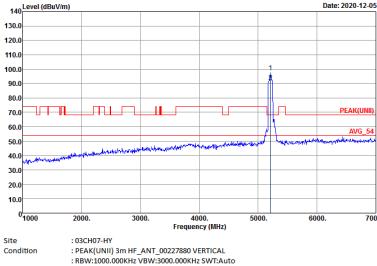
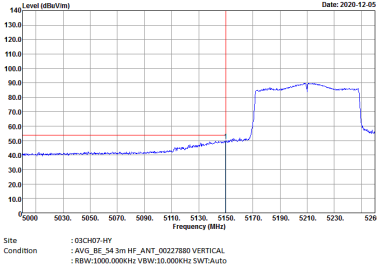
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_74 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto	Left blank

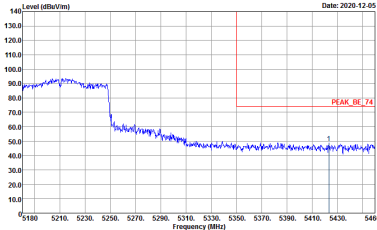
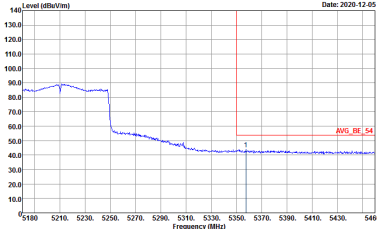


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PSKAIK_BE_74.3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54.3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto	Left blank



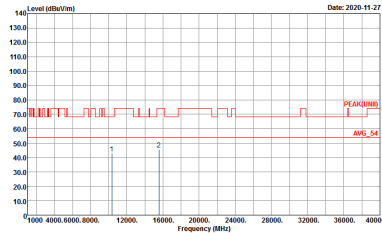
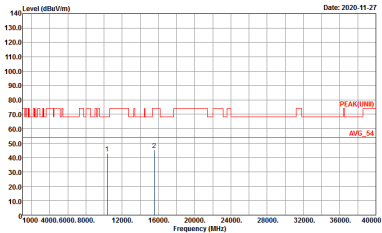
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSK-BE_74.3m HF_ANT_00227880 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PSK-BE_74.3m HF_ANT_00227880 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : PSK-BE_74.3m HF_ANT_00227880 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



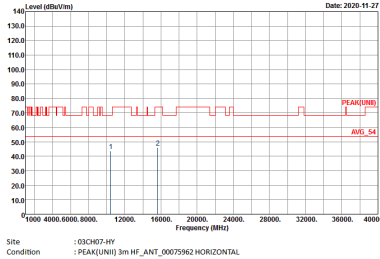
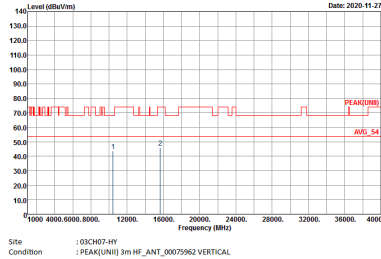
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSKAIK_RE_74.3m HF_ANT_00027880 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00027880 VERTICAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto	Left blank

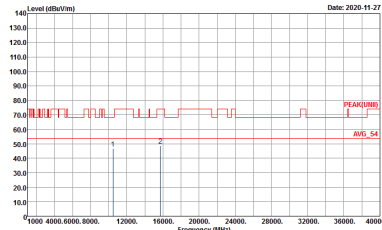
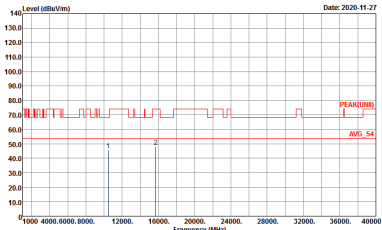


Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

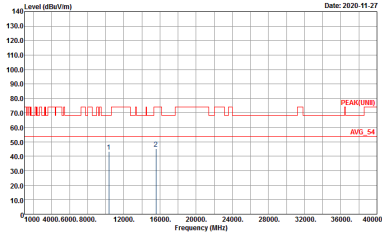
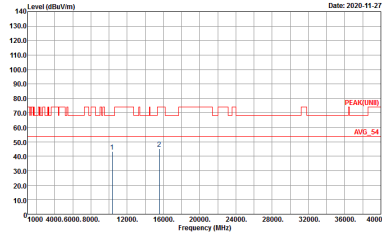
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(U/NII) 3m HF_ANT_00075962 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : PEAK(U/NII) 3m HF_ANT_00075962 VERTICAL Detector : Peak

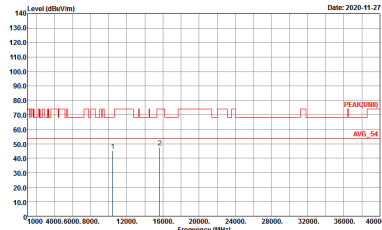
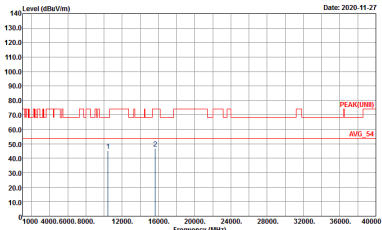


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

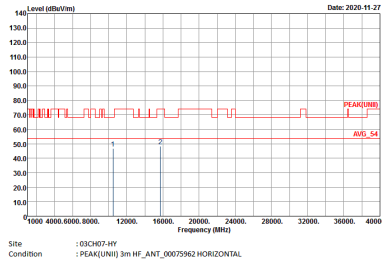
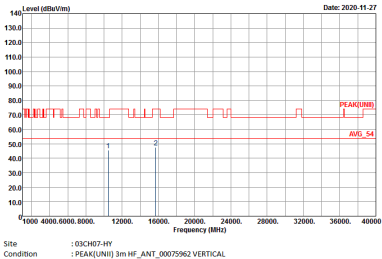
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

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

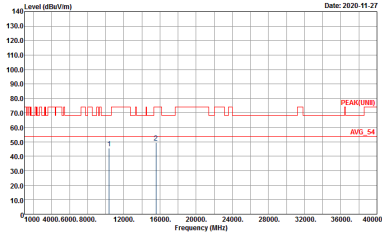
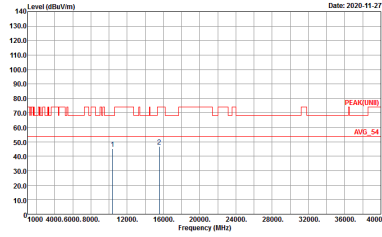
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

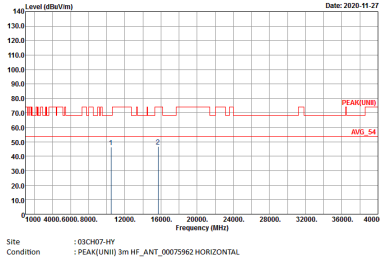
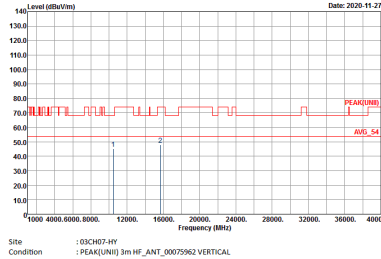


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

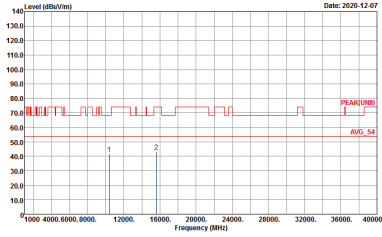
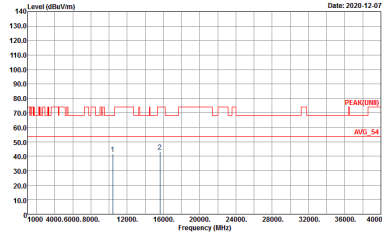
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL

