FCC RADIO TEST REPORT

FCC ID	:	**A4RGZRNL**
Equipment	:	**Interactive Media Streaming Device**
Model Name	:	**GZRNL**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jan. 30, 2020 and testing was started from Feb. 03, 2020 and completed on May 11, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this 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
FR971035-01D	01	Initial issue of report	Apr. 13, 2020
FR971035-01D	02	Revise AC Conducted Emission test mode in section 2.2	May 05, 2020
FR971035-01D	03	Add Radiated Spurious Emission middle channel test result and plot.	May 12, 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 1.55 dB at 5350.720 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 6.13 dB at 0.806 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: Celery Wei

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Interactive Media Streaming Device
Model Name	GZRNL
FCC ID	A4RGZRNL
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

EUT Information List	
S/N	Performed Test Item
WIP01061HFDD0009G	RF Conducted Measurement
01091HFDD013AA 01091HFDD01587	Radiated Spurious Emission
01161HFDD012HJ	Conducted Emission

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** 802.11a : 16.90 dBm / 0.0490 W 802.11n HT20 : 16.90 dBm / 0.0490 W 802.11n HT40 : 14.80 dBm / 0.0302 W 802.11ac VHT20: 16.80 dBm / 0.0479 W 802.11ac VHT40: 14.80 dBm / 0.0302 W 802.11ac VHT80: 7.10 dBm / 0.0051 W
	<5260 MHz ~ 5320 MHz> 802.11a : 16.80 dBm / 0.0479 W 802.11n HT20 : 16.80 dBm / 0.0479 W 802.11n HT40 : 14.80 dBm / 0.0302 W 802.11ac VHT20: 16.70 dBm / 0.0468 W 802.11ac VHT40: 14.70 dBm / 0.0295 W 802.11ac VHT80: 10.60 dBm / 0.0115 W
	<5500 MHz ~ 5720 MHz> 802.11a : 16.80 dBm / 0.0479 W 802.11n HT20 : 16.90 dBm / 0.0490 W 802.11n HT40 : 14.80 dBm / 0.0302 W 802.11ac VHT20: 16.80 dBm / 0.0479 W 802.11ac VHT40: 14.70 dBm / 0.0295 W 802.11ac VHT80: 14.90 dBm / 0.0309 W
99% Occupied Bandwidth	802.11a : 17.55 MHz 802.11n HT20 : 18.20 MHz 802.11n HT40 : 36.70 MHz 802.11ac VHT80: 77.16 MHz
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
Antenna Type / Gain	**<5180 MHz ~ 5240 MHz> :** PIFA Antenna with gain 4.58 dBi **<5260 MHz ~ 5320 MHz> :** PIFA Antenna with gain 4.58 dBi **<5500 MHz ~ 5720 MHz> :** PIFA Antenna with gain 4.58 dBi

1.3 Modification of EUT

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

1.4 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.**
	03CH12-HY

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

FCC designation No.: TW1190 and TW0007

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

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth link controller + WLAN (5GHz) Link + H-Pattern + USB Cable (Charging from AC Adapter)
Remark: For Radiated Test Cases, the tests were performed with Adapter 1	

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

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

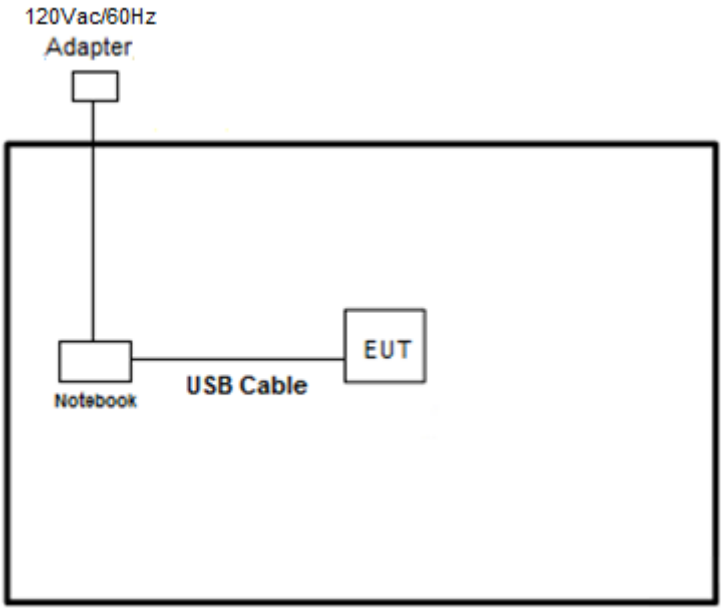
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

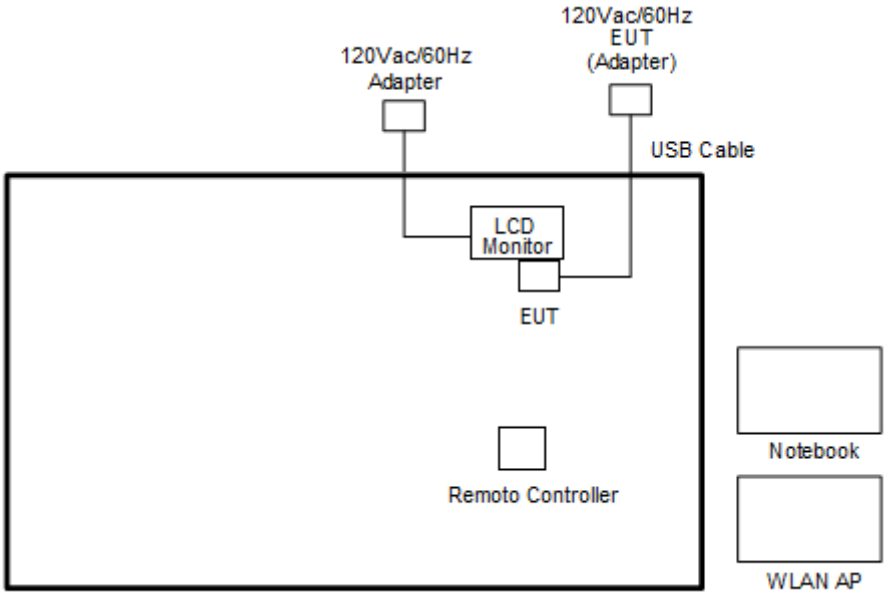
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	LCD Monitor	DELL	P2715Qt	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m
4.	Remote control	Google	AEVM1-RCX1	N/A	N/A	N/A

2.5 EUT Operation Test Setup

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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.

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

3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

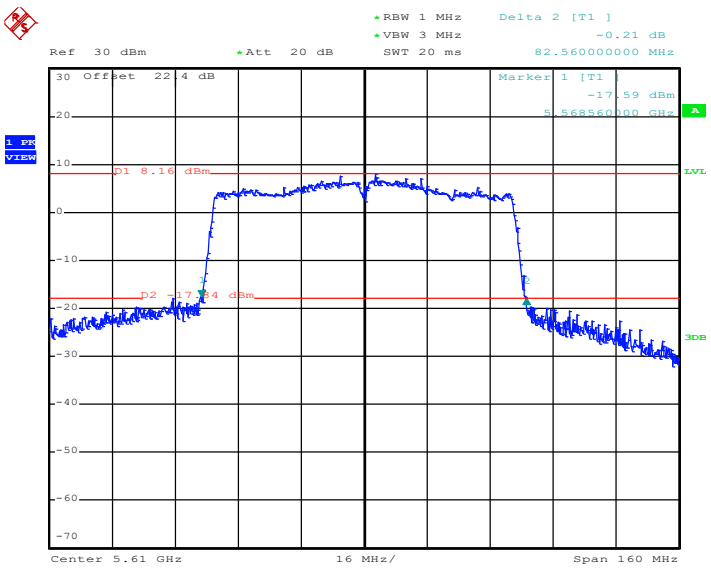
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB 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



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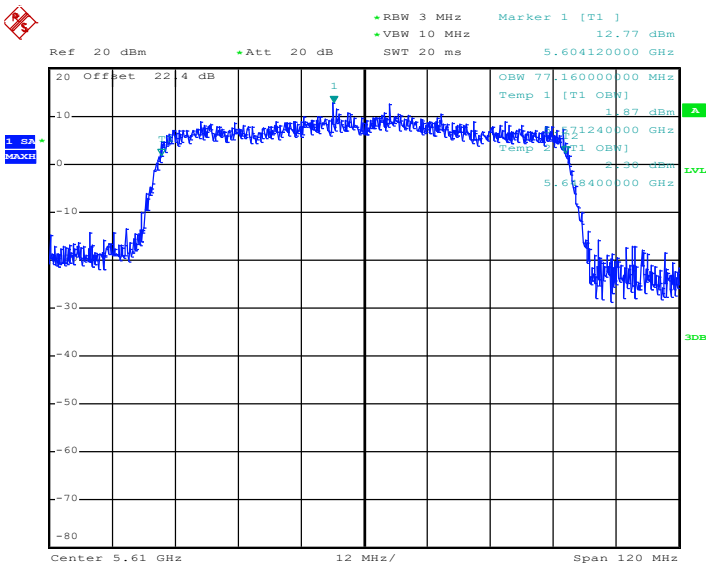
Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

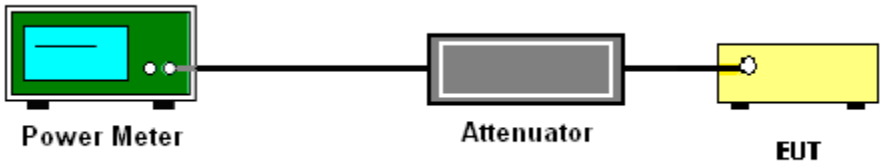
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

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.

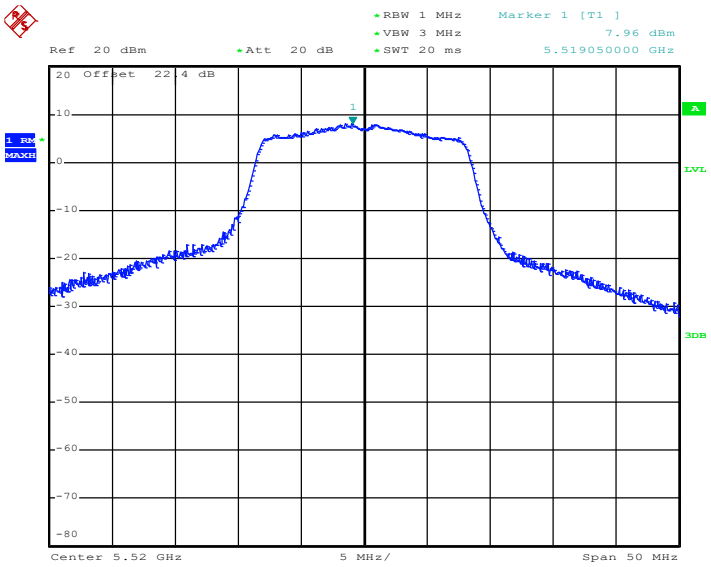
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

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)



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

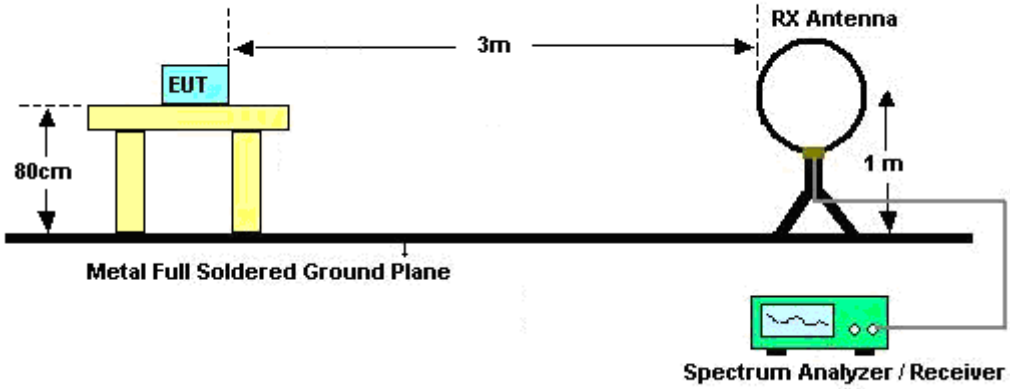
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

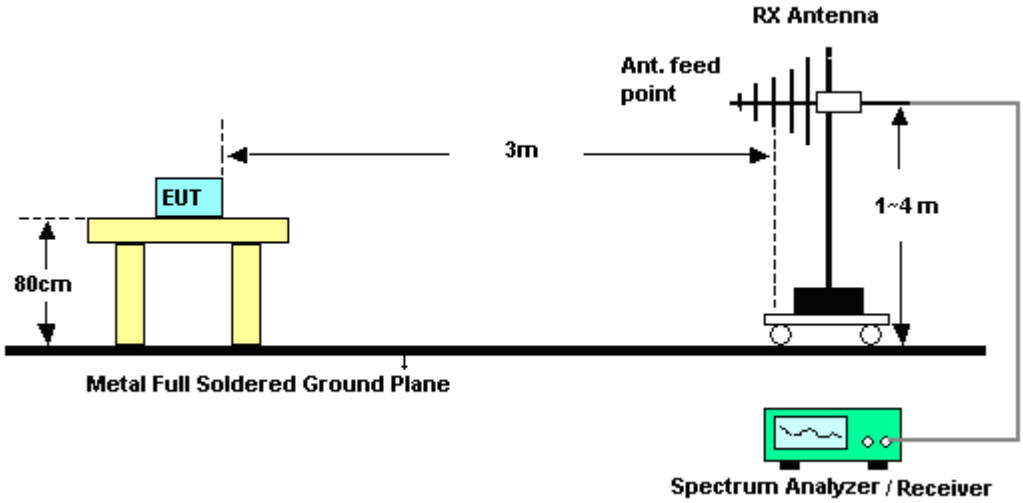
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

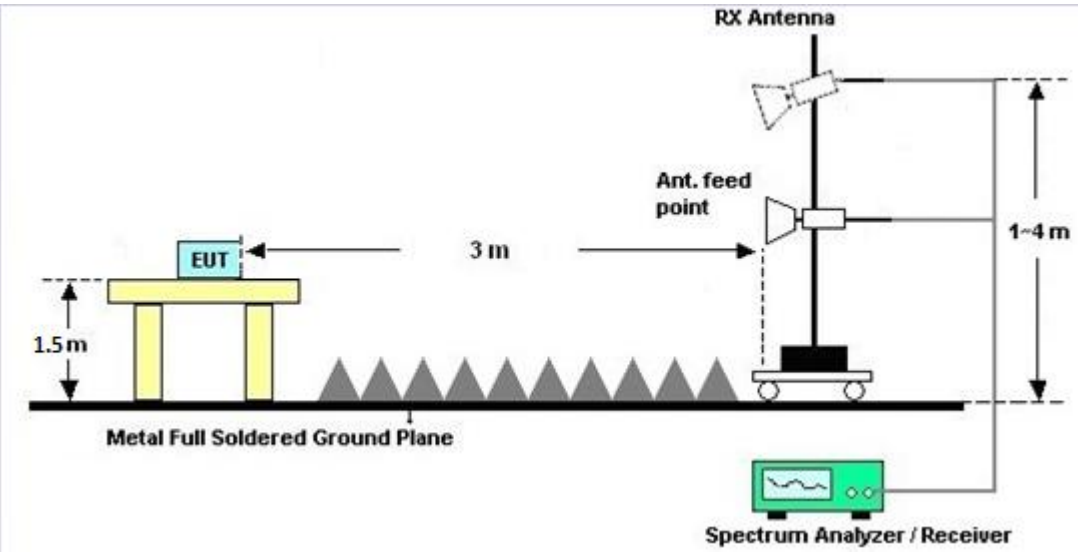
For radiated emissions below 30MHz



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.

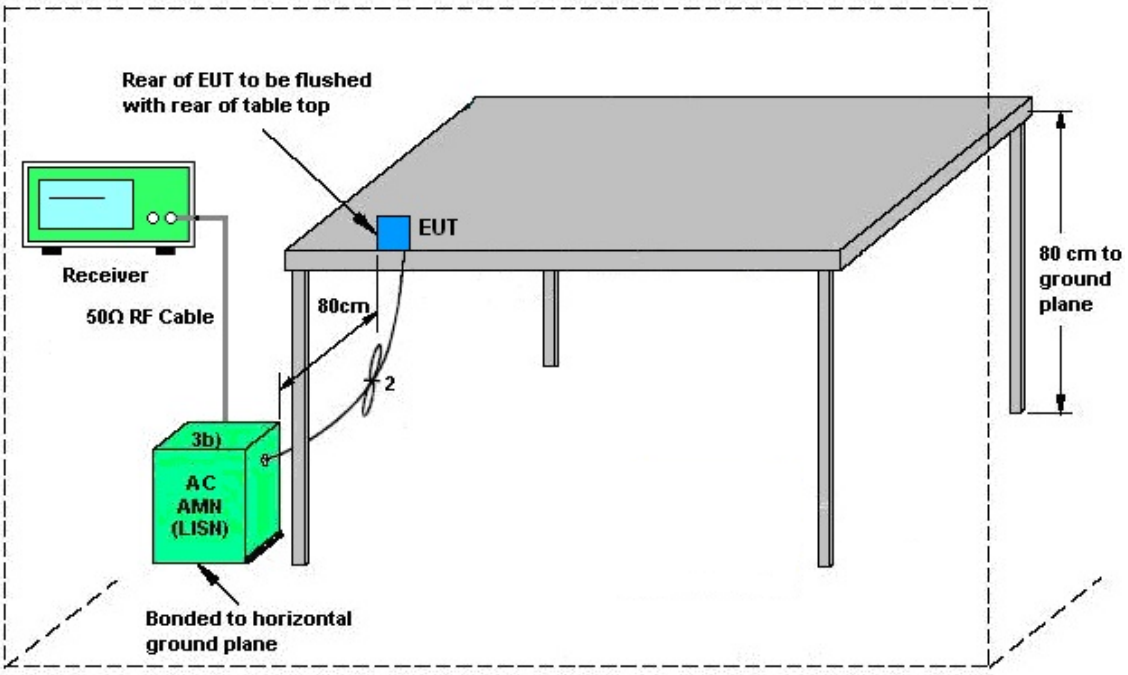
3.5.2 Measuring Instruments

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	100315	9 kHz~30 MHz	Dec. 26, 2019	Feb. 14, 2020~ Mar. 25, 2020	Dec. 25, 2020	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	37059 & 01	30MHz~1GHz	Oct. 12, 2019	Feb. 14, 2020~ Mar. 25, 2020	Oct. 11, 2020	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Nov. 14, 2019	Feb. 14, 2020~ May 11, 2020	Nov. 13, 2020	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz ~ 40GHz	Dec. 10, 2019	Feb. 14, 2020~ May 11, 2020	Dec. 09, 2020	Radiation (03CH12-HY)
Preamplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 03, 2019	Feb. 14, 2020~ Mar. 25, 2020	Dec. 02, 2020	Radiation (03CH12-HY)
Preamplifier	Jet-Power	JAP00101800 -30-10P	160118550004	1GHz~18GHz	Sep. 27, 2019	Feb. 14, 2020~ May 11, 2020	Sep. 26, 2020	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY53270148	1GHz~26.5GHz	Dec. 20, 2019	Feb. 14, 2020~ May 11, 2020	Dec. 19, 2020	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Feb. 14, 2020~ May 11, 2020	Dec. 12, 2020	Radiation (03CH12-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101408	10Hz~40GHz	Aug. 13, 2019	Feb. 14, 2020~ May 11, 2020	Aug. 12, 2020	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP161243	N/A	May 11, 2019	Feb. 14, 2020~ Mar. 25, 2020	May 10, 2020	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP161243	N/A	May 09, 2020	May 11, 2020	May 08, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30M-18G	Dec. 12, 2019	Feb. 14, 2020~ May 11, 2020	Dec. 11, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Feb. 25, 2019	Feb. 14, 2020~ Feb. 19, 2020	Feb. 24, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Feb. 25, 2020	Feb. 25, 2020~ May 11, 2020	Feb. 24, 2021	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Feb. 25, 2019	Feb. 14, 2020~ Feb. 19, 2020	Feb. 24, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Feb. 25, 2020	Feb. 25, 2020~ May 11, 2020	Feb. 24, 2021	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Feb. 14, 2020~ May 11, 2020	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Feb. 14, 2020~ May 11, 2020	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Feb. 14, 2020~ May 11, 2020	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Feb. 14, 2020~ May 11, 2020	N/A	Radiation (03CH12-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53GHz Low Pass Filter	Sep. 15, 2019	Feb. 14, 2020~ Mar. 25, 2020	Sep. 14, 2020	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN6	6.75GHz High Pass Filter	Jul. 02, 2019	Feb. 14, 2020~ May 11, 2020	Jul. 01, 2020	Radiation (03CH12-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H2	41410069	N/A	Jun. 17, 2019	Feb. 03, 2020~ Mar. 25, 2020	Jun. 16, 2020	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 23, 2019	Feb. 03, 2020~ Mar. 25, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Aug. 14, 2019	Feb. 03, 2020~ Mar. 25, 2020	Aug. 13, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Feb. 03, 2020~ Mar. 25, 2020	Mar. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 26, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Feb. 26, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	Feb. 26, 2020	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Feb. 26, 2020	Nov. 19, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Feb. 26, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 26, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Feb. 26, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Feb. 26, 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))	**5.1**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.6**

