FCC RADIO TEST REPORT

FCC ID	:	**B32C6803GBTWN**
Equipment	:	**Point of Sales Terminal**
Brand Name	:	**Verifone**
Model Name	:	**C680 3G-BT-WiFi**
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 Jan. 20, 2020 and testing was started from Jul. 07, 2020 and completed on Aug. 12, 2020. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR692114-08E	01	Initial issue of report	Aug. 20, 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 3.39 dB at 5148.980 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 13.29 dB at 0.570 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: Cindy Liu

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, and RFID.

Product Feature	
Antenna Type	WWAN: PCB Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna RFID: Bobbin Antenna

Specification of Accessory		
AC Adapter	**Brand Name**	Verifone, Inc.
	Manufacturer	PHIHONG
	Model Name	AM11A-050A
	Power Rating	Input:100-240Vac, 50-60Hz 0.5A Output: 5.0V DC 2.2A
	Power Cord	1.8 meter, non-shielded cable, without ferrite core
Battery	**Brand Name**	Verifone, Inc.
	Model Name	BPK260-001

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

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH15-HY

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

FCC designation No.: TW1190 and TW0007

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- 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 (Y plane) were recorded in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

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

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

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

Test Cases	
AC Conducted Emission	Mode 1：Bluetooth Tx + WLAN (5GHz) Tx + Battery + Charging from AC Adapter + Primary micro-USB port (Cable load) + RS-232/4-Pin load + RS-232/RJ11 load + Secondary micro-USB port (USB Storage device Load)

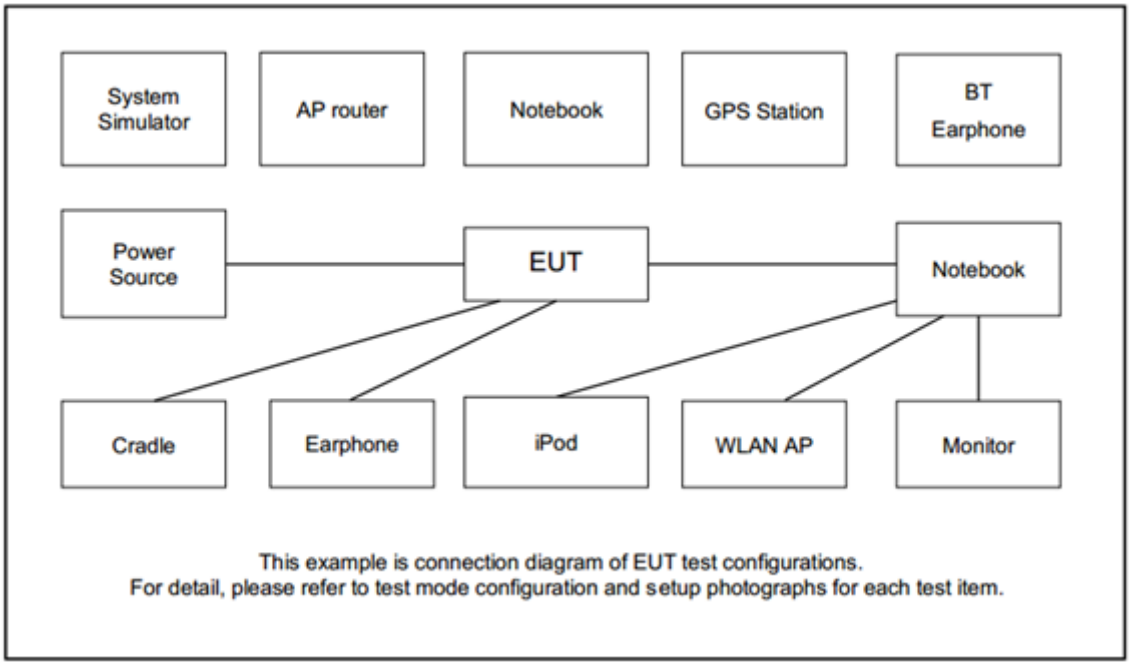
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

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	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	USB Flash Drive	Kingston	DTDUO3C	FCC DoC	N/A	N/A
2.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.5 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.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

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.

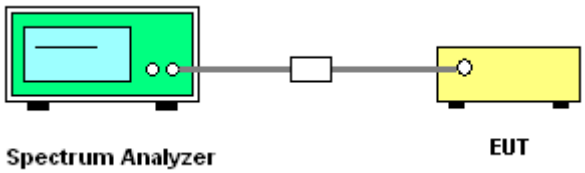
3.1.2 Measuring Instruments

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) ≥ 3 * RBW.
8. Measure and record the results in the test report.

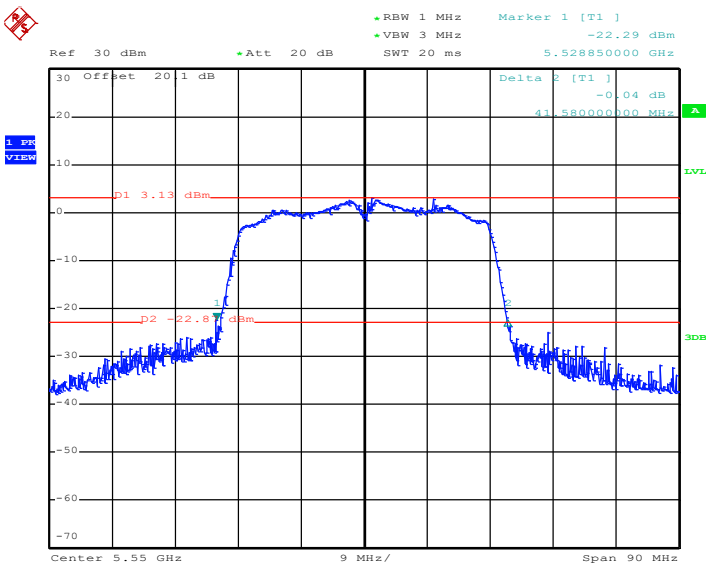
3.1.4 Test Setup



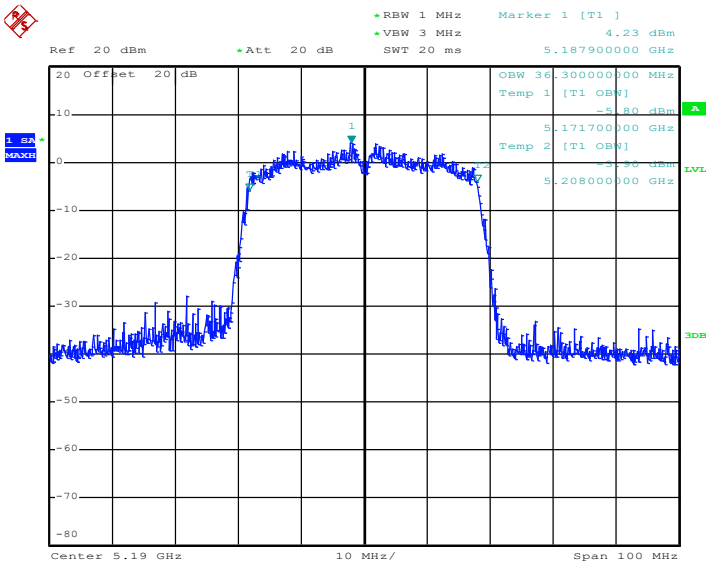
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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.

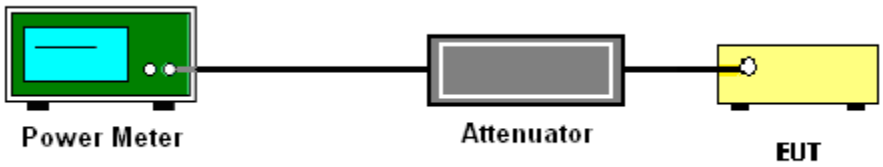
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

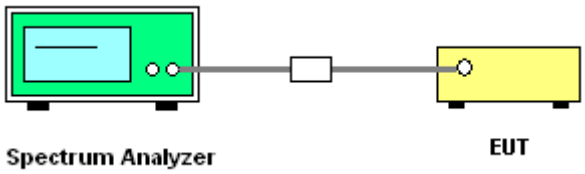
 # Method SA-3 #

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

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × 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.

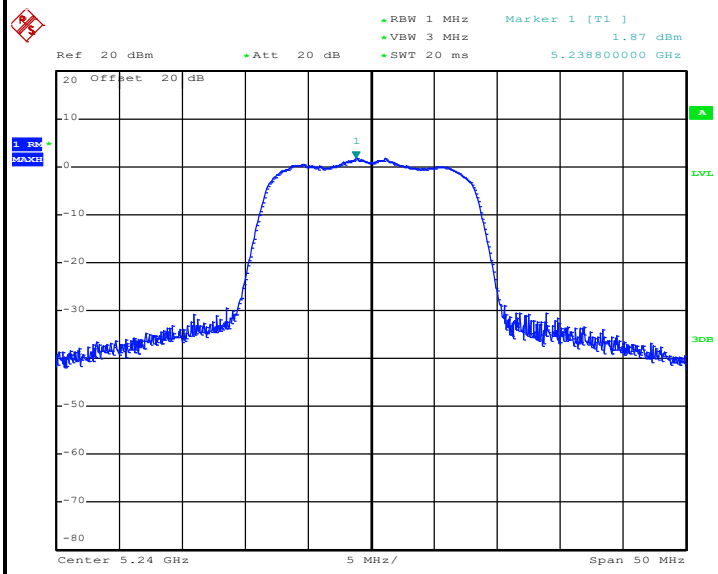
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



Note: Average Power Density (dB) = Measured value+ Duty Factor

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.

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

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

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

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

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

3.4.2 Measuring Instruments

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

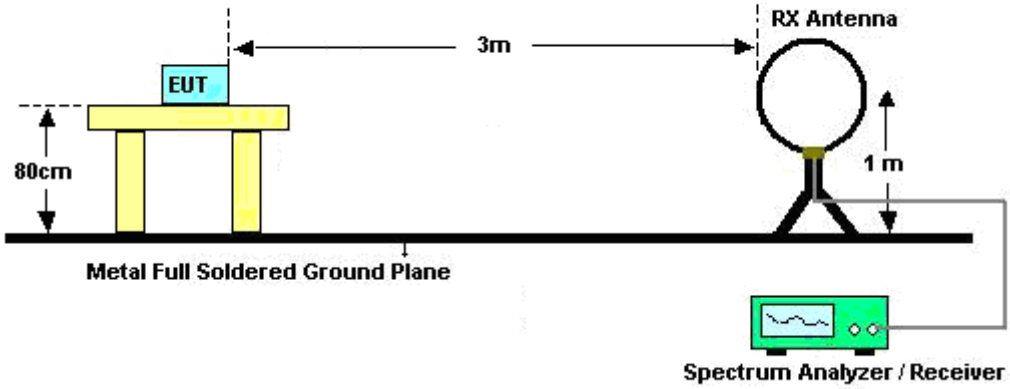
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

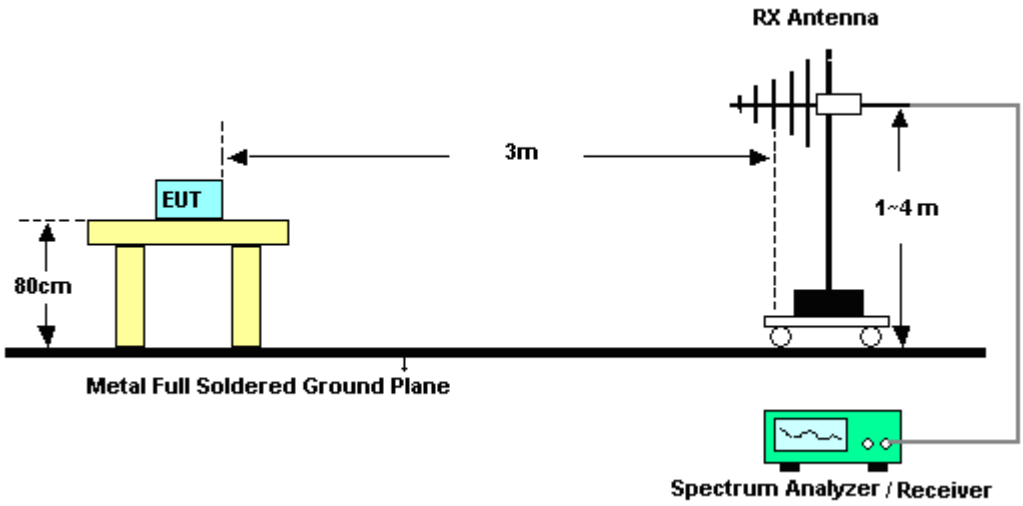
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

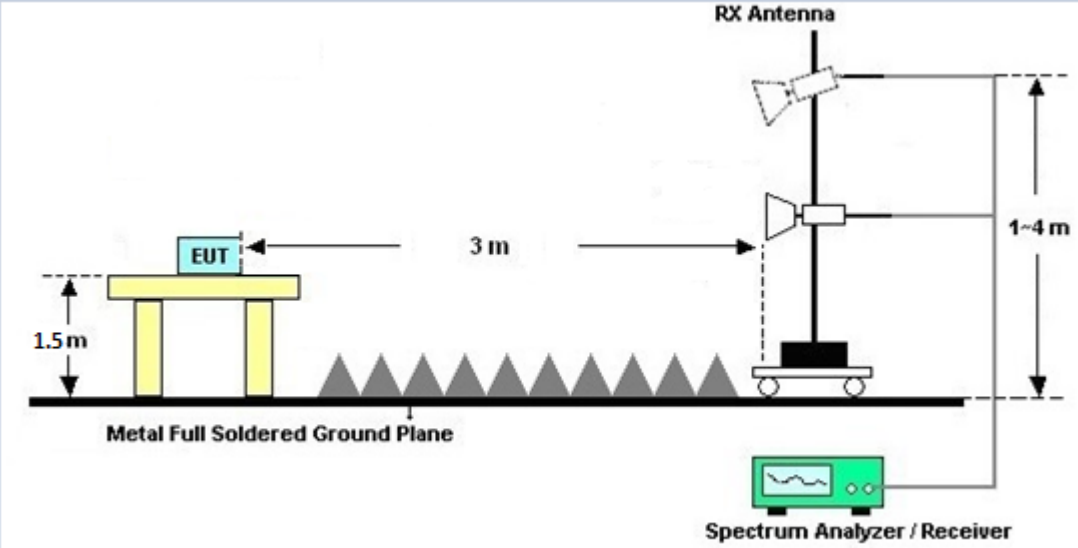
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions 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 (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

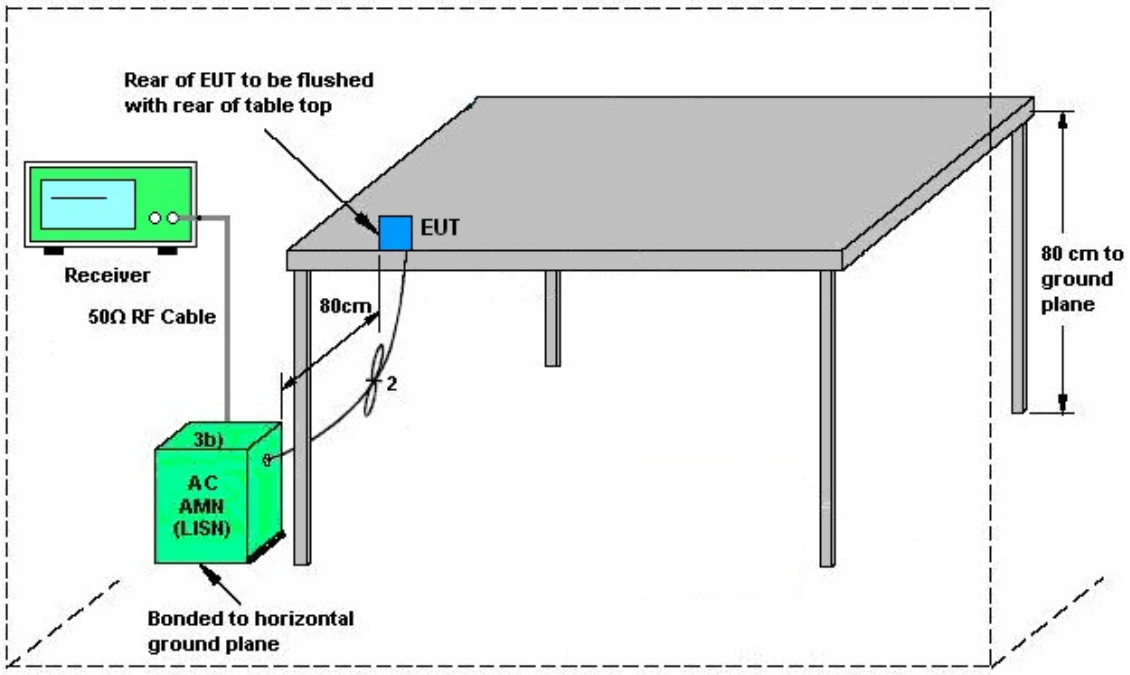
3.5.2 Measuring Instruments

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



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

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	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Jul. 17, 2020~ Aug. 03, 2020	Jan. 08, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&0080 0N1D01N-06	41912&05	30MHz to 1GHz	Feb. 09, 2020	Jul. 17, 2020~ Aug. 03, 2020	Feb. 08, 2021	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2019	Jul. 17, 2020~ Aug. 03, 2020	Dec. 26, 2020	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1620	1-18GHz	Oct. 28, 2019	Jul. 17, 2020~ Aug. 03, 2020	Oct. 27, 2020	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	17100018000 55006	1GHz~18GHz	May 07, 2020	Jul. 17, 2020~ Aug. 03, 2020	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 23, 2019	Jul. 17, 2020~ Aug. 03, 2020	Aug. 22, 2020	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Nov. 01, 2019	Jul. 17, 2020~ Aug. 03, 2020	Oct. 31, 2020	Radiation (03CH15-HY
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Jul. 17, 2020~ Aug. 03, 2020	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 17, 2020~ Aug. 03, 2020	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 17, 2020~ Aug. 03, 2020	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Jul. 17, 2020~ Aug. 03, 2020	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 14, 2020	Jul. 17, 2020~ Aug. 03, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4PE	30M-18G	Apr. 14, 2020	Jul. 17, 2020~ Aug. 03, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY37710/4	30M-18G	Apr. 17, 2020	Jul. 17, 2020~ Aug. 03, 2020	Apr. 16, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Jul. 17, 2020~ Aug. 03, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Jul. 17, 2020~ Aug. 03, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1530 -8000-40SS	SN4	1.53G Low Pass	Jul. 03, 2020	Jul. 17, 2020~ Aug. 03, 2020	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872.5-6 750-18000-40ST	SN6	6.75GHz High Pass Filter	Jul. 03, 2020	Jul. 17, 2020~ Aug. 03, 2020	Jul. 02, 2021	Radiation (03CH15-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02. 2020	Jul. 07, 2020~ Aug. 12, 2020	Mar. 01. 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 23, 2019	Jul. 07, 2020~ Aug. 12, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Dec. 30, 2019	Jul. 07, 2020~ Aug. 12, 2020	Dec. 29, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Aug. 22,2019	Jul. 07, 2020~ Aug. 12, 2020	Aug. 21,2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 11, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Aug. 11, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Aug. 11, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Aug. 11, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Aug. 11, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Aug. 11, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Aug. 11, 2020	Jan. 01, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.4**

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 Chou	Temperature:	23.7~23.9	°C
Test Date:	2020/7/7~2020/8/12	Relative Humidity:	52.6~53.4	%