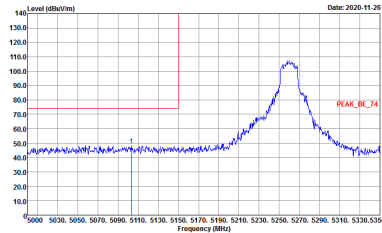
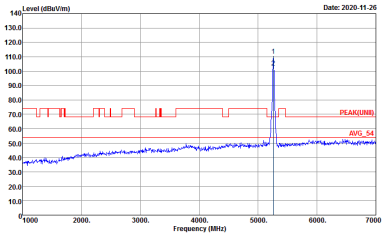
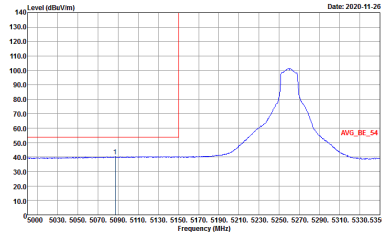


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

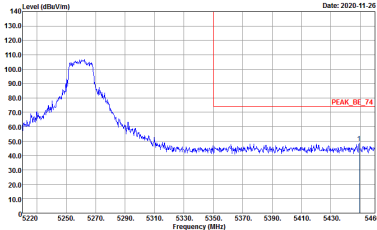
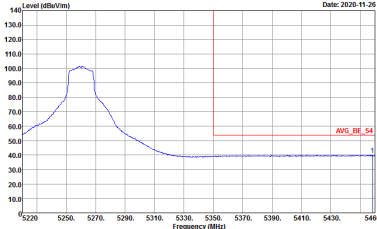
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00227880 HORIZONTAL	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00227880 VERTICAL

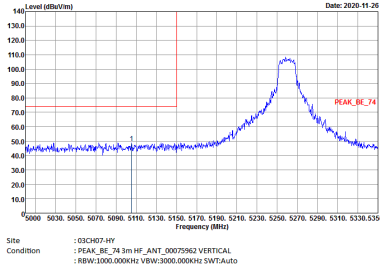
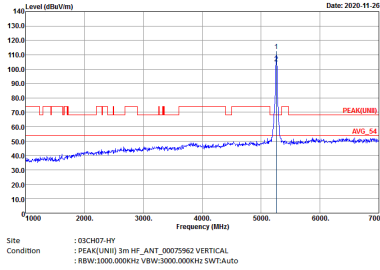
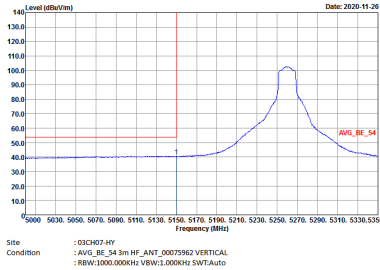
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : : PEAK_FUND 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

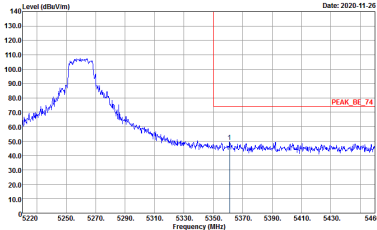
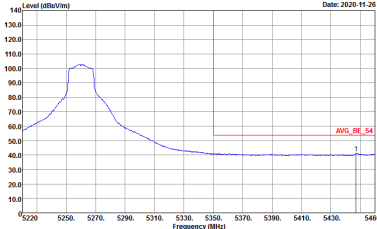


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

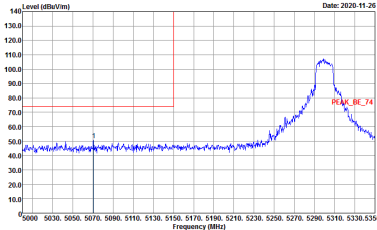
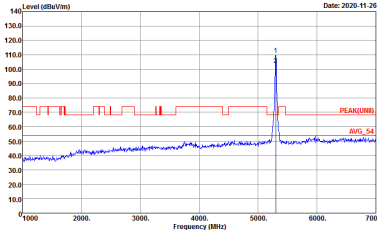
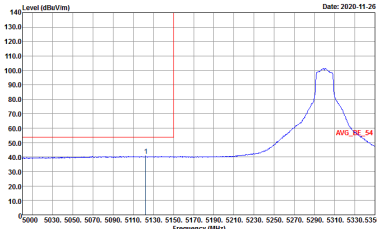


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_URB 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

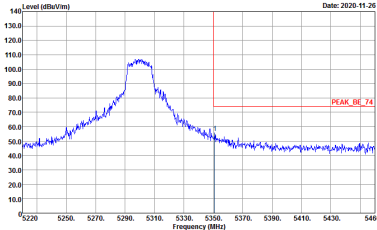
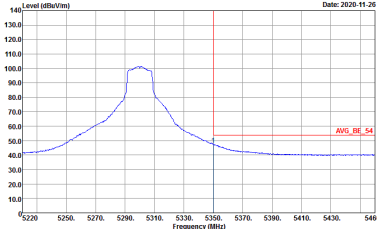


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PSIAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

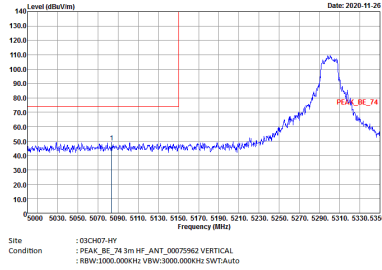
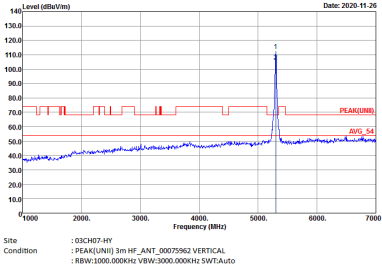
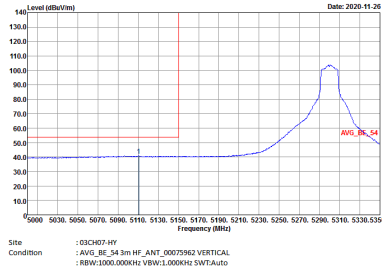


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : : PEAK_URB 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

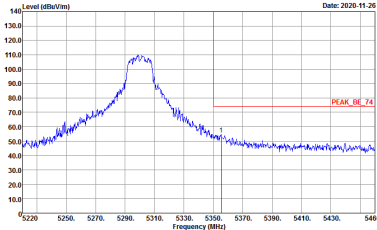
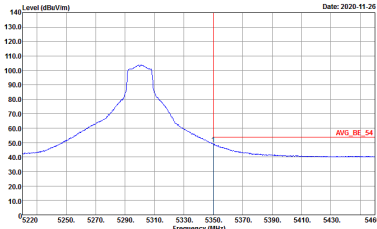


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54.3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWTAuto	Left blank

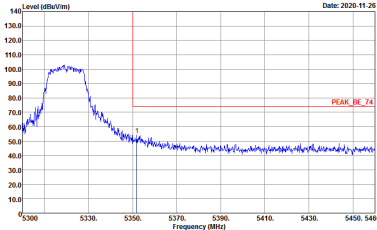
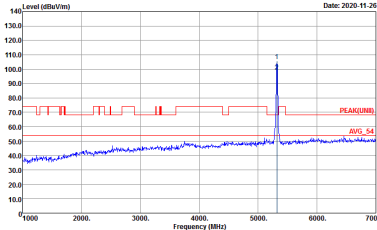
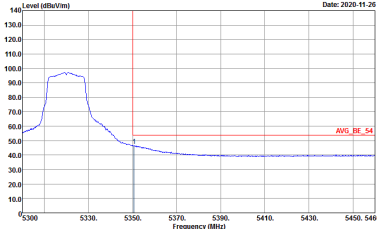


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

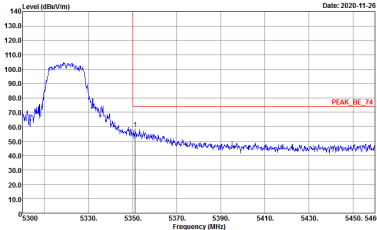
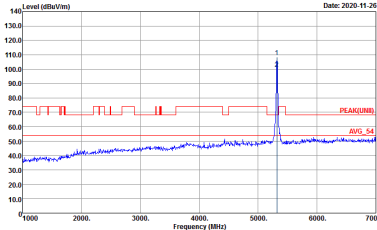
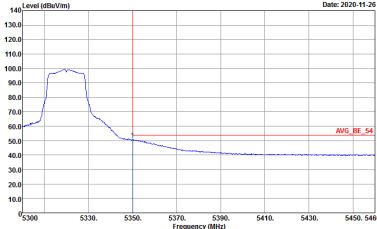


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSK_RL_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RL_54.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