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:	Kathy Chen/Derek Hsu	Temperature:	21~25	°C
Test Date:	2020/02/03~2020/03/25	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		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	17.10	-	26.20	-	-		22.33	-		
11a	6Mbps	1	44	5220	17.15	-	31.90	-	-		22.34	-		
11a	6Mbps	1	48	5240	17.10	-	26.90	-	-		22.33	-		
HT20	MCS0	1	36	5180	18.00	-	23.20	-	-		22.55	-		
HT20	MCS0	1	40	5200	18.15	-	31.20	-	-		22.59	-		
HT20	MCS0	1	44	5220	18.05	-	35.30	-	-		22.56	-		
HT20	MCS0	1	48	5240	18.15	-	36.40	-	-		22.59	-		
HT40	MCS0	1	38	5190	36.50	-	41.04	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.60	-	44.46	-	-		23.01	-		
VHT80	MCS0	1	42	5210	76.92	-	82.56	-	-		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	14.20	-		24.00	-	4.58	-		Pass
11a	6Mbps	1	44	5220	16.90	-		24.00	-	4.58	-		Pass
11a	6Mbps	1	48	5240	16.90	-		24.00	-	4.58	-		Pass
HT20	MCS0	1	36	5180	13.20	-		24.00	-	4.58	-		Pass
HT20	MCS0	1	40	5200	16.80	-		24.00	-	4.58	-		Pass
HT20	MCS0	1	44	5220	16.90	-		24.00	-	4.58	-		Pass
HT20	MCS0	1	48	5240	16.90	-		24.00	-	4.58	-		Pass
HT40	MCS0	1	38	5190	9.80	-		24.00	-	4.58	-		Pass
HT40	MCS0	1	46	5230	14.80	-		24.00	-	4.58	-		Pass
VHT20	MCS0	1	36	5180	13.10	-		24.00	-	4.58	-		Pass
VHT20	MCS0	1	44	5220	16.80	-		24.00	-	4.58	-		Pass
VHT20	MCS0	1	48	5240	16.80	-		24.00	-	4.58	-		Pass
VHT40	MCS0	1	38	5190	9.70	-		24.00	-	4.58	-		Pass
VHT40	MCS0	1	46	5230	14.80	-		24.00	-	4.58	-		Pass
VHT80	MCS0	1	42	5210	7.10	-		24.00	-	4.58	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	4.14	-		11.00	-	4.58	-		Pass
11a	6Mbps	1	44	5220	7.21	-		11.00	-	4.58	-		Pass
11a	6Mbps	1	48	5240	7.13	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	36	5180	2.58	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	40	5200	7.23	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	44	5220	6.72	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	48	5240	6.74	-		11.00	-	4.58	-		Pass
HT40	MCS0	1	38	5190	-3.42	-		11.00	-	4.58	-		Pass
HT40	MCS0	1	46	5230	1.95	-		11.00	-	4.58	-		Pass
VHT80	MCS0	1	42	5210	-8.53	-		11.00	-	4.58	-		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	17.10	-	25.30	-	23.33	-	29.33	-	23.98	-	
11a	6Mbps	1	60	5300	17.20	-	26.50	-	23.36	-	29.36	-	23.98	-	
11a	6Mbps	1	64	5320	17.00	-	26.70	-	23.30	-	29.30	-	23.98	-	
HT20	MCS0	1	52	5260	18.10	-	33.10	-	23.58	-	29.58	-	23.98	-	
HT20	MCS0	1	60	5300	18.05	-	33.00	-	23.56	-	29.56	-	23.98	-	
HT20	MCS0	1	64	5320	18.15	-	27.20	-	23.59	-	29.59	-	23.98	-	
HT40	MCS0	1	54	5270	36.70	-	58.59	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.60	-	40.86	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	76.80	-	81.60	-	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	16.80	-		23.98	-	4.58	-	30	Pass
11a	6Mbps	1	60	5300	16.80	-		23.98	-	4.58	-	30	Pass
11a	6Mbps	1	64	5320	15.60	-		23.98	-	4.58	-	30	Pass
HT20	MCS0	1	52	5260	16.80	-		23.98	-	4.58	-	30	Pass
HT20	MCS0	1	60	5300	16.80	-		23.98	-	4.58	-	30	Pass
HT20	MCS0	1	64	5320	15.40	-		23.98	-	4.58	-	30	Pass
HT40	MCS0	1	54	5270	14.80	-		23.98	-	4.58	-	30	Pass
HT40	MCS0	1	62	5310	12.30	-		23.98	-	4.58	-	30	Pass
VHT20	MCS0	1	52	5260	16.70	-		23.98	-	4.58	-	30	Pass
VHT20	MCS0	1	60	5300	16.70	-		23.98	-	4.58	-	30	Pass
VHT20	MCS0	1	64	5320	15.30	-		23.98	-	4.58	-	30	Pass
VHT40	MCS0	1	54	5270	14.70	-		23.98	-	4.58	-	30	Pass
VHT40	MCS0	1	62	5310	12.20	-		23.98	-	4.58	-	30	Pass
VHT80	MCS0	1	58	5290	10.60	-		23.98	-	4.58	-	30	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	6.54	-		11.00	-	4.58	-		Pass
11a	6Mbps	1	60	5300	6.56	-		11.00	-	4.58	-		Pass
11a	6Mbps	1	64	5320	5.85	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	52	5260	6.26	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	60	5300	6.12	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	64	5320	5.56	-		11.00	-	4.58	-		Pass
HT40	MCS0	1	54	5270	1.32	-		11.00	-	4.58	-		Pass
HT40	MCS0	1	62	5310	-0.27	-		11.00	-	4.58	-		Pass
VHT80	MCS0	1	58	5290	-4.48	-		11.00	-	4.58	-		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	16.90	-	22.60	-	23.28	-	29.28	-	23.98	-	----	----
11a	6Mbps	1	104	5520	17.55	-	35.65	-	23.44	-	29.44	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.40	-	33.00	-	23.41	-	29.41	-	23.98	-	----	----
11a	6Mbps	1	136	5680	17.10	-	29.17	-	23.33	-	29.33	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.85	-	22.90	-	23.27	-	29.27	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.00	-	22.90	-	23.55	-	29.55	-	23.98	-	----	----
HT20	MCS0	1	104	5520	18.10	-	37.80	-	23.58	-	29.58	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.10	-	36.90	-	23.58	-	29.58	-	23.98	-	----	----
HT20	MCS0	1	136	5680	18.20	-	35.00	-	23.60	-	29.60	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.00	-	23.30	-	23.55	-	29.55	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.50	-	41.04	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.70	-	45.36	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.60	-	57.06	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	77.04	-	82.56	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	77.16	-	82.56	-	23.98	-	30.00	-	23.98	-	----	----

Band III straddle channel single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		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	144	5720	13.65	-	27.30	-	22.35	-	28.35	-	23.98	-	3.05	-
HT20	MCS0	1	144	5720	14.20	-	21.30	-	22.52	-	28.52	-	23.98	-	3.75	-
HT40	MCS0	1	142	5710	33.40	-	45.96	-	23.98	-	30.00	-	23.98	-	3.18	-
VHT80	MCS0	1	138	5690	73.64	-	75.80	-	23.98	-	30.00	-	23.98	-	2.76	-

TEST RESULTS DATA
Average Power Table

FCC Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	11.90	-		23.98	-	4.58	-	30	Pass
11a	6Mbps	1	104	5520	15.20	-		23.98	-	4.58	-	30	Pass
11a	6Mbps	1	116	5580	16.80	-		23.98	-	4.58	-	30	Pass
11a	6Mbps	1	136	5680	15.70	-		23.98	-	4.58	-	30	Pass
11a	6Mbps	1	140	5700	11.60	-		23.98	-	4.58	-	30	Pass
HT20	MCS0	1	100	5500	11.80	-		23.98	-	4.58	-	30	Pass
HT20	MCS0	1	104	5520	16.90	-		23.98	-	4.58	-	30	Pass
HT20	MCS0	1	116	5580	16.90	-		23.98	-	4.58	-	30	Pass
HT20	MCS0	1	136	5680	16.60	-		23.98	-	4.58	-	30	Pass
HT20	MCS0	1	140	5700	11.30	-		23.98	-	4.58	-	30	Pass
HT40	MCS0	1	102	5510	11.30	-		23.98	-	4.58	-	30	Pass
HT40	MCS0	1	110	5550	14.10	-		23.98	-	4.58	-	30	Pass
HT40	MCS0	1	134	5670	14.80	-		23.98	-	4.58	-	30	Pass
VHT20	MCS0	1	100	5500	11.70	-		23.98	-	4.58	-	30	Pass
VHT20	MCS0	1	116	5580	16.80	-		23.98	-	4.58	-	30	Pass
VHT20	MCS0	1	140	5700	11.20	-		23.98	-	4.58	-	30	Pass
VHT40	MCS0	1	102	5510	11.20	-		23.98	-	4.58	-	30	Pass
VHT40	MCS0	1	110	5550	14.00	-		23.98	-	4.58	-	30	Pass
VHT40	MCS0	1	134	5670	14.70	-		23.98	-	4.58	-	30	Pass
VHT80	MCS0	1	106	5530	8.80	-		23.98	-	4.58	-	30	Pass
VHT80	MCS0	1	122	5610	14.90	-		23.98	-	4.58	-	30	Pass

FCC Band III straddle channel 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	144	5720	16.80	-		23.98	-	4.58	-	30	Pass
HT20	MCS0	1	144	5720	16.80	-		23.98	-	4.58	-	30	Pass
HT40	MCS0	1	142	5710	14.80	-		23.98	-	4.58	-	30	Pass
VHT20	MCS0	1	144	5720	16.70	-		23.98	-	4.58	-	30	Pass
VHT40	MCS0	1	142	5710	14.70	-		23.98	-	4.58	-	30	Pass
VHT80	MCS0	1	138	5690	14.90	-		23.98	-	4.58	-	30	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	2.30	-		11.00	-	4.58	-		Pass
11a	6Mbps	1	104	5520	7.96	-		11.00	-	4.58	-		Pass
11a	6Mbps	1	116	5580	7.30	-		11.00	-	4.58	-		Pass
11a	6Mbps	1	136	5680	7.44	-		11.00	-	4.58	-		Pass
11a	6Mbps	1	140	5700	0.96	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	100	5500	1.82	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	104	5520	7.28	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	116	5580	6.61	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	136	5680	7.13	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	140	5700	0.61	-		11.00	-	4.58	-		Pass
HT40	MCS0	1	102	5510	-1.83	-		11.00	-	4.58	-		Pass
HT40	MCS0	1	110	5550	1.11	-		11.00	-	4.58	-		Pass
HT40	MCS0	1	134	5670	1.08	-		11.00	-	4.58	-		Pass
VHT80	MCS0	1	106	5530	-7.11	-		11.00	-	4.58	-		Pass
VHT80	MCS0	1	122	5610	-0.76	-		11.00	-	4.58	-		Pass

Band III straddle channel 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	144	5720	6.18	-		11.00	-	4.58	-		Pass
HT20	MCS0	1	144	5720	6.11	-		11.00	-	4.58	-		Pass
HT40	MCS0	1	142	5710	0.82	-		11.00	-	4.58	-		Pass
VHT80	MCS0	1	138	5690	-0.86	-		11.00	-	4.58	-		Pass

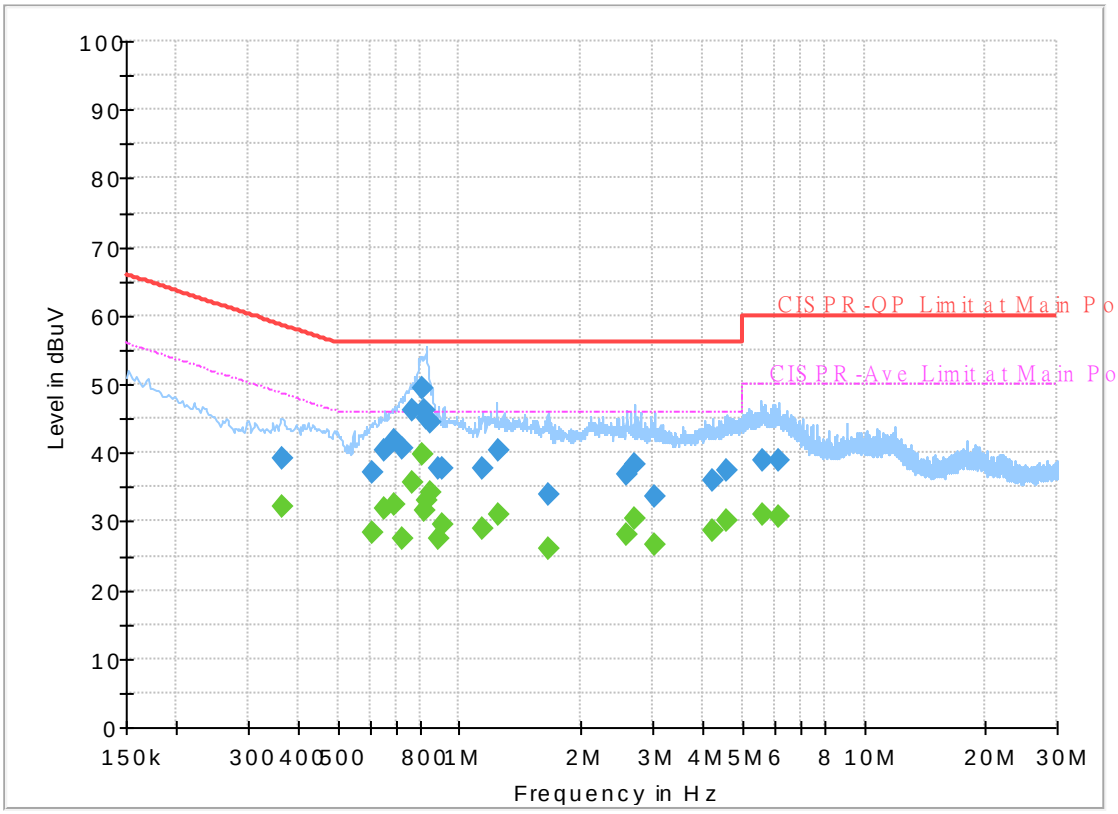
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Howard Huang	**Temperature :**	24~25℃
		Relative Humidity :	40~45%

EUT Information

Report NO :	971035-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

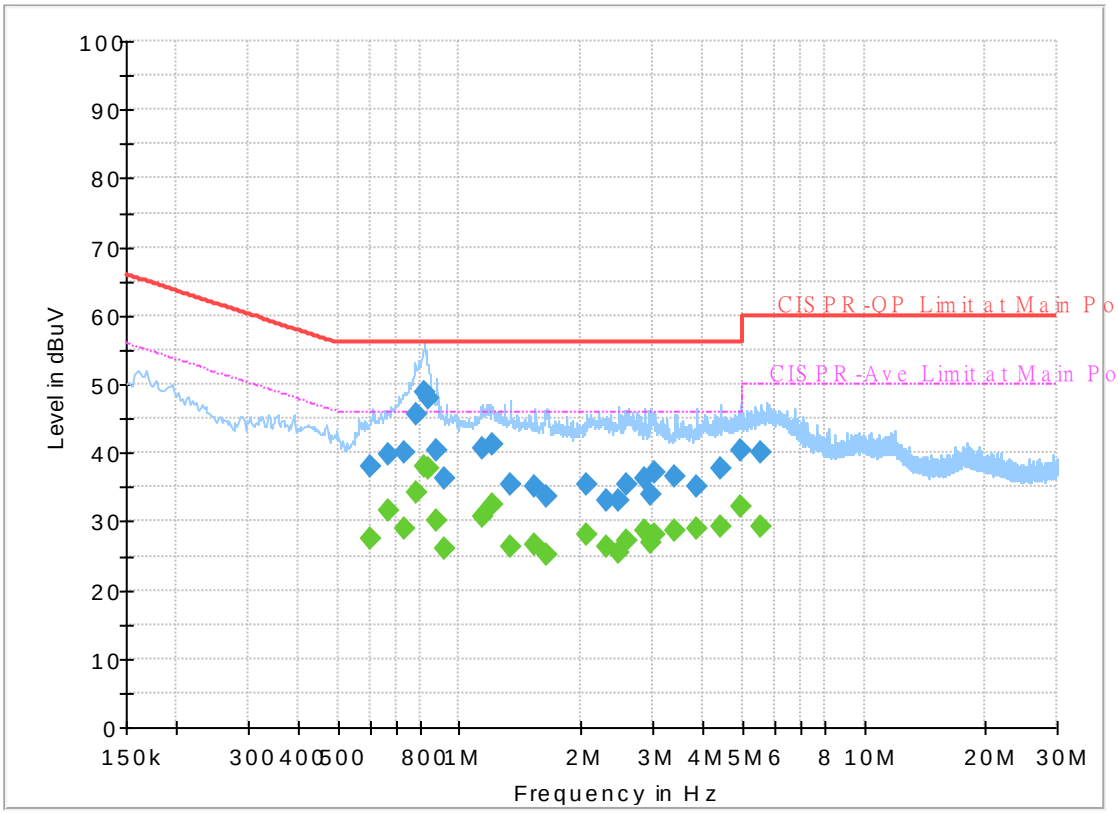
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.362760	---	32.24	48.67	16.43	L1	OFF	19.5
0.362760	39.04	---	58.67	19.63	L1	OFF	19.5
0.605850	---	28.39	46.00	17.61	L1	OFF	19.5
0.605850	37.13	---	56.00	18.87	L1	OFF	19.5
0.653280	---	31.95	46.00	14.05	L1	OFF	19.5
0.653280	40.45	---	56.00	15.55	L1	OFF	19.5
0.690360	---	32.38	46.00	13.62	L1	OFF	19.5
0.690360	41.72	---	56.00	14.28	L1	OFF	19.5
0.724920	---	27.57	46.00	18.43	L1	OFF	19.5
0.724920	40.57	---	56.00	15.43	L1	OFF	19.5
0.768750	---	35.80	46.00	10.20	L1	OFF	19.6
0.768750	46.25	---	56.00	9.75	L1	OFF	19.6
0.806280	---	39.87	46.00	6.13	L1	OFF	19.6
0.806280	49.47	---	56.00	6.53	L1	OFF	19.6
0.822750	---	31.45	46.00	14.55	L1	OFF	19.6
0.822750	46.09	---	56.00	9.91	L1	OFF	19.6
0.832560	---	33.01	46.00	12.99	L1	OFF	19.6
0.832560	45.05	---	56.00	10.95	L1	OFF	19.6
0.852000	---	34.26	46.00	11.74	L1	OFF	19.6
0.852000	44.51	---	56.00	11.49	L1	OFF	19.6
0.888360	---	27.45	46.00	18.55	L1	OFF	19.6

0.888360	37.77	---	56.00	18.23	L1	OFF	19.6
0.911400	---	29.63	46.00	16.37	L1	OFF	19.6
0.911400	37.87	---	56.00	18.13	L1	OFF	19.6
1.136220	---	29.05	46.00	16.95	L1	OFF	19.6
1.136220	37.71	---	56.00	18.29	L1	OFF	19.6
1.243500	---	30.99	46.00	15.01	L1	OFF	19.6
1.243500	40.44	---	56.00	15.56	L1	OFF	19.6
1.669740	---	25.95	46.00	20.05	L1	OFF	19.6
1.669740	33.97	---	56.00	22.03	L1	OFF	19.6
2.592510	---	28.08	46.00	17.92	L1	OFF	19.7
2.592510	36.93	---	56.00	19.07	L1	OFF	19.7
2.706000	---	30.46	46.00	15.54	L1	OFF	19.7
2.706000	38.44	---	56.00	17.56	L1	OFF	19.7
3.030000	---	26.61	46.00	19.39	L1	OFF	19.7
3.030000	33.66	---	56.00	22.34	L1	OFF	19.7
4.227000	---	28.73	46.00	17.27	L1	OFF	19.7
4.227000	35.88	---	56.00	20.12	L1	OFF	19.7
4.599870	---	30.15	46.00	15.85	L1	OFF	19.7
4.599870	37.30	---	56.00	18.70	L1	OFF	19.7
5.587620	---	31.06	50.00	18.94	L1	OFF	19.8
5.587620	38.75	---	60.00	21.25	L1	OFF	19.8
6.162000	---	30.71	50.00	19.29	L1	OFF	19.8
6.162000	38.94	---	60.00	21.06	L1	OFF	19.8