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	16.60	-	26.40	-	-		22.20	-		
11a	6Mbps	1	44	5220	16.55	-	21.70	-	-		22.19	-		
11a	6Mbps	1	48	5240	16.50	-	26.20	-	-		22.17	-		
HT20	MCS0	1	36	5180	17.60	-	20.90	-	-		22.46	-		
HT20	MCS0	1	44	5220	17.55	-	22.50	-	-		22.44	-		
HT20	MCS0	1	48	5240	17.60	-	21.15	-	-		22.46	-		
HT40	MCS0	1	38	5190	36.30	-	41.04	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.20	-	40.86	-	-		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	9.70	-		24.00	-	3.24	-		Pass
11a	6Mbps	1	44	5220	11.20	-		24.00	-	3.24	-		Pass
11a	6Mbps	1	48	5240	10.80	-		24.00	-	3.24	-		Pass
HT20	MCS0	1	36	5180	9.80	-		24.00	-	3.24	-		Pass
HT20	MCS0	1	44	5220	10.30	-		24.00	-	3.24	-		Pass
HT20	MCS0	1	48	5240	9.90	-		24.00	-	3.24	-		Pass
HT40	MCS0	1	38	5190	8.60	-		24.00	-	3.24	-		Pass
HT40	MCS0	1	46	5230	10.20	-		24.00	-	3.24	-		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	1.42	-		11.00	-	3.24	-		Pass
11a	6Mbps	1	44	5220	1.78	-		11.00	-	3.24	-		Pass
11a	6Mbps	1	48	5240	1.87	-		11.00	-	3.24	-		Pass
HT20	MCS0	1	36	5180	0.51	-		11.00	-	3.24	-		Pass
HT20	MCS0	1	44	5220	0.81	-		11.00	-	3.24	-		Pass
HT20	MCS0	1	48	5240	0.73	-		11.00	-	3.24	-		Pass
HT40	MCS0	1	38	5190	-3.27	-		11.00	-	3.24	-		Pass
HT40	MCS0	1	46	5230	-1.61	-		11.00	-	3.24	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.60	-	28.45	-	23.20	-	29.20	-	23.98	-	
11a	6Mbps	1	60	5300	16.50	-	25.70	-	23.17	-	29.17	-	23.98	-	
11a	6Mbps	1	64	5320	16.60	-	22.45	-	23.20	-	29.20	-	23.98	-	
HT20	MCS0	1	52	5260	17.60	-	21.00	-	23.46	-	29.46	-	23.98	-	
HT20	MCS0	1	60	5300	17.55	-	21.30	-	23.44	-	29.44	-	23.98	-	
HT20	MCS0	1	64	5320	17.55	-	21.00	-	23.44	-	29.44	-	23.98	-	
HT40	MCS0	1	54	5270	36.30	-	41.04	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.20	-	40.68	-	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	10.50	-		23.98	-	3.24	-	26.99	Pass
11a	6Mbps	1	60	5300	10.70	-		23.98	-	3.24	-	26.99	Pass
11a	6Mbps	1	64	5320	10.00	-		23.98	-	3.24	-	26.99	Pass
HT20	MCS0	1	52	5260	9.60	-		23.98	-	3.24	-	26.99	Pass
HT20	MCS0	1	60	5300	9.80	-		23.98	-	3.24	-	26.99	Pass
HT20	MCS0	1	64	5320	9.20	-		23.98	-	3.24	-	26.99	Pass
HT40	MCS0	1	54	5270	9.50	-		23.98	-	3.24	-	26.99	Pass
HT40	MCS0	1	62	5310	8.70	-		23.98	-	3.24	-	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	1.51	-		11.00	-	3.24	-		Pass
11a	6Mbps	1	60	5300	0.86	-		11.00	-	3.24	-		Pass
11a	6Mbps	1	64	5320	0.88	-		11.00	-	3.24	-		Pass
HT20	MCS0	1	52	5260	0.47	-		11.00	-	3.24	-		Pass
HT20	MCS0	1	60	5300	0.23	-		11.00	-	3.24	-		Pass
HT20	MCS0	1	64	5320	-0.31	-		11.00	-	3.24	-		Pass
HT40	MCS0	1	54	5270	-1.98	-		11.00	-	3.24	-		Pass
HT40	MCS0	1	62	5310	-3.41	-		11.00	-	3.24	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.55	-	23.80	-	23.19	-	29.19	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.55	-	27.40	-	23.19	-	29.19	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.45	-	20.50	-	23.16	-	29.16	-	23.98	-	----	----
HT20	MCS0	1	100	5500	17.55	-	22.30	-	23.44	-	29.44	-	23.98	-	----	----
HT20	MCS0	1	116	5580	17.55	-	23.40	-	23.44	-	29.44	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.55	-	21.20	-	23.44	-	29.44	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.20	-	40.95	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.20	-	41.58	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.20	-	40.86	-	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	7.20	-		23.98	-	0.41	-	26.99	Pass
11a	6Mbps	1	116	5580	7.20	-		23.98	-	0.41	-	26.99	Pass
11a	6Mbps	1	140	5700	8.10	-		23.98	-	0.41	-	26.99	Pass
HT20	MCS0	1	100	5500	6.70	-		23.98	-	0.41	-	26.99	Pass
HT20	MCS0	1	116	5580	6.60	-		23.98	-	0.41	-	26.99	Pass
HT20	MCS0	1	140	5700	7.50	-		23.98	-	0.41	-	26.99	Pass
HT40	MCS0	1	102	5510	6.40	-		23.98	-	0.41	-	26.99	Pass
HT40	MCS0	1	110	5550	6.70	-		23.98	-	0.41	-	26.99	Pass
HT40	MCS0	1	134	5670	7.70	-		23.98	-	0.41	-	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	-1.35	-		11.00	-	0.41	-		Pass
11a	6Mbps	1	116	5580	-1.19	-		11.00	-	0.41	-		Pass
11a	6Mbps	1	140	5700	-0.94	-		11.00	-	0.41	-		Pass
HT20	MCS0	1	100	5500	-2.53	-		11.00	-	0.41	-		Pass
HT20	MCS0	1	116	5580	-2.51	-		11.00	-	0.41	-		Pass
HT20	MCS0	1	140	5700	-2.10	-		11.00	-	0.41	-		Pass
HT40	MCS0	1	102	5510	-5.04	-		11.00	-	0.41	-		Pass
HT40	MCS0	1	110	5550	-4.82	-		11.00	-	0.41	-		Pass
HT40	MCS0	1	134	5670	-3.99	-		11.00	-	0.41	-		Pass

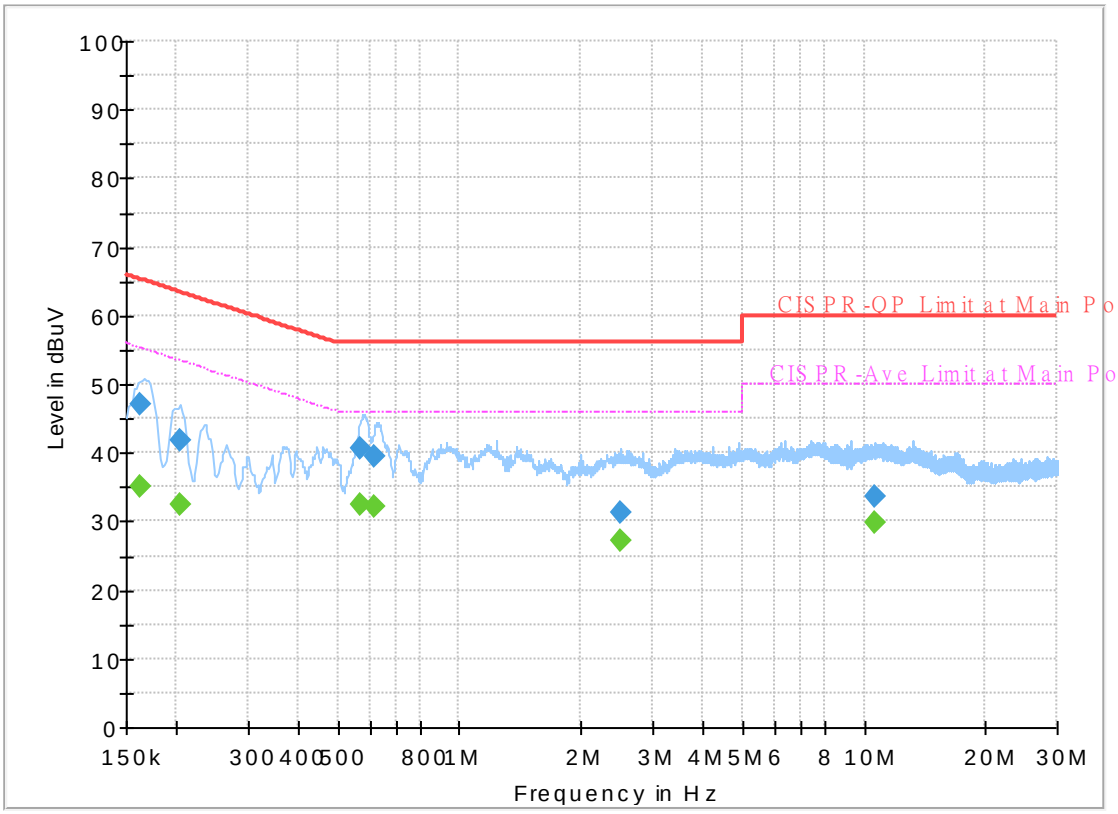
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	21~25℃
		Relative Humidity :	40~45%

EUT Information

Report NO :	692114-08
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



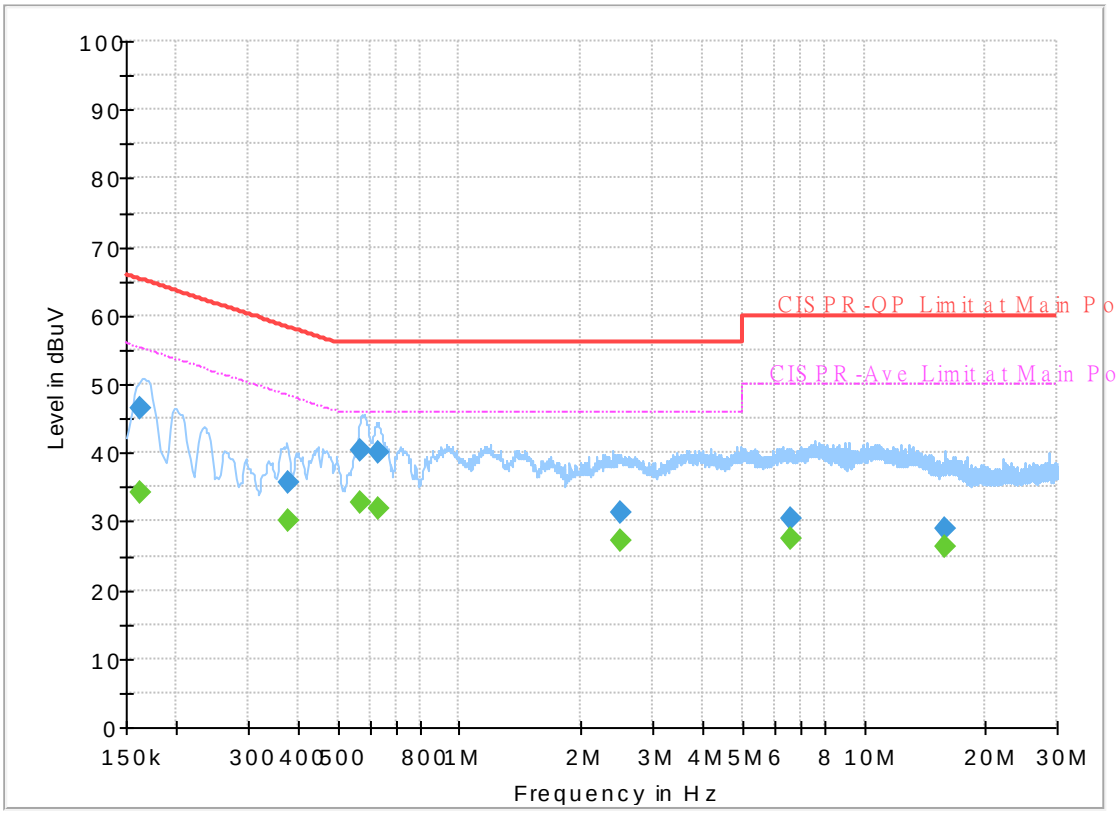
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.162780	---	35.13	55.32	20.19	L1	OFF	19.6
0.162780	47.03	---	65.32	18.29	L1	OFF	19.6
0.203100	---	32.34	53.48	21.14	L1	OFF	19.6
0.203100	41.73	---	63.48	21.75	L1	OFF	19.6
0.571380	---	32.58	46.00	13.42	L1	OFF	19.6
0.571380	40.65	---	56.00	15.35	L1	OFF	19.6
0.618000	---	32.17	46.00	13.83	L1	OFF	19.6
0.618000	39.57	---	56.00	16.43	L1	OFF	19.6
2.501250	---	27.06	46.00	18.94	L1	OFF	19.6
2.501250	31.18	---	56.00	24.82	L1	OFF	19.6
10.644000	---	29.78	50.00	20.22	L1	OFF	20.1
10.644000	33.50	---	60.00	26.50	L1	OFF	20.1

EUT Information

Report NO :	692114-08
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)
0.161970	---	34.20	55.36	21.16	N	OFF	19.5
0.161970	46.42	---	65.36	18.94	N	OFF	19.5
0.375900	---	30.02	48.37	18.35	N	OFF	19.5
0.375900	35.54	---	58.37	22.83	N	OFF	19.5
0.570120	---	32.71	46.00	13.29	N	OFF	19.5
0.570120	40.46	---	56.00	15.54	N	OFF	19.5
0.629520	---	31.93	46.00	14.07	N	OFF	19.5
0.629520	39.98	---	56.00	16.02	N	OFF	19.5
2.505750	---	27.19	46.00	18.81	N	OFF	19.6
2.505750	31.30	---	56.00	24.70	N	OFF	19.6
6.605610	---	27.46	50.00	22.54	N	OFF	19.7
6.605610	30.35	---	60.00	29.65	N	OFF	19.7
15.917640	---	26.22	50.00	23.78	N	OFF	19.9
15.917640	28.82	---	60.00	31.18	N	OFF	19.9

Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	52~61%

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		5149.5	62.31	-11.69	74	50.15	32.1	10.49	30.43	169	83	P	H
		5150	49.16	-4.84	54	37	32.1	10.49	30.43	169	83	A	H
	*	5180	106.3	-	-	94.27	31.92	10.54	30.43	169	83	P	H
	*	5180	98.5	-	-	86.47	31.92	10.54	30.43	169	83	A	H
		5149.5	66.71	-7.29	74	54.55	32.1	10.49	30.43	179	15	P	V
		5149.76	50.13	-3.87	54	37.97	32.1	10.49	30.43	179	15	A	V
	*	5180	107.97	-	-	95.94	31.92	10.54	30.43	179	15	P	V
	*	5180	99.61	-	-	87.58	31.92	10.54	30.43	179	15	A	V
802.11a CH 44 5220MHz		5148.98	54.31	-19.69	74	42.15	32.1	10.49	30.43	182	308	P	H
		5149.24	44.75	-9.25	54	32.59	32.1	10.49	30.43	182	308	A	H
	*	5220	110.47	-	-	98.64	31.68	10.58	30.43	182	308	P	H
	*	5220	100.27	-	-	88.44	31.68	10.58	30.43	182	308	A	H
		5356.96	53.39	-20.61	74	41.74	31.44	10.64	30.43	182	308	P	H
		5457.76	43.75	-10.25	54	31.7	31.75	10.73	30.43	182	308	A	H
		5149.5	55.35	-18.65	74	43.19	32.1	10.49	30.43	202	18	P	V
		5149.24	44.74	-9.26	54	32.58	32.1	10.49	30.43	202	18	A	V
	*	5220	109.96	-	-	98.13	31.68	10.58	30.43	202	18	P	V
	*	5220	101.26	-	-	89.43	31.68	10.58	30.43	202	18	A	V
		5396.44	54.33	-19.67	74	42.42	31.68	10.66	30.43	202	18	P	V
		5458.6	43.68	-10.32	54	31.63	31.75	10.73	30.43	202	18	A	V

802.11a CH 48 5240MHz		5035.36	53.96	-20.04	74	42.22	31.84	10.33	30.43	155	78	P	H
		5149.5	44.38	-9.62	54	32.22	32.1	10.49	30.43	155	78	A	H
	*	5240	107.39	-	-	95.67	31.56	10.59	30.43	155	78	P	H
	*	5240	99.67	-	-	87.95	31.56	10.59	30.43	155	78	A	H
		5427.8	53.68	-20.32	74	41.72	31.7	10.69	30.43	155	78	P	H
		5396.44	43.77	-10.23	54	31.86	31.68	10.66	30.43	155	78	A	H
		5114.66	54.49	-19.51	74	42.45	32.03	10.44	30.43	207	334	P	V
		5145.6	44.42	-9.58	54	32.27	32.09	10.49	30.43	207	334	A	V
	*	5240	108.7	-	-	96.98	31.56	10.59	30.43	207	334	P	V
	*	5240	100.56	-	-	88.84	31.56	10.59	30.43	207	334	A	V
		5416.32	53.23	-20.77	74	41.28	31.7	10.68	30.43	207	334	P	V
		5431.16	43.87	-10.13	54	31.9	31.7	10.7	30.43	207	334	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (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	48.84	-19.36	68.2	55.43	39.9	14.41	60.9	100	0	P	H
		15540	53.43	-20.57	74	60.86	38	17.28	62.71	300	78	P	H
		15540	43.85	-10.15	54	51.28	38	17.28	62.71	300	78	A	H
													H
		10360	50.17	-18.03	68.2	56.76	39.9	14.41	60.9	100	0	P	V
		15540	53.74	-20.26	74	61.17	38	17.28	62.71	301	77	P	V
		15540	43.42	-10.58	54	50.85	38	17.28	62.71	301	77	A	V
													V
802.11a CH 44 5220MHz		10440	48	-20.2	68.2	54.51	40.1	14.41	61.02	100	0	P	H
		15660	49.97	-24.03	74	57.18	37.58	17.34	62.13	100	0	P	H
													H
													H
		10440	48.7	-19.5	68.2	55.21	40.1	14.41	61.02	100	0	P	V
		15660	49.14	-24.86	74	56.35	37.58	17.34	62.13	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	47.13	-21.07	68.2	53.69	40.1	14.41	61.07	100	0	P	H
		15720	49.88	-24.12	74	56.89	37.46	17.37	61.84	100	0	P	H
													H
													H
		10480	48.04	-20.16	68.2	54.6	40.1	14.41	61.07	100	0	P	V
		15720	48.36	-25.64	74	55.37	37.46	17.37	61.84	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)
		5149.76	66.99	-7.01	74	54.83	32.1	10.49	30.43	160	77	P	H
		5150	49.19	-4.81	54	37.03	32.1	10.49	30.43	160	77	A	H
	*	5180	106	-	-	93.97	31.92	10.54	30.43	160	77	P	H
	*	5180	98.44	-	-	86.41	31.92	10.54	30.43	160	77	A	H
802.11n													H
HT20													H
CH 36		5150	66.37	-7.63	74	54.21	32.1	10.49	30.43	200	336	P	V
5180MHz		5150	50.47	-3.53	54	38.31	32.1	10.49	30.43	200	336	A	V
	*	5180	107.9	-	-	95.87	31.92	10.54	30.43	200	336	P	V
	*	5180	100.27	-	-	88.24	31.92	10.54	30.43	200	336	A	V
													V
													V
		5084.24	53.83	-20.17	74	41.89	31.97	10.4	30.43	162	80	P	H
		5149.5	44.37	-9.63	54	32.21	32.1	10.49	30.43	162	80	A	H
	*	5220	104.65	-	-	92.82	31.68	10.58	30.43	162	80	P	H
	*	5220	97.41	-	-	85.58	31.68	10.58	30.43	162	80	A	H
802.11n		5351.64	53.39	-20.61	74	41.77	31.41	10.64	30.43	162	80	P	H
HT20		5381.6	43.55	-10.45	54	31.74	31.59	10.65	30.43	162	80	A	H
CH 44		5148.2	56.44	-17.56	74	44.28	32.1	10.49	30.43	200	18	P	V
5220MHz		5149.24	44.85	-9.15	54	32.69	32.1	10.49	30.43	200	18	A	V
	*	5220	108.08	-	-	96.25	31.68	10.58	30.43	200	18	P	V
	*	5220	100.68	-	-	88.85	31.68	10.58	30.43	200	18	A	V
		5457.2	53.46	-20.54	74	41.42	31.74	10.73	30.43	200	18	P	V
		5416.88	43.63	-10.37	54	31.68	31.7	10.68	30.43	200	18	A	V