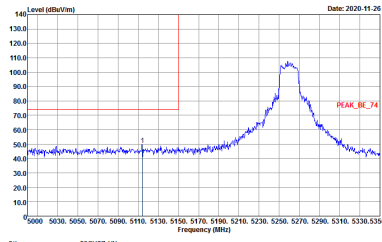
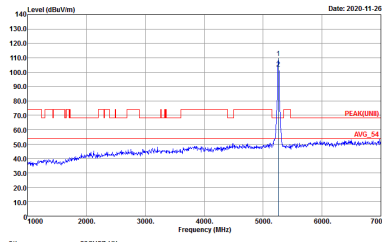
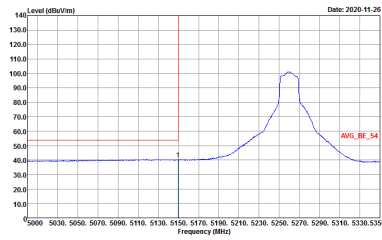
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(FUND) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



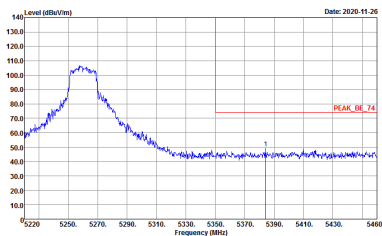
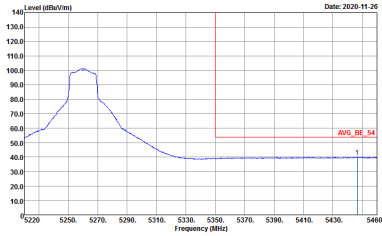
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(FUND) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

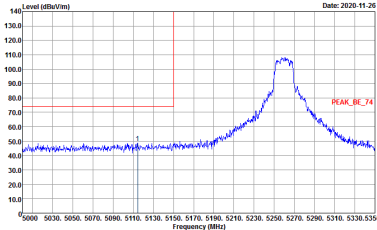
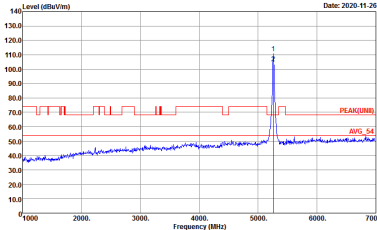
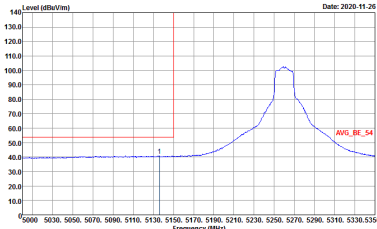


Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

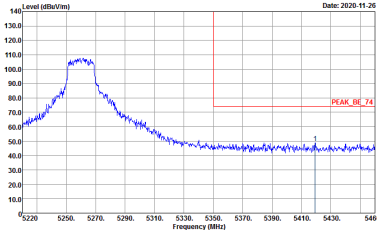
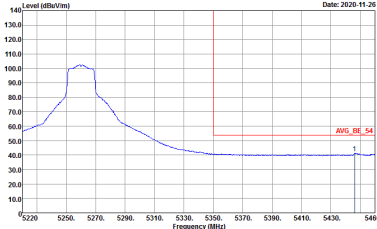
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWTAuto	Left blank



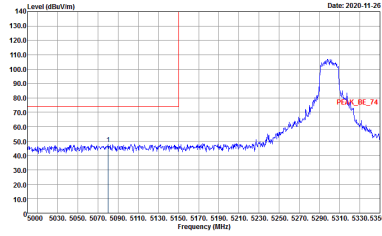
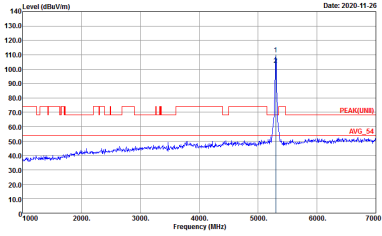
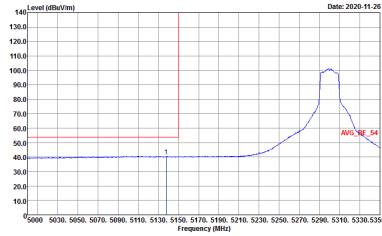
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_URB 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

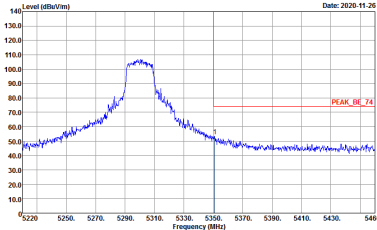
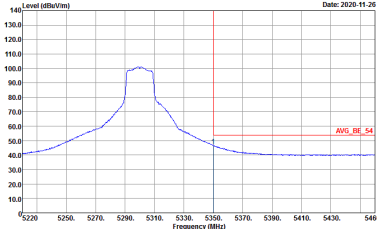


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PSIAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

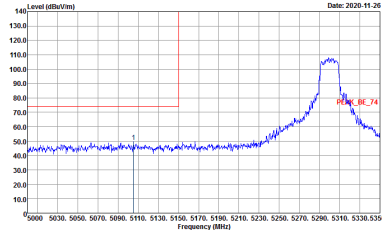
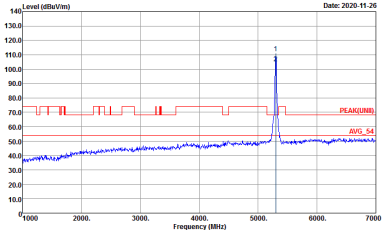
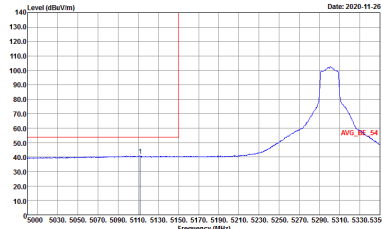


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_B2_74 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_B2_74 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_B2_54 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

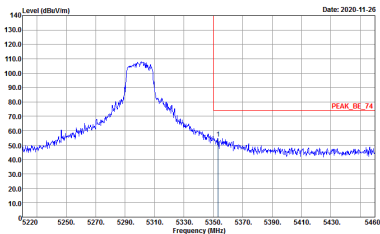
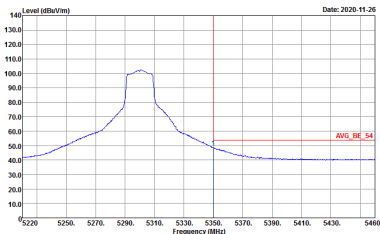


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH07-HY Condition : PEAK_RL_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RL_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWTAuto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

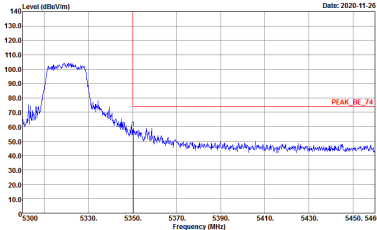
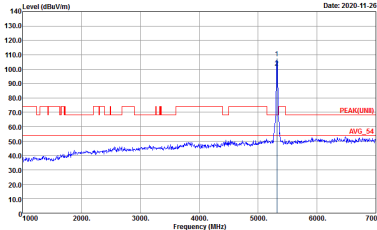
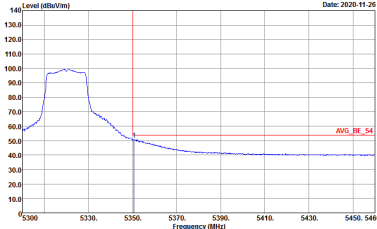


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSKAIK_BE_74.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



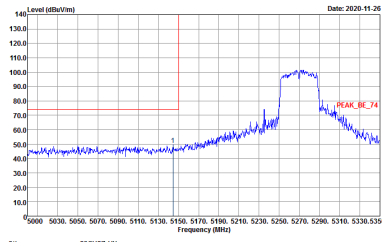
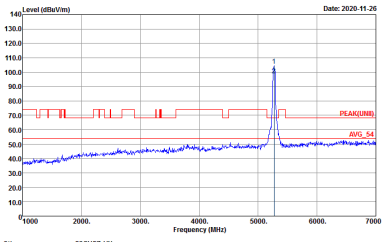
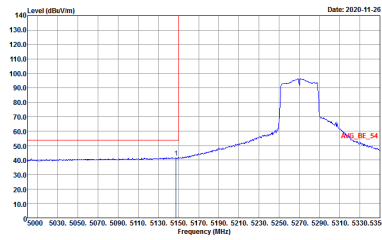
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : PEAK(FUN) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