EUT Information

Report NO :	971035-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.604500	---	27.47	46.00	18.53	N	OFF	19.6
0.604500	37.95	---	56.00	18.05	N	OFF	19.6
0.664440	---	31.50	46.00	14.50	N	OFF	19.6
0.664440	39.81	---	56.00	16.19	N	OFF	19.6
0.730770	---	28.93	46.00	17.07	N	OFF	19.6
0.730770	40.20	---	56.00	15.80	N	OFF	19.6
0.782250	---	34.32	46.00	11.68	N	OFF	19.6
0.782250	45.58	---	56.00	10.42	N	OFF	19.6
0.822750	---	37.98	46.00	8.02	N	OFF	19.6
0.822750	48.91	---	56.00	7.09	N	OFF	19.6
0.834000	---	37.70	46.00	8.30	N	OFF	19.6
0.834000	47.83	---	56.00	8.17	N	OFF	19.6
0.874500	---	30.21	46.00	15.79	N	OFF	19.6
0.874500	40.34	---	56.00	15.66	N	OFF	19.6
0.921750	---	25.96	46.00	20.04	N	OFF	19.6
0.921750	36.35	---	56.00	19.65	N	OFF	19.6
1.142250	---	30.60	46.00	15.40	N	OFF	19.6
1.142250	40.78	---	56.00	15.22	N	OFF	19.6
1.205250	---	32.58	46.00	13.42	N	OFF	19.6
1.205250	41.27	---	56.00	14.73	N	OFF	19.6
1.343310	---	26.28	46.00	19.72	N	OFF	19.6

1.343310	35.24	---	56.00	20.76	N	OFF	19.6
1.537530	---	26.75	46.00	19.25	N	OFF	19.6
1.537530	35.06	---	56.00	20.94	N	OFF	19.6
1.648500	---	25.02	46.00	20.98	N	OFF	19.6
1.648500	33.50	---	56.00	22.50	N	OFF	19.6
2.058720	---	27.93	46.00	18.07	N	OFF	19.6
2.058720	35.49	---	56.00	20.51	N	OFF	19.6
2.321250	---	26.21	46.00	19.79	N	OFF	19.6
2.321250	33.14	---	56.00	22.86	N	OFF	19.6
2.470650	---	25.48	46.00	20.52	N	OFF	19.6
2.470650	33.14	---	56.00	22.86	N	OFF	19.6
2.592780	---	27.21	46.00	18.79	N	OFF	19.6
2.592780	35.24	---	56.00	20.76	N	OFF	19.6
2.880780	---	28.67	46.00	17.33	N	OFF	19.6
2.880780	36.38	---	56.00	19.62	N	OFF	19.6
2.976270	---	26.80	46.00	19.20	N	OFF	19.7
2.976270	33.78	---	56.00	22.22	N	OFF	19.7
3.051600	---	28.06	46.00	17.94	N	OFF	19.7
3.051600	37.09	---	56.00	18.91	N	OFF	19.7
3.388290	---	28.57	46.00	17.43	N	OFF	19.7
3.388290	36.63	---	56.00	19.37	N	OFF	19.7
3.851250	---	28.93	46.00	17.07	N	OFF	19.7
3.851250	35.20	---	56.00	20.80	N	OFF	19.7
4.425000	---	29.16	46.00	16.84	N	OFF	19.7
4.425000	37.64	---	56.00	18.36	N	OFF	19.7
4.974990	---	32.09	46.00	13.91	N	OFF	19.8
4.974990	40.22	---	56.00	15.78	N	OFF	19.8
5.583750	---	29.31	50.00	20.69	N	OFF	19.8
5.583750	40.14	---	60.00	19.86	N	OFF	19.8

Appendix C. Radiated Spurious Emission

Test Engineer :	Jack Cheng, Lance Chiang and Chuan Chu	Temperature :	20~24°C
		Relative Humidity :	50~56%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.76	72.3	-1.7	74	59.4	31.8	9.83	28.73	100	99	P	H
		5150	51.37	-2.63	54	38.47	31.8	9.83	28.73	100	99	A	H
	*	5180	114.43	-	-	101.55	31.74	9.87	28.73	100	99	P	H
	*	5180	104.56	-	-	91.68	31.74	9.87	28.73	100	99	A	H
		5149.76	63.39	-10.61	74	50.49	31.8	9.83	28.73	389	0	P	V
		5147.68	45.25	-8.75	54	32.36	31.8	9.82	28.73	389	0	A	V
	*	5180	106.97	-	-	94.09	31.74	9.87	28.73	389	0	P	V
	*	5180	97.05	-	-	84.17	31.74	9.87	28.73	389	0	A	V
802.11a CH 44 5220MHz		5147.94	57.15	-16.85	74	45.11	31.8	8.97	28.73	160	39	P	H
		5147.94	50.04	-3.96	54	38	31.8	8.97	28.73	160	39	A	H
	*	5220	112.34	-	-	100.45	31.58	9.04	28.73	160	39	P	H
	*	5220	105.08	-	-	93.19	31.58	9.04	28.73	160	39	A	H
		5430.6	52.07	-21.93	74	39.99	31.52	9.31	28.75	160	39	P	H
		5445.44	46.46	-7.54	54	34.3	31.58	9.33	28.75	160	39	A	H
		5078	52.72	-21.28	74	40.71	31.81	8.92	28.72	400	151	P	V
		5149.24	44.45	-9.55	54	32.41	31.8	8.97	28.73	400	151	A	V
	*	5220	106.16	-	-	94.27	31.58	9.04	28.73	400	151	P	V
	*	5220	98.9	-	-	87.01	31.58	9.04	28.73	400	151	A	V
		5460	51.25	-22.75	74	39.01	31.64	9.35	28.75	400	151	P	V
		5451.04	43.74	-10.26	54	31.55	31.6	9.34	28.75	400	151	A	V

802.11a CH 48 5240MHz		5149.24	57.73	-16.27	74	45.69	31.8	8.97	28.73	100	117	P	H
		5150	44.66	-9.34	54	32.62	31.8	8.97	28.73	100	117	A	H
	*	5240	116.9	-	-	105.11	31.46	9.06	28.73	100	117	P	H
	*	5240	106.05	-	-	94.26	31.46	9.06	28.73	100	117	A	H
		5450.76	57.19	-16.81	74	45	31.6	9.34	28.75	100	117	P	H
		5450.76	45.97	-8.03	54	33.78	31.6	9.34	28.75	100	117	A	H
		5125.32	55.76	-18.24	74	43.69	31.85	8.95	28.73	400	23	P	V
		5126.88	42.39	-11.61	54	30.31	31.85	8.96	28.73	400	23	A	V
	*	5240	111.43	-	-	99.64	31.46	9.06	28.73	400	23	P	V
	*	5240	99.32	-	-	87.53	31.46	9.06	28.73	400	23	A	V
		5407.36	54.34	-19.66	74	42.37	31.43	9.28	28.74	400	23	P	V
		5459.44	42.08	-11.92	54	29.84	31.64	9.35	28.75	400	23	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	45.68	-22.52	68.2	54.7	39.8	15.05	63.87	100	0	P	H
		15540	44.33	-29.67	74	49.72	38.02	18.51	61.92	100	0	P	H
													H
													H
		10360	44.68	-23.52	68.2	53.7	39.8	15.05	63.87	100	0	P	V
		15540	44.15	-29.85	74	49.54	38.02	18.51	61.92	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	49.76	-18.44	68.2	55.44	39.96	16.65	62.29	100	0	P	H
		15660	47.48	-26.52	74	50.33	37.78	19.81	60.44	100	0	P	H
													H
													H
		10440	49.27	-18.93	68.2	54.95	39.96	16.65	62.29	100	0	P	V
		15660	47.52	-26.48	74	50.37	37.78	19.81	60.44	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	44.58	-23.62	68.2	53.27	39.92	15.11	63.72	100	0	P	H
		15720	43.65	-30.35	74	49.41	37.62	18.61	61.99	100	0	P	H
													H
													H
		10480	45.16	-23.04	68.2	53.85	39.92	15.11	63.72	100	0	P	V
		15720	42.24	-31.76	74	48	37.62	18.61	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 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5148.72	69.68	-4.32	74	56.78	31.8	9.83	28.73	100	90	P	H
		5149.5	49.44	-4.56	54	36.54	31.8	9.83	28.73	100	90	A	H
	*	5180	113.24	-	-	100.36	31.74	9.87	28.73	100	90	P	H
	*	5180	102.02	-	-	89.14	31.74	9.87	28.73	100	90	A	H
802.11n													H
HT20													H
CH 36		5147.68	59.81	-14.19	74	46.92	31.8	9.82	28.73	388	358	P	V
5180MHz		5150	44.24	-9.76	54	31.34	31.8	9.83	28.73	388	358	A	V
	*	5180	106.82	-	-	93.94	31.74	9.87	28.73	388	358	P	V
	*	5180	95.64	-	-	82.76	31.74	9.87	28.73	388	358	A	V
													V
													V
		5147.94	66.23	-7.77	74	54.19	31.8	8.97	28.73	253	79	P	H
		5150	51.26	-2.74	54	39.22	31.8	8.97	28.73	253	79	A	H
	*	5200	112.44	-	-	100.46	31.7	9.01	28.73	253	79	P	H
	*	5200	102.37	-	-	90.39	31.7	9.01	28.73	253	79	A	H
802.11n		5424.16	55.31	-18.69	74	43.26	31.5	9.3	28.75	253	79	P	H
HT20		5425	43.74	-10.26	54	31.69	31.5	9.3	28.75	253	79	A	H
CH 40		5145.6	63.14	-10.86	74	51.09	31.81	8.97	28.73	255	88	P	V
5200MHz		5148.72	49.03	-4.97	54	36.99	31.8	8.97	28.73	255	88	A	V
	*	5200	109.36	-	-	97.38	31.7	9.01	28.73	255	88	P	V
	*	5200	99.99	-	-	88.01	31.7	9.01	28.73	255	88	A	V
		5407.64	54.97	-19.03	74	43	31.43	9.28	28.74	255	88	P	V
		5407.92	43.28	-10.72	54	31.31	31.43	9.28	28.74	255	88	A	V

		5137.28	56.13	-17.87	74	44.07	31.83	8.96	28.73	153	39	P	H
		5149.76	48.7	-5.3	54	36.66	31.8	8.97	28.73	153	39	A	H
	*	5220	111.88	-	-	99.99	31.58	9.04	28.73	153	39	P	H
	*	5220	104.75	-	-	92.86	31.58	9.04	28.73	153	39	A	H
802.11n		5428.92	54.1	-19.9	74	42.02	31.52	9.31	28.75	153	39	P	H
HT20		5428.92	47.03	-6.97	54	34.95	31.52	9.31	28.75	153	39	A	H
CH 44		5088.92	53.64	-20.36	74	41.58	31.86	8.93	28.73	400	158	P	V
5220MHz		5119.86	44.14	-9.86	54	32.06	31.86	8.95	28.73	400	158	A	V
	*	5220	105.8	-	-	93.91	31.58	9.04	28.73	400	158	P	V
	*	5220	98.48	-	-	86.59	31.58	9.04	28.73	400	158	A	V
		5448.24	51.08	-22.92	74	38.9	31.59	9.34	28.75	400	158	P	V
		5456.92	43.6	-10.4	54	31.37	31.63	9.35	28.75	400	158	A	V
		5147.94	56.45	-17.55	74	44.41	31.8	8.97	28.73	100	118	P	H
		5030.16	45.3	-8.7	54	33.56	31.58	8.88	28.72	100	118	A	H
	*	5240	118.12	-	-	106.33	31.46	9.06	28.73	100	118	P	H
	*	5240	106.02	-	-	94.23	31.46	9.06	28.73	100	118	A	H
802.11n		5450.2	56.2	-17.8	74	44.01	31.6	9.34	28.75	100	118	P	H
HT20		5449.92	46.31	-7.69	54	34.12	31.6	9.34	28.75	100	118	A	H
CH 48		5104.26	55.12	-18.88	74	43.02	31.89	8.94	28.73	400	25	P	V
5240MHz		5105.56	43.38	-10.62	54	31.28	31.89	8.94	28.73	400	25	A	V
	*	5240	111.56	-	-	99.77	31.46	9.06	28.73	400	25	P	V
	*	5240	101.42	-	-	89.63	31.46	9.06	28.73	400	25	A	V
		5450.48	55.22	-18.78	74	43.03	31.6	9.34	28.75	400	25	P	V
		5427.52	42.63	-11.37	54	30.56	31.51	9.31	28.75	400	25	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	44.91	-23.29	68.2	53.93	39.8	15.05	63.87	100	0	P	H
		15540	44.6	-29.4	74	49.99	38.02	18.51	61.92	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	45.12	-23.08	68.2	54.14	39.8	15.05	63.87	100	0	P	V
5180MHz		15540	44.36	-29.64	74	49.75	38.02	18.51	61.92	100	0	P	V
													V
													V
		10400	51.04	-17.16	68.2	56.65	40	16.61	62.22	100	0	P	H
		15600	48.07	-25.93	74	50.92	37.9	19.79	60.54	100	0	P	H
802.11n													H
HT20													H
CH 40		10400	51.95	-16.25	68.2	57.56	40	16.61	62.22	100	0	P	V
5200MHz		15600	47.74	-26.26	74	50.59	37.9	19.79	60.54	100	0	P	V
													V
													V
		10440	50.24	-17.96	68.2	55.92	39.96	16.65	62.29	100	0	P	H
		15660	47.58	-26.42	74	50.43	37.78	19.81	60.44	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	49.96	-18.24	68.2	55.64	39.96	16.65	62.29	100	0	P	V
5220MHz		15660	47.14	-26.86	74	49.99	37.78	19.81	60.44	100	0	P	V
													V
													V

		10480	45.22	-22.98	68.2	54.62	39.92	14.4	63.72	100	0	P	H
		15720	41.91	-32.09	74	48.33	37.62	17.95	61.99	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	45.53	-22.67	68.2	54.93	39.92	14.4	63.72	100	0	P	V
5240MHz		15720	42.29	-31.71	74	48.71	37.62	17.95	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 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5150	65.3	-8.7	74	52.4	31.8	9.83	28.73	100	98	P	H
		5148.98	51.84	-2.16	54	38.94	31.8	9.83	28.73	100	98	A	H
	*	5190	107.09	-	-	94.21	31.72	9.89	28.73	100	98	P	H
	*	5190	96.64	-	-	83.76	31.72	9.89	28.73	100	98	A	H
		5403.72	55.47	-18.53	74	42.64	31.41	10.16	28.74	100	98	P	H
		5444.32	43.52	-10.48	54	30.48	31.58	10.21	28.75	100	98	A	H
		5090.22	57.23	-16.77	74	44.36	31.86	9.74	28.73	384	7	P	V
		5149.24	44.57	-9.43	54	31.67	31.8	9.83	28.73	384	7	A	V
	*	5190	99.7	-	-	86.82	31.72	9.89	28.73	384	7	P	V
	*	5190	89.63	-	-	76.75	31.72	9.89	28.73	384	7	A	V
		5389.44	54.7	-19.3	74	41.94	31.36	10.14	28.74	384	7	P	V
		5451.6	43.45	-10.55	54	30.37	31.61	10.22	28.75	384	7	A	V
802.11n HT40 CH 46 5230MHz		5149.24	65.5	-8.5	74	52.6	31.8	9.83	28.73	100	101	P	H
		5149.5	49.89	-4.11	54	36.99	31.8	9.83	28.73	100	101	A	H
	*	5230	111.29	-	-	98.56	31.52	9.94	28.73	100	101	P	H
	*	5230	101.11	-	-	88.38	31.52	9.94	28.73	100	101	A	H
		5353.04	57.92	-16.08	74	45.36	31.21	10.09	28.74	100	101	P	H
		5355.56	44.92	-9.08	54	32.35	31.22	10.09	28.74	100	101	A	H
		5123.76	58.02	-15.98	74	45.11	31.85	9.79	28.73	400	19	P	V
		5140.92	44.5	-9.5	54	31.6	31.82	9.81	28.73	400	19	A	V
	*	5230	105.07	-	-	92.34	31.52	9.94	28.73	400	19	P	V
	*	5230	95.05	-	-	82.32	31.52	9.94	28.73	400	19	A	V
		5424.44	56.22	-17.78	74	43.29	31.5	10.18	28.75	400	19	P	V
		5378.52	43.5	-10.5	54	30.81	31.31	10.12	28.74	400	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	45.51	-22.69	68.2	54.39	39.9	15.06	63.84	100	0	P	H
		15570	42.66	-31.34	74	48.1	37.96	18.53	61.93	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	45.17	-23.03	68.2	54.05	39.9	15.06	63.84	100	0	P	V
5190MHz		15570	42.49	-31.51	74	47.93	37.96	18.53	61.93	100	0	P	V
													V
													V
		10460	44.86	-23.34	68.2	53.57	39.94	15.1	63.75	100	0	P	H
		15690	42.24	-31.76	74	47.91	37.72	18.59	61.98	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	44.61	-23.59	68.2	53.32	39.94	15.1	63.75	100	0	P	V
5230MHz		15690	42.19	-31.81	74	47.86	37.72	18.59	61.98	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5145.6	61.26	-12.74	74	48.36	31.81	9.82	28.73	100	97	P	H
		5148.46	52.32	-1.68	54	39.42	31.8	9.83	28.73	100	97	A	H
	*	5210	101.6	-	-	88.78	31.64	9.91	28.73	100	97	P	H
	*	5210	91.78	-	-	78.96	31.64	9.91	28.73	100	97	A	H
		5436.76	56.7	-17.3	74	43.7	31.55	10.2	28.75	100	97	P	H
		5358.36	46.15	-7.85	54	33.56	31.23	10.1	28.74	100	97	A	H
		5065.26	55.63	-18.37	74	42.89	31.76	9.7	28.72	382	18	P	V
		5131.04	45.45	-8.55	54	32.54	31.84	9.8	28.73	382	18	A	V
	*	5210	94.93	-	-	82.11	31.64	9.91	28.73	382	18	P	V
	*	5210	85.01	-	-	72.19	31.64	9.91	28.73	382	18	A	V
		5405.12	55.11	-18.89	74	42.27	31.42	10.16	28.74	382	18	P	V
		5367.04	44.81	-9.19	54	32.17	31.27	10.11	28.74	382	18	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	46.42	-21.78	68.2	55.16	39.98	15.08	63.8	100	0	P	H
		15630	42.84	-31.16	74	48.39	37.84	18.56	61.95	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	45.95	-22.25	68.2	54.69	39.98	15.08	63.8	100	0	P	V
5210MHz		15630	43.29	-30.71	74	48.84	37.84	18.56	61.95	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5048.28	58.39	-15.61	74	45.74	31.69	9.68	28.72	101	99	P	H
		5048.62	46.35	-7.65	54	33.7	31.69	9.68	28.72	101	99	A	H
	*	5260	115.81	-	-	103.18	31.4	9.97	28.74	101	99	P	H
	*	5260	106.37	-	-	93.74	31.4	9.97	28.74	101	99	A	H
		5359.44	58.51	-15.49	74	45.91	31.24	10.1	28.74	101	99	P	H
		5350.56	44.73	-9.27	54	32.18	31.2	10.09	28.74	101	99	A	H
		5082.96	55.5	-18.5	74	42.66	31.83	9.73	28.72	399	359	P	V
		5107.1	43.21	-10.79	54	30.28	31.89	9.77	28.73	399	359	A	V
	*	5260	109.36	-	-	96.73	31.4	9.97	28.74	399	359	P	V
	*	5260	99.83	-	-	87.2	31.4	9.97	28.74	399	359	A	V
		5459.76	55.74	-18.26	74	42.62	31.64	10.23	28.75	399	359	P	V
		5443.68	42.81	-11.19	54	29.78	31.57	10.21	28.75	399	359	A	V
802.11a CH 60 5300MHz		5084.32	54.02	-19.98	74	41.99	31.84	8.92	28.73	155	38	P	H
		5087.04	45.2	-8.8	54	33.15	31.85	8.93	28.73	155	38	A	H
	*	5300	112.08	-	-	100.28	31.4	9.14	28.74	155	38	P	H
	*	5300	105.12	-	-	93.32	31.4	9.14	28.74	155	38	A	H
		5352.96	60.53	-13.47	74	48.85	31.21	9.21	28.74	155	38	P	H
		5350.08	51.86	-2.14	54	40.19	31.2	9.21	28.74	155	38	A	H
		5120.7	53.55	-20.45	74	41.47	31.86	8.95	28.73	391	175	P	V
		5123.42	43.88	-10.12	54	31.81	31.85	8.95	28.73	391	175	A	V
	*	5300	103.83	-	-	92.03	31.4	9.14	28.74	391	175	P	V
	*	5300	96.66	-	-	84.86	31.4	9.14	28.74	391	175	A	V
		5451.36	52.86	-21.14	74	40.66	31.61	9.34	28.75	391	175	P	V
		5350.32	43.97	-10.03	54	32.3	31.2	9.21	28.74	391	175	A	V