		5146.38	53.89	-20.11	74	41.74	32.09	10.49	30.43	160	77	P	H
		5147.16	44.17	-9.83	54	32.02	32.09	10.49	30.43	160	77	A	H
	*	5240	105.12	-	-	93.4	31.56	10.59	30.43	160	77	P	H
	*	5240	97.45	-	-	85.73	31.56	10.59	30.43	160	77	A	H
802.11n		5430.04	53.47	-20.53	74	41.5	31.7	10.7	30.43	160	77	P	H
HT20		5457.76	43.62	-10.38	54	31.57	31.75	10.73	30.43	160	77	A	H
CH 48		5112.32	53.99	-20.01	74	41.96	32.02	10.44	30.43	201	14	P	V
5240MHz		5144.3	44.24	-9.76	54	32.09	32.09	10.49	30.43	201	14	A	V
	*	5240	108.48	-	-	96.76	31.56	10.59	30.43	201	14	P	V
	*	5240	100.69	-	-	88.97	31.56	10.59	30.43	201	14	A	V
		5426.12	53.01	-20.99	74	41.05	31.7	10.69	30.43	201	14	P	V
		5407.08	43.81	-10.19	54	31.87	31.7	10.67	30.43	201	14	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)
		10360	47.39	-20.81	68.2	53.98	39.9	14.41	60.9	100	0	P	H
		15540	52.92	-21.08	74	60.35	38	17.28	62.71	100	0	P	H
802.11n		15540	42.43	-11.57	54	49.86	38	17.28	62.71	100	0	A	H
HT20													H
CH 36		10360	48.23	-19.97	68.2	54.82	39.9	14.41	60.9	100	0	P	V
5180MHz		15540	49.98	-24.02	74	57.41	38	17.28	62.71	100	0	P	V
													V
													V
		10440	47.42	-20.78	68.2	53.93	40.1	14.41	61.02	100	0	P	H
		15660	49.12	-24.88	74	56.33	37.58	17.34	62.13	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	49.18	-19.02	68.2	55.69	40.1	14.41	61.02	100	0	P	V
5220MHz		15660	48.43	-25.57	74	55.64	37.58	17.34	62.13	100	0	P	V
													V
													V
		10480	47.59	-20.61	68.2	54.15	40.1	14.41	61.07	100	0	P	H
		15720	49.12	-24.88	74	56.13	37.46	17.37	61.84	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	47.9	-20.3	68.2	54.46	40.1	14.41	61.07	100	0	P	V
5240MHz		15720	47.73	-26.27	74	54.74	37.46	17.37	61.84	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		5148.98	61.01	-12.99	74	48.85	32.1	10.49	30.43	150	95	P	H
		5148.2	48.02	-5.98	54	35.86	32.1	10.49	30.43	150	95	A	H
	*	5190	100.71	-	-	88.73	31.86	10.55	30.43	150	95	P	H
	*	5190	92.91	-	-	80.93	31.86	10.55	30.43	150	95	A	H
		5447.4	50.81	-23.19	74	38.82	31.7	10.72	30.43	150	95	P	H
		5448.8	42.91	-11.09	54	30.92	31.7	10.72	30.43	150	95	A	H
		5148.98	62.51	-11.49	74	50.35	32.1	10.49	30.43	175	19	P	V
		5148.98	50.61	-3.39	54	38.45	32.1	10.49	30.43	175	19	A	V
	*	5190	104.81	-	-	92.83	31.86	10.55	30.43	175	19	P	V
	*	5190	96.66	-	-	84.68	31.86	10.55	30.43	175	19	A	V
		5432.56	51.77	-22.23	74	39.8	31.7	10.7	30.43	175	19	P	V
		5396.44	42.76	-11.24	54	30.85	31.68	10.66	30.43	175	19	A	V
802.11n HT40 CH 46 5230MHz		5138.58	53.22	-20.78	74	41.09	32.08	10.48	30.43	148	86	P	H
		5150	44.35	-9.65	54	32.19	32.1	10.49	30.43	148	86	A	H
	*	5230	101.36	-	-	89.59	31.62	10.58	30.43	148	86	P	H
	*	5230	94.21	-	-	82.44	31.62	10.58	30.43	148	86	A	H
		5423.04	51.62	-22.38	74	39.66	31.7	10.69	30.43	148	86	P	H
		5432	42.82	-11.18	54	30.85	31.7	10.7	30.43	148	86	A	H
		5147.94	54.95	-19.05	74	42.79	32.1	10.49	30.43	190	19	P	V
		5149.76	45.83	-8.17	54	33.67	32.1	10.49	30.43	190	19	A	V
	*	5230	106.79	-	-	95.02	31.62	10.58	30.43	190	19	P	V
	*	5230	97.9	-	-	86.13	31.62	10.58	30.43	190	19	A	V
		5350	51.36	-22.64	74	39.75	31.4	10.64	30.43	190	19	P	V
		5392.8	43.01	-10.99	54	31.12	31.66	10.66	30.43	190	19	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)
		10380	47.07	-21.13	68.2	53.59	40	14.41	60.93	100	0	P	H
		15570	47.79	-26.21	74	55.21	37.85	17.29	62.56	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	47.91	-20.29	68.2	54.43	40	14.41	60.93	100	0	P	V
5190MHz		15570	46.99	-27.01	74	54.41	37.85	17.29	62.56	100	0	P	V
													V
													V
		10460	47.53	-20.67	68.2	54.06	40.1	14.41	61.04	100	0	P	H
		15690	49.28	-24.72	74	56.4	37.52	17.35	61.99	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	47.51	-20.69	68.2	54.04	40.1	14.41	61.04	100	0	P	V
5230MHz		15690	47.43	-26.57	74	54.55	37.52	17.35	61.99	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		5130.22	51.36	-22.64	74	39.26	32.06	10.47	30.43	229	85	P	H
		5139.4	42.42	-11.58	54	30.29	32.08	10.48	30.43	229	85	A	H
	*	5260	104.78	-	-	93.13	31.48	10.6	30.43	229	85	P	H
	*	5260	96.09	-	-	84.44	31.48	10.6	30.43	229	85	A	H
		5430.72	52.56	-21.44	74	40.59	31.7	10.7	30.43	229	85	P	H
		5458.56	42.23	-11.77	54	30.18	31.75	10.73	30.43	229	85	A	H
		5140.76	52.13	-21.87	74	40	32.08	10.48	30.43	185	19	P	V
		5145.18	42.75	-11.25	54	30.6	32.09	10.49	30.43	185	19	A	V
	*	5260	108.28	-	-	96.63	31.48	10.6	30.43	185	19	P	V
	*	5260	100.83	-	-	89.18	31.48	10.6	30.43	185	19	A	V
		5357.04	52.03	-21.97	74	40.38	31.44	10.64	30.43	185	19	P	V
		5453.76	42.2	-11.8	54	30.19	31.72	10.72	30.43	185	19	A	V
802.11a CH 60 5300MHz		5119.34	51.09	-22.91	74	39.03	32.04	10.45	30.43	152	85	P	H
		5108.46	42.23	-11.77	54	30.21	32.02	10.43	30.43	152	85	A	H
	*	5300	103.76	-	-	92.18	31.4	10.61	30.43	152	85	P	H
	*	5300	95.48	-	-	83.9	31.4	10.61	30.43	152	85	P	H
		5356.32	52.69	-21.31	74	41.04	31.44	10.64	30.43	152	85	P	H
		5351.04	43.15	-10.85	54	31.53	31.41	10.64	30.43	152	85	A	H
		5107.78	51.87	-22.13	74	39.85	32.02	10.43	30.43	183	18	P	V
		5143.82	42.46	-11.54	54	30.31	32.09	10.49	30.43	183	18	A	V
	*	5300	107.29	-	-	95.71	31.4	10.61	30.43	183	18	P	V
	*	5300	99.49	-	-	87.91	31.4	10.61	30.43	183	18	A	V
		5350.32	55.83	-18.17	74	44.22	31.4	10.64	30.43	183	18	P	V
		5351.04	45.58	-8.42	54	33.96	31.41	10.64	30.43	183	18	A	V

802.11a CH 64 5320MHz	*	5320	102.36	-	-	90.77	31.4	10.62	30.43	149	84	P	H
	*	5320	94.92	-	-	83.33	31.4	10.62	30.43	149	84	A	H
		5356.96	57.99	-16.01	74	46.34	31.44	10.64	30.43	149	84	P	H
		5350.4	45.72	-8.28	54	34.11	31.4	10.64	30.43	149	84	A	H
													H
													H
	*	5320	108.27	-	-	96.68	31.4	10.62	30.43	191	19	P	V
	*	5320	99.68	-	-	88.09	31.4	10.62	30.43	191	19	A	V
		5352.48	61.51	-12.49	74	49.89	31.41	10.64	30.43	191	19	P	V
		5351.2	49.44	-4.56	54	37.82	31.41	10.64	30.43	191	19	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	47.75	-20.45	68.2	54.33	40.12	14.4	61.1	100	0	P	H
		15780	49.45	-24.55	74	56.27	37.34	17.4	61.56	100	0	P	H
													H
													H
		10520	47.95	-20.25	68.2	54.53	40.12	14.4	61.1	100	0	P	V
		15780	49.7	-24.3	74	56.52	37.34	17.4	61.56	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	48.89	-25.11	74	55.39	40.2	14.4	61.1	100	0	P	H
		15900	48.1	-25.9	74	54.82	36.8	17.46	60.98	100	0	P	H
													H
													H
		10600	49.75	-24.25	74	56.25	40.2	14.4	61.1	100	0	P	V
		15900	48.06	-25.94	74	54.78	36.8	17.46	60.98	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	48.98	-25.02	74	55.53	40.16	14.39	61.1	100	0	P	H
		15960	49.63	-24.37	74	55.91	36.92	17.49	60.69	100	0	P	H
													H
													H
		10640	50.19	-23.81	74	56.74	40.16	14.39	61.1	100	0	P	V
		15960	49.48	-24.52	74	55.76	36.92	17.49	60.69	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)
		5097.58	51.76	-22.24	74	39.77	32	10.42	30.43	166	59	P	H
		5103.7	42.24	-11.76	54	30.23	32.01	10.43	30.43	166	59	A	H
	*	5260	103.77	-	-	92.12	31.48	10.6	30.43	166	59	P	H
	*	5260	95.14	-	-	83.49	31.48	10.6	30.43	166	59	A	H
802.11n		5439.36	51.53	-22.47	74	39.55	31.7	10.71	30.43	166	59	P	H
HT20		5406.72	42.08	-11.92	54	30.14	31.7	10.67	30.43	166	59	A	H
CH 52		5070.38	51.99	-22.01	74	40.1	31.94	10.38	30.43	199	21	P	V
5260MHz		5146.54	42.77	-11.23	54	30.62	32.09	10.49	30.43	199	21	A	V
	*	5260	107.46	-	-	95.81	31.48	10.6	30.43	199	21	P	V
	*	5260	99.75	-	-	88.1	31.48	10.6	30.43	199	21	A	V
		5411.28	51.52	-22.48	74	39.58	31.7	10.67	30.43	199	21	P	V
		5453.76	42.2	-11.8	54	30.19	31.72	10.72	30.43	199	21	A	V
		5108.12	51.16	-22.84	74	39.14	32.02	10.43	30.43	100	86	P	H
		5079.22	42.16	-11.84	54	30.24	31.96	10.39	30.43	100	86	A	H
	*	5300	102.11	-	-	90.53	31.4	10.61	30.43	100	86	P	H
	*	5300	92.26	-	-	80.68	31.4	10.61	30.43	100	86	A	H
802.11n		5354.64	52.82	-21.18	74	41.18	31.43	10.64	30.43	100	86	P	H
HT20		5350.56	42.53	-11.47	54	30.92	31.4	10.64	30.43	100	86	A	H
CH 60		5123.76	51.46	-22.54	74	39.38	32.05	10.46	30.43	161	17	P	V
5300MHz		5117.64	42.1	-11.9	54	30.04	32.04	10.45	30.43	161	17	A	V
	*	5300	107.15	-	-	95.57	31.4	10.61	30.43	161	17	P	V
	*	5300	98.41	-	-	86.83	31.4	10.61	30.43	161	17	A	V
		5351.76	54.5	-19.5	74	42.88	31.41	10.64	30.43	161	17	P	V
		5351.04	43.92	-10.08	54	32.3	31.41	10.64	30.43	161	17	A	V

	*	5320	101.73	-	-	90.14	31.4	10.62	30.43	100	87	P	H
	*	5320	94.11	-	-	82.52	31.4	10.62	30.43	100	87	A	H
		5355.04	58.4	-15.6	74	46.76	31.43	10.64	30.43	100	87	P	H
		5351.04	44.49	-9.51	54	32.87	31.41	10.64	30.43	100	87	A	H
802.11n													H
HT20													H
CH 64	*	5320	105.69	-	-	94.1	31.4	10.62	30.43	174	17	P	V
5320MHz	*	5320	97.96	-	-	86.37	31.4	10.62	30.43	174	17	A	V
		5350.08	65.08	-8.92	74	53.47	31.4	10.64	30.43	174	17	P	V
		5350.24	46.96	-7.04	54	35.35	31.4	10.64	30.43	174	17	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)
		10520	47.71	-20.49	68.2	54.29	40.12	14.4	61.1	100	0	P	H
		15780	48.18	-25.82	74	55	37.34	17.4	61.56	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	48.29	-19.91	68.2	54.87	40.12	14.4	61.1	100	0	P	V
5260MHz		15780	47.31	-26.69	74	54.13	37.34	17.4	61.56	100	0	P	V
													V
													V
		10600	47.87	-26.13	74	54.37	40.2	14.4	61.1	100	0	P	H
		15900	48.52	-25.48	74	55.24	36.8	17.46	60.98	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	47.99	-26.01	74	54.49	40.2	14.4	61.1	100	0	P	V
5300MHz		15900	47.44	-26.56	74	54.16	36.8	17.46	60.98	100	0	P	V
													V
													V
		10640	48.6	-25.4	74	55.15	40.16	14.39	61.1	100	0	P	H
		15960	47.42	-26.58	74	53.7	36.92	17.49	60.69	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	49.19	-24.81	74	55.74	40.16	14.39	61.1	100	0	P	V
5320MHz		15960	48.6	-25.4	74	54.88	36.92	17.49	60.69	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		5140.08	52.7	-21.3	74	40.57	32.08	10.48	30.43	100	85	P	H
		5146.88	42.29	-11.71	54	30.14	32.09	10.49	30.43	100	85	A	H
	*	5270	101.04	-	-	89.41	31.46	10.6	30.43	100	85	P	H
	*	5270	92.99	-	-	81.36	31.46	10.6	30.43	100	85	A	H
		5351.04	51.37	-22.63	74	39.75	31.41	10.64	30.43	100	85	P	H
		5351.52	42.31	-11.69	54	30.69	31.41	10.64	30.43	100	85	A	H
		5094.18	50.59	-23.41	74	38.62	31.99	10.41	30.43	195	17	P	V
		5149.6	43.16	-10.84	54	31	32.1	10.49	30.43	195	17	A	V
	*	5270	104.58	-	-	92.95	31.46	10.6	30.43	195	17	P	V
	*	5270	95.58	-	-	83.95	31.46	10.6	30.43	195	17	A	V
		5351.28	53.23	-20.77	74	41.61	31.41	10.64	30.43	195	17	P	V
		5357.76	44.02	-9.98	54	32.36	31.45	10.64	30.43	195	17	A	V
802.11n HT40 CH 62 5310MHz		5097.24	52.45	-21.55	74	40.47	31.99	10.42	30.43	100	84	P	H
		5103.7	42.78	-11.22	54	30.77	32.01	10.43	30.43	100	84	A	H
	*	5310	98.23	-	-	86.64	31.4	10.62	30.43	100	84	P	H
	*	5310	88.98	-	-	77.39	31.4	10.62	30.43	100	84	A	H
		5350.08	58.9	-15.1	74	47.29	31.4	10.64	30.43	100	84	P	H
		5352.24	46.67	-7.33	54	35.05	31.41	10.64	30.43	100	84	A	H
		5096.56	51.04	-22.96	74	39.06	31.99	10.42	30.43	199	13	P	V
		5113.22	42.89	-11.11	54	30.85	32.03	10.44	30.43	199	13	A	V
	*	5310	105.26	-	-	93.67	31.4	10.62	30.43	199	13	P	V
	*	5310	95.93	-	-	84.34	31.4	10.62	30.43	199	13	A	V
		5350.32	63.6	-10.4	74	51.99	31.4	10.64	30.43	199	13	P	V
		5350.32	50.27	-3.73	54	38.66	31.4	10.64	30.43	199	13	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)
		10540	46.63	-21.57	68.2	53.19	40.14	14.4	61.1	100	0	P	H
		15810	45.07	-28.93	74	51.82	37.25	17.41	61.41	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	46.93	-21.27	68.2	53.49	40.14	14.4	61.1	100	0	P	V
5270MHz		15810	46.46	-27.54	74	53.21	37.25	17.41	61.41	100	0	P	V
													V
													V
		10620	47.38	-26.62	74	53.91	40.18	14.39	61.1	100	0	P	H
		15930	44.97	-29.03	74	51.47	36.86	17.48	60.84	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	47.67	-26.33	74	54.2	40.18	14.39	61.1	100	0	P	V
5310MHz		15930	45.94	-28.06	74	52.44	36.86	17.48	60.84	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		5455.28	58.91	-15.09	74	46.88	31.73	10.73	30.43	100	97	P	H
		5470	58.57	-9.63	68.2	46.44	31.82	10.74	30.43	100	97	P	H
		5457.84	43.92	-10.08	54	31.87	31.75	10.73	30.43	100	97	A	H
	*	5500	99.96	-	-	87.61	32	10.78	30.43	100	97	P	H
	*	5500	92.33	-	-	79.98	32	10.78	30.43	100	97	A	H
													H
		5454.8	58.07	-15.93	74	46.04	31.73	10.73	30.43	200	325	P	V
		5462.8	62.56	-5.64	68.2	50.47	31.78	10.74	30.43	200	325	P	V
		5460	44.98	-9.02	54	32.92	31.76	10.73	30.43	200	325	A	V
	*	5500	102.69	-	-	90.34	32	10.78	30.43	200	325	P	V
	*	5500	95.21	-	-	82.86	32	10.78	30.43	200	325	A	V
													V
802.11a CH 116 5580MHz		5397.52	52.03	-21.97	74	40.11	31.69	10.66	30.43	262	49	P	H
		5469.76	52.28	-15.92	68.2	40.15	31.82	10.74	30.43	262	49	P	H
		5428	42.28	-11.72	54	30.32	31.7	10.69	30.43	262	49	A	H
	*	5580	100.23	-	-	87.98	31.86	10.87	30.48	262	49	P	H
	*	5580	92.58	-	-	80.33	31.86	10.87	30.48	262	49	A	H
		5741.69	52.01	-16.19	68.2	39.73	32	10.86	30.58	262	49	P	H
		5388.4	51.75	-22.25	74	39.89	31.63	10.66	30.43	197	325	P	V
		5465.2	51.96	-16.24	68.2	39.86	31.79	10.74	30.43	197	325	P	V
		5411.2	42.27	-11.73	54	30.33	31.7	10.67	30.43	197	325	A	V
	*	5580	103.04	-	-	90.79	31.86	10.87	30.48	197	325	P	V
	*	5580	94.75	-	-	82.5	31.86	10.87	30.48	197	325	A	V
		5734.13	51.87	-16.33	68.2	39.58	32	10.87	30.58	197	325	P	V

802.11a CH 140 5700MHz	*	5700	104.06	-	-	91.74	32	10.87	30.55	255	54	P	H
	*	5700	95.88	-	-	83.56	32	10.87	30.55	255	54	A	H
		5725.16	62.7	-5.5	68.2	50.4	32	10.87	30.57	255	54	P	H
													H
													H
													H
	*	5700	103.49	-	-	91.17	32	10.87	30.55	208	327	P	V
	*	5700	95.71	-	-	83.39	32	10.87	30.55	208	327	A	V
		5725.16	64.46	-3.74	68.2	52.16	32	10.87	30.57	208	327	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	48.15	-25.85	74	54.28	40.6	14.37	61.1	100	0	P	H
		16500	47.94	-20.26	68.2	50.43	38.8	18.11	59.4	100	0	P	H
													H
													H
		11000	48.65	-25.35	74	54.78	40.6	14.37	61.1	100	0	P	V
		16500	50.8	-17.4	68.2	53.29	38.8	18.11	59.4	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.86	-26.14	74	54.14	40.22	14.54	61.04	100	0	P	H
		16740	49.42	-18.78	68.2	50.3	39.98	18.4	59.26	100	0	P	H
													H
													H
		11160	47.34	-26.66	74	53.62	40.22	14.54	61.04	100	0	P	V
		16740	50.35	-17.85	68.2	51.23	39.98	18.4	59.26	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.67	-26.33	74	53.52	40.3	14.79	60.94	100	0	P	H
		17100	50.51	-17.69	68.2	49.87	40.8	18.82	58.98	100	0	P	H
													H
													H
		11400	47.93	-26.07	74	53.78	40.3	14.79	60.94	100	0	P	V
		17100	50.12	-18.08	68.2	49.48	40.8	18.82	58.98	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)
		5451.44	54.2	-19.8	74	42.2	31.71	10.72	30.43	100	95	P	H
		5466.96	56.25	-11.95	68.2	44.14	31.8	10.74	30.43	100	95	P	H
		5456.88	43.44	-10.56	54	31.4	31.74	10.73	30.43	100	95	A	H
	*	5500	98.81	-	-	86.46	32	10.78	30.43	100	95	P	H
802.11n	*	5500	91.1	-	-	78.75	32	10.78	30.43	100	95	A	H
HT20													H
CH 100		5453.36	57.04	-16.96	74	45.03	31.72	10.72	30.43	201	325	P	V
5500MHz		5466.16	60.08	-8.12	68.2	47.97	31.8	10.74	30.43	201	325	P	V
		5459.76	44.33	-9.67	54	32.27	31.76	10.73	30.43	201	325	A	V
	*	5500	101.85	-	-	89.5	32	10.78	30.43	201	325	P	V
	*	5500	94.32	-	-	81.97	32	10.78	30.43	201	325	A	V
													V
		5374.24	52.46	-21.54	74	40.69	31.55	10.65	30.43	100	35	P	H
		5467.84	52.11	-16.09	68.2	39.99	31.81	10.74	30.43	100	35	P	H
		5435.68	42.13	-11.87	54	30.16	31.7	10.7	30.43	100	35	A	H
	*	5580	99.64	-	-	87.39	31.86	10.87	30.48	100	35	P	H
802.11n	*	5580	91.36	-	-	79.11	31.86	10.87	30.48	100	35	A	H
HT20		5726.255	51.92	-16.28	68.2	39.62	32	10.87	30.57	100	35	P	H
CH 116		5395.36	52.68	-21.32	74	40.78	31.67	10.66	30.43	200	325	P	V
5580MHz		5468.8	51.5	-16.7	68.2	39.38	31.81	10.74	30.43	200	325	P	V
		5422.48	42.23	-11.77	54	30.27	31.7	10.69	30.43	200	325	A	V
	*	5580	101.43	-	-	89.18	31.86	10.87	30.48	200	325	P	V
	*	5580	93.74	-	-	81.49	31.86	10.87	30.48	200	325	A	V
		5735.705	51.54	-16.66	68.2	39.25	32	10.87	30.58	200	325	P	V