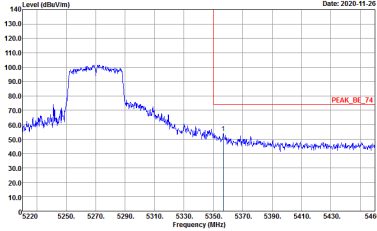
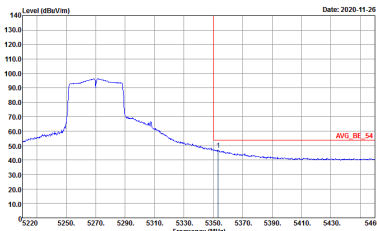
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : : PEAK_FUND 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



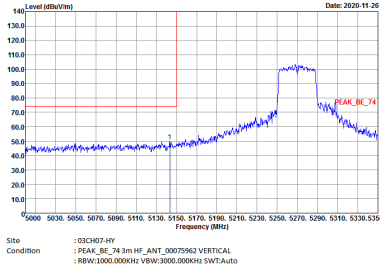
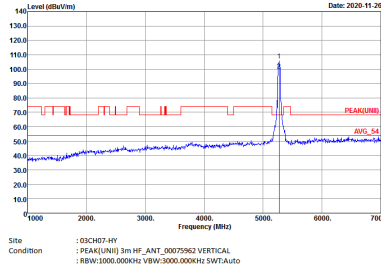
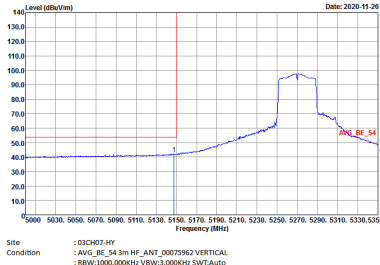
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_74 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

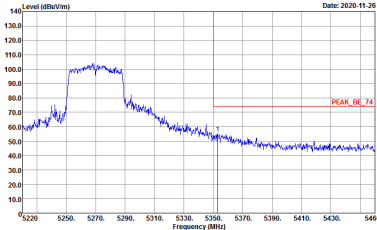
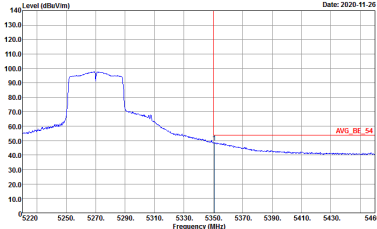


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PSKAI_RE_74.3m HF_ANT_00075962 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

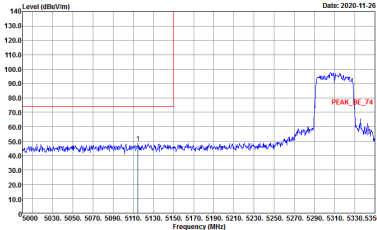
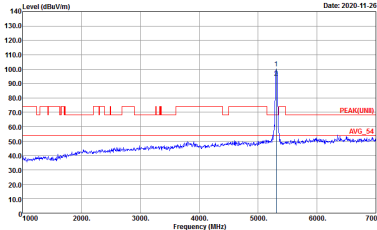
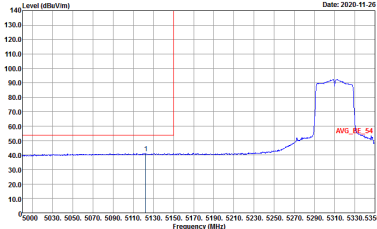


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

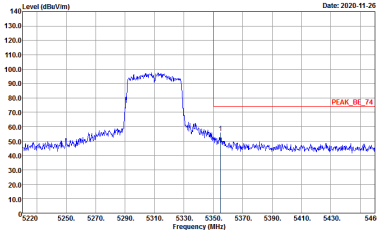
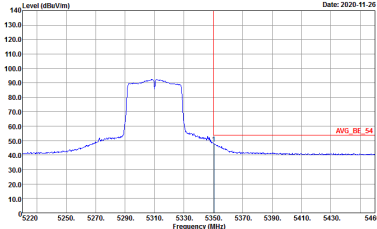


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak	 Site : 03CH07-HY Condition : PSKAI_RE_74.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RE_54.3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

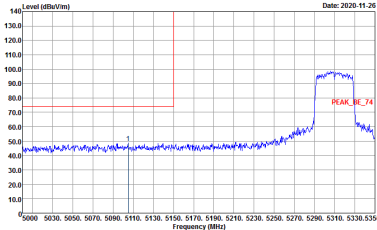
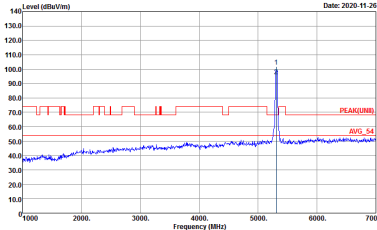
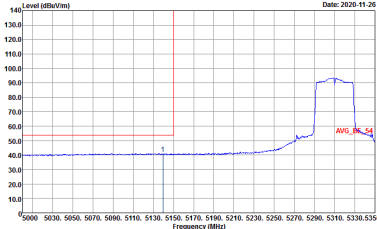


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_UWB 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

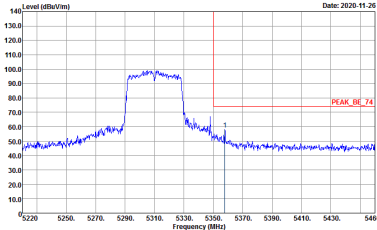
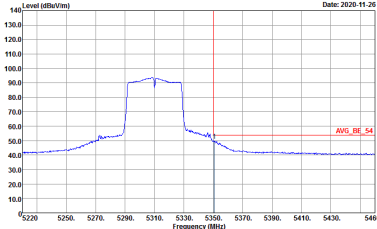


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74.3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54.3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



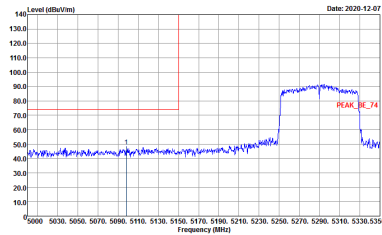
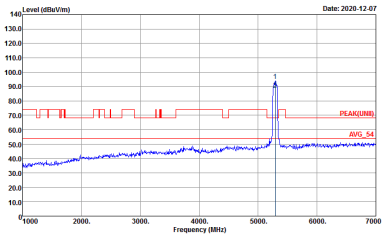
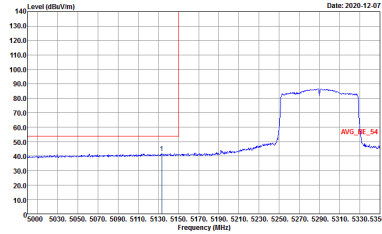
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_URB 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



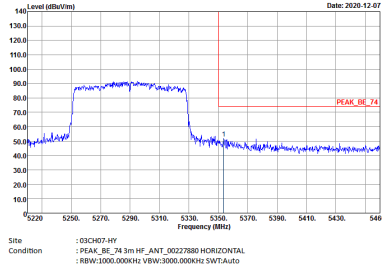
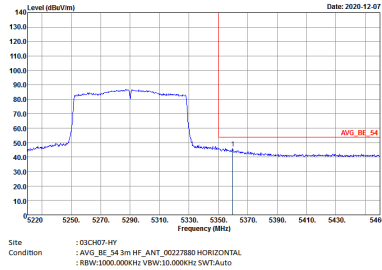
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54.3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank



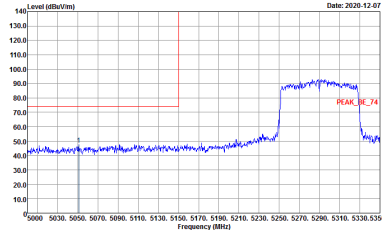
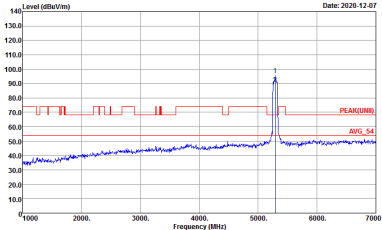
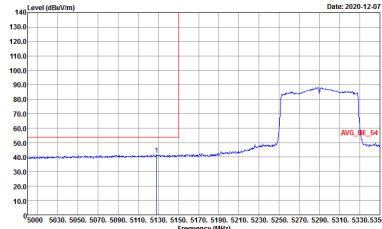
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_URB 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto	Left blank