802.11a CH 64 5320MHz	*	5320	114.63	-	-	102	31.32	10.05	28.74	110	139	P	H
	*	5320	105.17	-	-	92.54	31.32	10.05	28.74	110	139	A	H
		5353.12	69.64	-4.36	74	57.08	31.21	10.09	28.74	110	139	P	H
		5350.72	52.45	-1.55	54	39.9	31.2	10.09	28.74	110	139	A	H
													H
													H
	*	5320	104.89	-	-	92.26	31.32	10.05	28.74	400	83	P	V
	*	5320	95.25	-	-	82.62	31.32	10.05	28.74	400	83	A	V
		5355.52	60.61	-13.39	74	48.04	31.22	10.09	28.74	400	83	P	V
		5351.36	45.43	-8.57	54	32.87	31.21	10.09	28.74	400	83	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.23	-21.97	68.2	54.84	39.94	15.14	63.69	100	0	P	H
		15780	42.04	-31.96	74	48.03	37.38	18.64	62.01	100	0	P	H
													H
													H
		10520	46.36	-21.84	68.2	54.97	39.94	15.14	63.69	100	0	P	V
		15780	42.75	-31.25	74	48.74	37.38	18.64	62.01	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	49.62	-24.38	74	55.14	40.1	16.82	62.44	100	0	P	H
		15900	46.86	-27.14	74	49.49	37.6	19.83	60.06	100	0	P	H
													H
													H
		10600	49.92	-24.08	74	55.44	40.1	16.82	62.44	100	0	P	V
		15900	46.35	-27.65	74	48.98	37.6	19.83	60.06	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	44.52	-29.48	74	52.96	39.98	15.2	63.62	100	0	P	H
		15960	42.4	-31.6	74	48.26	37.48	18.74	62.08	100	0	P	H
													H
													H
		10640	45.84	-28.16	74	54.28	39.98	15.2	63.62	100	0	P	V
		15960	42.03	-31.97	74	47.89	37.48	18.74	62.08	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5048.62	58.26	-15.74	74	45.61	31.69	9.68	28.72	105	99	P	H
		5049.3	46.5	-7.5	54	33.84	31.7	9.68	28.72	105	99	A	H
	*	5260	116.92	-	-	104.29	31.4	9.97	28.74	105	99	P	H
	*	5260	105.76	-	-	93.13	31.4	9.97	28.74	105	99	A	H
		5351.28	57.31	-16.69	74	44.75	31.21	10.09	28.74	105	99	P	H
		5350.56	44.49	-9.51	54	31.94	31.2	10.09	28.74	105	99	A	H
		5100.3	55.52	-18.48	74	42.59	31.9	9.76	28.73	400	358	P	V
		5110.5	43.1	-10.9	54	30.18	31.88	9.77	28.73	400	358	A	V
	*	5260	110.33	-	-	97.7	31.4	9.97	28.74	400	358	P	V
	*	5260	98.92	-	-	86.29	31.4	9.97	28.74	400	358	A	V
		5440.56	56.31	-17.69	74	43.29	31.56	10.21	28.75	400	358	P	V
		5417.52	42.63	-11.37	54	29.74	31.47	10.17	28.75	400	358	A	V
802.11n HT20 CH 60 5300MHz		5083.98	53.13	-20.87	74	41.1	31.84	8.92	28.73	161	39	P	H
		5087.38	45.41	-8.59	54	33.36	31.85	8.93	28.73	161	39	A	H
	*	5300	111.99	-	-	100.19	31.4	9.14	28.74	161	39	P	H
	*	5300	104.91	-	-	93.11	31.4	9.14	28.74	161	39	A	H
		5359.2	61.32	-12.68	74	49.6	31.24	9.22	28.74	161	39	P	H
		5350.56	52.43	-1.57	54	40.76	31.2	9.21	28.74	161	39	A	H
		5097.58	53.11	-20.89	74	41.02	31.89	8.93	28.73	374	220	P	V
		5070.04	43.87	-10.13	54	31.9	31.78	8.91	28.72	374	220	A	V
	*	5300	101.85	-	-	90.05	31.4	9.14	28.74	374	220	P	V
	*	5300	94.14	-	-	82.34	31.4	9.14	28.74	374	220	A	V
		5376.96	52.29	-21.71	74	40.48	31.31	9.24	28.74	374	220	P	V
		5350.56	44.21	-9.79	54	32.54	31.2	9.21	28.74	374	220	A	V
		5097.58	53.11	-20.89	74	41.02	31.89	8.93	28.73	374	220	P	V

	*	5320	115.94	-	-	103.31	31.32	10.05	28.74	102	139	P	H
	*	5320	104.43	-	-	91.8	31.32	10.05	28.74	102	139	A	H
		5350.24	69.1	-4.9	74	56.55	31.2	10.09	28.74	102	139	P	H
		5351.2	52.39	-1.61	54	39.84	31.2	10.09	28.74	102	139	A	H
802.11n													H
HT20													H
CH 64	*	5320	105.69	-	-	93.06	31.32	10.05	28.74	400	83	P	V
5320MHz	*	5320	94.52	-	-	81.89	31.32	10.05	28.74	400	83	A	V
		5350.56	61.86	-12.14	74	49.31	31.2	10.09	28.74	400	83	P	V
		5350.88	45.47	-8.53	54	32.92	31.2	10.09	28.74	400	83	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	46.61	-21.59	68.2	55.22	39.94	15.14	63.69	100	0	P	H
		15780	43.59	-30.41	74	49.58	37.38	18.64	62.01	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	46.24	-21.96	68.2	54.85	39.94	15.14	63.69	100	0	P	V
5260MHz		15780	42.1	-31.9	74	48.09	37.38	18.64	62.01	100	0	P	V
													V
													V
		10600	51.04	-22.96	74	56.56	40.1	16.82	62.44	300	94	P	H
		10600	40.91	-13.09	54	46.43	40.1	16.82	62.44	300	94	A	H
802.11n		15900	46.38	-27.62	74	49.01	37.6	19.83	60.06	100	0	P	H
HT20													H
CH 60		10600	51.03	-22.97	74	56.55	40.1	16.82	62.44	100	24	P	V
5300MHz		10600	40.93	-13.07	54	46.45	40.1	16.82	62.44	100	24	A	V
		15900	46.04	-27.96	74	48.67	37.6	19.83	60.06	100	0	P	V
													V
		10640	44.78	-29.22	74	53.22	39.98	15.2	63.62	100	0	P	H
		15960	41.68	-32.32	74	47.54	37.48	18.74	62.08	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	44.61	-29.39	74	53.05	39.98	15.2	63.62	100	0	P	V
5320MHz		15960	42.17	-31.83	74	48.03	37.48	18.74	62.08	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.18	58.36	-15.64	74	45.46	31.81	9.82	28.73	100	100	P	H
		5148.24	45.59	-8.41	54	32.7	31.8	9.82	28.73	100	100	A	H
	*	5270	110.63	-	-	97.98	31.4	9.99	28.74	100	100	P	H
	*	5270	100.21	-	-	87.56	31.4	9.99	28.74	100	100	A	H
802.11n		5352.48	66.3	-7.7	74	53.74	31.21	10.09	28.74	100	100	P	H
HT40		5351.76	48.16	-5.84	54	35.6	31.21	10.09	28.74	100	100	A	H
CH 54		5139.06	55.87	-18.13	74	42.97	31.82	9.81	28.73	376	358	P	V
5270MHz		5134.98	43.65	-10.35	54	30.74	31.83	9.81	28.73	376	358	A	V
	*	5270	104.23	-	-	91.58	31.4	9.99	28.74	376	358	P	V
	*	5270	93.84	-	-	81.19	31.4	9.99	28.74	376	358	A	V
		5352.72	57.87	-16.13	74	45.31	31.21	10.09	28.74	376	358	P	V
		5367.12	43.55	-10.45	54	30.91	31.27	10.11	28.74	376	358	A	V
		5143.82	56.06	-17.94	74	43.16	31.81	9.82	28.73	100	142	P	H
		5139.74	43.46	-10.54	54	30.56	31.82	9.81	28.73	100	142	A	H
	*	5310	108.53	-	-	95.87	31.36	10.04	28.74	100	142	P	H
	*	5310	98.45	-	-	85.79	31.36	10.04	28.74	100	142	A	H
802.11n		5351.52	68.9	-5.1	74	56.34	31.21	10.09	28.74	100	142	P	H
HT40		5350.32	50.9	-3.1	54	38.35	31.2	10.09	28.74	100	142	A	H
CH 62		5132.26	56.08	-17.92	74	43.17	31.84	9.8	28.73	390	0	P	V
5310MHz		5136.68	43.35	-10.65	54	30.44	31.83	9.81	28.73	390	0	A	V
	*	5310	102.35	-	-	89.69	31.36	10.04	28.74	390	0	P	V
	*	5310	92.29	-	-	79.63	31.36	10.04	28.74	390	0	A	V
		5351.04	61	-13	74	48.45	31.2	10.09	28.74	390	0	P	V
		5351.04	44.58	-9.42	54	32.03	31.2	10.09	28.74	390	0	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	45.39	-22.81	68.2	53.94	39.98	15.15	63.68	100	0	P	H
		15810	42.91	-31.09	74	48.94	37.33	18.66	62.02	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	44.84	-23.36	68.2	53.39	39.98	15.15	63.68	100	0	P	V
5270MHz		15810	42.44	-31.56	74	48.47	37.33	18.66	62.02	100	0	P	V
													V
													V
		10620	45.71	-28.29	74	54.11	40.04	15.19	63.63	100	0	P	H
		15930	43.17	-30.83	74	48.97	37.54	18.73	62.07	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	45.58	-28.42	74	53.98	40.04	15.19	63.63	100	0	P	V
5310MHz		15930	42.42	-31.58	74	48.22	37.54	18.73	62.07	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5133.28	59.26	-14.74	74	46.36	31.83	9.8	28.73	100	99	P	H
		5140.76	49.25	-4.75	54	36.35	31.82	9.81	28.73	100	99	A	H
	*	5290	104.91	-	-	92.24	31.4	10.01	28.74	100	99	P	H
	*	5290	94.56	-	-	81.89	31.4	10.01	28.74	100	99	A	H
		5354.64	63.29	-10.71	74	50.72	31.22	10.09	28.74	100	99	P	H
		5351.52	51.72	-2.28	54	39.16	31.21	10.09	28.74	100	99	A	H
		5144.84	56.28	-17.72	74	43.38	31.81	9.82	28.73	373	356	P	V
		5136.34	46.14	-7.86	54	33.23	31.83	9.81	28.73	373	356	A	V
	*	5290	98.21	-	-	85.54	31.4	10.01	28.74	373	356	P	V
	*	5290	88.18	-	-	75.51	31.4	10.01	28.74	373	356	A	V
		5435.04	55.58	-18.42	74	42.59	31.54	10.2	28.75	373	356	P	V
		5378.64	45.96	-8.04	54	33.27	31.31	10.12	28.74	373	356	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	45.66	-22.54	68.2	54.08	40.06	15.17	63.65	100	0	P	H
		15870	41.84	-32.16	74	47.69	37.51	18.69	62.05	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.14	-22.06	68.2	54.56	40.06	15.17	63.65	100	0	P	V
5290MHz		15870	42.78	-31.22	74	48.63	37.51	18.69	62.05	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5459.5	62.95	-11.05	74	49.83	31.64	10.23	28.75	118	140	P	H
		5460.88	64.65	-3.55	68.2	51.52	31.64	10.24	28.75	118	140	P	H
		5459.28	48.75	-5.25	54	35.63	31.64	10.23	28.75	118	140	A	H
	*	5500	111.47	-	-	98.13	31.8	10.29	28.75	118	140	P	H
	*	5500	101.58	-	-	88.24	31.8	10.29	28.75	118	140	A	H
													H
		5456.72	57.82	-16.18	74	44.71	31.63	10.23	28.75	395	84	P	V
		5470	60.29	-7.91	68.2	47.11	31.68	10.25	28.75	395	84	P	V
		5459.44	44.22	-9.78	54	31.1	31.64	10.23	28.75	395	84	A	V
	*	5500	104.76	-	-	91.42	31.8	10.29	28.75	395	84	P	V
	*	5500	94.86	-	-	81.52	31.8	10.29	28.75	395	84	A	V
													V
802.11a CH 104 5520MHz		5456.8	63.23	-10.77	74	51	31.63	9.35	28.75	100	27	P	H
		5467.36	66.3	-1.9	68.2	54.02	31.67	9.36	28.75	100	27	P	H
		5459.44	47.29	-6.71	54	35.05	31.64	9.35	28.75	100	27	A	H
	*	5520	111.47	-	-	99.04	31.76	9.43	28.76	100	27	P	H
	*	5520	101.6	-	-	89.17	31.76	9.43	28.76	100	27	A	H
		5744.525	57.04	-11.16	68.2	44.23	31.98	9.72	28.89	100	27	P	H
		5456.32	55.86	-18.14	74	43.63	31.63	9.35	28.75	285	99	P	V
		5470	61.01	-7.19	68.2	48.72	31.68	9.36	28.75	285	99	P	V
		5452	43.33	-10.67	54	31.13	31.61	9.34	28.75	285	99	A	V
	*	5520	105.75	-	-	93.32	31.76	9.43	28.76	285	99	P	V
	*	5520	95.89	-	-	83.46	31.76	9.43	28.76	285	99	A	V
		5743.58	55.84	-12.36	68.2	43.04	31.97	9.72	28.89	285	99	P	V

802.11a CH 116 5580MHz		5355.04	57.46	-16.54	74	44.89	31.22	10.09	28.74	102	140	P	H
		5464.72	56.94	-11.26	68.2	43.79	31.66	10.24	28.75	102	140	P	H
		5355.28	45.87	-8.13	54	33.3	31.22	10.09	28.74	102	140	A	H
	*	5580	115.87	-	-	102.5	31.76	10.4	28.79	102	140	P	H
	*	5580	106.36	-	-	92.99	31.76	10.4	28.79	102	140	A	H
		5725.94	57.09	-11.11	68.2	43.57	31.9	10.5	28.88	102	140	P	H
		5376.16	56.95	-17.05	74	44.27	31.3	10.12	28.74	400	85	P	V
		5461.12	55.52	-12.68	68.2	42.39	31.64	10.24	28.75	400	85	P	V
		5455.84	43.05	-10.95	54	29.95	31.62	10.23	28.75	400	85	A	V
	*	5580	109.07	-	-	95.7	31.76	10.4	28.79	400	85	P	V
	*	5580	99.31	-	-	85.94	31.76	10.4	28.79	400	85	A	V
		5744.525	56.71	-11.49	68.2	43.11	31.98	10.51	28.89	400	85	P	V
802.11a CH 136 5680MHz		5429.45	54.82	-19.18	74	42.74	31.52	9.31	28.75	106	96	P	H
		5462.35	54.52	-13.68	68.2	42.27	31.65	9.35	28.75	106	96	P	H
		5450.8	43.2	-10.8	54	31.01	31.6	9.34	28.75	106	96	A	H
	*	5680	111.8	-	-	99.29	31.72	9.64	28.85	106	96	P	H
	*	5680	101.84	-	-	89.33	31.72	9.64	28.85	106	96	A	H
		5728.95	65.55	-2.65	68.2	52.81	31.92	9.7	28.88	106	96	P	H
		5426.3	54.17	-19.83	74	42.1	31.51	9.31	28.75	100	112	P	V
		5467.95	56.33	-11.87	68.2	44.05	31.67	9.36	28.75	100	112	P	V
		5446.6	42.33	-11.67	54	30.16	31.59	9.33	28.75	100	112	A	V
	*	5680	107.07	-	-	94.56	31.72	9.64	28.85	100	112	P	V
	*	5680	97.18	-	-	84.67	31.72	9.64	28.85	100	112	A	V
		5728.6	61.32	-6.88	68.2	48.59	31.91	9.7	28.88	100	112	P	V
802.11a CH 140 5700MHz	*	5700	110.31	-	-	96.88	31.8	10.49	28.86	106	139	P	H
	*	5700	100.85	-	-	87.42	31.8	10.49	28.86	106	139	A	H
		5727.64	62.63	-5.57	68.2	49.1	31.91	10.5	28.88	106	139	P	H
	*	5700	103.61	-	-	90.18	31.8	10.49	28.86	383	83	P	V
	*	5700	94.01	-	-	80.58	31.8	10.49	28.86	383	83	A	V
		5734.52	58.71	-9.49	68.2	45.15	31.94	10.5	28.88	383	83	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	44.55	-29.45	74	52.36	40.2	15.39	63.4	100	0	P	H
		16500	44.44	-23.76	68.2	48.53	39	19.21	62.3	100	0	P	H
													H
													H
		11000	44.43	-29.57	74	52.24	40.2	15.39	63.4	100	0	P	V
		16500	44.08	-24.12	68.2	48.17	39	19.21	62.3	100	0	P	V
													V
													V
802.11a CH 104 5520MHz		11040	53.02	-20.98	74	58.22	40.12	17.26	62.58	112	4	P	H
		11040	39.12	-14.88	54	44.32	40.12	17.26	62.58	112	4	A	H
		16560	49.48	-18.72	68.2	48.85	39.36	20.43	59.16	100	0	P	H
													H
		11040	53.02	-20.98	74	58.22	40.12	17.26	62.58	117	343	P	V
		11040	38.94	-15.06	54	44.14	40.12	17.26	62.58	117	343	A	V
		16560	49.32	-18.88	68.2	48.69	39.36	20.43	59.16	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	45.31	-28.69	74	53.4	39.82	15.52	63.43	100	0	P	H
		16740	45.68	-22.52	68.2	48.25	40.18	19.41	62.16	100	0	P	H
													H
													H
		11160	45.04	-28.96	74	53.13	39.82	15.52	63.43	100	0	P	V
		16740	45.43	-22.77	68.2	48	40.18	19.41	62.16	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

802.11a CH 136 5680MHz		11360	53.11	-20.89	74	58.1	39.82	17.57	62.38	117	358	P	H
		11360	38.71	-15.29	54	43.7	39.82	17.57	62.38	117	358	A	H
		17040	51.48	-16.72	68.2	48.97	40.4	20.94	58.83	100	0	P	H
													H
		11360	52.42	-21.58	74	57.41	39.82	17.57	62.38	350	78	P	V
		11360	38.51	-15.49	54	43.5	39.82	17.57	62.38	350	78	A	V
		17040	50.9	-17.3	68.2	48.39	40.4	20.94	58.83	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	44.4	-29.6	74	52.26	39.9	15.72	63.48	100	0	P	H
		17100	45.53	-22.67	68.2	47.52	40.1	19.77	61.86	100	0	P	H
													H
													H
		11400	44.86	-29.14	74	52.72	39.9	15.72	63.48	100	0	P	V
		17100	45.99	-22.21	68.2	47.98	40.1	19.77	61.86	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5441.04	61.47	-12.53	74	48.45	31.56	10.21	28.75	105	150	P	H
		5467.92	63.53	-4.67	68.2	50.36	31.67	10.25	28.75	105	150	P	H
		5459.28	48.07	-5.93	54	34.95	31.64	10.23	28.75	105	150	A	H
	*	5500	111.01	-	-	97.67	31.8	10.29	28.75	105	150	P	H
802.11n	*	5500	100.22	-	-	86.88	31.8	10.29	28.75	105	150	A	H
HT20													H
CH 100		5460.08	56.61	-11.59	68.2	43.49	31.64	10.23	28.75	395	83	P	V
5500MHz		5462.48	57.37	-10.83	68.2	44.23	31.65	10.24	28.75	395	83	P	V
		5459.76	44.04	-9.96	54	30.92	31.64	10.23	28.75	395	83	A	V
	*	5500	105.75	-	-	92.41	31.8	10.29	28.75	395	83	P	V
	*	5500	94.35	-	-	81.01	31.8	10.29	28.75	395	83	A	V
													V
		5459.2	61.97	-12.03	74	49.73	31.64	9.35	28.75	256	90	P	H
		5468.8	65.33	-2.87	68.2	53.04	31.68	9.36	28.75	256	90	P	H
		5459.92	47.95	-6.05	54	35.71	31.64	9.35	28.75	256	90	A	H
	*	5520	111.13	-	-	98.7	31.76	9.43	28.76	256	90	P	H
802.11n	*	5520	100.4	-	-	87.97	31.76	9.43	28.76	256	90	A	H
HT20		5740.745	55.18	-13.02	68.2	42.38	31.96	9.72	28.88	256	90	P	H
CH 104		5458.48	56.23	-17.77	74	44	31.63	9.35	28.75	236	71	P	V
5520MHz		5467.36	58.15	-10.05	68.2	45.87	31.67	9.36	28.75	236	71	P	V
		5458.96	43.92	-10.08	54	31.68	31.64	9.35	28.75	236	71	A	V
	*	5520	106.63	-	-	94.2	31.76	9.43	28.76	236	71	P	V
	*	5520	95.6	-	-	83.17	31.76	9.43	28.76	236	71	A	V
		5760.905	55.19	-13.01	68.2	42.33	32.02	9.74	28.9	236	71	P	V