	*	5700	106.14	-	-	93.82	32	10.87	30.55	253	49	P	H
	*	5700	97.53	-	-	85.21	32	10.87	30.55	253	49	A	H
		5725.96	64.21	-3.99	68.2	51.91	32	10.87	30.57	253	49	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	105.12	-	-	92.8	32	10.87	30.55	280	327	P	V
5700MHz	*	5700	97.13	-	-	84.81	32	10.87	30.55	280	327	A	V
		5725.48	63.49	-4.71	68.2	51.19	32	10.87	30.57	280	327	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)
		11000	48.91	-25.09	74	55.04	40.6	14.37	61.1	100	0	P	H
		16500	48.16	-20.04	68.2	50.65	38.8	18.11	59.4	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	48.72	-25.28	74	54.85	40.6	14.37	61.1	100	0	P	V
5500MHz		16500	47.98	-20.22	68.2	50.47	38.8	18.11	59.4	100	0	P	V
													V
													V
		11160	47.14	-26.86	74	53.42	40.22	14.54	61.04	100	0	P	H
		16740	49.81	-18.39	68.2	50.69	39.98	18.4	59.26	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	47.02	-26.98	74	53.3	40.22	14.54	61.04	100	0	P	V
5580MHz		16740	48.75	-19.45	68.2	49.63	39.98	18.4	59.26	100	0	P	V
													V
													V
		11400	46.44	-27.56	74	52.29	40.3	14.79	60.94	100	0	P	H
		17100	50.35	-17.85	68.2	49.71	40.8	18.82	58.98	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	46.12	-27.88	74	51.97	40.3	14.79	60.94	100	0	P	V
5700MHz		17100	50.37	-17.83	68.2	49.73	40.8	18.82	58.98	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)
		5459.35	53.55	-20.45	74	41.49	31.76	10.73	30.43	100	39	P	H
		5468.8	57.03	-11.17	68.2	44.91	31.81	10.74	30.43	100	39	P	H
		5459.89	45.13	-8.87	54	33.07	31.76	10.73	30.43	100	39	A	H
	*	5510	99.13	-	-	86.82	31.96	10.79	30.44	100	39	P	H
802.11n	*	5510	91.76	-	-	79.45	31.96	10.79	30.44	100	39	A	H
HT40		5756.81	52.98	-15.22	68.2	40.68	32.03	10.86	30.59	100	39	P	H
CH 102		5457.73	53.6	-20.4	74	41.55	31.75	10.73	30.43	196	331	P	V
5510MHz		5466.64	57.25	-10.95	68.2	45.14	31.8	10.74	30.43	196	331	P	V
		5459.62	45.2	-8.8	54	33.14	31.76	10.73	30.43	196	331	A	V
	*	5510	99.12	-	-	86.81	31.96	10.79	30.44	196	331	P	V
	*	5510	91.53	-	-	79.22	31.96	10.79	30.44	196	331	A	V
		5737.91	52.88	-15.32	68.2	40.59	32	10.87	30.58	196	331	P	V
		5350.81	53.11	-20.89	74	41.5	31.4	10.64	30.43	100	344	P	V
		5468.53	53.38	-14.82	68.2	41.26	31.81	10.74	30.43	100	344	P	V
		5452.33	44.46	-9.54	54	32.46	31.71	10.72	30.43	100	344	A	V
	*	5550	99.65	-	-	87.47	31.8	10.84	30.46	100	344	P	V
802.11n	*	5550	91.21	-	-	79.03	31.8	10.84	30.46	100	344	A	V
HT40		5743.58	52.25	-15.95	68.2	39.97	32	10.86	30.58	100	344	P	V
CH 110		5440.18	52.57	-21.43	74	40.59	31.7	10.71	30.43	193	63	P	H
5550MHz		5467.99	51.64	-16.56	68.2	39.52	31.81	10.74	30.43	193	63	P	H
		5436.13	44.35	-9.65	54	32.38	31.7	10.7	30.43	193	63	A	H
	*	5550	99.43	-	-	87.25	31.8	10.84	30.46	193	63	P	H
	*	5550	91.56	-	-	79.38	31.8	10.84	30.46	193	63	A	H
		5761.535	52.37	-15.83	68.2	40.05	32.05	10.86	30.59	193	63	P	H

		5407.72	52.73	-21.27	74	40.79	31.7	10.67	30.43	258	55	P	H
		5467.29	51.39	-16.81	68.2	39.28	31.8	10.74	30.43	258	55	P	H
		5422.89	44.15	-9.85	54	32.19	31.7	10.69	30.43	258	55	A	H
	*	5670	103.13	-	-	90.91	31.88	10.88	30.54	258	55	P	H
802.11n	*	5670	95.13	-	-	82.91	31.88	10.88	30.54	258	55	A	H
HT40		5730.7	61.52	-6.68	68.2	49.22	32	10.87	30.57	258	55	P	H
CH 134		5428.44	52.14	-21.86	74	40.18	31.7	10.69	30.43	285	327	P	V
5670MHz		5463.96	51.41	-16.79	68.2	39.32	31.78	10.74	30.43	285	327	P	V
		5431.03	44.1	-9.9	54	32.13	31.7	10.7	30.43	285	327	A	V
	*	5670	101.55	-	-	89.33	31.88	10.88	30.54	285	327	P	V
	*	5670	94.22	-	-	82	31.88	10.88	30.54	285	327	A	V
		5731.05	57.98	-10.22	68.2	45.68	32	10.87	30.57	285	327	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)
		11020	47.52	-26.48	74	53.66	40.56	14.39	61.09	100	0	P	H
		16530	47.86	-20.34	68.2	50.27	38.83	18.14	59.38	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	48.67	-25.33	74	54.81	40.56	14.39	61.09	100	0	P	V
5510MHz		16530	47.83	-20.37	68.2	50.24	38.83	18.14	59.38	100	0	P	V
													V
													V
		11100	48.17	-25.83	74	54.36	40.4	14.47	61.06	100	0	P	H
		16650	48.17	-20.03	68.2	49.89	39.3	18.29	59.31	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	48.51	-25.49	74	54.7	40.4	14.47	61.06	100	0	P	V
5550MHz		16650	47.95	-20.25	68.2	49.67	39.3	18.29	59.31	100	0	P	V
													V
													V
		11340	46.58	-27.42	74	52.63	40.18	14.73	60.96	100	0	P	H
		17010	49.86	-18.34	68.2	49.6	40.62	18.73	59.09	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	47.36	-26.64	74	53.41	40.18	14.73	60.96	100	0	P	V
5670MHz		17010	51.8	-16.4	68.2	51.54	40.62	18.73	59.09	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		31.94	20.48	-19.52	40	30.24	21.84	0.73	32.33	-	-	P	H
		70.74	20.94	-19.06	40	39.8	12.64	1.1	32.6	-	-	P	H
		152.22	20.12	-23.38	43.5	33.74	17.13	1.71	32.46	-	-	P	H
		176.47	19.49	-24.01	43.5	34.62	15.39	1.87	32.39	-	-	P	H
		268.62	21.51	-24.49	46	32.61	19.04	2.31	32.45	-	-	P	H
		903	38.56	-7.44	46	37.56	28.6	4.31	31.91	100	0	P	H
													H
													H
													H
													H
													H
													H
		49.4	26.23	-13.77	40	42.7	15	0.91	32.38	-	-	P	V
		111.48	22.89	-20.61	43.5	36.62	17.18	1.45	32.36	-	-	P	V
		181.32	20.04	-23.46	43.5	35.35	15.17	1.9	32.38	-	-	P	V
		330.7	20.98	-25.02	46	31.28	19.68	2.49	32.47	-	-	P	V
		828.31	32.94	-13.06	46	32.76	27.99	4.06	31.87	-	-	P	V
		903	37.91	-8.09	46	36.91	28.6	4.31	31.91	100	0	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

*	**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 CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		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

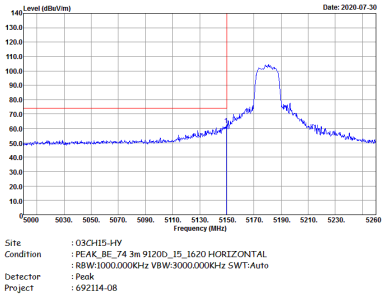
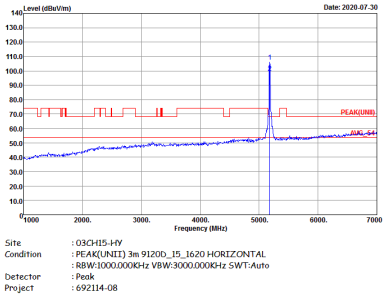
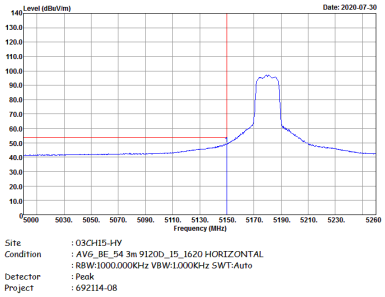
Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	**Temperature :**	22.1~23.1°C
		Relative Humidity :	52~61%

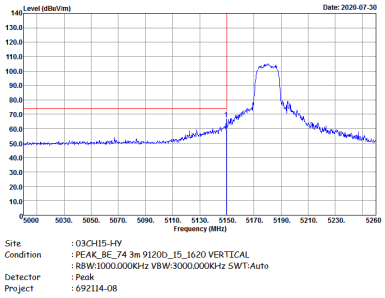
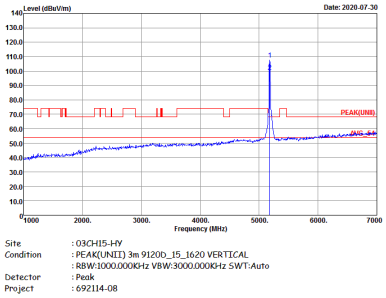
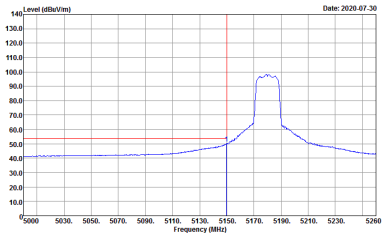
Note symbol

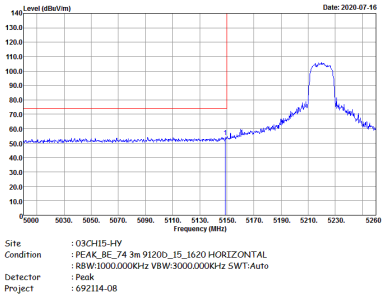
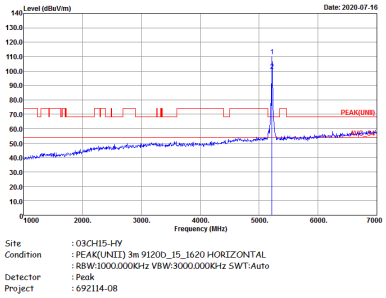
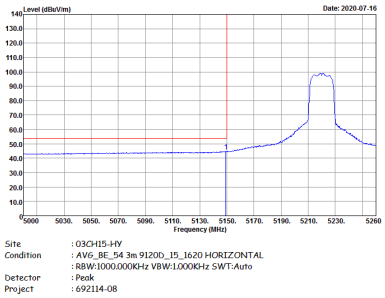
-L	**Low channel location**
-R	**High channel location**

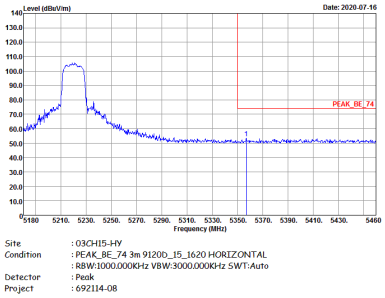
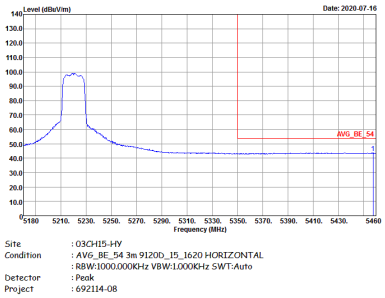
Band 1 - 5150~5250MHz

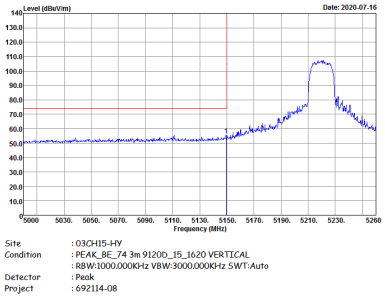
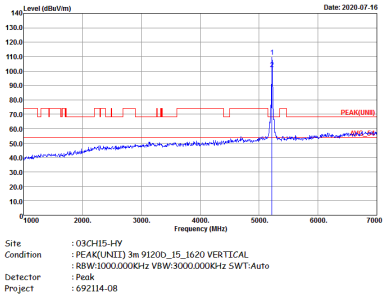
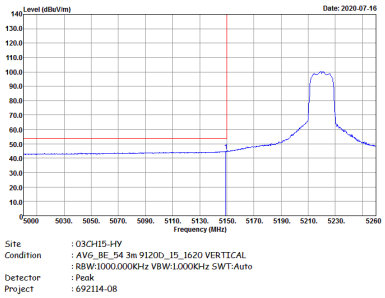
WIFI 802.11a (Band Edge @ 3m)

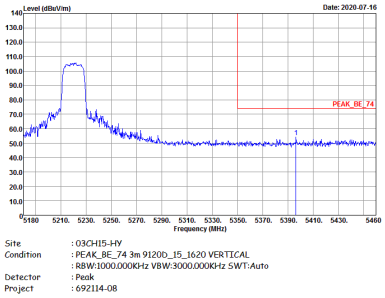
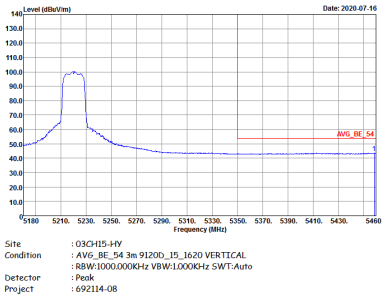
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

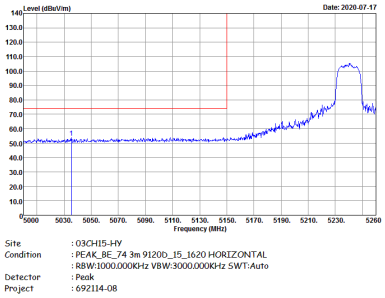
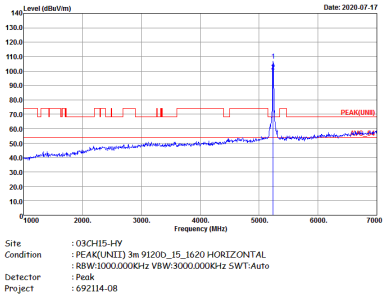
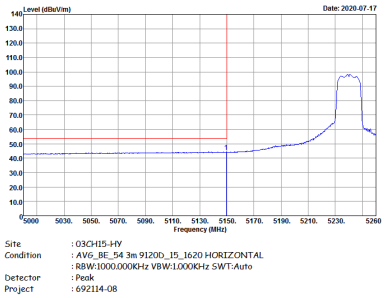
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 692114-08	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 692114-08
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 692114-08	Left blank

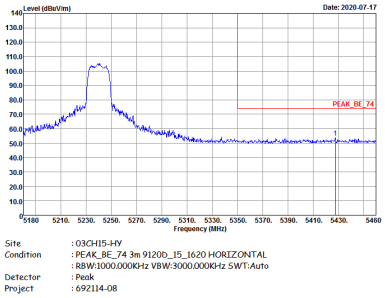
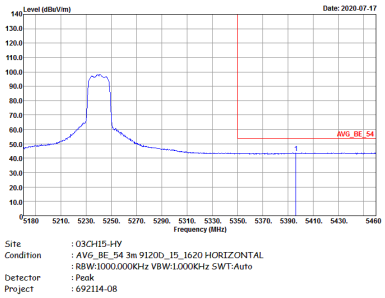
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

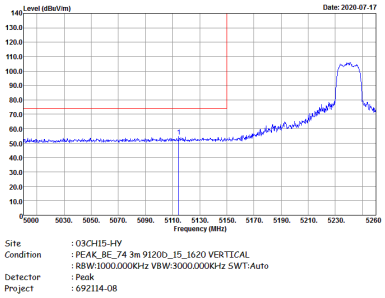
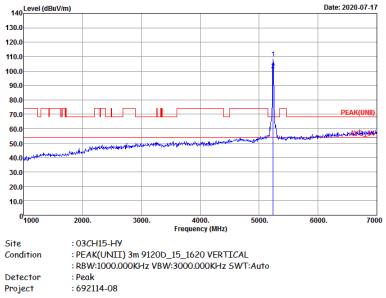
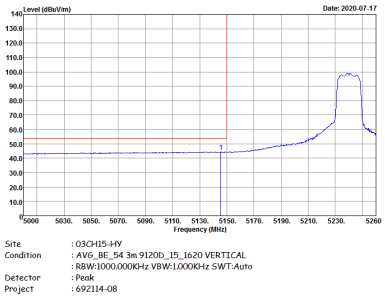
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

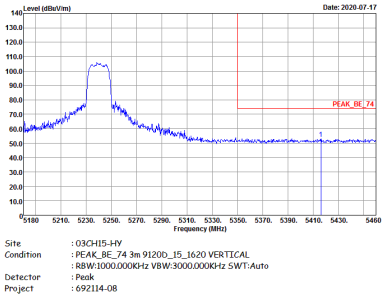
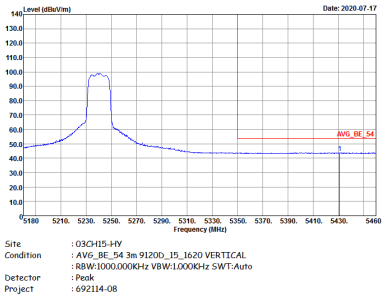
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

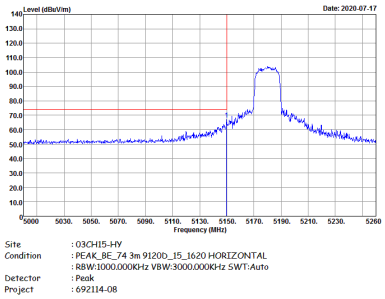
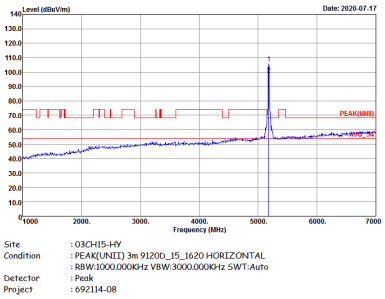
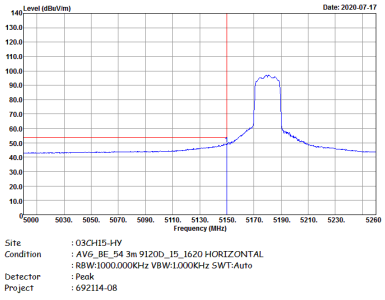
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

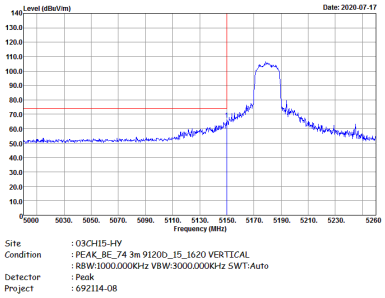
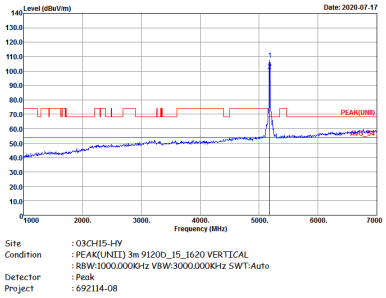
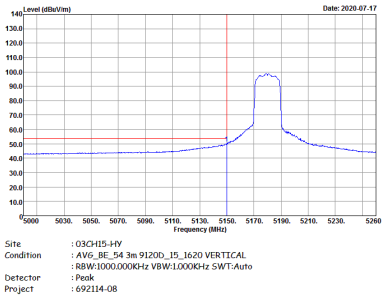
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

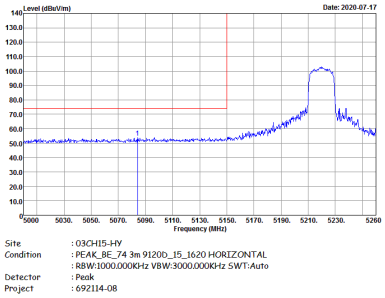
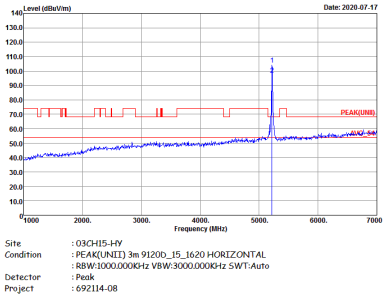
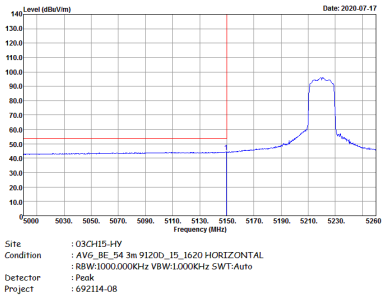
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

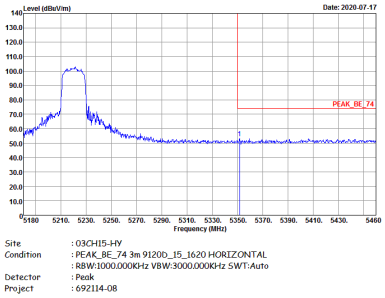
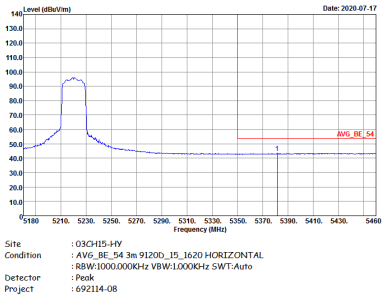
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

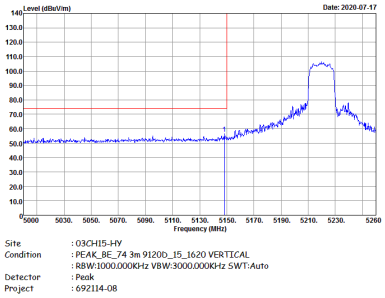
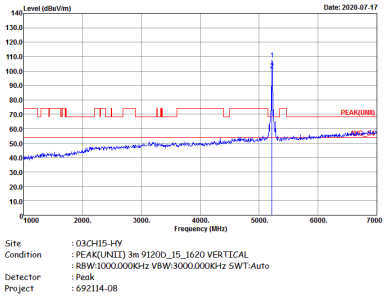
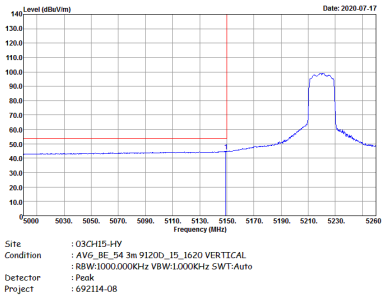
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