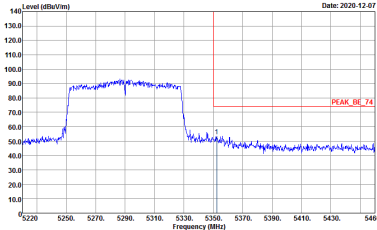
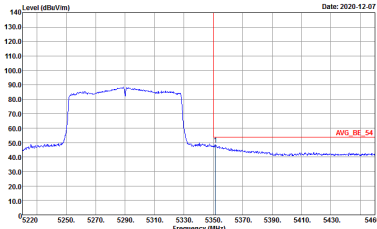


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto	Left blank



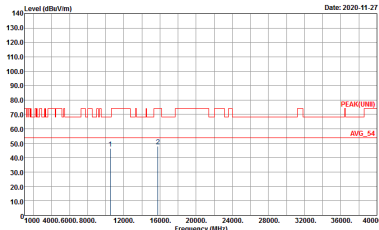
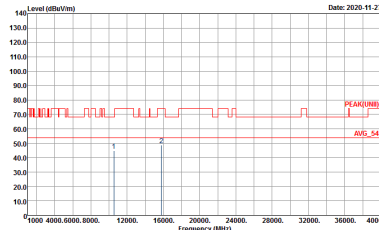
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_UE_74 3m HF_ANT_00227880 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : : PEAK_UE_74 3m HF_ANT_00227880 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : : AVG_UE_54 3m HF_ANT_00227880 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

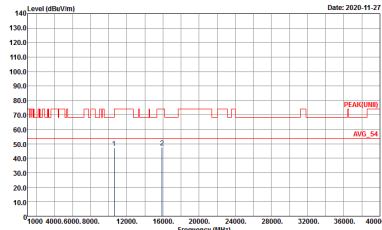
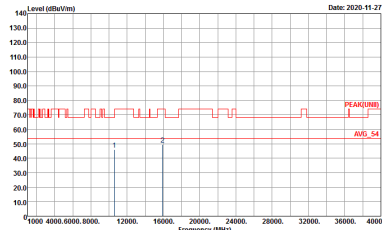


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PSK_RL_74.3m HF_ANT_00227880 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH07-HY Condition : AVG_RL_54.3m HF_ANT_00227880 VERTICAL RBW:1000.000kHz VBW:10.000kHz SWT:Auto	Left blank

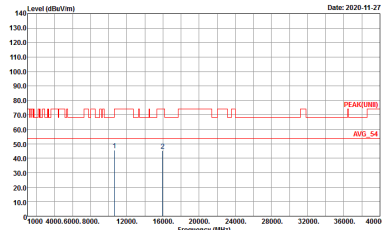
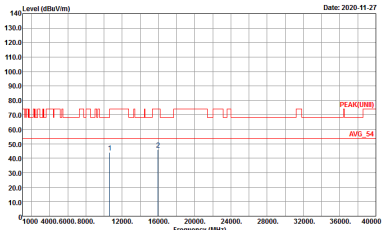


Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

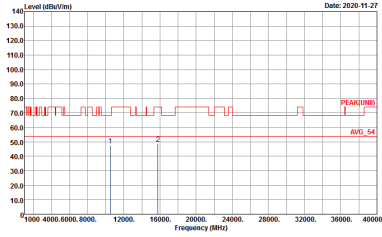
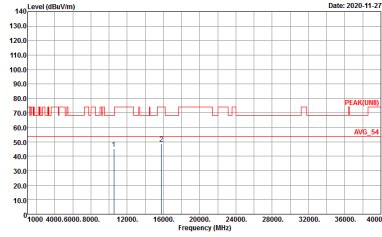
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

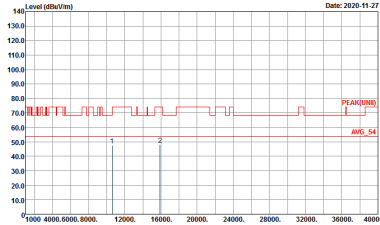
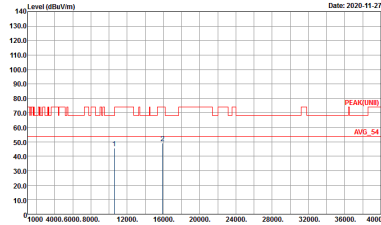


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

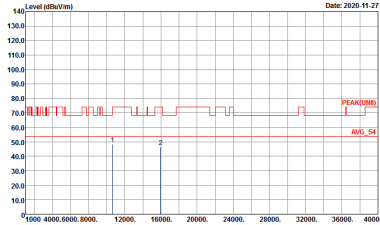
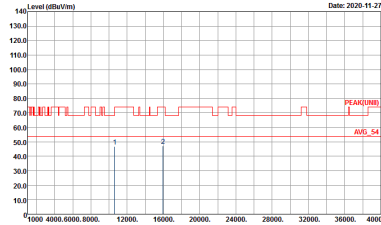
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL

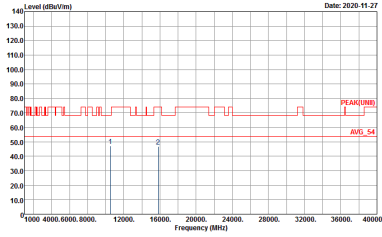
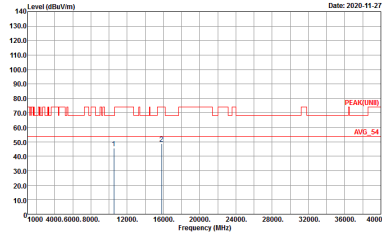


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

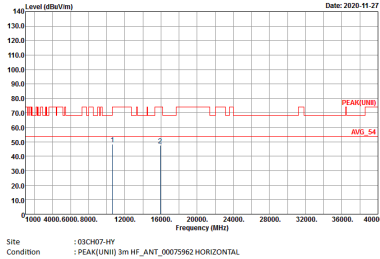
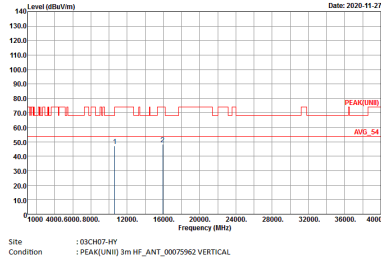


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

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

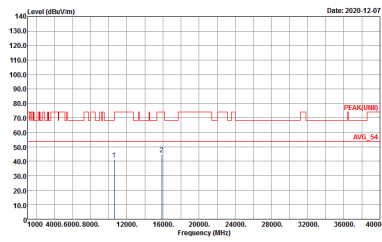
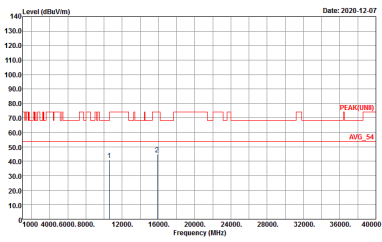
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.		