		5354.8	57.71	-16.29	74	45.14	31.22	10.09	28.74	101	139	P	H
		5465.2	57.33	-10.87	68.2	44.18	31.66	10.24	28.75	101	139	P	H
		5354.8	46.47	-7.53	54	33.9	31.22	10.09	28.74	101	139	A	H
	*	5580	117.85	-	-	104.48	31.76	10.4	28.79	101	139	P	H
802.11n	*	5580	106.53	-	-	93.16	31.76	10.4	28.79	101	139	A	H
HT20		5726.255	57.2	-11	68.2	43.67	31.91	10.5	28.88	101	139	P	H
CH 116		5454.88	55.59	-18.41	74	42.49	31.62	10.23	28.75	384	83	P	V
5580MHz		5462.56	54.98	-13.22	68.2	41.84	31.65	10.24	28.75	384	83	P	V
		5454.4	43.05	-10.95	54	29.95	31.62	10.23	28.75	384	83	A	V
	*	5580	109.87	-	-	96.5	31.76	10.4	28.79	384	83	P	V
	*	5580	99.41	-	-	86.04	31.76	10.4	28.79	384	83	A	V
		5730.035	57.27	-10.93	68.2	43.73	31.92	10.5	28.88	384	83	P	V
		5448.7	53.87	-20.13	74	41.69	31.59	9.34	28.75	256	94	P	H
		5468.3	53.43	-14.77	68.2	41.15	31.67	9.36	28.75	256	94	P	H
		5451.5	42.33	-11.67	54	30.13	31.61	9.34	28.75	256	94	A	H
	*	5680	110.9	-	-	98.39	31.72	9.64	28.85	256	94	P	H
802.11n	*	5680	100.36	-	-	87.85	31.72	9.64	28.85	256	94	A	H
HT20		5725	64.89	-3.31	68.2	52.17	31.9	9.7	28.88	256	94	P	H
CH 136		5439.95	54.44	-19.56	74	42.31	31.56	9.32	28.75	252	72	P	V
5680MHz		5464.45	53.87	-14.33	68.2	41.6	31.66	9.36	28.75	252	72	P	V
		5449.4	41.51	-12.49	54	29.32	31.6	9.34	28.75	252	72	A	V
	*	5680	106.4	-	-	93.89	31.72	9.64	28.85	252	72	P	V
	*	5680	95.02	-	-	82.51	31.72	9.64	28.85	252	72	A	V
		5727.725	61.78	-6.42	68.2	49.05	31.91	9.7	28.88	252	72	P	V

	*	5700	111.57	-	-	98.14	31.8	10.49	28.86	109	139	P	H
	*	5700	100.8	-	-	87.37	31.8	10.49	28.86	109	139	A	H
		5725.24	65.26	-2.94	68.2	51.74	31.9	10.5	28.88	109	139	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	104.78	-	-	91.35	31.8	10.49	28.86	386	84	P	V
5700MHz	*	5700	93.94	-	-	80.51	31.8	10.49	28.86	386	84	A	V
		5739.96	59.22	-8.98	68.2	45.63	31.96	10.51	28.88	386	84	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	44.27	-29.73	74	52.08	40.2	15.39	63.4	100	0	P	H
		16500	44.76	-23.44	68.2	48.85	39	19.21	62.3	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	45	-29	74	52.81	40.2	15.39	63.4	100	0	P	V
5500MHz		16500	44.3	-23.9	68.2	48.39	39	19.21	62.3	100	0	P	V
													V
													V
		11040	52.88	-21.12	74	58.08	40.12	17.26	62.58	100	260	P	H
		11040	39.87	-14.13	54	45.07	40.12	17.26	62.58	100	260	A	H
802.11n		16560	50.14	-18.06	68.2	49.51	39.36	20.43	59.16	100	0	P	H
HT20													H
CH 104		11040	52.28	-21.72	74	57.48	40.12	17.26	62.58	128	348	P	V
5520MHz		11040	39.38	-14.62	54	44.58	40.12	17.26	62.58	128	348	A	V
		16560	49.53	-18.67	68.2	48.9	39.36	20.43	59.16	100	0	P	V
													V
		11160	44.82	-29.18	74	52.91	39.82	15.52	63.43	100	0	P	H
		16740	45.93	-22.27	68.2	48.5	40.18	19.41	62.16	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	44.97	-29.03	74	53.06	39.82	15.52	63.43	100	0	P	V
5580MHz		16740	45.46	-22.74	68.2	48.03	40.18	19.41	62.16	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

		11360	52.23	-21.77	74	57.22	39.82	17.57	62.38	100	254	P	H
		11360	39.67	-14.33	54	44.66	39.82	17.57	62.38	100	254	A	H
802.11n		17040	51.11	-17.09	68.2	48.6	40.4	20.94	58.83	100	0	P	H
HT20													H
CH 136		11360	53.34	-20.66	74	58.33	39.82	17.57	62.38	100	314	P	V
5680MHz		11360	40.2	-13.8	54	45.19	39.82	17.57	62.38	100	314	A	V
		17040	50.85	-17.35	68.2	48.34	40.4	20.94	58.83	100	0	P	V
													V
		11400	45.43	-28.57	74	53.29	39.9	15.72	63.48	100	0	P	H
		17100	44.76	-23.44	68.2	46.75	40.1	19.77	61.86	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	44.88	-29.12	74	52.74	39.9	15.72	63.48	100	0	P	V
5700MHz		17100	44.79	-23.41	68.2	46.78	40.1	19.77	61.86	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5450.32	62.65	-11.35	74	49.58	31.6	10.22	28.75	100	141	P	H
		5467.36	65.64	-2.56	68.2	52.48	31.67	10.24	28.75	100	141	P	H
		5458.72	49.26	-4.74	54	36.15	31.63	10.23	28.75	100	141	A	H
	*	5510	107.48	-	-	94.16	31.78	10.3	28.76	100	141	P	H
802.11n	*	5510	96.9	-	-	83.58	31.78	10.3	28.76	100	141	A	H
HT40		5756.18	56.69	-11.51	68.2	43.05	32.01	10.52	28.89	100	141	P	H
CH 102		5457.76	55.46	-18.54	74	42.35	31.63	10.23	28.75	400	22	P	V
5510MHz		5469.52	57.26	-10.94	68.2	44.08	31.68	10.25	28.75	400	22	P	V
		5457.76	43.8	-10.2	54	30.69	31.63	10.23	28.75	400	22	A	V
	*	5510	99.73	-	-	86.41	31.78	10.3	28.76	400	22	P	V
	*	5510	89.56	-	-	76.24	31.78	10.3	28.76	400	22	A	V
		5753.03	56.38	-11.82	68.2	42.75	32.01	10.51	28.89	400	22	P	V
		5453.2	64.12	-9.88	74	51.04	31.61	10.22	28.75	100	142	P	H
		5470	64.81	-3.39	68.2	51.63	31.68	10.25	28.75	100	142	P	H
		5457.52	48.05	-5.95	54	34.94	31.63	10.23	28.75	100	142	A	H
	*	5550	110.35	-	-	97.07	31.7	10.36	28.78	100	142	P	H
802.11n	*	5550	99.75	-	-	86.47	31.7	10.36	28.78	100	142	A	H
HT40		5750.825	57.27	-10.93	68.2	43.65	32	10.51	28.89	100	142	P	H
CH 110		5453.44	56.29	-17.71	74	43.21	31.61	10.22	28.75	369	80	P	V
5550MHz		5467.12	57.89	-10.31	68.2	44.73	31.67	10.24	28.75	369	80	P	V
		5458.48	44.05	-9.95	54	30.94	31.63	10.23	28.75	369	80	A	V
	*	5550	104.04	-	-	90.76	31.7	10.36	28.78	369	80	P	V
	*	5550	93.43	-	-	80.15	31.7	10.36	28.78	369	80	A	V
		5749.565	56.39	-11.81	68.2	42.77	32	10.51	28.89	369	80	P	V

		5453.95	56.31	-17.69	74	43.21	31.62	10.23	28.75	100	142	P	H
		5468.65	55.28	-12.92	68.2	42.11	31.67	10.25	28.75	100	142	P	H
		5438.9	43.92	-10.08	54	30.91	31.56	10.2	28.75	100	142	A	H
	*	5670	110.85	-	-	97.55	31.68	10.47	28.85	100	142	P	H
802.11n	*	5670	100.75	-	-	87.45	31.68	10.47	28.85	100	142	A	H
HT40		5733.675	66.12	-2.08	68.2	52.57	31.93	10.5	28.88	100	142	P	H
CH 134		5446.25	55.9	-18.1	74	42.85	31.59	10.21	28.75	350	79	P	V
5670MHz		5460.6	55.27	-12.93	68.2	42.15	31.64	10.23	28.75	350	79	P	V
		5432.6	43.55	-10.45	54	30.57	31.53	10.2	28.75	350	79	A	V
	*	5670	104.52	-	-	91.22	31.68	10.47	28.85	350	79	P	V
	*	5670	94.28	-	-	80.98	31.68	10.47	28.85	350	79	A	V
		5726.15	59.24	-8.96	68.2	45.72	31.9	10.5	28.88	350	79	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	44.88	-29.12	74	52.72	40.16	15.4	63.4	100	0	P	H
		16530	45.09	-23.11	68.2	48.96	39.18	19.23	62.28	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	44.58	-29.42	74	52.42	40.16	15.4	63.4	100	0	P	V
5510MHz		16530	44.33	-23.87	68.2	48.2	39.18	19.23	62.28	100	0	P	V
													V
													V
		11100	44.95	-29.05	74	52.9	40	15.47	63.42	100	0	P	H
		16650	45.42	-22.78	68.2	48.44	39.85	19.34	62.21	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	46.54	-27.46	74	54.49	40	15.47	63.42	100	0	P	V
5550MHz		16650	44.7	-23.5	68.2	47.72	39.85	19.34	62.21	100	0	P	V
													V
													V
		11340	46.09	-27.91	74	54.11	39.78	15.67	63.47	100	0	P	H
		17010	45.93	-22.27	68.2	47.72	40.55	19.65	61.99	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	45.92	-28.08	74	53.94	39.78	15.67	63.47	100	0	P	V
5670MHz		17010	46.29	-21.91	68.2	48.08	40.55	19.65	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 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.8	62.07	-11.93	74	48.96	31.63	10.23	28.75	100	34	P	H
		5468.8	63.76	-4.44	68.2	50.58	31.68	10.25	28.75	100	34	P	H
		5458.96	52.32	-1.68	54	39.2	31.64	10.23	28.75	100	34	A	H
	*	5530	101.28	-	-	87.98	31.74	10.33	28.77	100	34	P	H
802.11ac	*	5530	91.67	-	-	78.37	31.74	10.33	28.77	100	34	A	H
VHT80		5747.675	57.36	-10.84	68.2	43.75	31.99	10.51	28.89	100	34	P	H
CH 106		5455.6	58.97	-15.03	74	45.87	31.62	10.23	28.75	318	95	P	V
5530MHz		5461.12	58.48	-9.72	68.2	45.35	31.64	10.24	28.75	318	95	P	V
		5441.44	48.19	-5.81	54	35.16	31.57	10.21	28.75	318	95	A	V
	*	5530	96.98	-	-	83.68	31.74	10.33	28.77	318	95	P	V
	*	5530	87.72	-	-	74.42	31.74	10.33	28.77	318	95	A	V
		5747.045	56.44	-11.76	68.2	42.83	31.99	10.51	28.89	318	95	P	V
		5456.56	63.28	-10.72	74	50.17	31.63	10.23	28.75	100	28	P	H
		5469.76	65.15	-3.05	68.2	51.97	31.68	10.25	28.75	100	28	P	H
		5458.24	52.16	-1.84	54	39.05	31.63	10.23	28.75	100	28	A	H
	*	5610	106.8	-	-	93.41	31.76	10.44	28.81	100	28	P	H
802.11ac	*	5610	97.14	-	-	83.75	31.76	10.44	28.81	100	28	A	H
VHT80		5726.57	63.29	-4.91	68.2	49.76	31.91	10.5	28.88	100	28	P	H
CH 122		5459.44	58.92	-15.08	74	45.8	31.64	10.23	28.75	308	95	P	V
5610MHz		5468.56	59.35	-8.85	68.2	46.18	31.67	10.25	28.75	308	95	P	V
		5458.96	49.37	-4.63	54	36.25	31.64	10.23	28.75	308	95	A	V
	*	5610	102.2	-	-	88.81	31.76	10.44	28.81	308	95	P	V
	*	5610	92.76	-	-	79.37	31.76	10.44	28.81	308	95	A	V
		5730.98	60.46	-7.74	68.2	46.92	31.92	10.5	28.88	308	95	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	45.48	-28.52	74	53.38	40.08	15.43	63.41	100	0	P	H
		16590	45.58	-22.62	68.2	49.01	39.54	19.28	62.25	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	45.08	-28.92	74	52.98	40.08	15.43	63.41	100	0	P	V
5530MHz		16590	45.58	-22.62	68.2	49.01	39.54	19.28	62.25	100	0	P	V
													V
													V
		11220	44.02	-29.98	74	52.19	39.7	15.57	63.44	100	0	P	H
		16830	45.09	-23.11	68.2	47.37	40.33	19.49	62.1	100	0	P	H
802.11ac													H
VHT80													H
CH 122		11220	44.44	-29.56	74	52.61	39.7	15.57	63.44	100	0	P	V
5610MHz		16830	45.29	-22.91	68.2	47.57	40.33	19.49	62.1	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5457.64	55.34	-18.66	74	42.23	31.63	10.23	28.75	102	139	P	H
		5470	55.41	-12.79	68.2	42.23	31.68	10.25	28.75	102	139	P	H
		5459.98	42.89	-11.11	54	29.77	31.64	10.23	28.75	102	139	A	H
	*	5720	115.25	-	-	101.74	31.88	10.5	28.87	102	139	P	H
	*	5720	105.71	-	-	92.2	31.88	10.5	28.87	102	139	A	H
		5865.75	59.04	-9.16	68.2	45.16	32.23	10.6	28.95	102	139	P	H
		5426.83	55.5	-18.5	74	42.55	31.51	10.19	28.75	400	80	P	V
		5470.12	54.3	-95.7	150	41.12	31.68	10.25	28.75	400	80	P	V
		5458.42	42.63	-11.37	54	29.52	31.63	10.23	28.75	400	80	A	V
	*	5720	108.35	-	-	94.84	31.88	10.5	28.87	400	80	P	V
	*	5720	98.92	-	-	85.41	31.88	10.5	28.87	400	80	A	V
		5921.5	58.26	-9.94	68.2	44.21	32.39	10.65	28.99	400	80	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	45.26	-28.74	74	53.06	39.94	15.75	63.49	100	0	P	H
		17160	46.13	-22.07	68.2	47.6	40.46	19.85	61.78	100	0	P	H
													H
													H
		11440	45.04	-28.96	74	52.84	39.94	15.75	63.49	100	0	P	V
		17160	47.98	-20.22	68.2	49.45	40.46	19.85	61.78	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5358.19	57.16	-16.84	74	44.57	31.23	10.1	28.74	100	139	P	H
		5467.78	55.87	-12.33	68.2	42.71	31.67	10.24	28.75	100	139	P	H
		5422.93	43.37	-10.63	54	30.45	31.49	10.18	28.75	100	139	A	H
	*	5720	117.12	-	-	103.61	31.88	10.5	28.87	100	139	P	H
	*	5720	105.84	-	-	92.33	31.88	10.5	28.87	100	139	A	H
		5942.5	58.81	-9.39	68.2	44.67	32.47	10.67	29	100	139	P	H
		5385.88	55.19	-18.81	74	42.46	31.34	10.13	28.74	383	84	P	V
		5467.78	54.79	-13.41	68.2	41.63	31.67	10.24	28.75	383	84	P	V
		5429.56	42.85	-11.15	54	29.89	31.52	10.19	28.75	383	84	A	V
	*	5720	110.84	-	-	97.33	31.88	10.5	28.87	383	84	P	V
	*	5720	99.58	-	-	86.07	31.88	10.5	28.87	383	84	A	V
		5876.75	57.92	-10.28	68.2	44.02	32.25	10.61	28.96	383	84	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	45.46	-28.54	74	53.26	39.94	15.75	63.49	100	0	P	H
		17160	46.34	-21.86	68.2	47.81	40.46	19.85	61.78	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	44.96	-29.04	74	52.76	39.94	15.75	63.49	100	0	P	V
5720MHz		17160	47.08	-21.12	68.2	48.55	40.46	19.85	61.78	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 - Straddle Channel

WIFI 802.11n 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5394.07	55.91	-18.09	74	43.13	31.38	10.14	28.74	100	48	P	H
		5465.83	55.17	-13.03	68.2	42.02	31.66	10.24	28.75	100	48	P	H
		5453.35	43.59	-10.41	54	30.51	31.61	10.22	28.75	100	48	A	H
	*	5710	108.17	-	-	94.71	31.84	10.49	28.87	100	48	P	H
	*	5710	98.01	-	-	84.55	31.84	10.49	28.87	100	48	A	H
		5927.25	57.84	-10.36	68.2	43.77	32.41	10.65	28.99	100	48	P	H
		5430.34	56.16	-17.84	74	43.2	31.52	10.19	28.75	301	114	P	V
		5468.56	55.46	-12.74	68.2	42.29	31.67	10.25	28.75	301	114	P	V
		5398.36	43.49	-10.51	54	30.69	31.39	10.15	28.74	301	114	A	V
	*	5710	103.82	-	-	90.36	31.84	10.49	28.87	301	114	P	V
	*	5710	93.95	-	-	80.49	31.84	10.49	28.87	301	114	A	V
		5930	57.27	-10.93	68.2	43.18	32.42	10.66	28.99	301	114	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	43.84	-30.16	74	51.66	39.92	15.74	63.48	100	0	P	H
		17130	46.1	-22.1	68.2	47.83	40.28	19.81	61.82	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	44.41	-29.59	74	52.23	39.92	15.74	63.48	100	0	P	V
5710MHz		17130	45.95	-22.25	68.2	47.68	40.28	19.81	61.82	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5453.74	56.19	-17.81	74	43.1	31.61	10.23	28.75	100	31	P	H
		5469.73	57.31	-10.89	68.2	44.13	31.68	10.25	28.75	100	31	P	H
		5458.81	47.02	-6.98	54	33.9	31.64	10.23	28.75	100	31	A	H
	*	5690	105.46	-	-	92.08	31.76	10.48	28.86	100	31	P	H
	*	5690	96.18	-	-	82.8	31.76	10.48	28.86	100	31	A	H
		5853.75	61.5	-6.7	68.2	47.65	32.21	10.59	28.95	100	31	P	H
		5396.41	55.9	-18.1	74	43.1	31.39	10.15	28.74	302	92	P	V
		5463.88	54.58	-13.62	68.2	41.43	31.66	10.24	28.75	302	92	P	V
		5427.61	45.68	-8.32	54	32.73	31.51	10.19	28.75	302	92	A	V
	*	5690	101.07	-	-	87.69	31.76	10.48	28.86	302	92	P	V
	*	5690	91.64	-	-	78.26	31.76	10.48	28.86	302	92	A	V
		5862.75	58.3	-9.9	68.2	44.42	32.23	10.6	28.95	302	92	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	45.46	-28.54	74	53.38	39.86	15.7	63.48	100	0	P	H
		17070	45.33	-22.87	68.2	47.24	40.25	19.74	61.9	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	45.64	-28.36	74	53.56	39.86	15.7	63.48	100	0	P	V
5690MHz		17070	45.11	-23.09	68.2	47.02	40.25	19.74	61.9	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 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	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)
		62.01	28.96	-11.04	40	46.65	11.61	1.16	30.46	-	-	P	H
		215.27	32.55	-10.95	43.5	45.94	14.87	2.03	30.29	-	-	P	H
		220.12	29.84	-16.16	46	42.86	15.22	2.04	30.28	-	-	P	H
		666.32	35.26	-10.74	46	34.85	26.23	3.74	29.56	-	-	P	H
		903	34.25	-11.75	46	29.85	29.02	4.51	29.13	-	-	P	H
		947.62	35.99	-10.01	46	29.85	30.49	4.65	29	100	0	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		30.97	31.4	-8.6	40	36.74	24.01	0.85	30.2	100	0	P	V
		213.33	25.75	-17.75	43.5	39.14	14.89	2.02	30.3	-	-	P	V
		222.06	26.59	-19.41	46	39.49	15.34	2.04	30.28	-	-	P	V
		664.38	35.69	-10.31	46	35.3	26.22	3.73	29.56	-	-	P	V
		868.08	34.79	-11.21	46	30.54	29.03	4.41	29.19	-	-	P	V
		954.41	36.22	-9.78	46	29.76	30.77	4.67	28.98	-	-	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	Cable	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. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable 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) + Cable 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

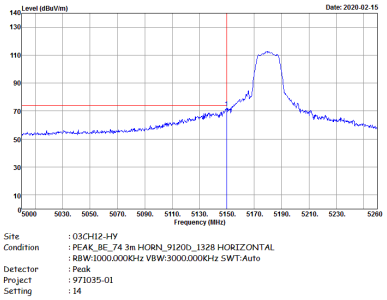
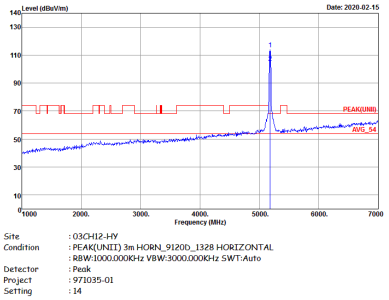
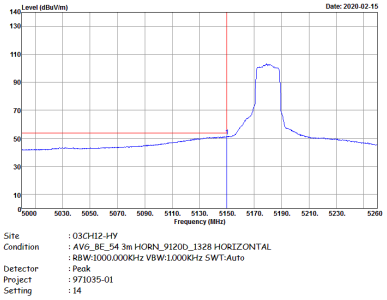
Test Engineer :	Jack Cheng, Lance Chiang and Chuan Chu	**Temperature :**	20~24°C
		Relative Humidity :	50~56%