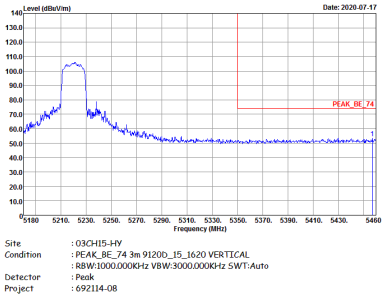
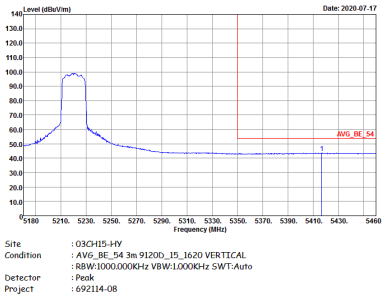
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

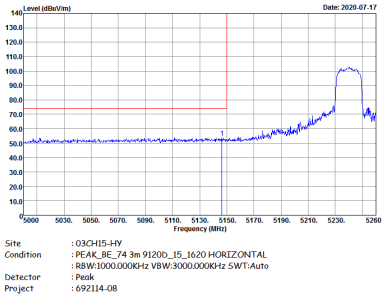
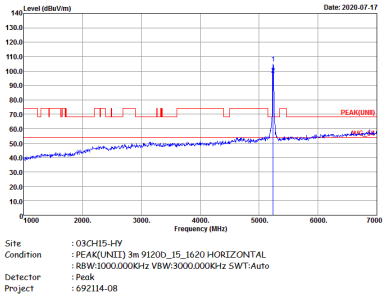
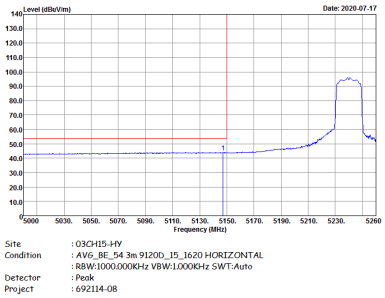
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

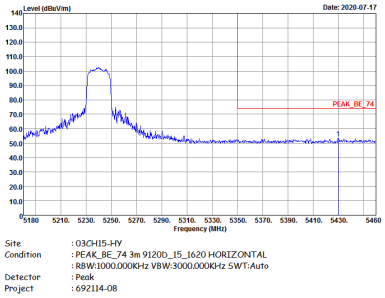
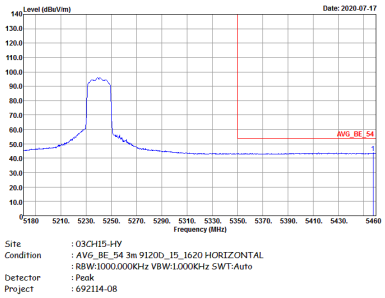
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

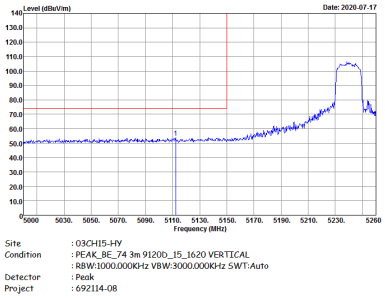
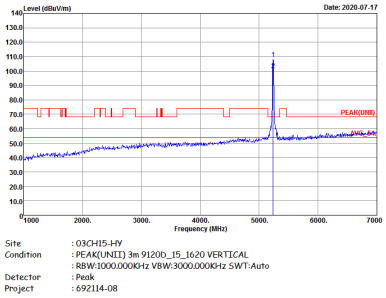
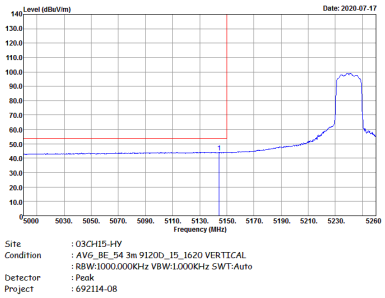
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

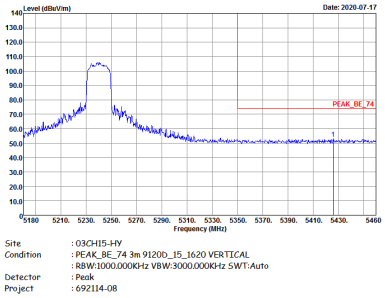
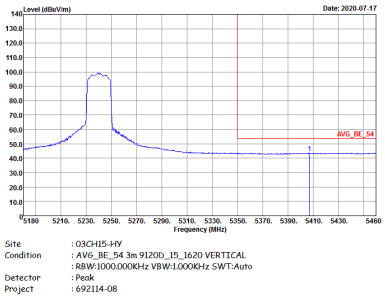
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

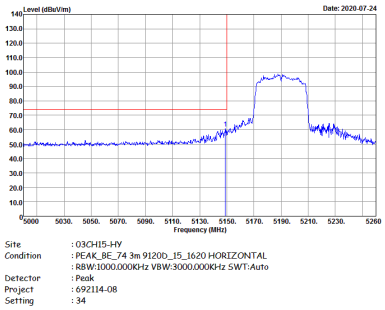
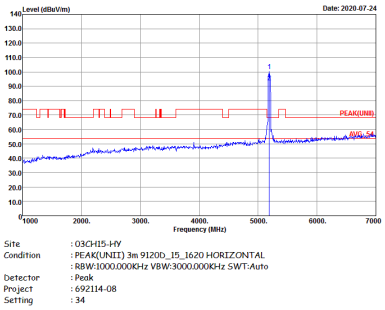
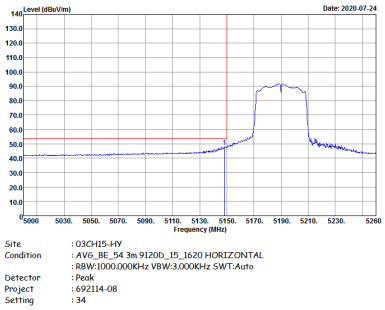
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

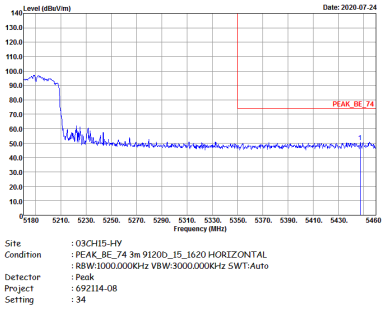
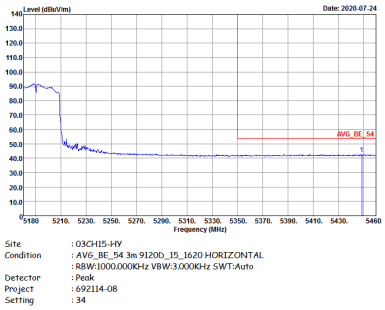
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

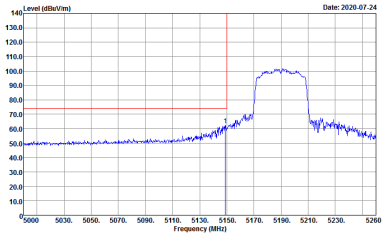
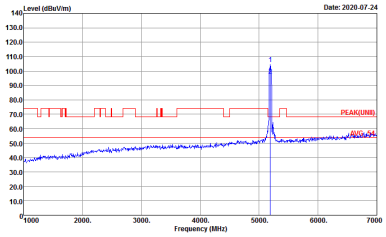
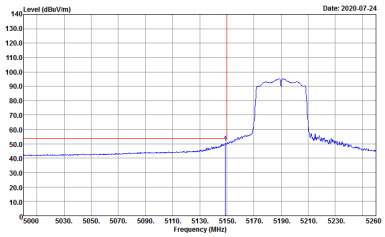
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

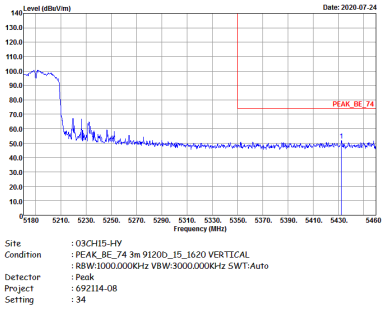
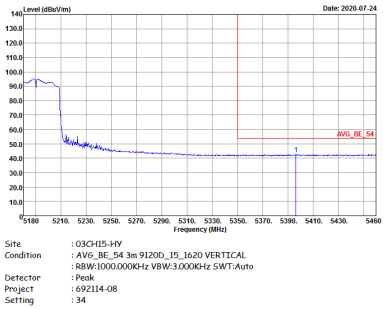
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

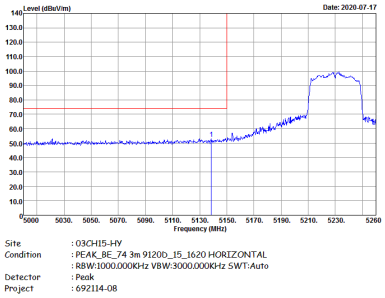
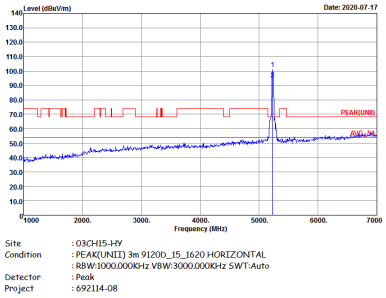
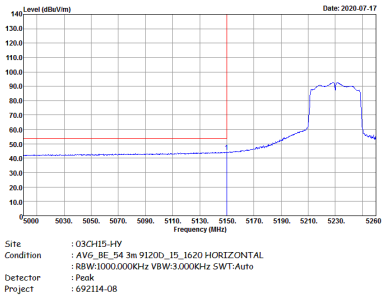
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

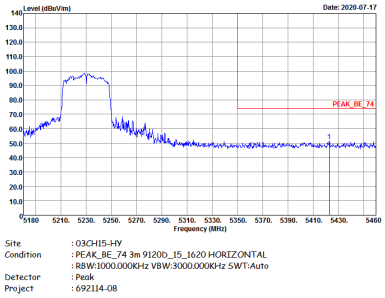
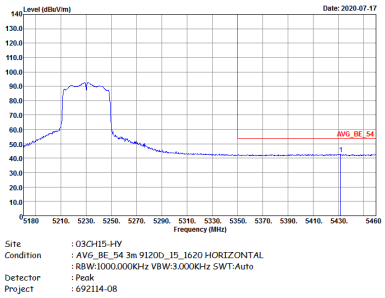
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

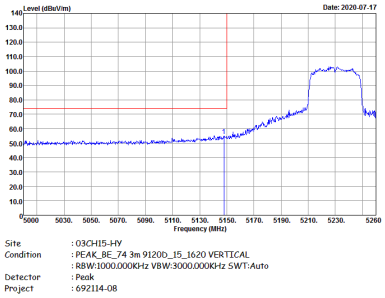
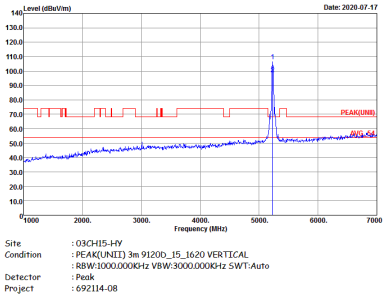
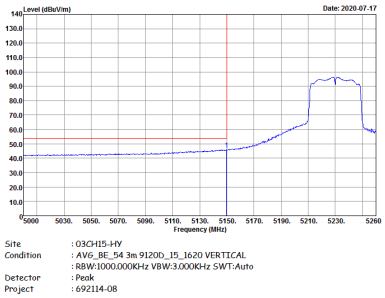
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

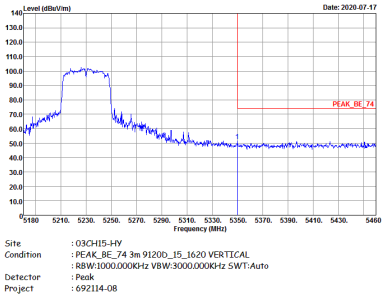
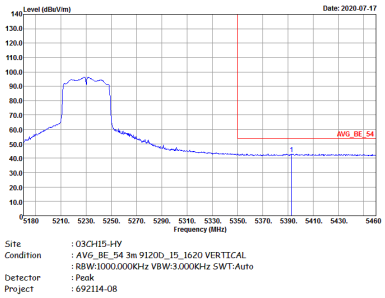
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 692114-08 Setting : 34	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 692114-08 Setting : 34
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 692114-08 Setting : 34	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

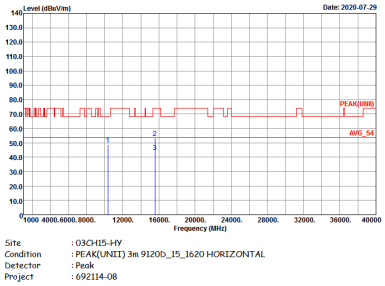
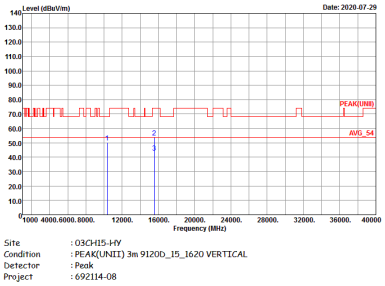
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

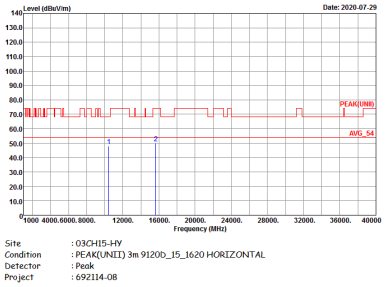
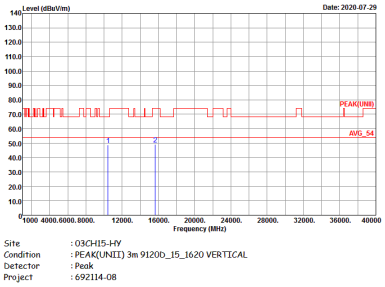
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

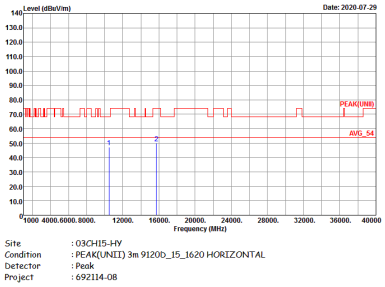
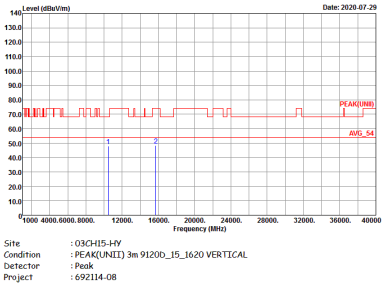
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

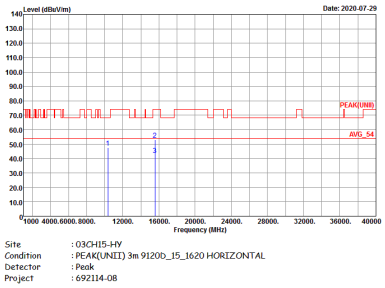
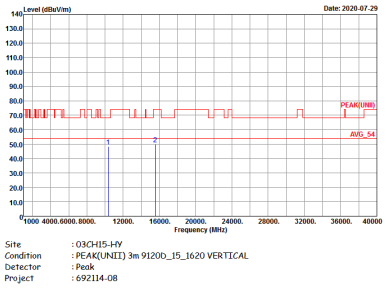
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

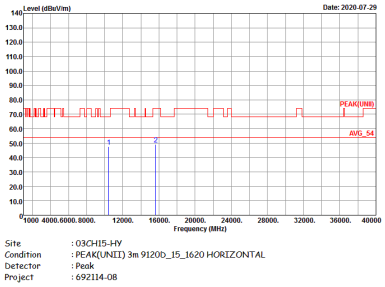
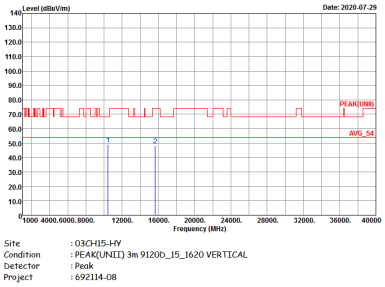
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

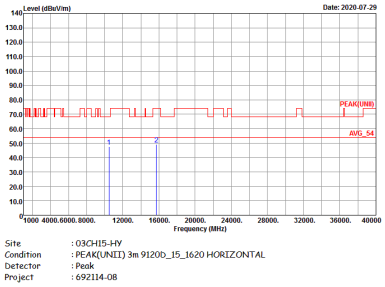
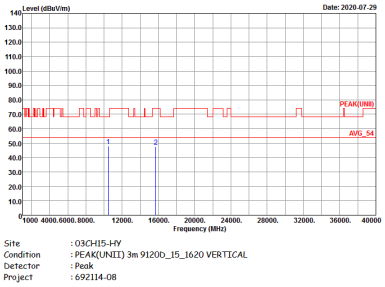
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

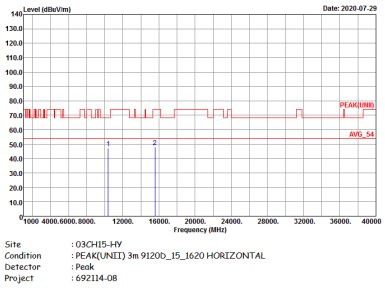
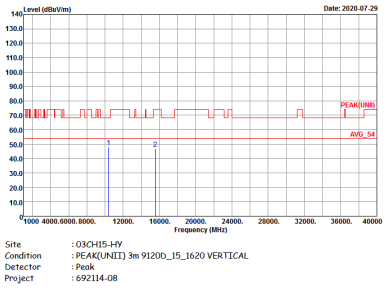
WIFI 802.11n HT20 (Harmonic @ 3m)

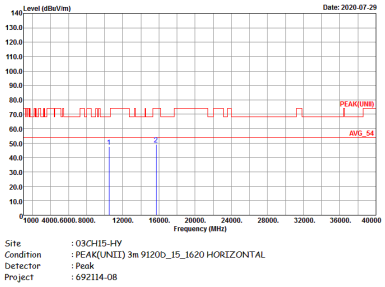
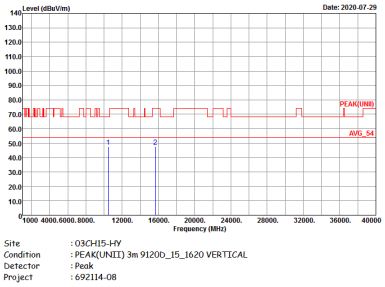
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 	

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

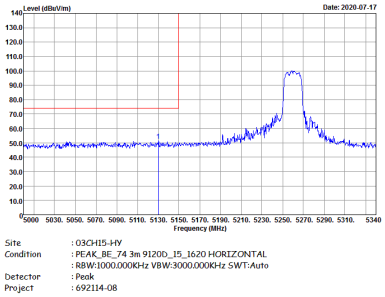
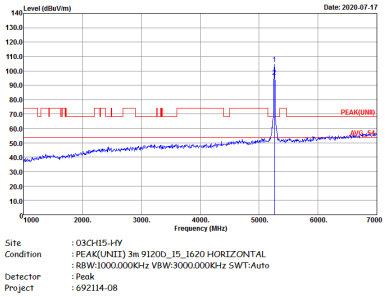
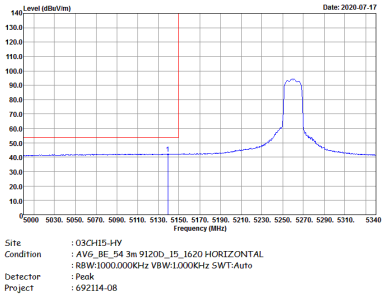
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

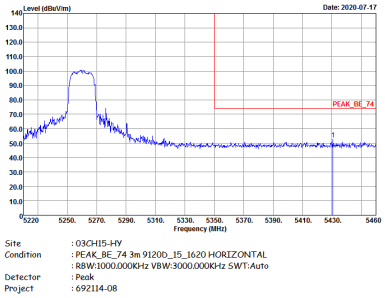
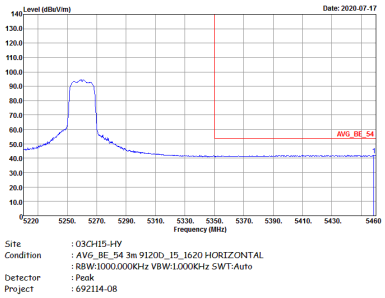
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

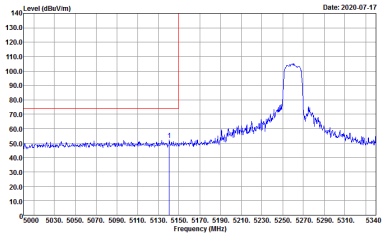
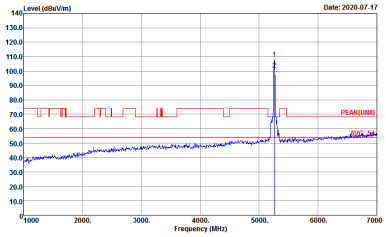
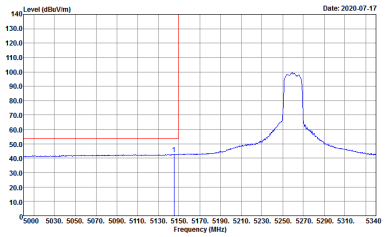
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

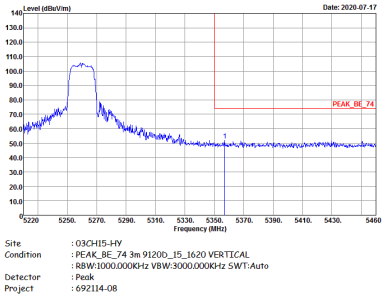
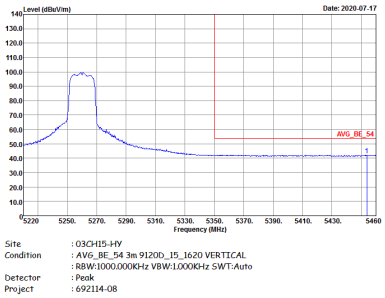
Band 2 - 5250~5350MHz