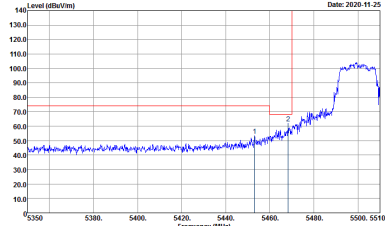
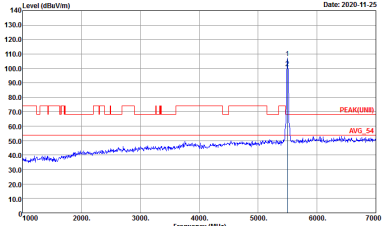
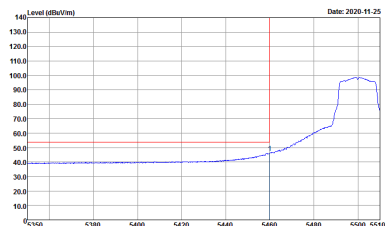


Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

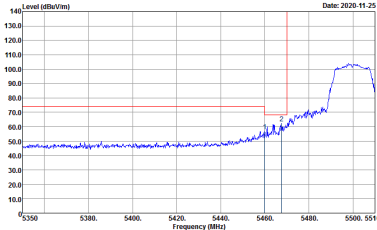
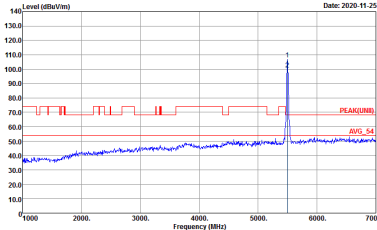
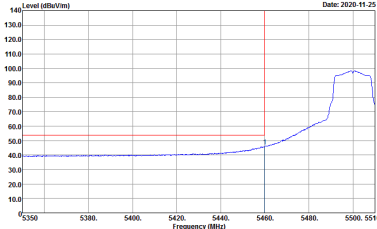
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-4H Condition : PEAK(UB) 3m HF_ANT_00227880 HORIZONTAL	 Site : 03CH07-4H Condition : PEAK(UB) 3m HF_ANT_00227880 VERTICAL



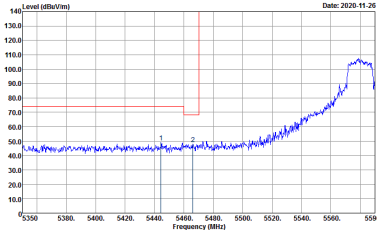
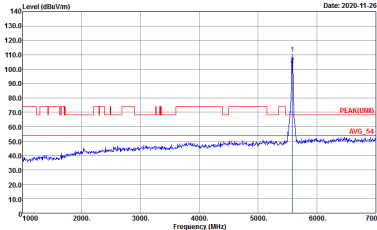
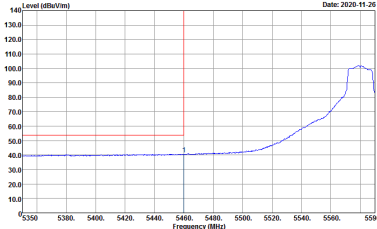
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE[UNII]_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK[UNII]_3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE[UNII]_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

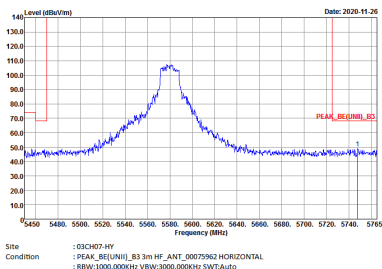


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_F[UNII] 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

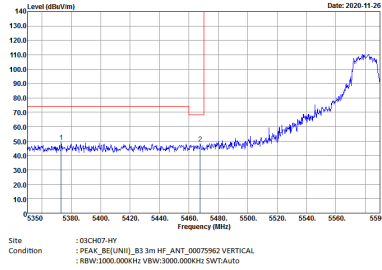
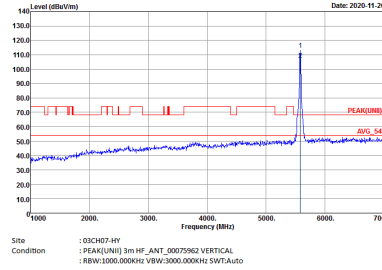
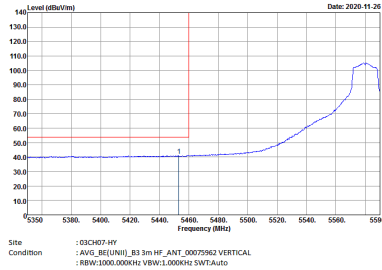


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : P5AK_BE[UNII]_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : P5AK[UNII] 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE[UNII]_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_F[UNII] 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	Site: 03CH07-HY Condition: PEAK_RR(LUWU)_R3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



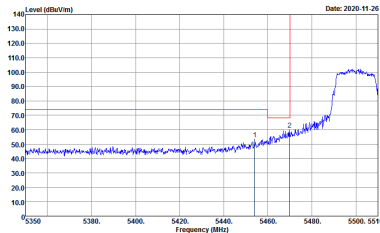
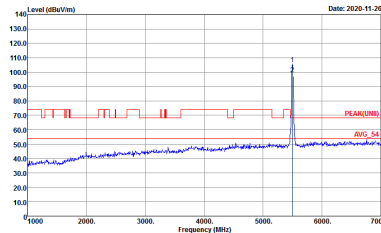
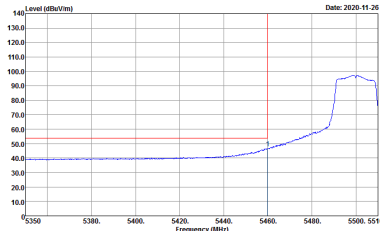
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH07-HY Condition : PSK(1/2) 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : PSK(1/2) 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



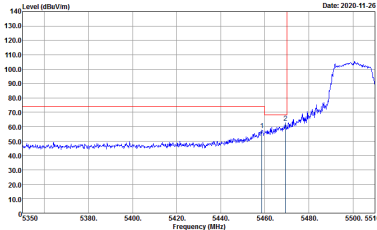
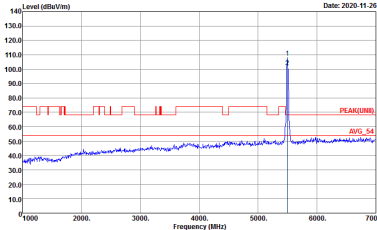
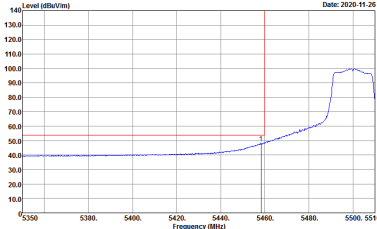
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2020-11-25 PEAK (RECURB)_B3 Site : 03CH07-HY Condition : PEAK(RECURB)_B3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2020-11-25 PEAK(RECURB)_B3 Site : 03CH07-HY Condition : PEAK(RECURB)_B3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto



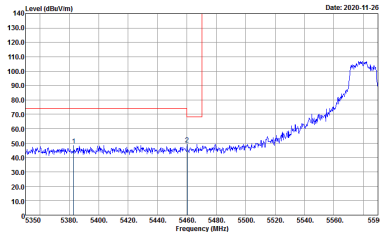
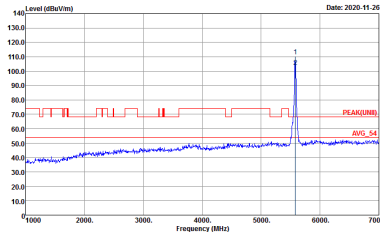
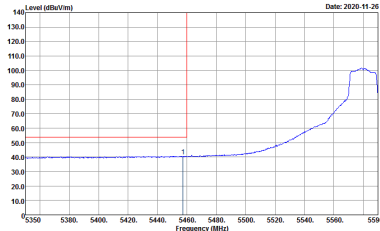
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWTAuto
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNIT)_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWTAuto	Left blank

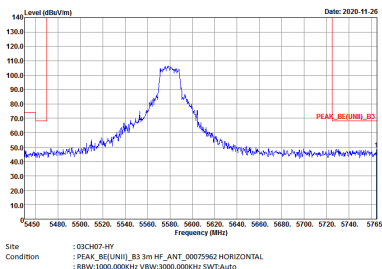


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_F[UNII] 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : P5AK_BE(LNII)_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : P5AK(LNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE(LNII)_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto	Left blank

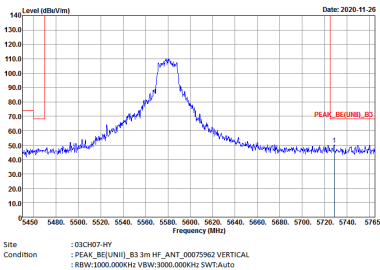


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

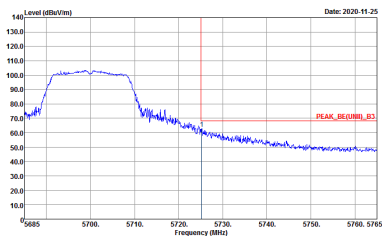
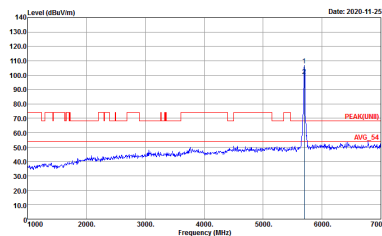