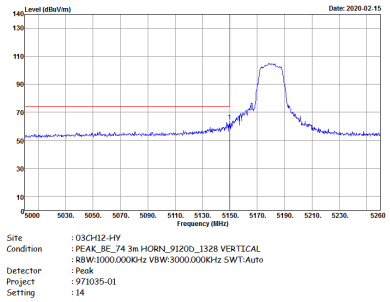
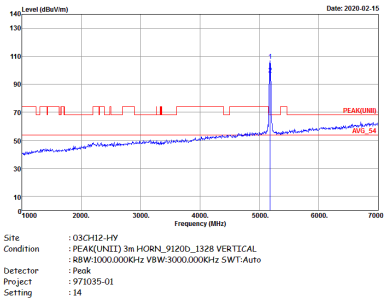
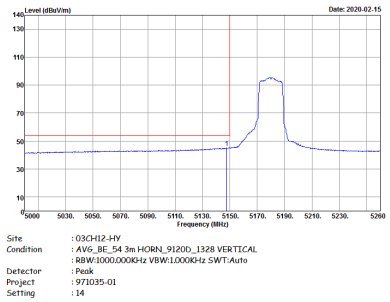
Note symbol

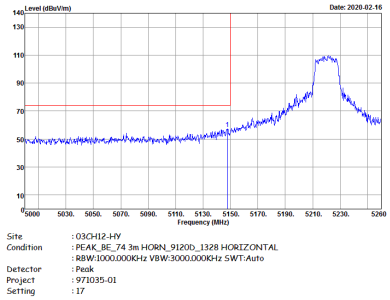
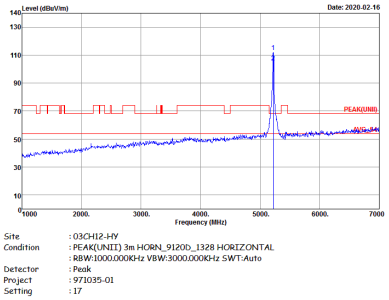
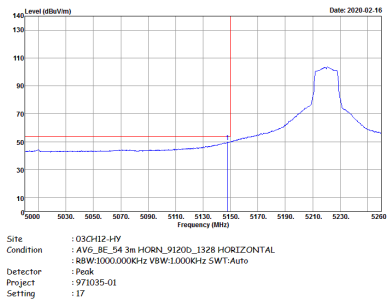
-L	**Low channel location**
-R	**High channel location**

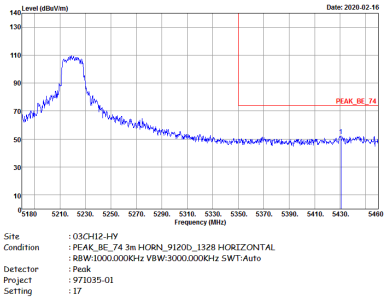
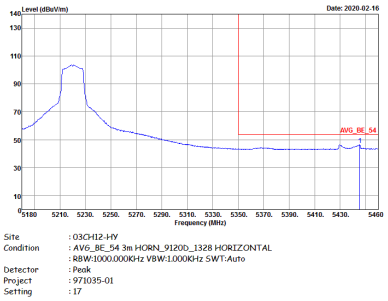
Band 1 - 5150~5250MHz

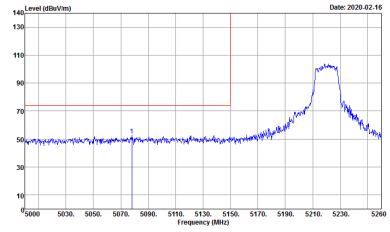
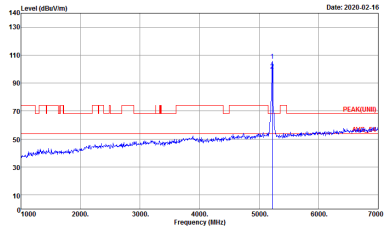
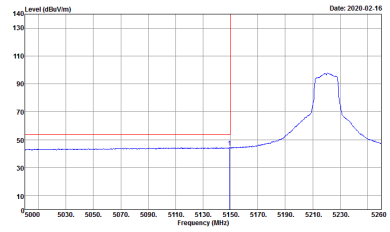
WIFI 802.11a (Band Edge @ 3m)

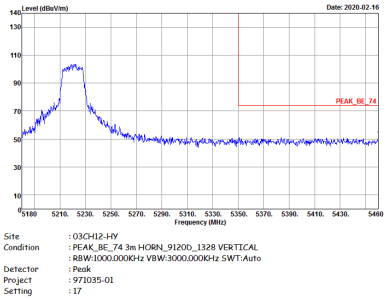
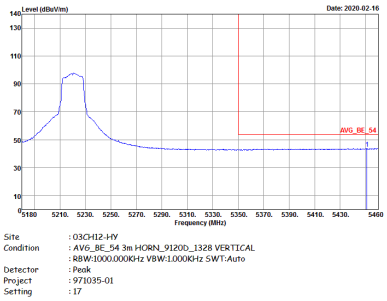
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

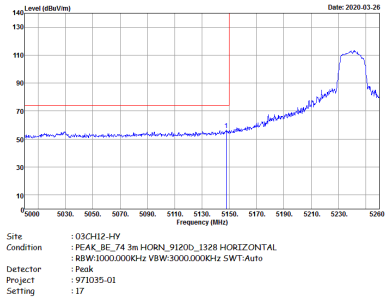
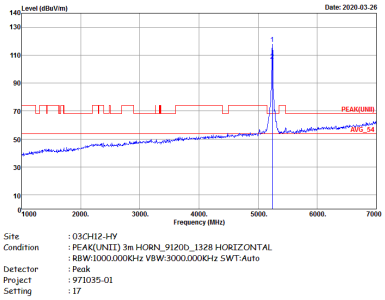
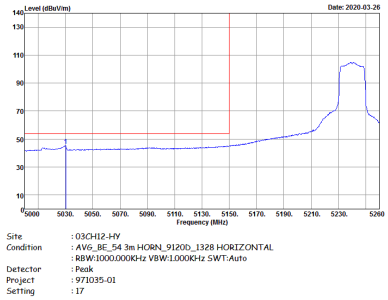
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

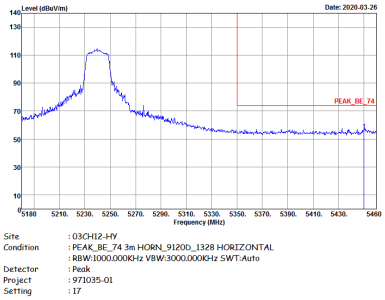
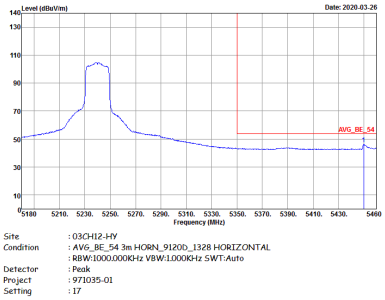
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

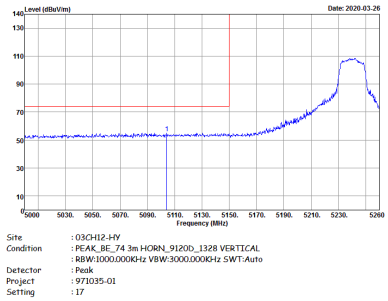
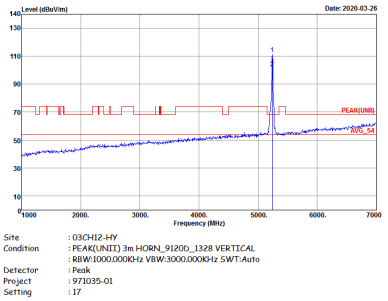
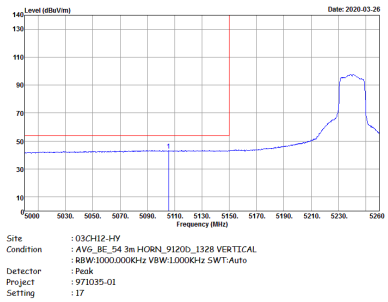
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

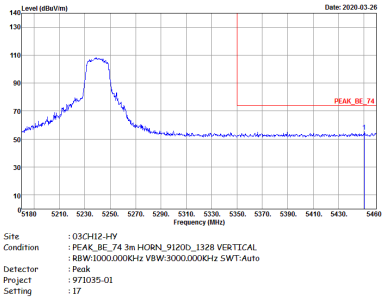
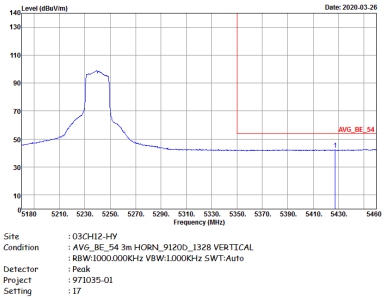
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	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

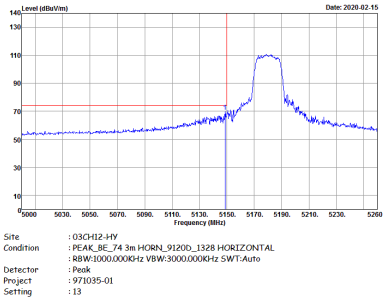
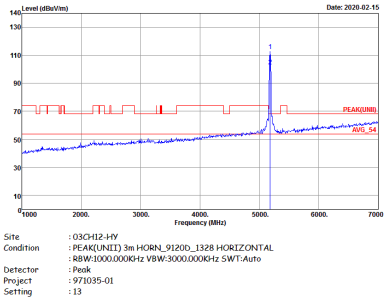
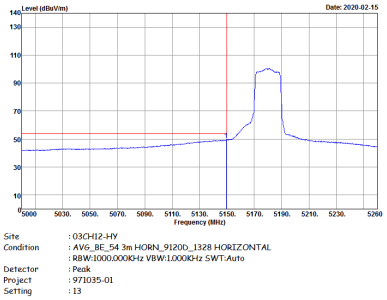
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

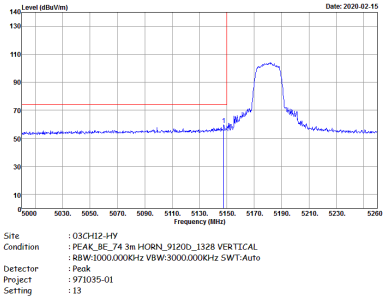
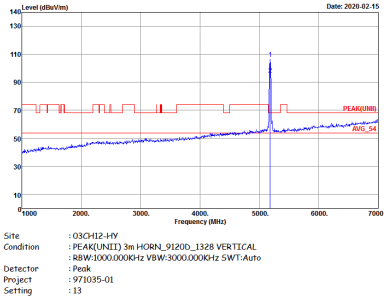
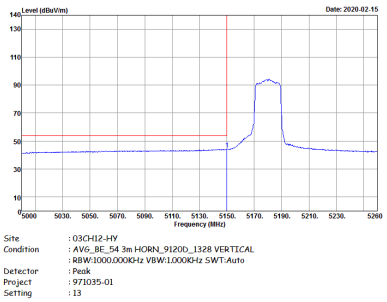
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

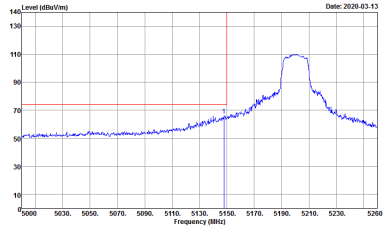
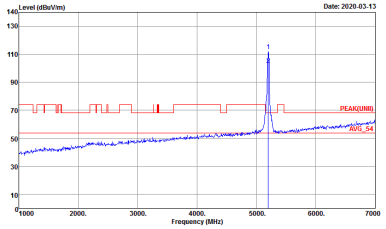
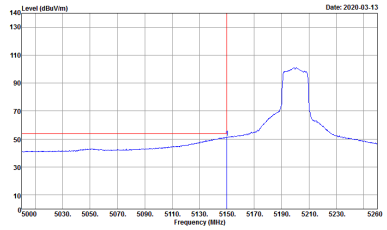
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

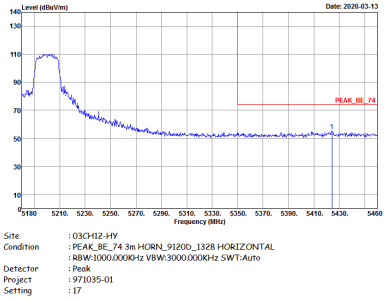
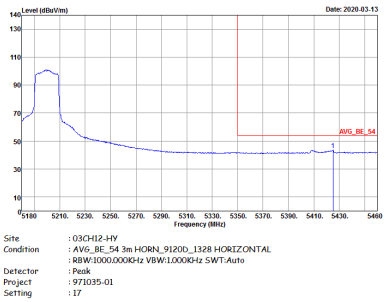
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

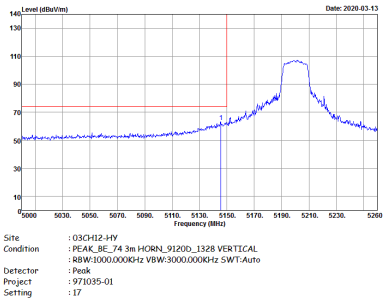
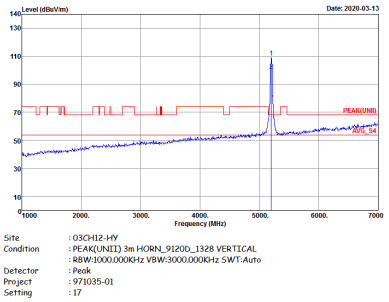
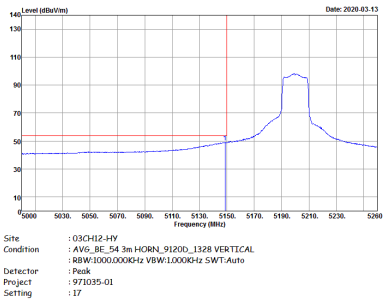
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

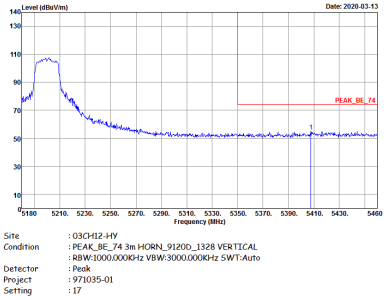
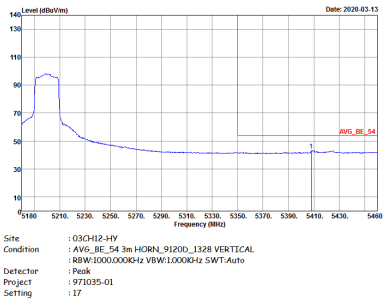
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

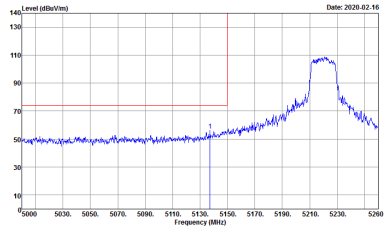
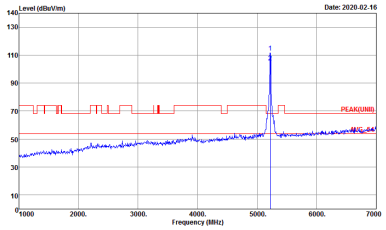
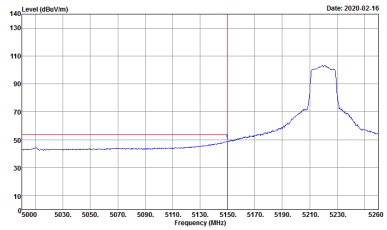
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

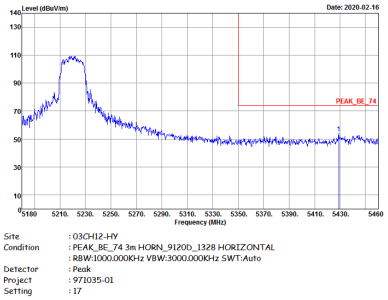
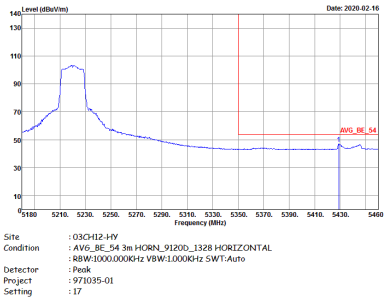
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH40 5200MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	Left blank

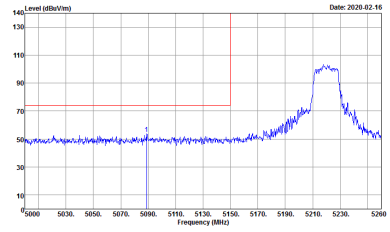
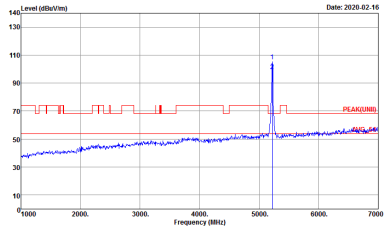
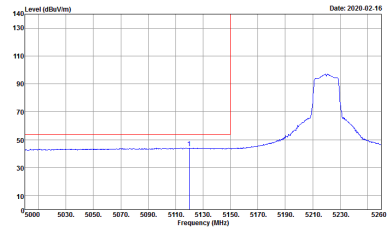
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH40 5200MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	Left blank

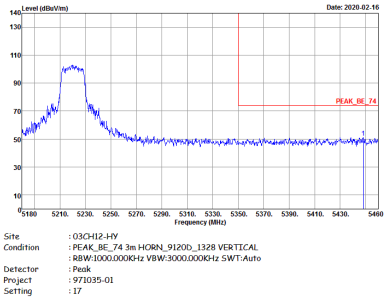
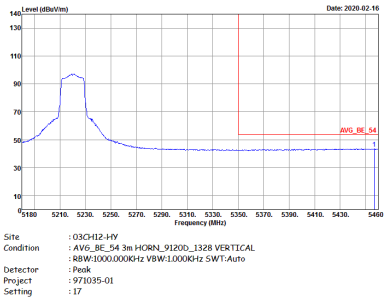
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH40 5200MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

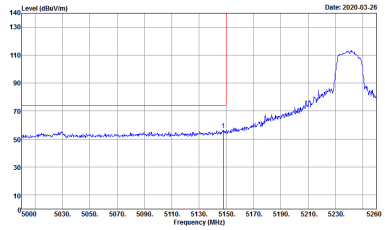
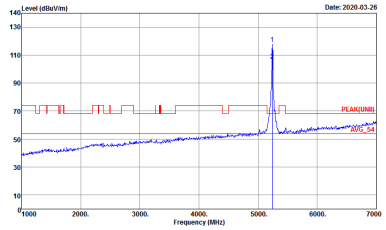
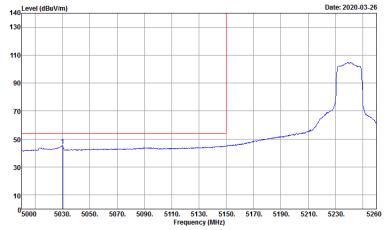
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH40 5200MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

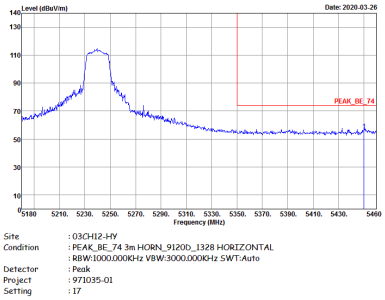
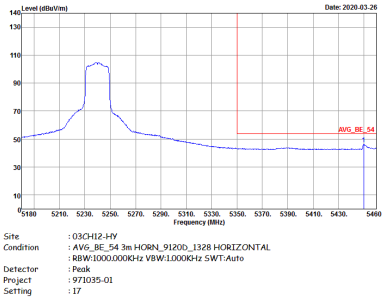
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	Left blank

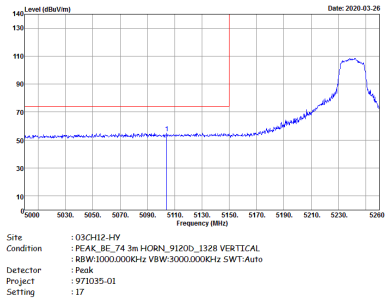
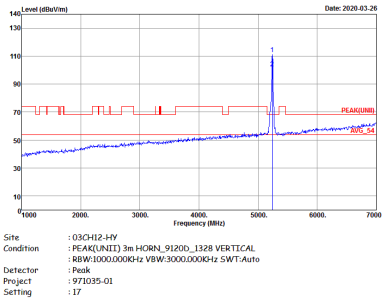
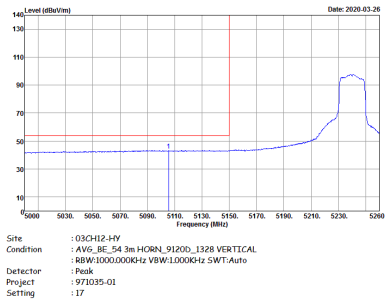
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