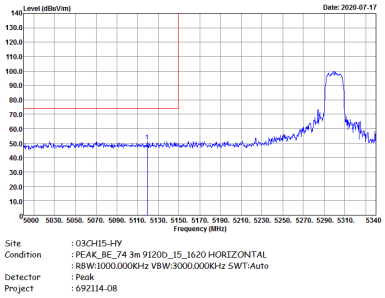
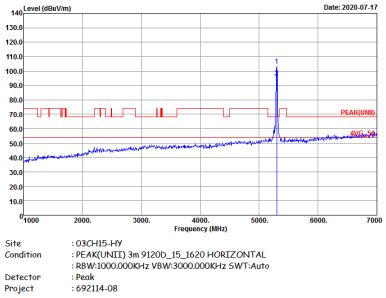
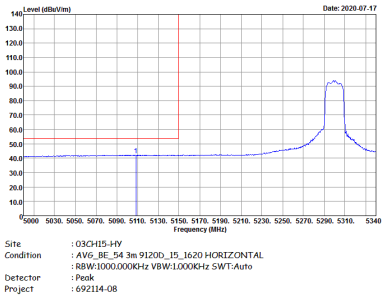
WIFI 802.11a (Band Edge @ 3m)

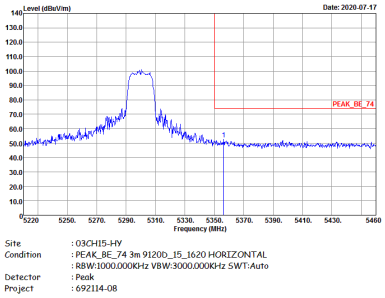
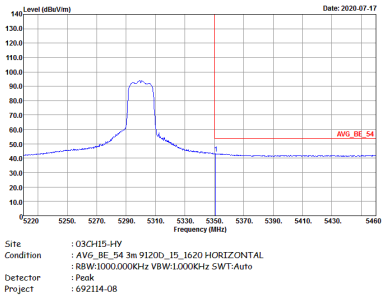
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

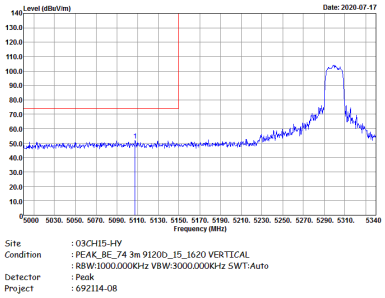
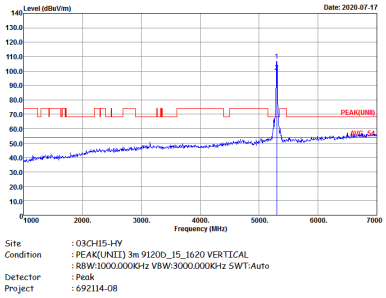
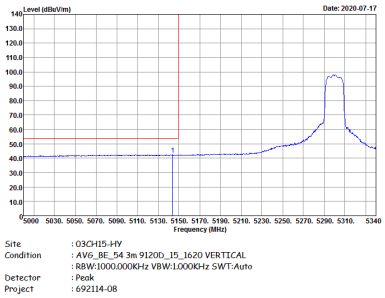
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

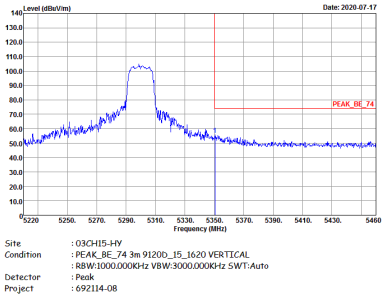
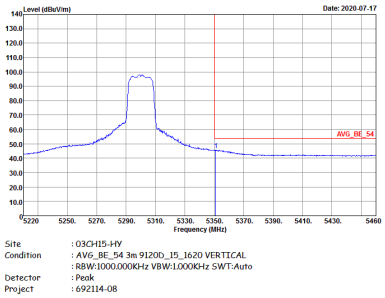
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 692114-08	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 692114-08
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 692114-08	Left blank

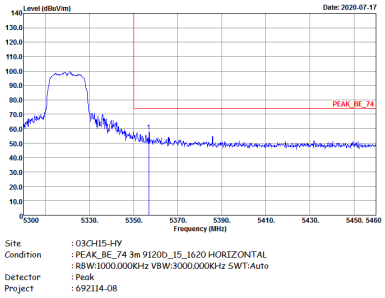
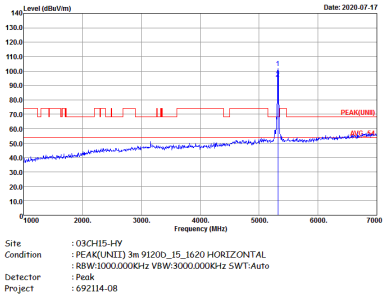
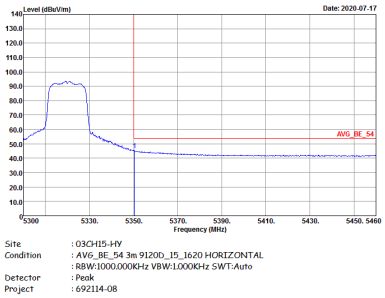
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

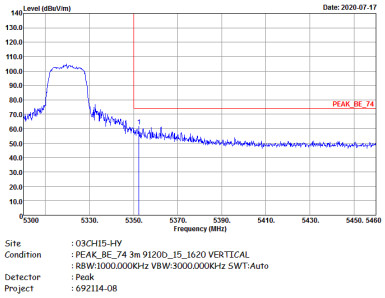
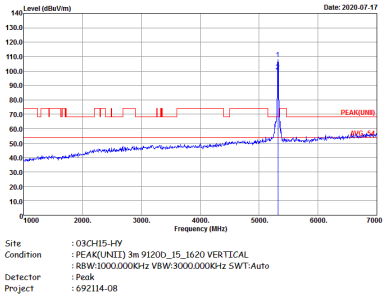
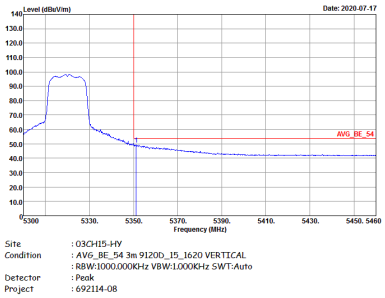
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

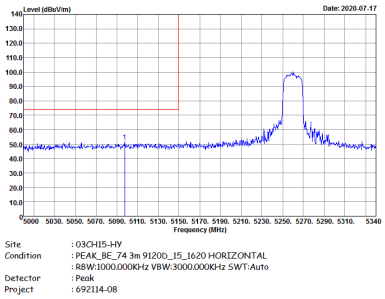
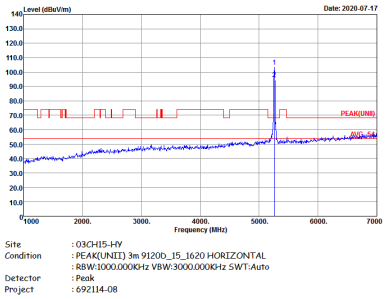
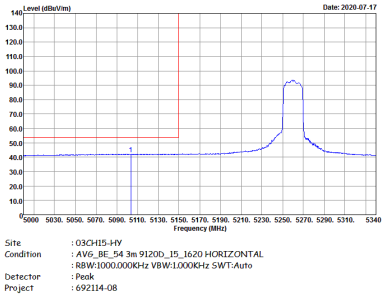
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

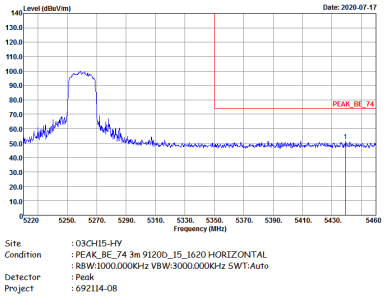
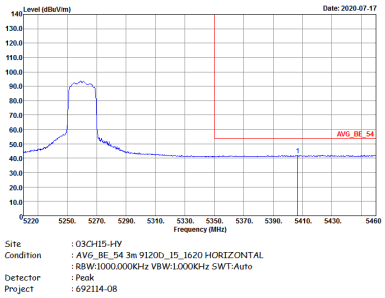
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

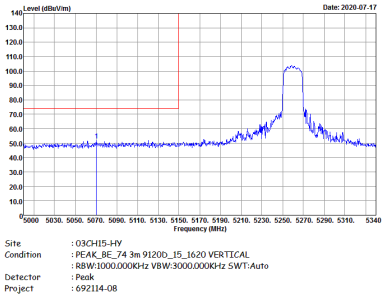
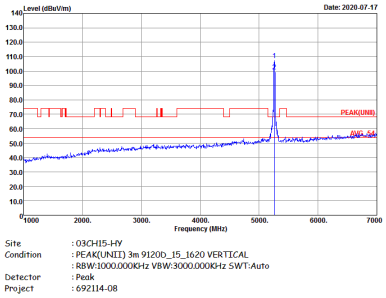
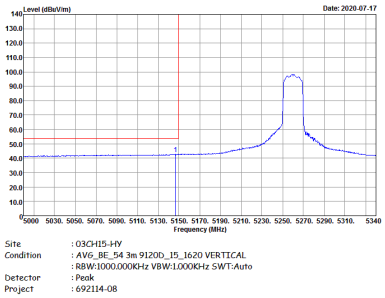
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

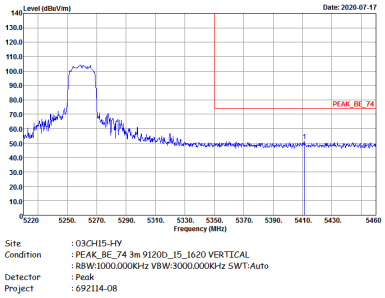
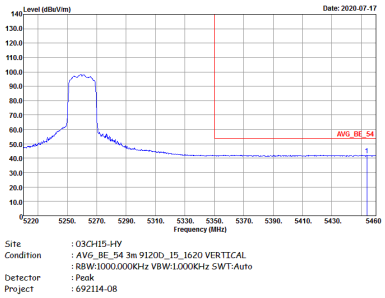
Band 2 5250~5350MHz

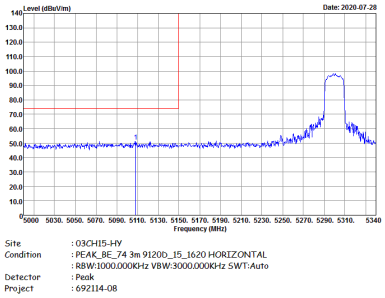
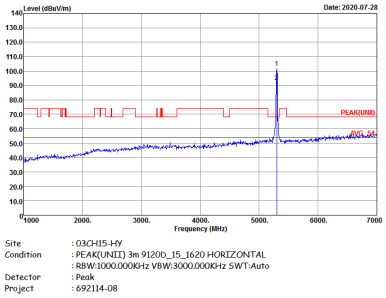
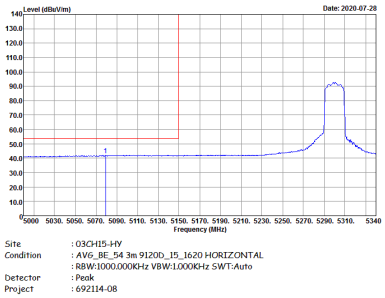
WIFI 802.11n HT20 (Band Edge @ 3m)

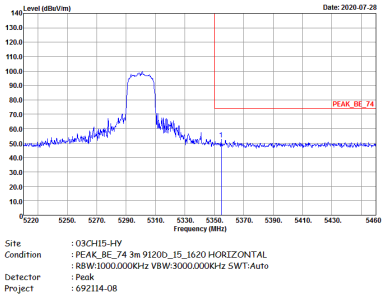
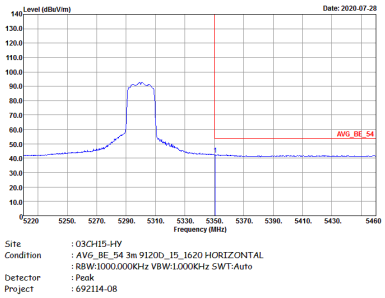
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

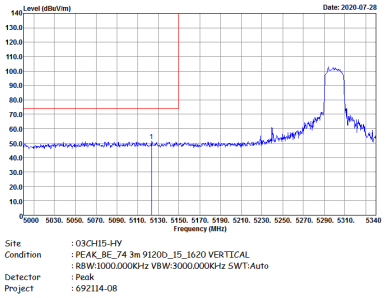
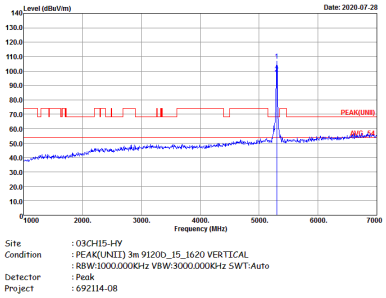
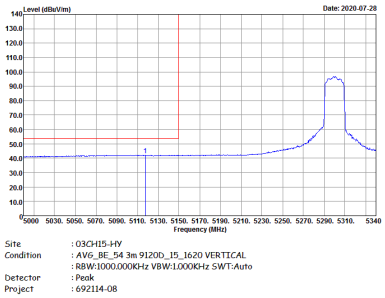
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

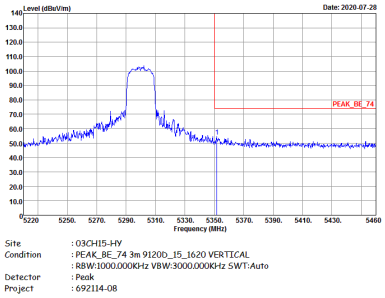
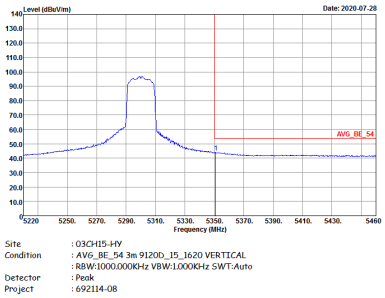
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

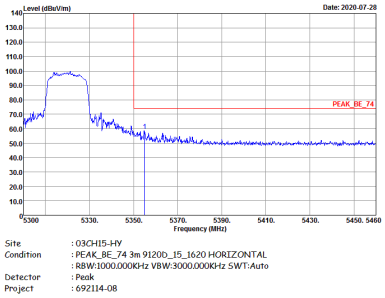
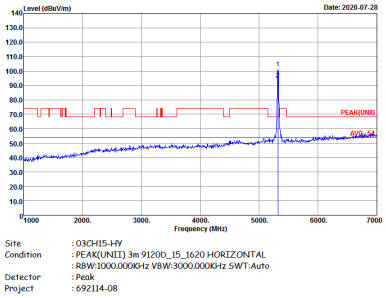
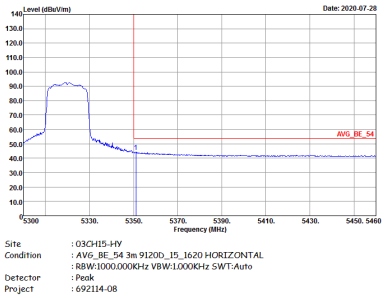
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

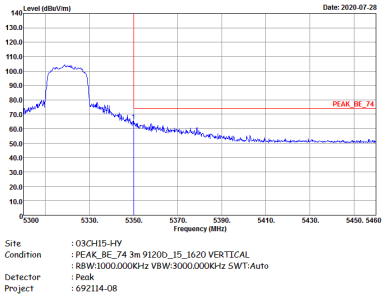
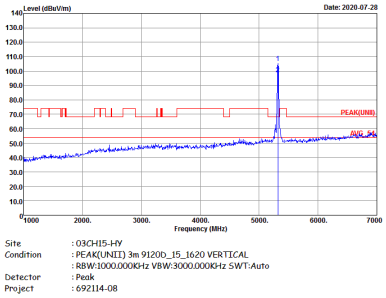
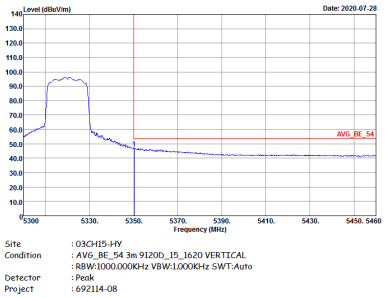
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

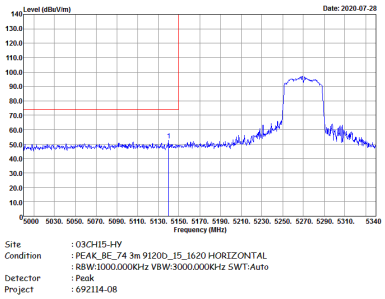
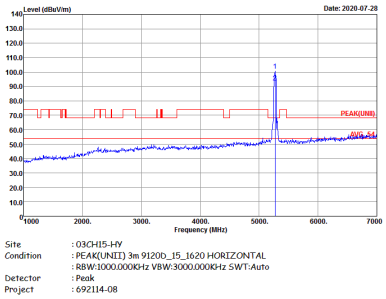
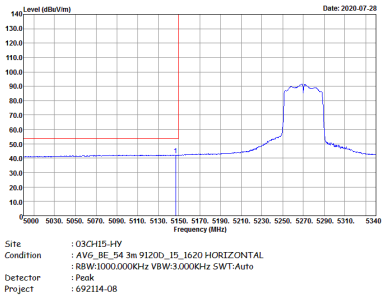
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

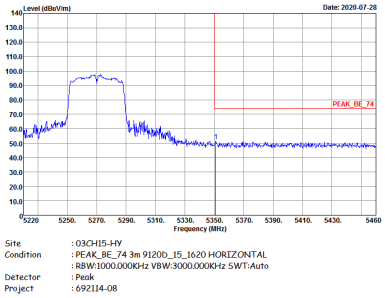
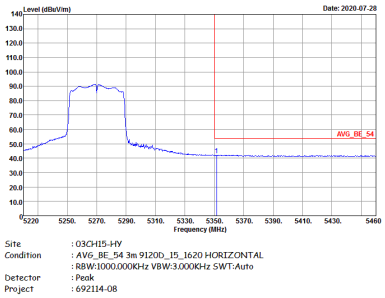
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

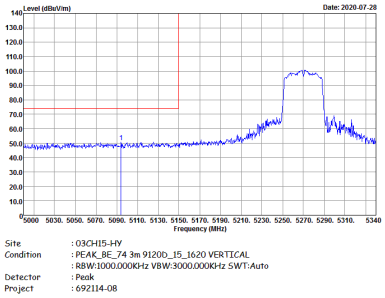
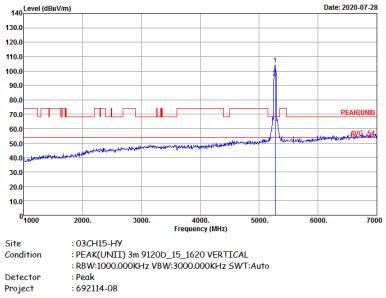
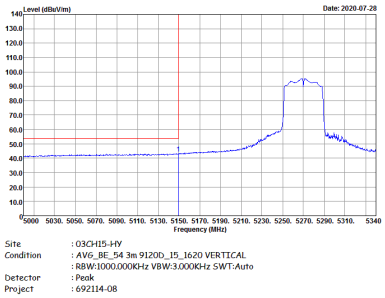
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

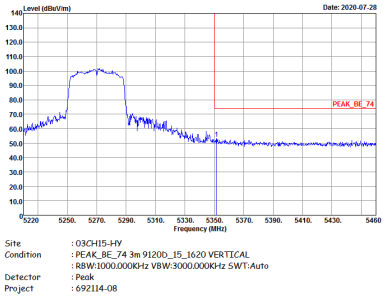
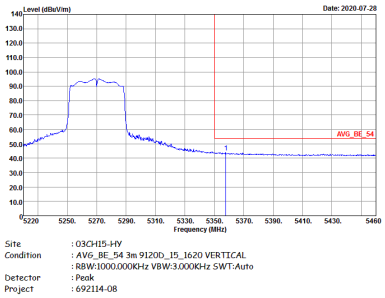
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

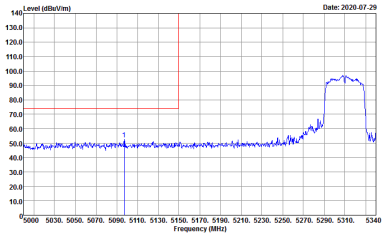
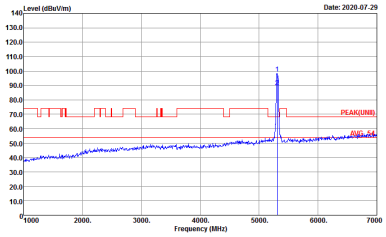
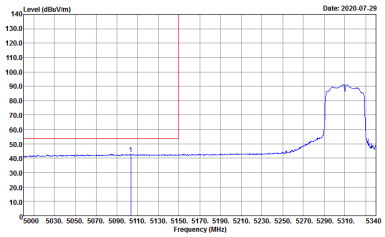
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

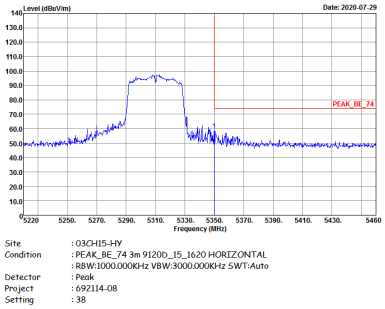
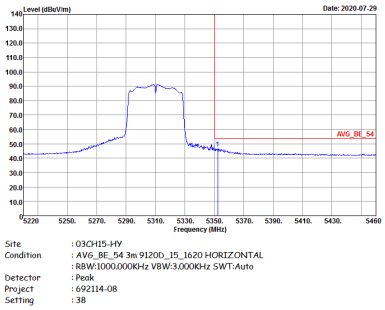
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