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

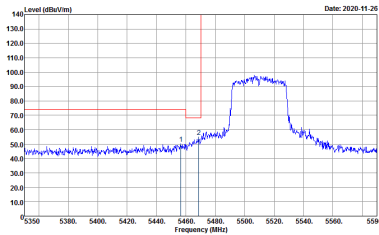
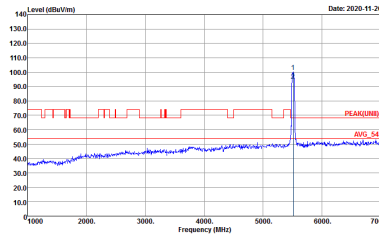
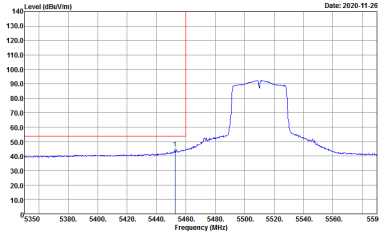


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	Level (dBuV/m) Date: 2020-11-26 PEAK (dBuV/m) Site : 03CH07-HY Condition : PEAK (UNII)_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) Date: 2020-11-26 PEAK (dBuV/m) Site : 03CH07-HY Condition : PEAK (UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

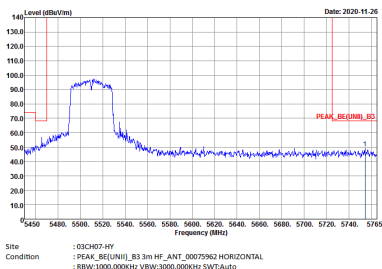


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 Site : 03CH07-HY Condition : PEAK_80211N_B3 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_80211N_B3 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

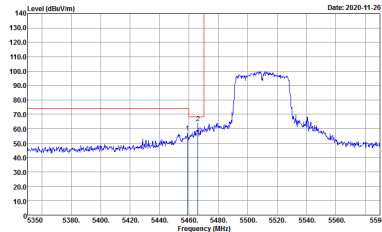
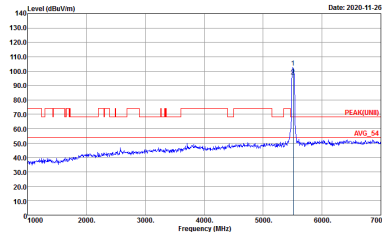
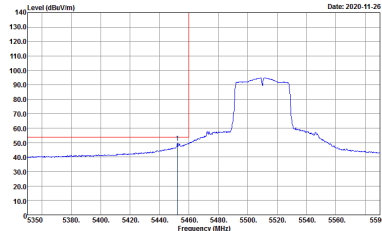
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNIT)_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

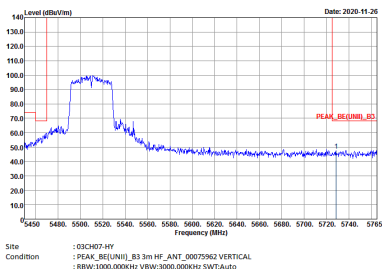


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

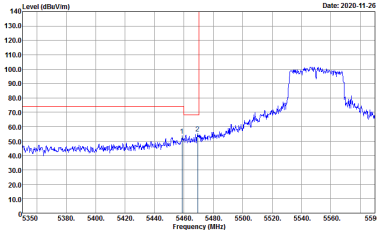
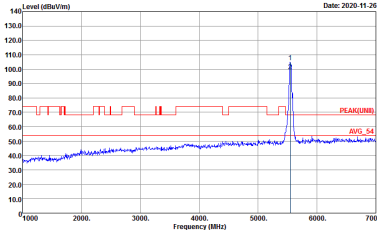
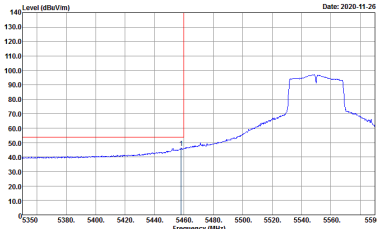


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_F[UNII] 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

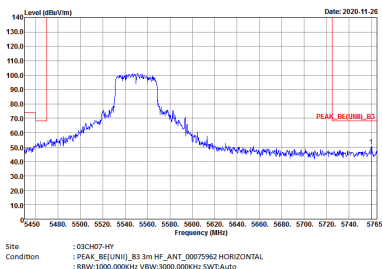


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH07-RF Condition : PSKAI_BICUNIV_B3 3m HF_ANT_00075942 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWE:Auto Date: 2020-11-26	Left blank

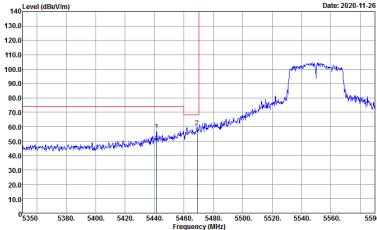
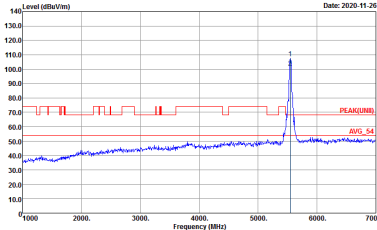
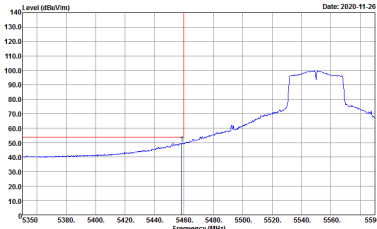


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE[UNII]_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK[UNII] 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE[UNII]_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

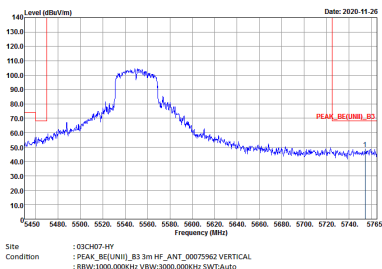


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

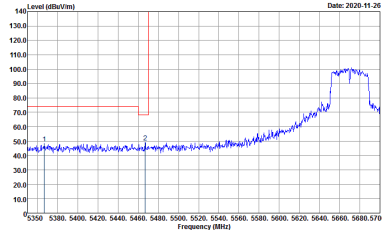
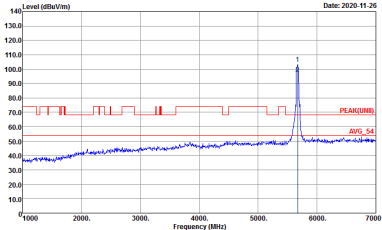
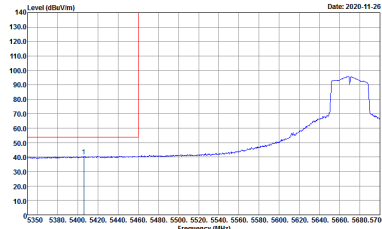


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK[UNII] 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto	Left blank

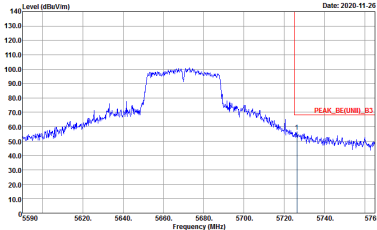


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak		Left blank

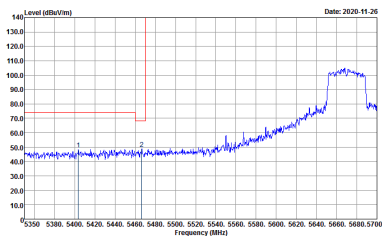
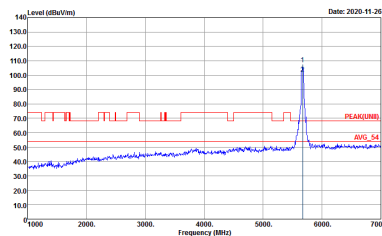
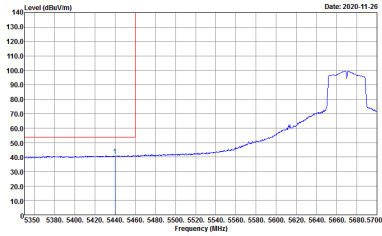