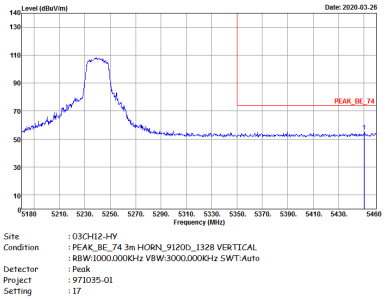
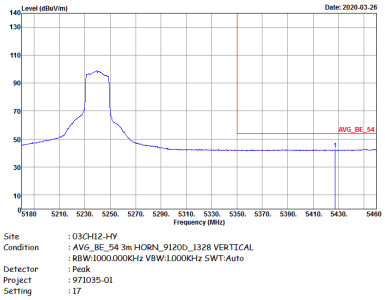
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	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

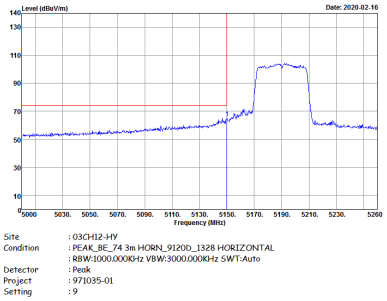
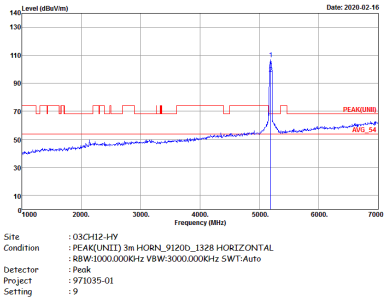
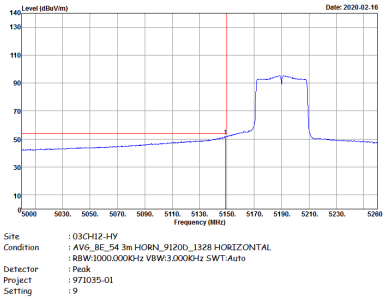
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

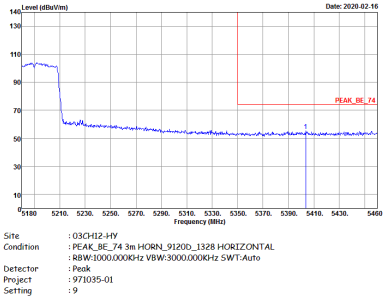
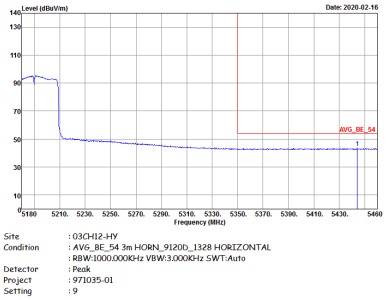
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

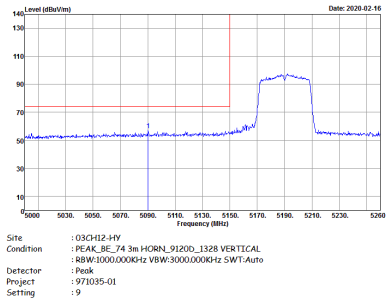
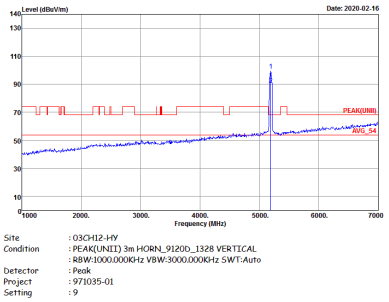
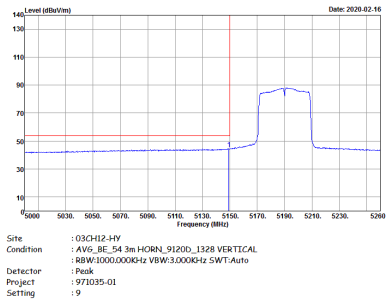
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

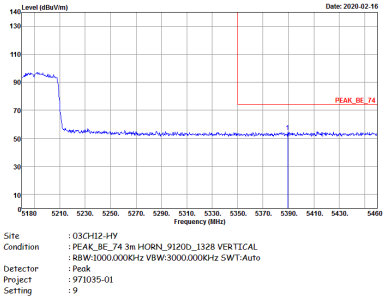
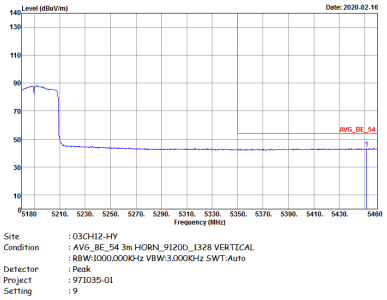
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

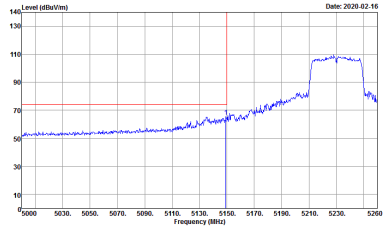
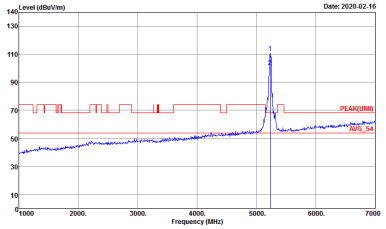
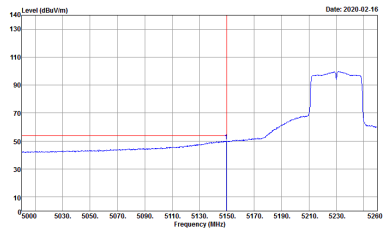
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

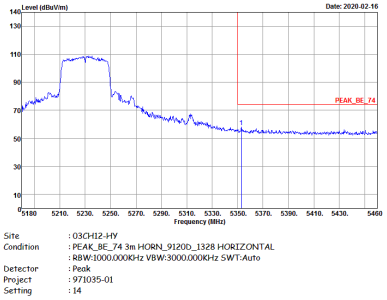
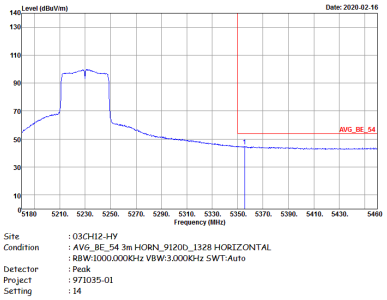
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

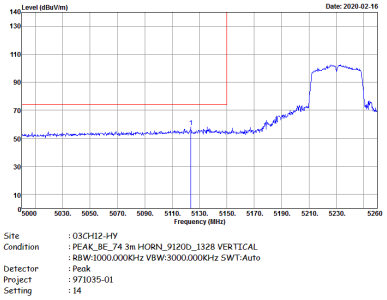
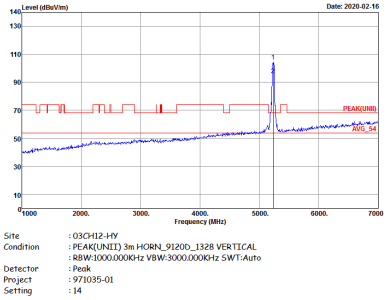
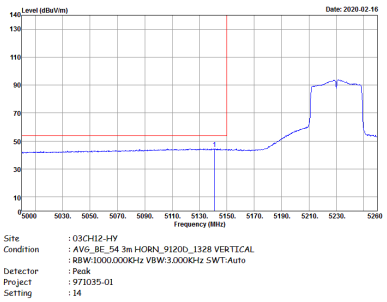
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

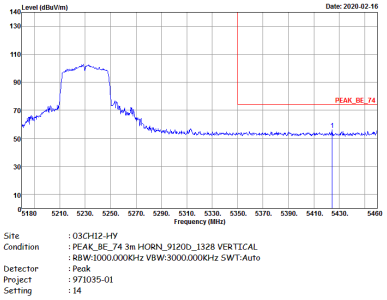
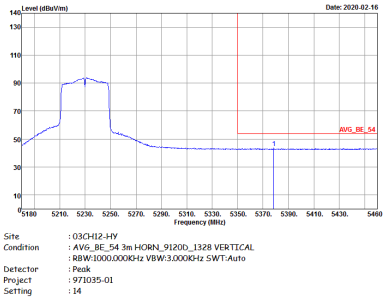
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 9	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 9	Left blank

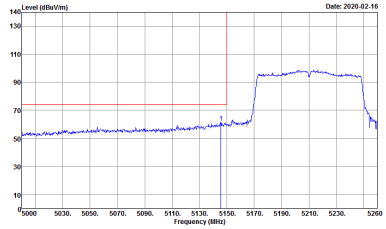
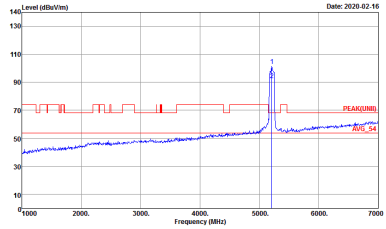
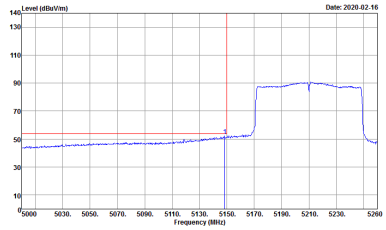
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 14
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 14	Left blank

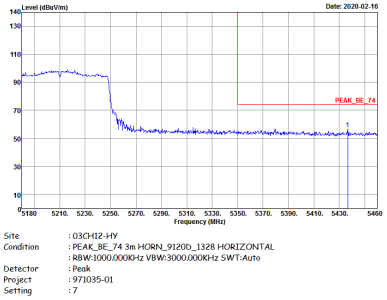
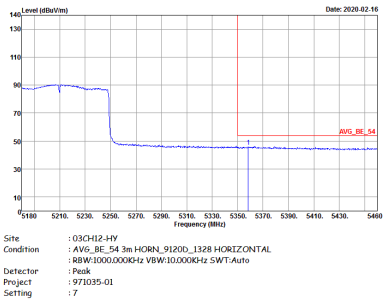
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 14	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 14	Left blank

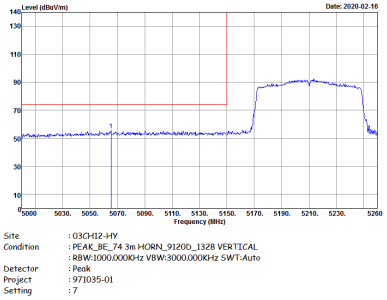
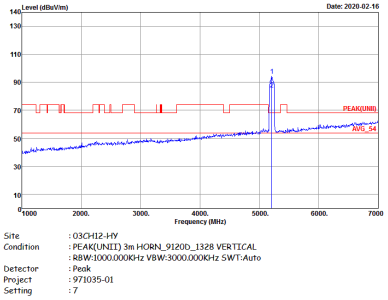
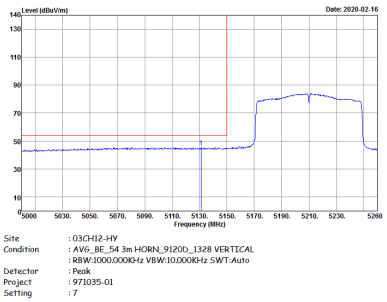
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

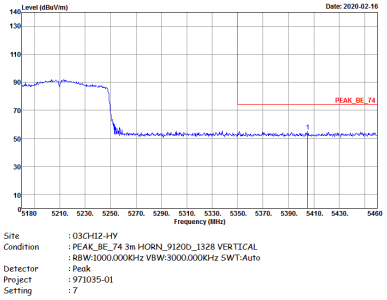
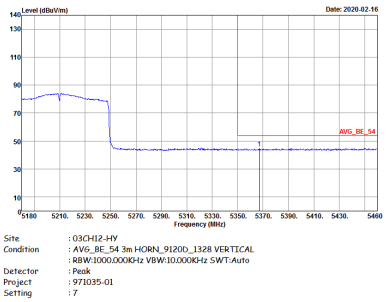
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

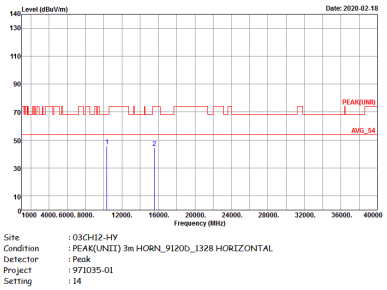
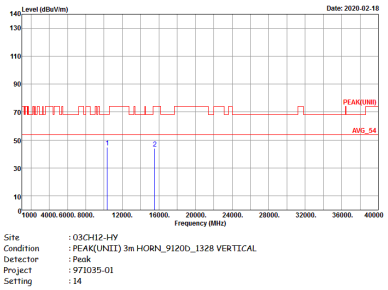
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 7	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 7	Left blank

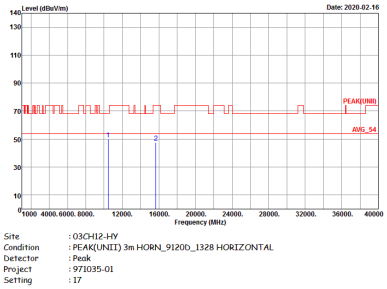
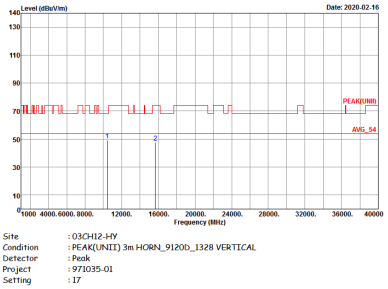
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

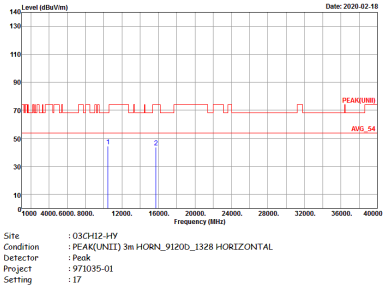
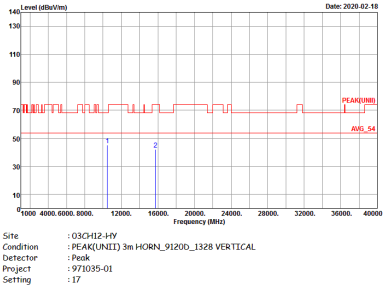
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

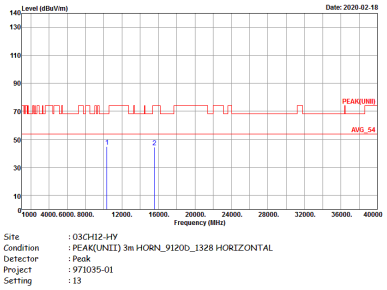
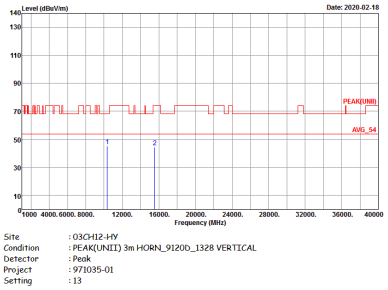
WIFI 802.11a (Harmonic @ 3m)

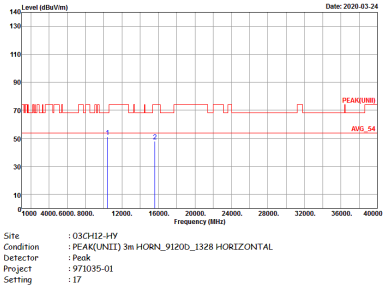
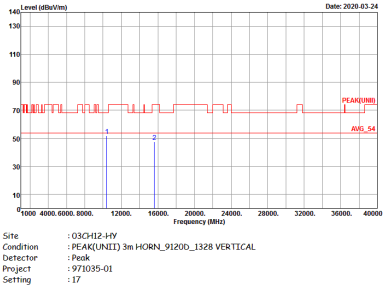
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

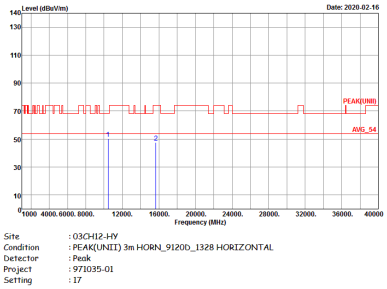
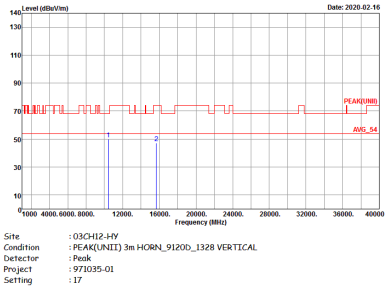
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

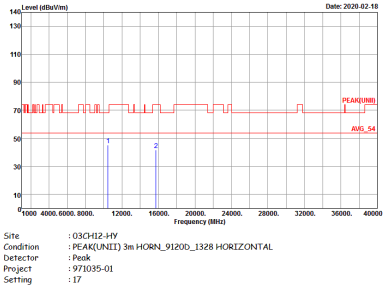
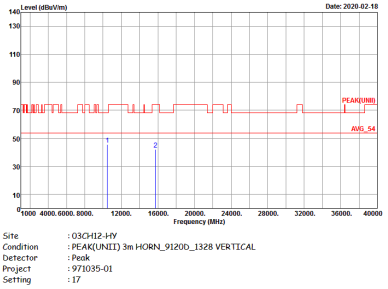
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 971035-01 Setting : 17	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 971035-01 Setting : 17

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

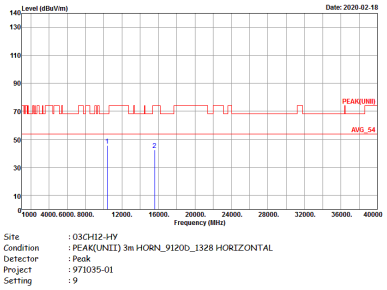
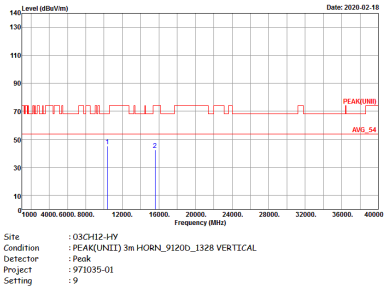
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

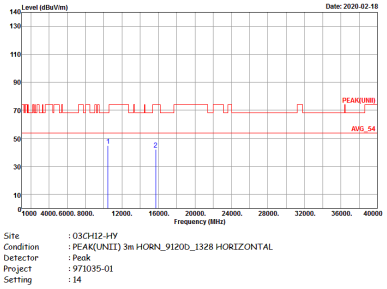
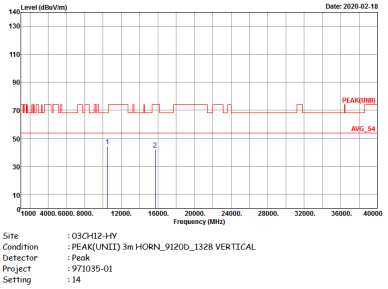
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH40 5200MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 971035-01 Setting : 17	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 971035-01 Setting : 17

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

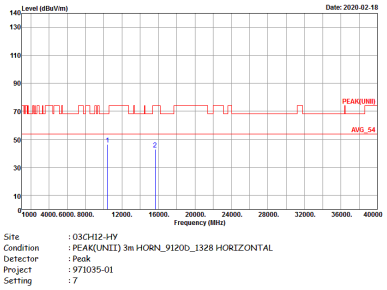
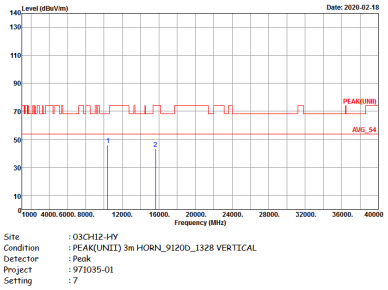
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 971035-01 Setting : 17	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 971035-01 Setting : 17

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.		