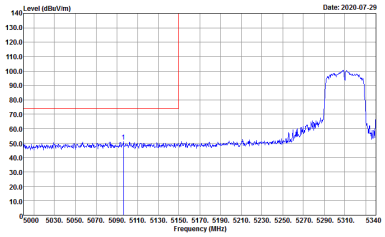
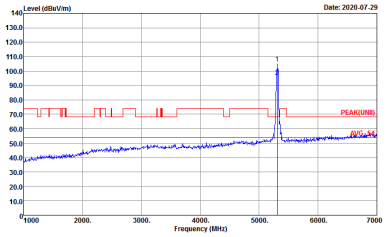
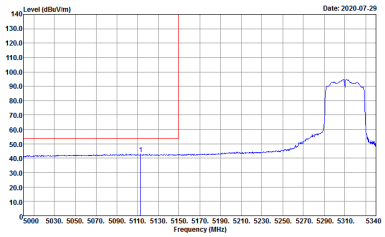
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

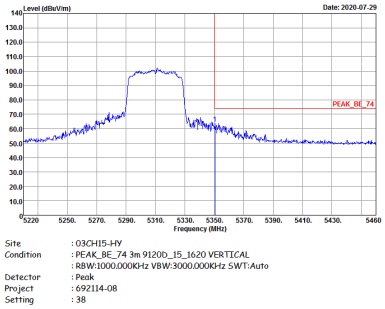
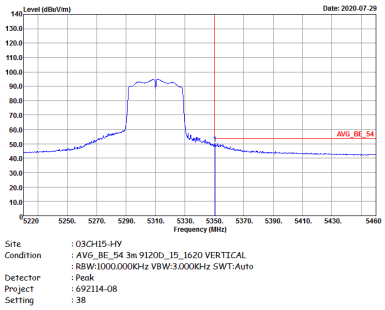
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 692114-08 Setting : 38	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 692114-08 Setting : 38
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 692114-08 Setting : 38	Left blank

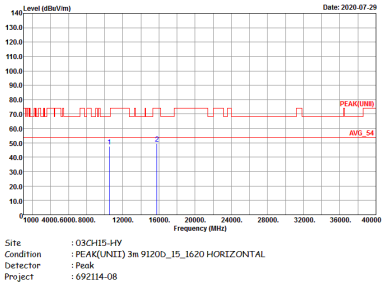
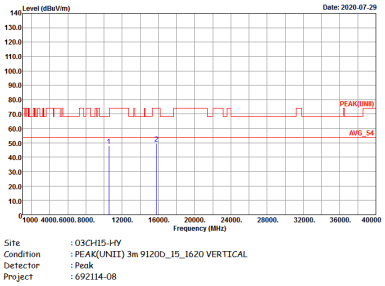
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

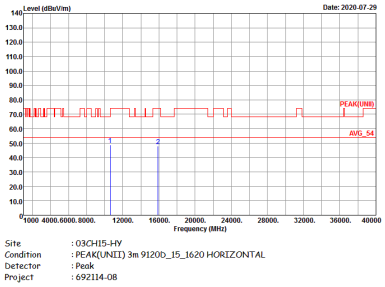
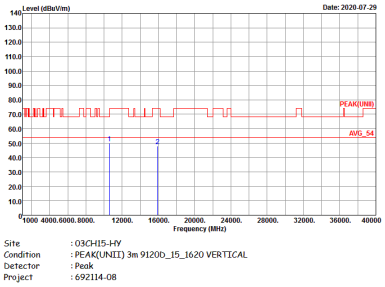
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 692114-08 Setting : 38	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 692114-08 Setting : 38
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 692114-08 Setting : 38	Left blank

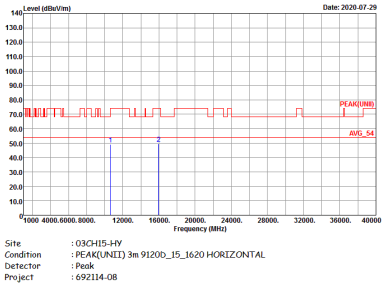
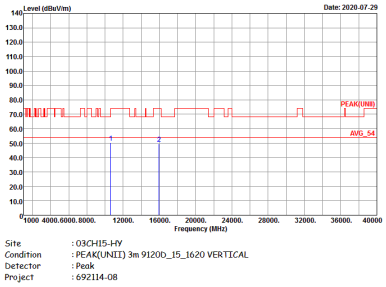
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

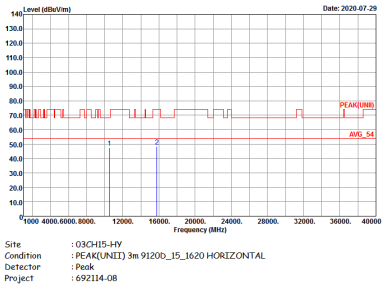
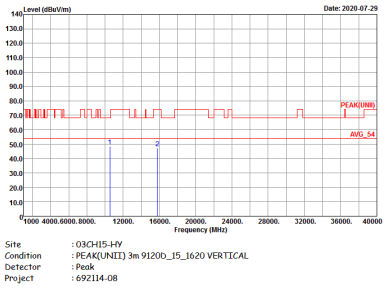
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

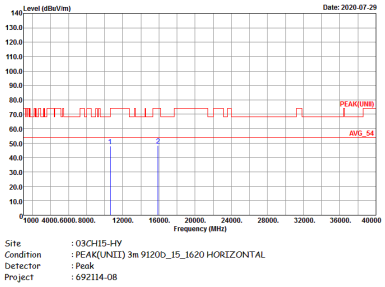
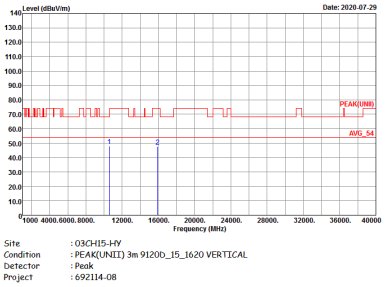
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

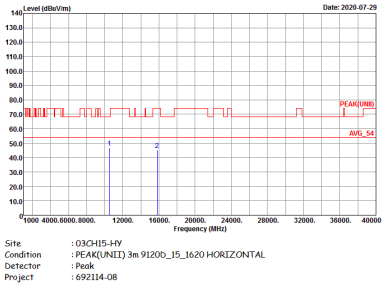
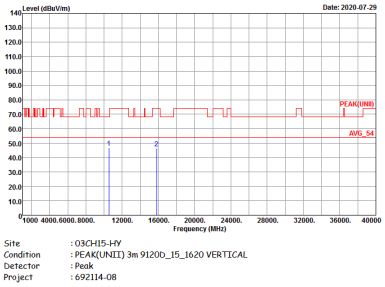
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

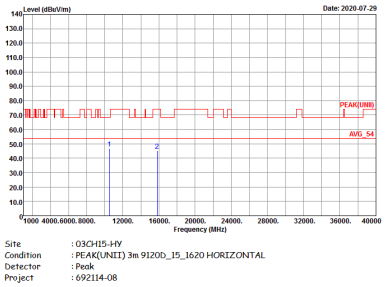
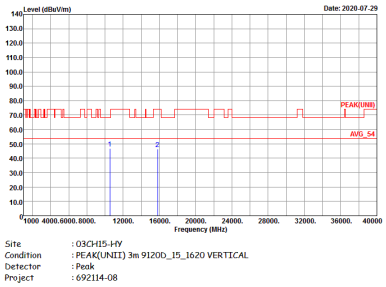
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

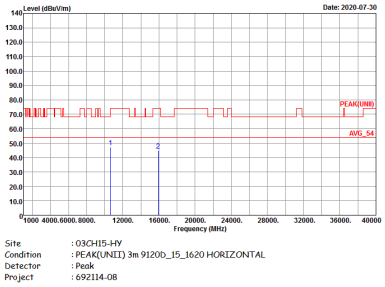
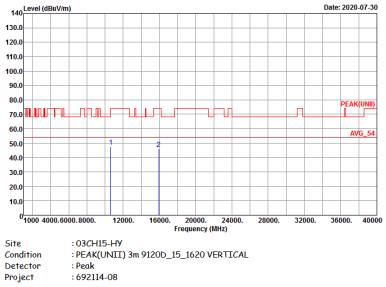
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

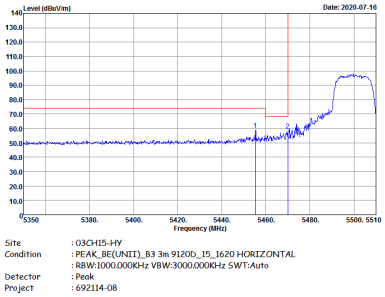
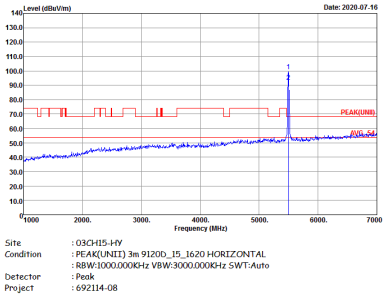
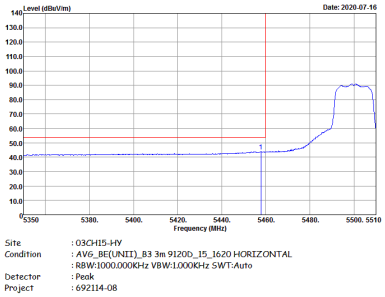
WIFI 802.11n HT40 (Harmonic @ 3m)

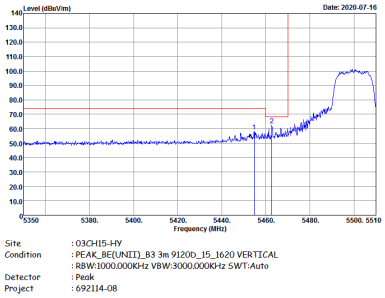
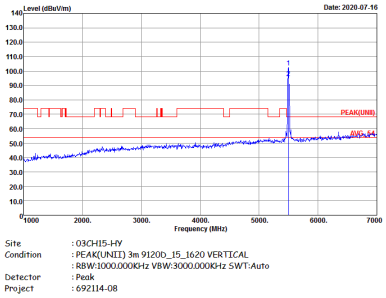
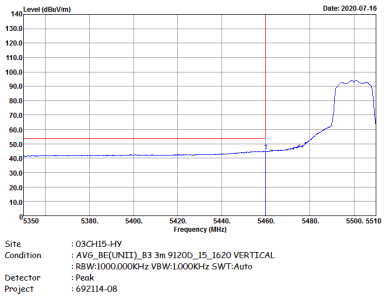
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.		

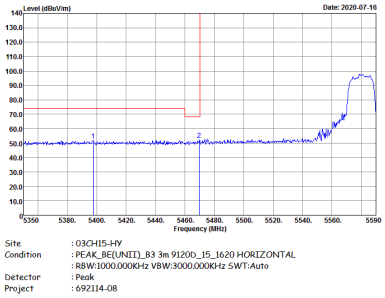
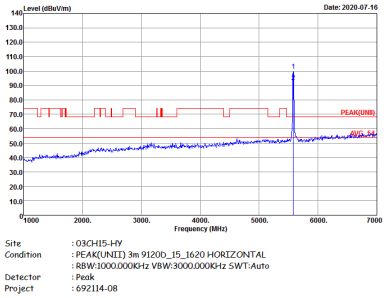
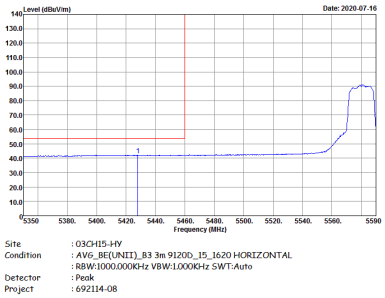
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	 	

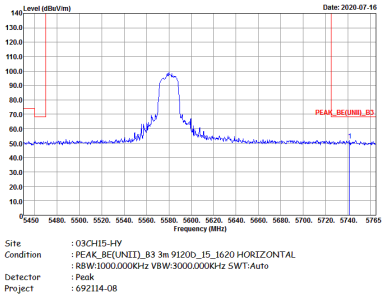
Band 3 - 5470~5725MHz

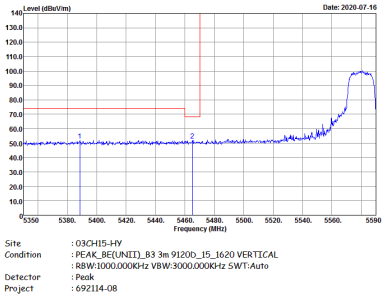
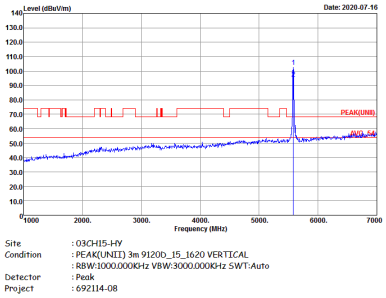
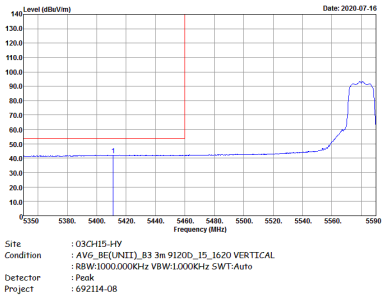
WIFI 802.11a (Band Edge @ 3m)

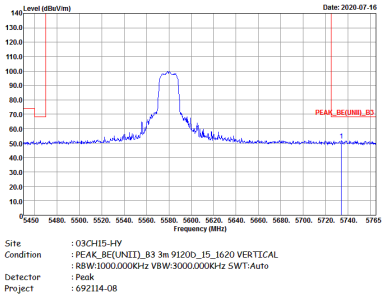
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

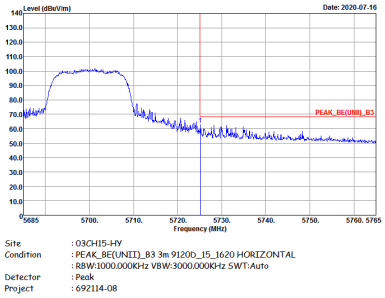
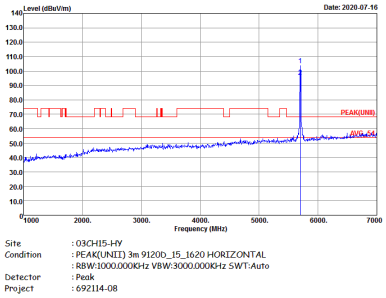
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

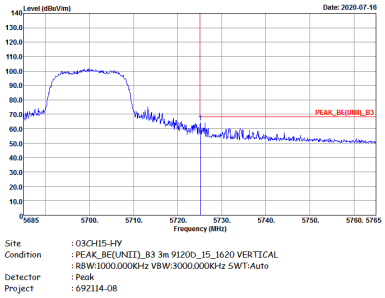
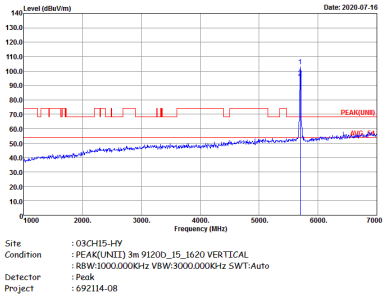
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

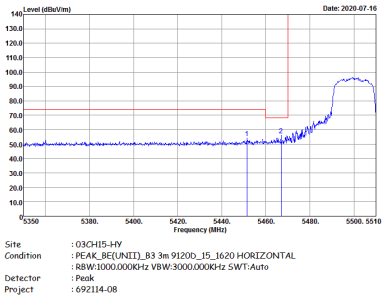
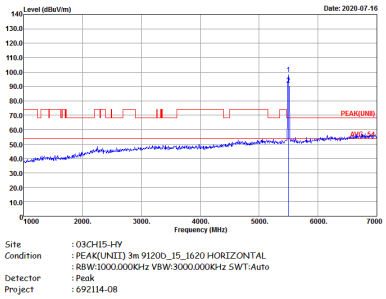
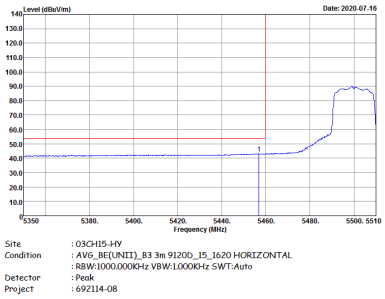
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

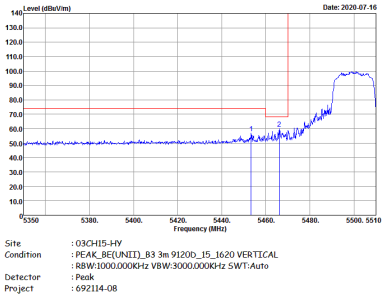
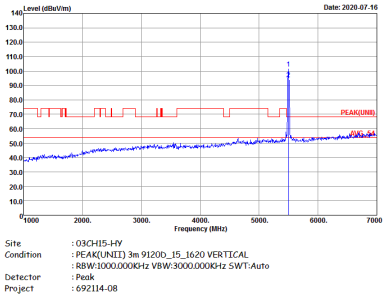
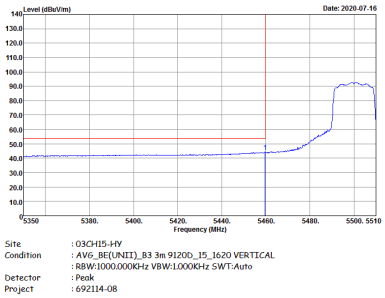
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

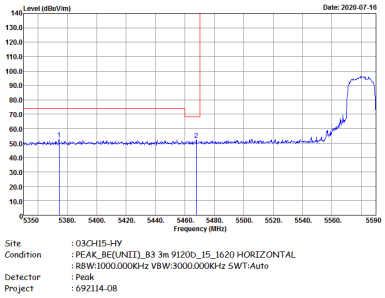
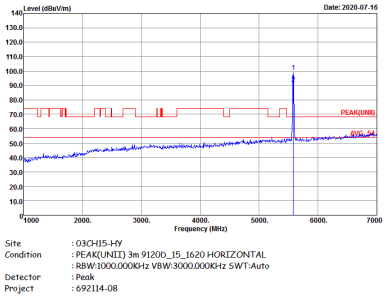
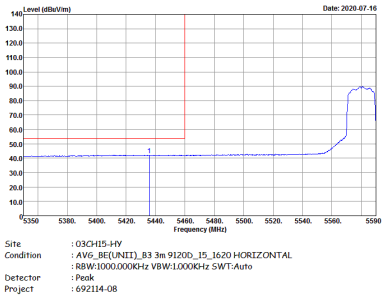
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

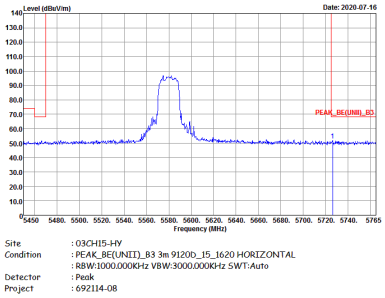
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

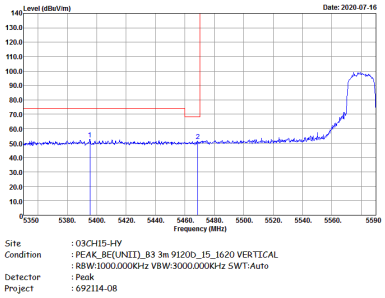
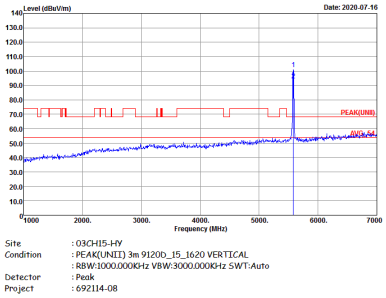
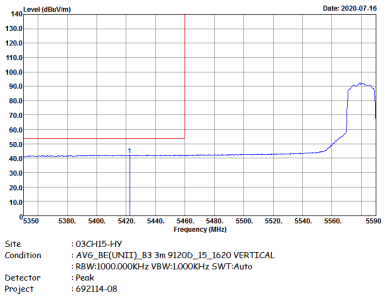
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

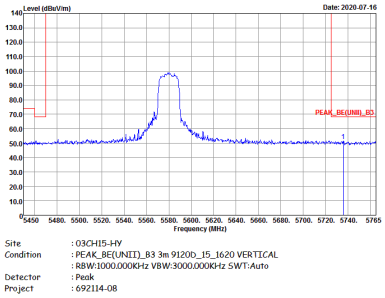
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

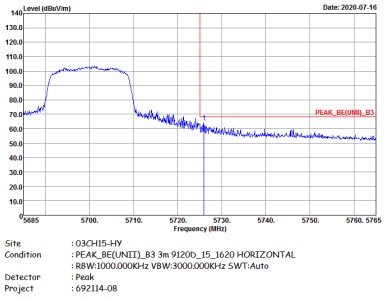
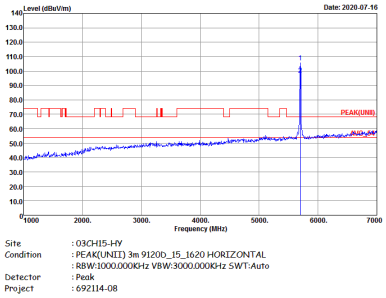
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