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : : PEAK_BE[UNII]_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : : PEAK[UNII] 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : : AVG_BE[UNII]_B3 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

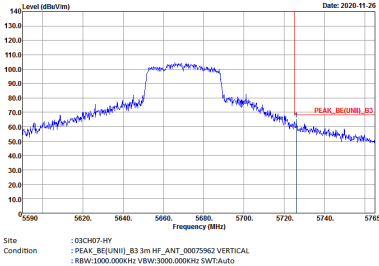


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH07-HY Condition : PSK, 802.11n, B3 3m HF_ANT_00075962 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Date: 2020-11-26	Left blank



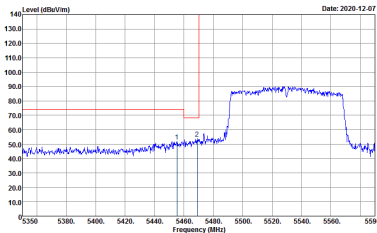
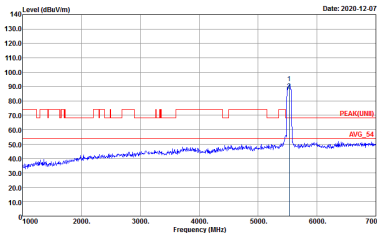
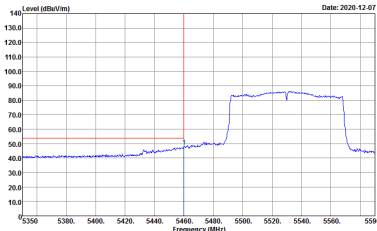
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK_F[UNII] 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE[UNII]_B3 3m HF_ANT_00075962 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



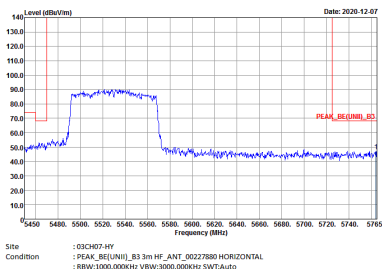
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak		Left blank



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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : AVG_BE(UNIT)_B3 3m HF_ANT_00227880 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto	Left blank

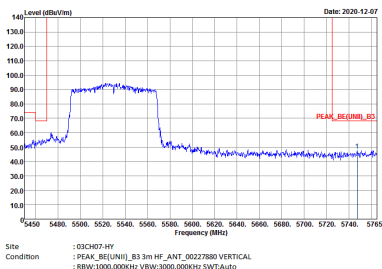


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak		Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH07-HY Condition : PSKAI_BICUNUJ_B3 3m HF_ANT_00227880 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWFAuto Date: 2020-12-07	Left blank



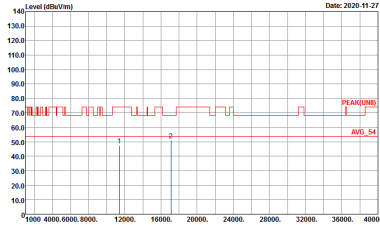
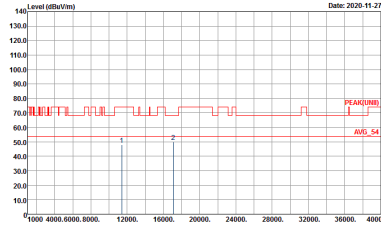
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

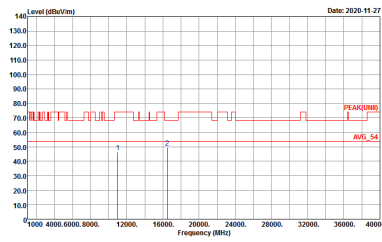
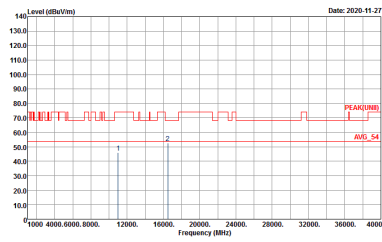


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

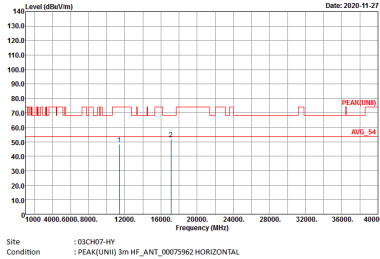
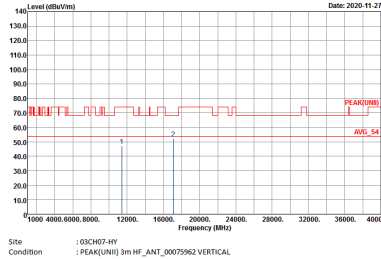
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-4H Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



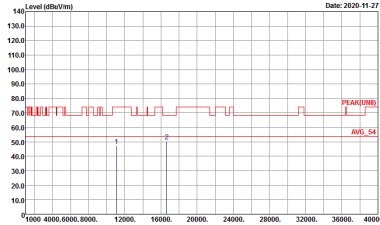
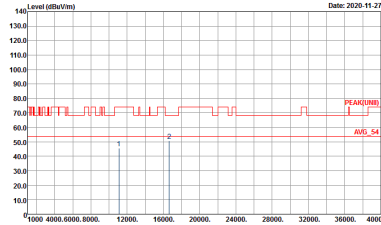
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



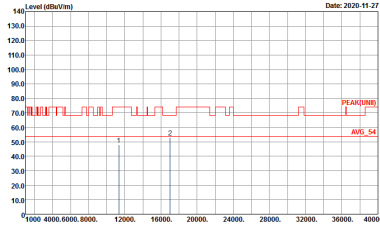
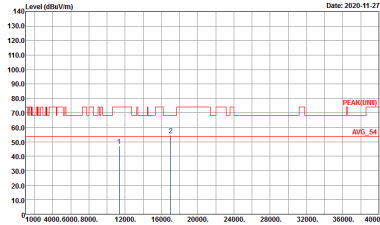
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH07-4H Condition : PEAK(UB) 3m HF_ANT_00075962 HORIZONTAL	Site : 03CH07-4H Condition : PEAK(UB) 3m HF_ANT_00075962 VERTICAL



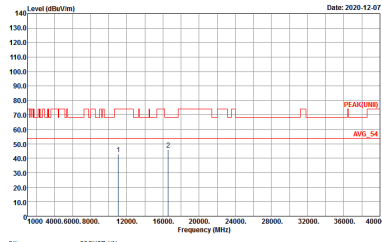
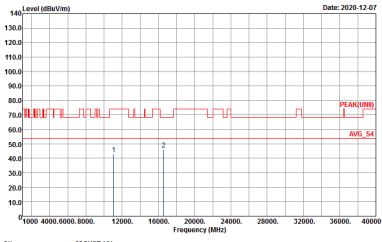
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 HORIZONTAL	 Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00075962 VERTICAL

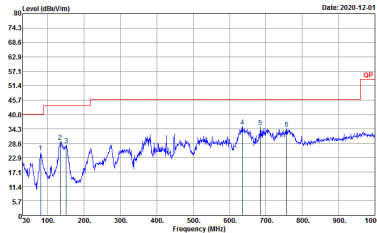
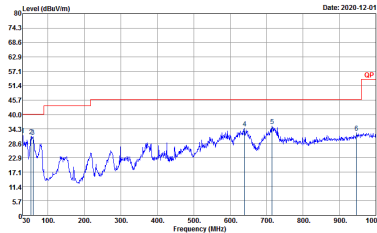


WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-4H Condition : PEAK(UNIT) 3m HF_ANT_00227880 HORIZONTAL	 Site : 03CH07-4H Condition : PEAK(UNIT) 3m HF_ANT_00227880 VERTICAL



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

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(s) HORIZONTAL	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(s) VERTICAL



Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11a	92.86	1430	0.70	1kHz	0.32
5GHz 802.11n HT20	92.41	1340	0.75	1kHz	0.34
5GHz 802.11n HT40	89.30	960	1.04	3kHz	0.49
5GHz 802.11ac VHT80	94.32	332	3.01	10kHz	0.25