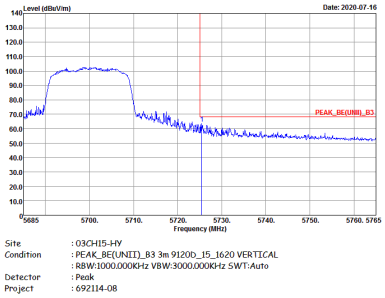
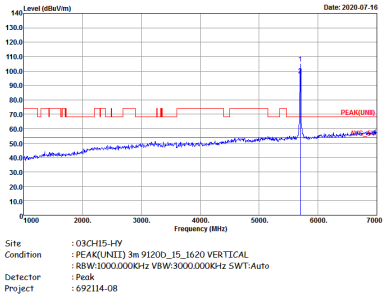
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

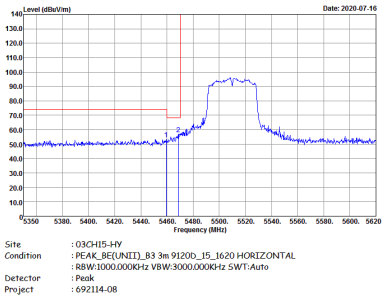
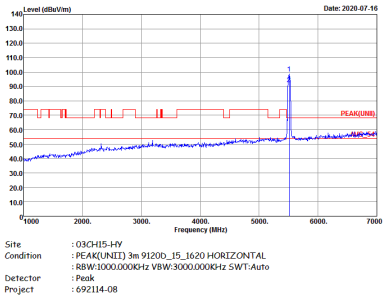
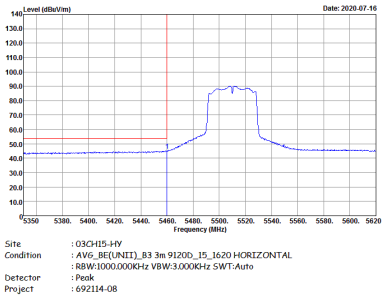
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

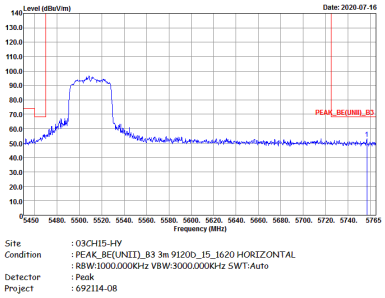
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

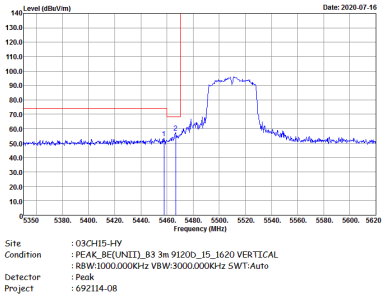
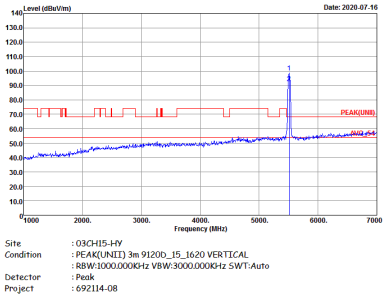
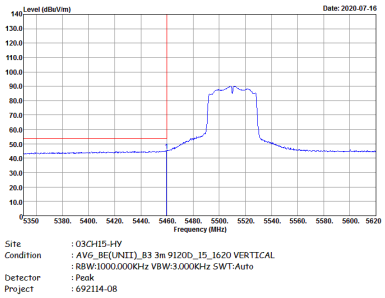
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

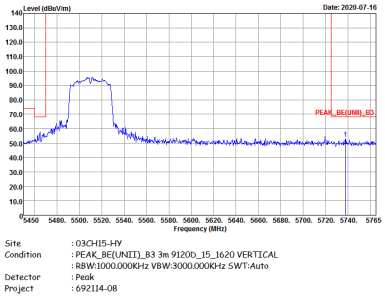
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.		

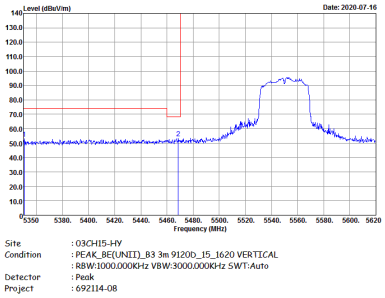
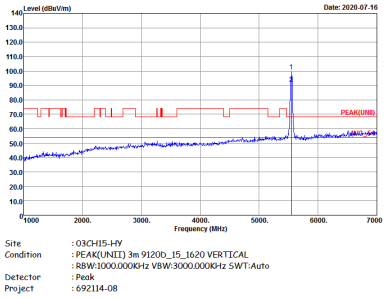
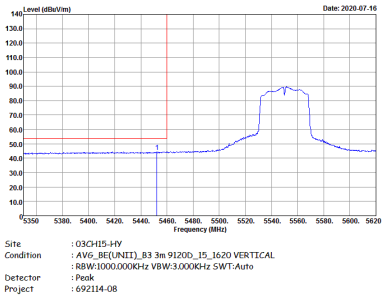
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

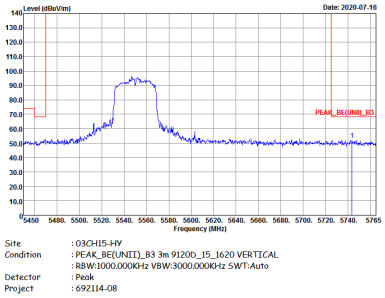
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

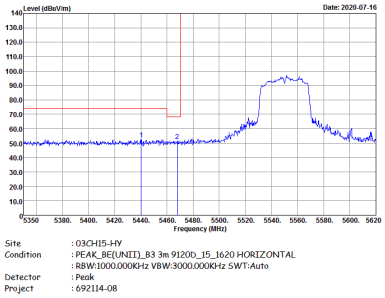
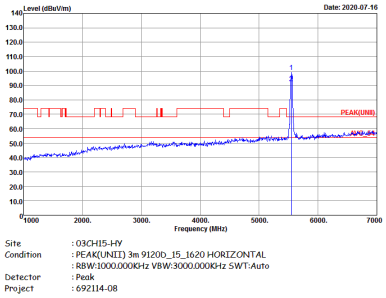
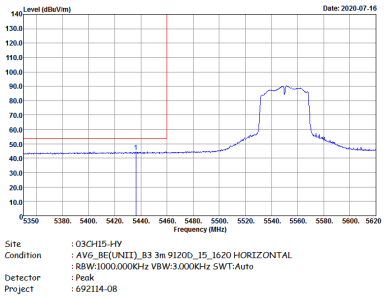
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

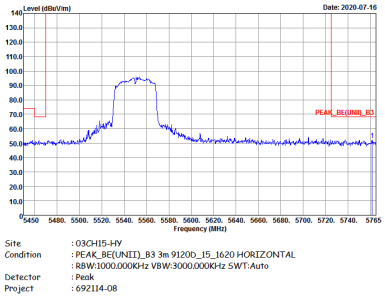
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

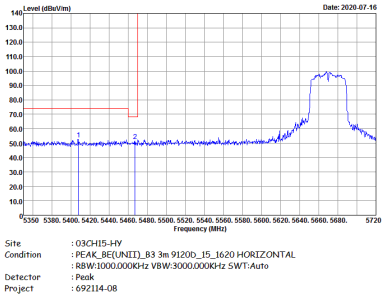
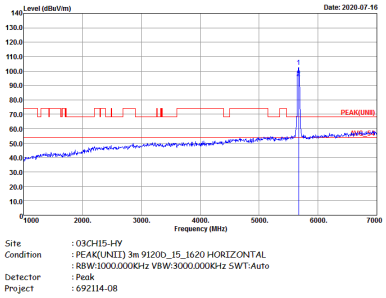
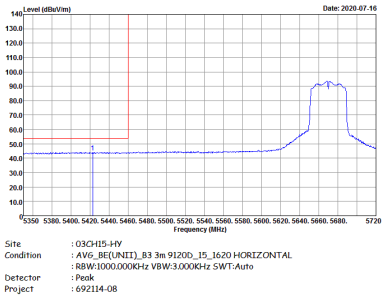
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

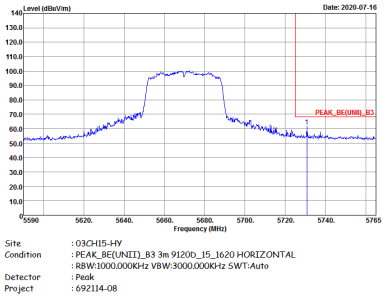
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

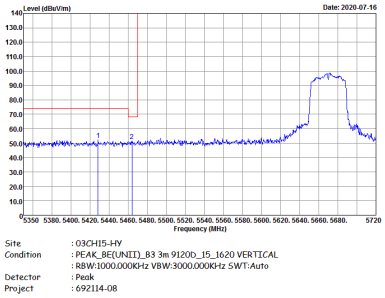
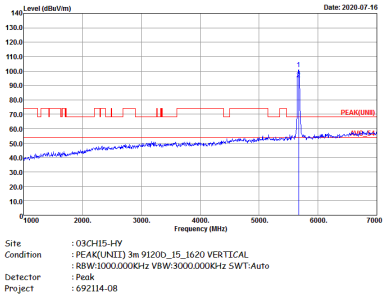
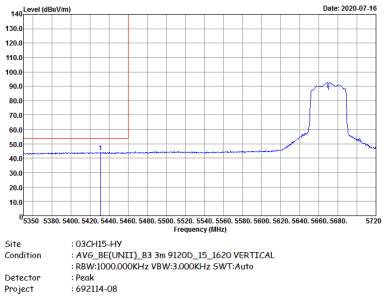
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

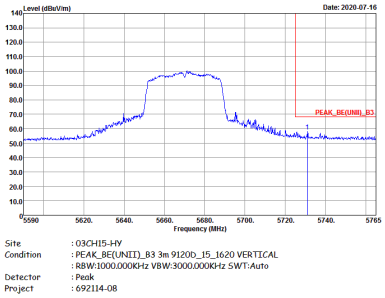
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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		
Avg.		Left blank

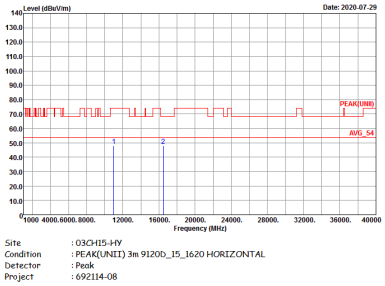
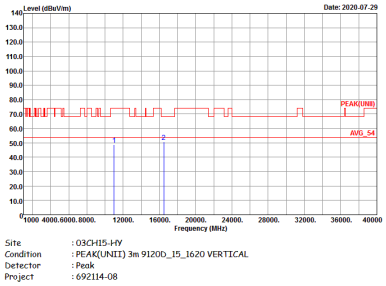
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

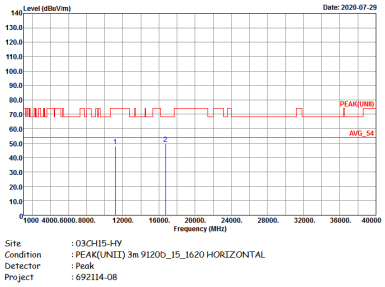
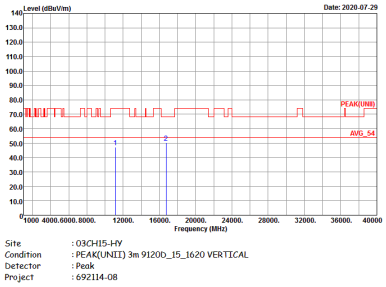
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

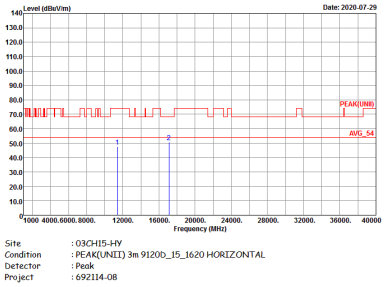
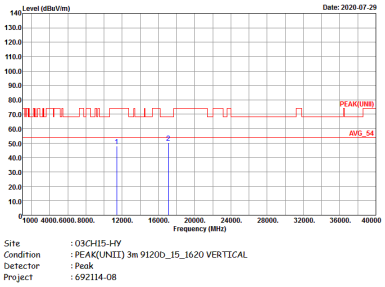
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

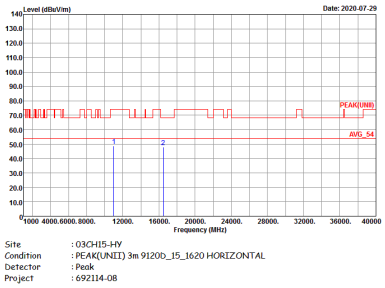
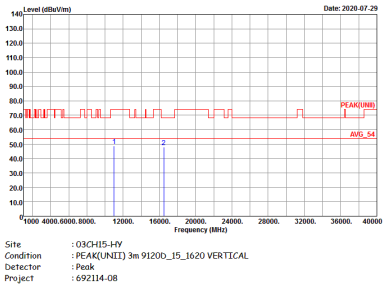
WIFI 802.11a (Harmonic @ 3m)

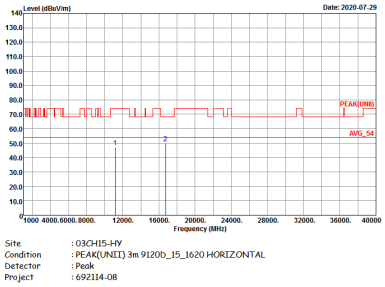
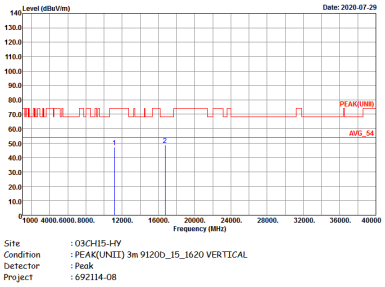
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

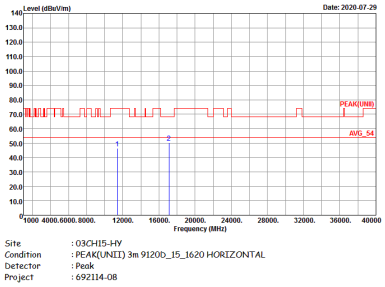
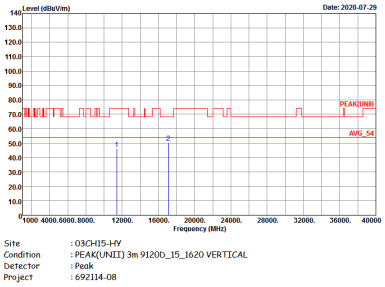
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 	

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.		

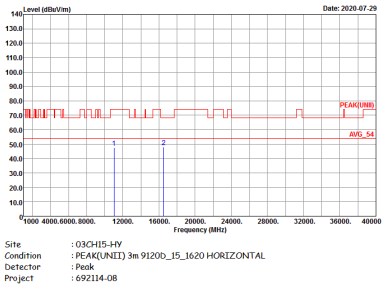
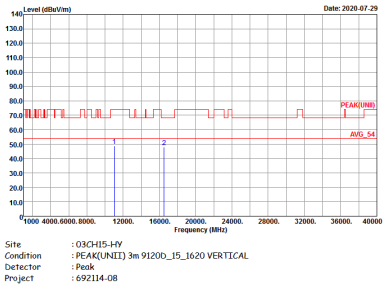
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

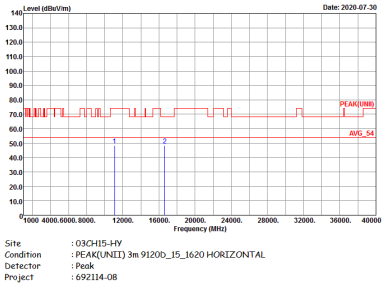
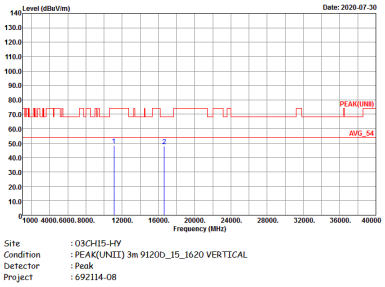
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

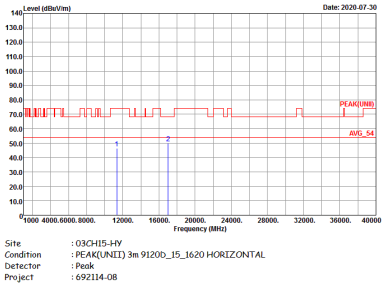
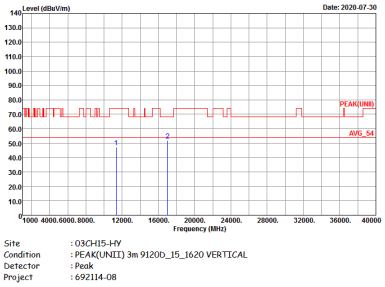
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.		

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

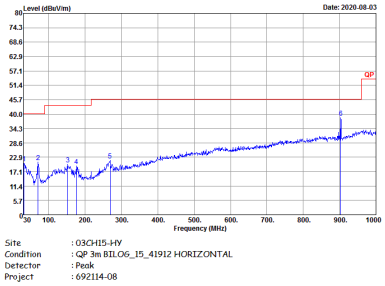
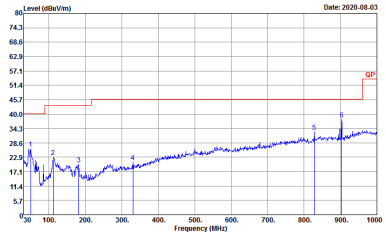
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

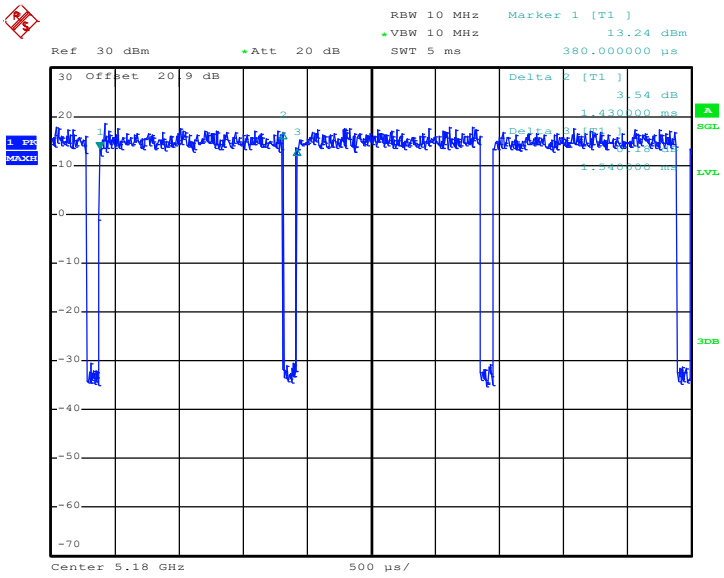
5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

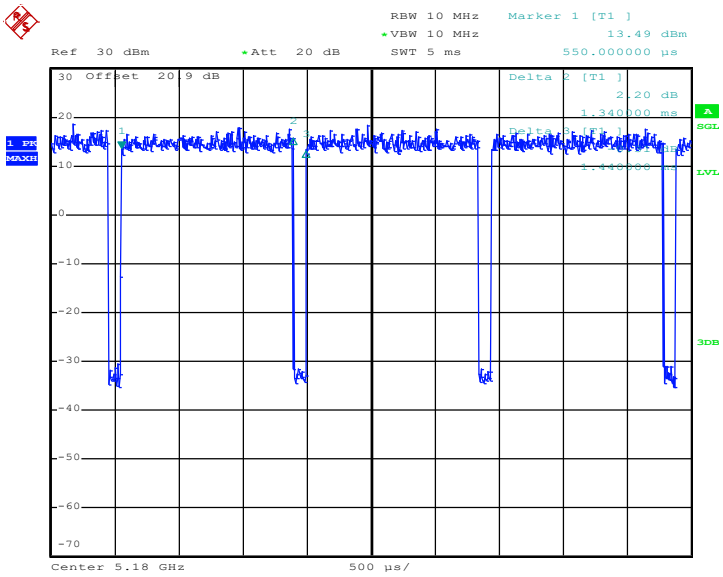
Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11a	92.86	1430	0.70	1kHz	0.32
5GHz 802.11n HT20	93.06	1340	0.75	1kHz	0.31
5GHz 802.11n HT40	90.45	966	1.04	3kHz	0.44

802.11a



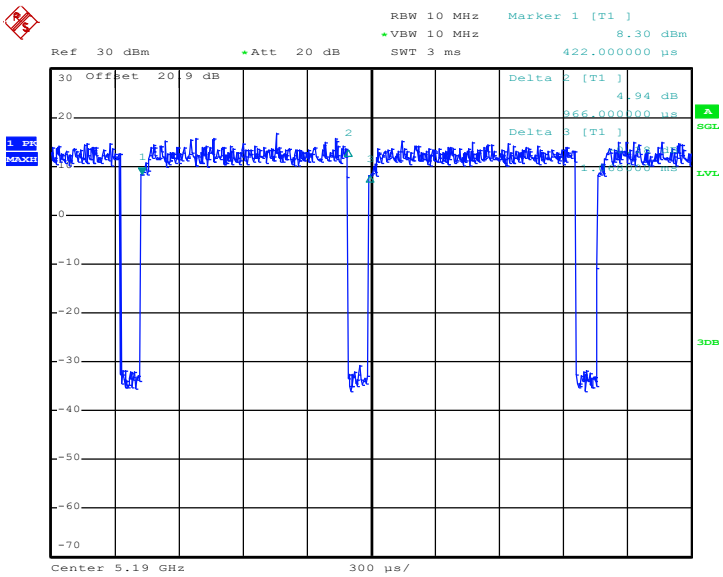
Date: 8.JUL.2020 00:37:26

802.11n HT20



Date: 8.JUL.2020 00:49:13

802.11n HT40



Date: 8.JUL.2020 01:00:51