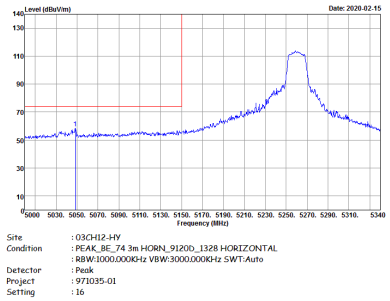
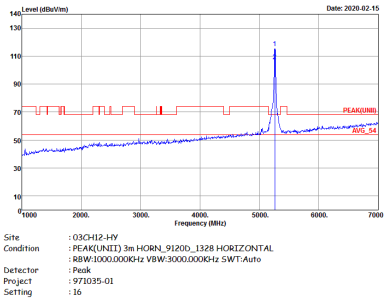
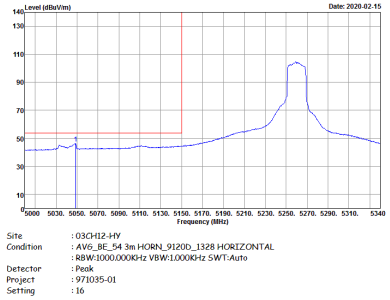
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 971035-01 Setting : 14	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 971035-01 Setting : 14

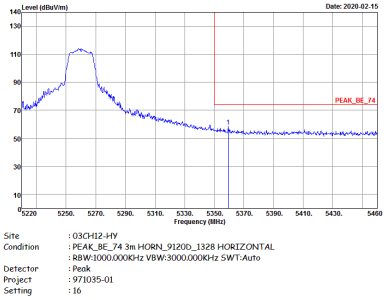
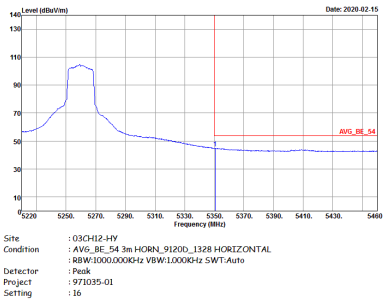
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

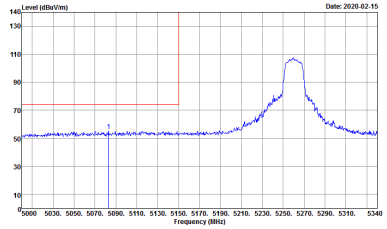
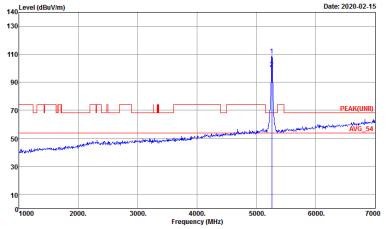
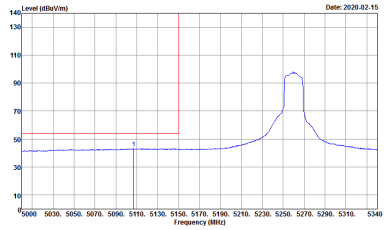
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

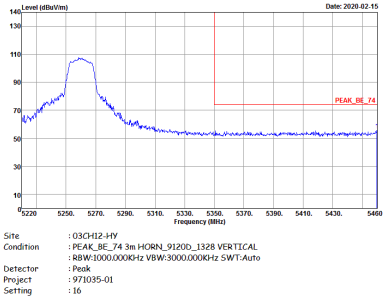
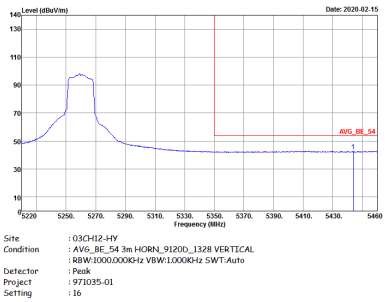
Band 2 - 5250~5350MHz

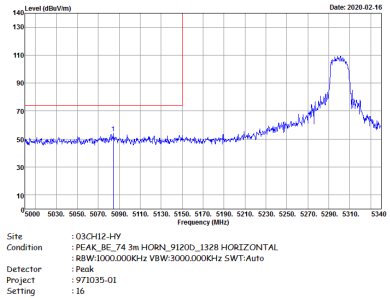
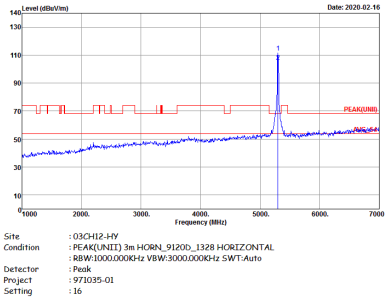
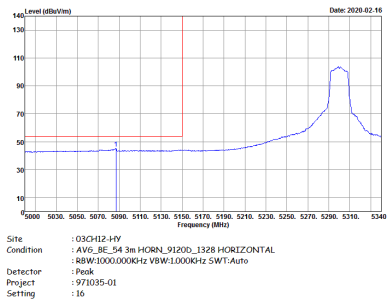
WIFI 802.11a (Band Edge @ 3m)

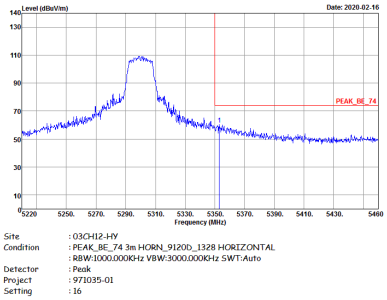
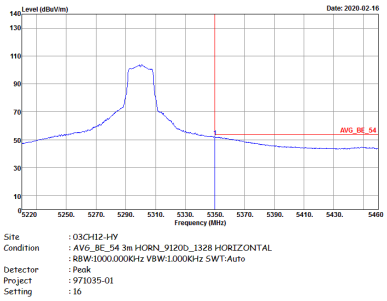
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

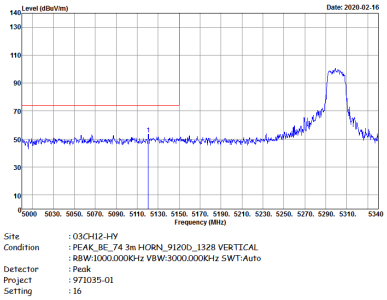
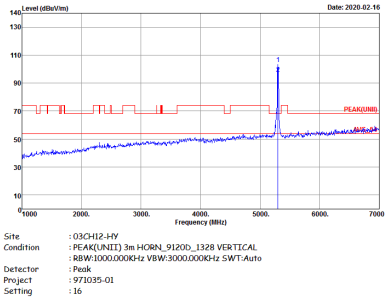
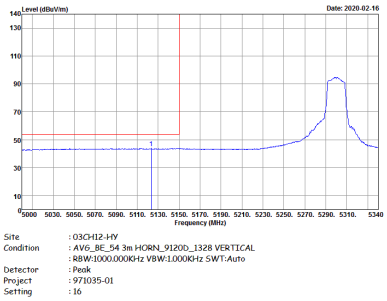
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank

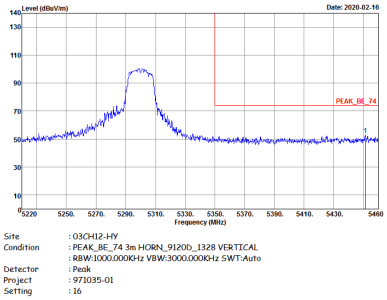
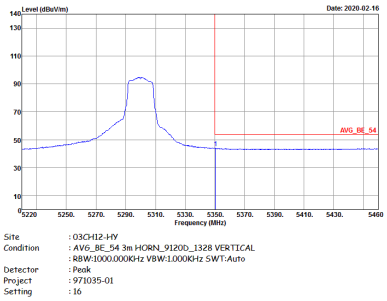
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank

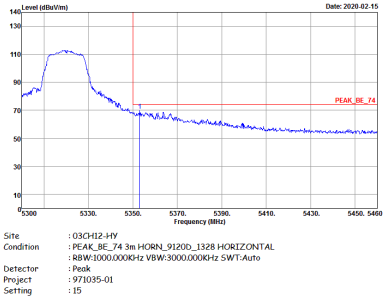
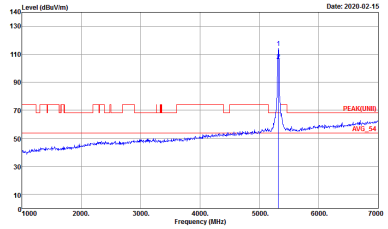
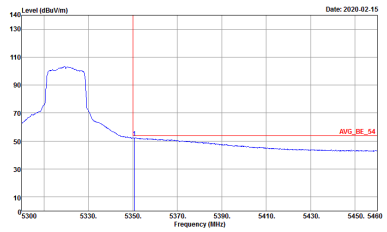
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank

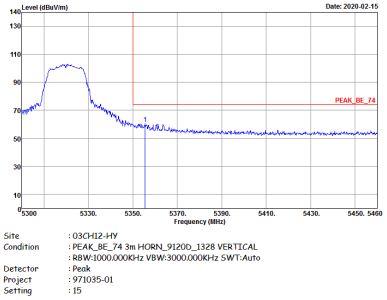
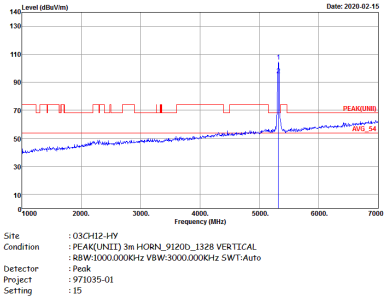
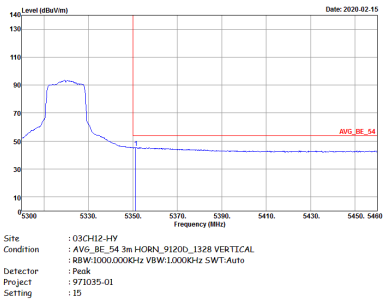
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

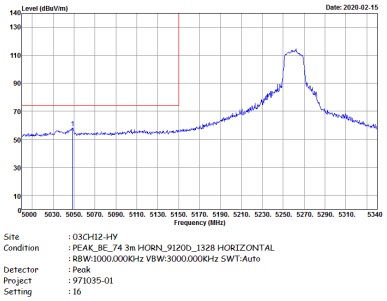
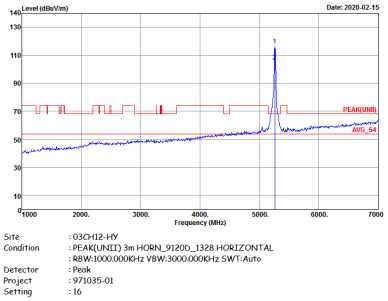
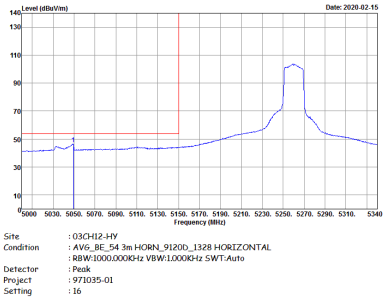
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

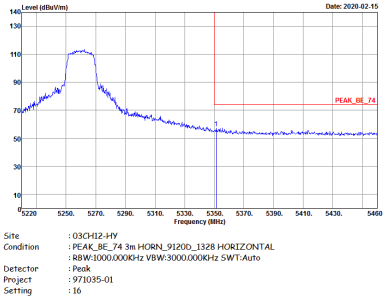
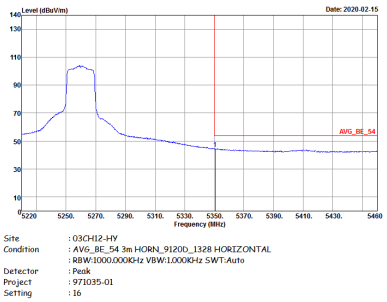
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank

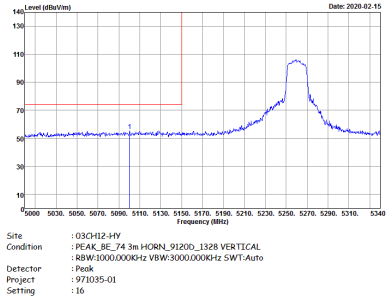
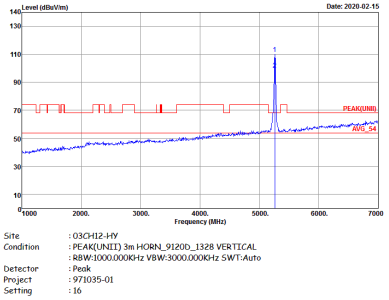
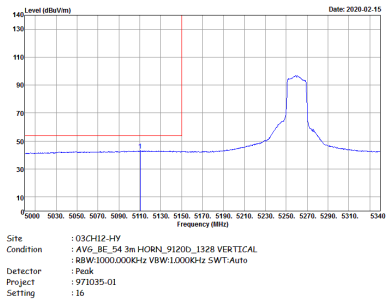
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15	Left blank

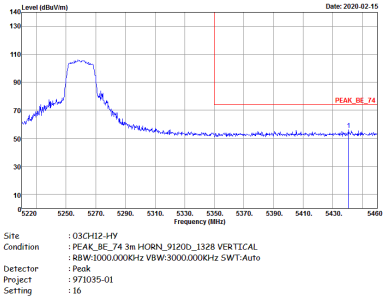
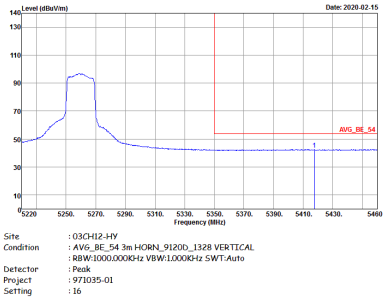
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

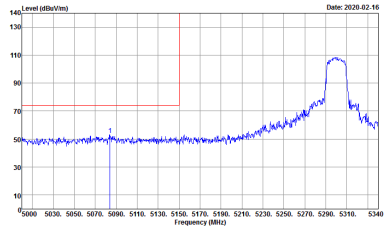
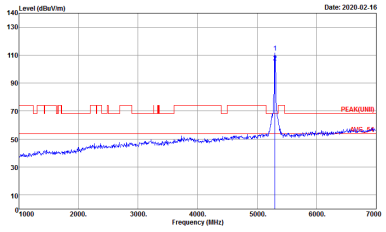
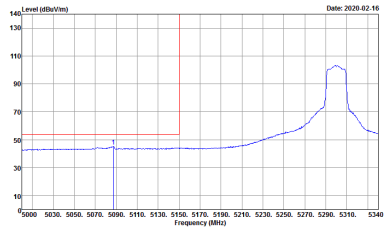
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

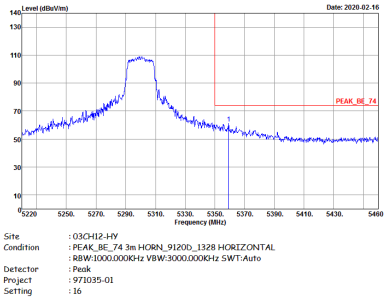
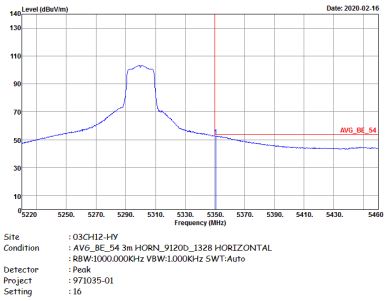
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

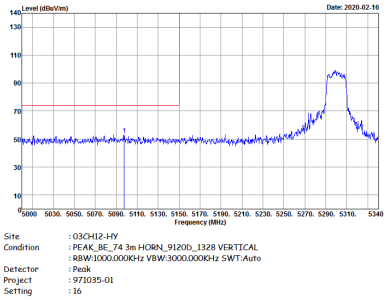
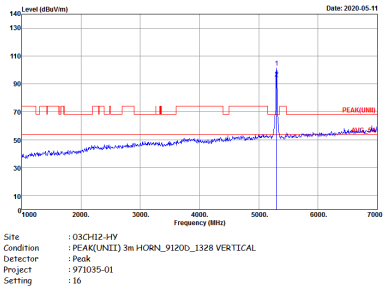
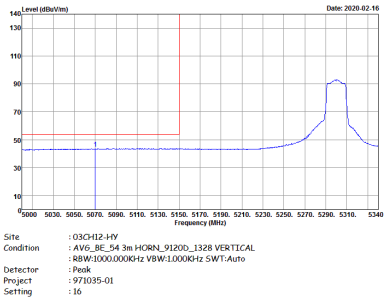
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank

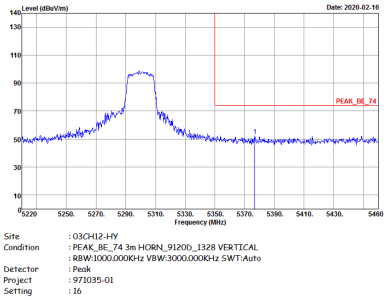
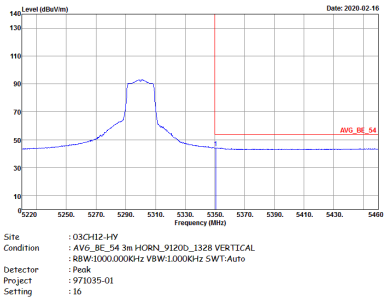
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

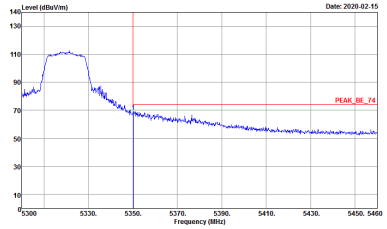
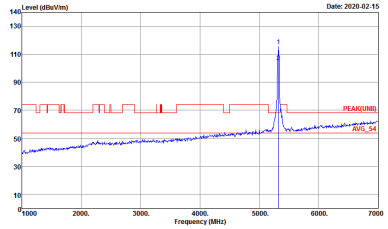
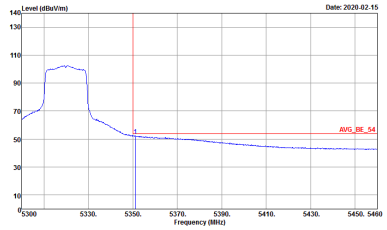
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	Left blank

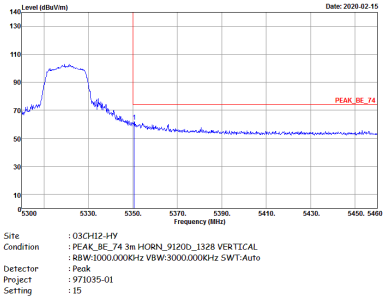
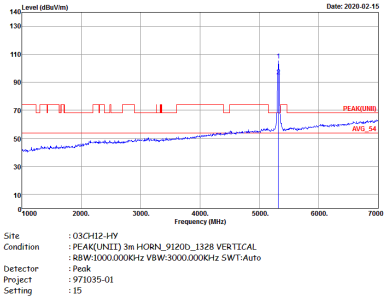
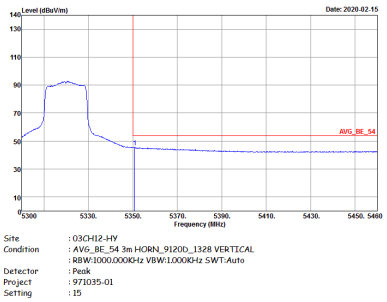
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16	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

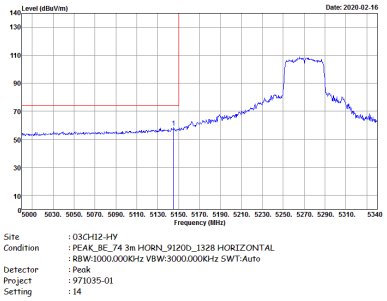
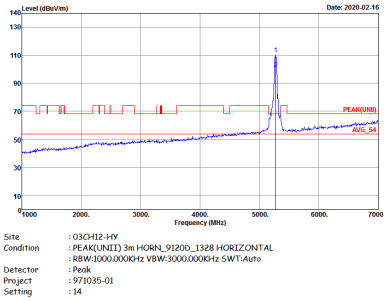
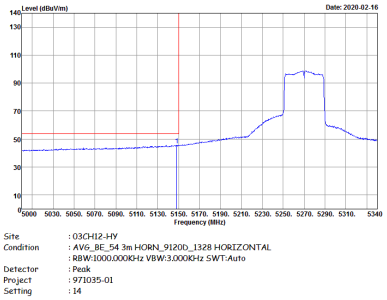
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

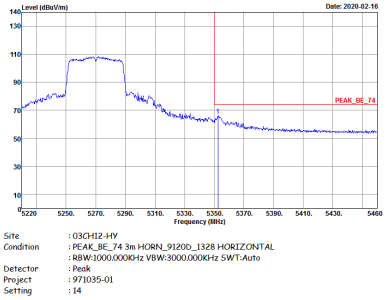
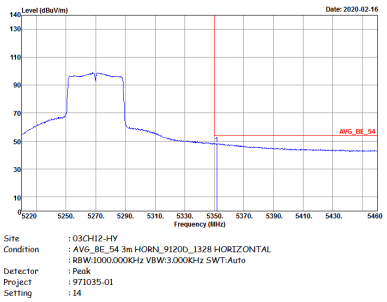
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

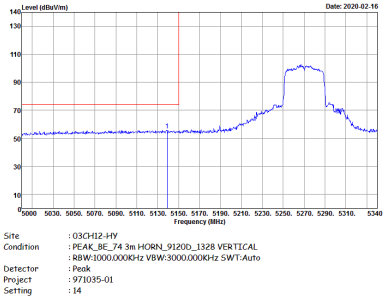
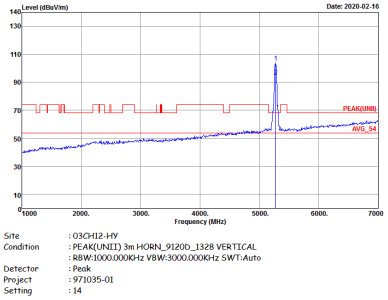
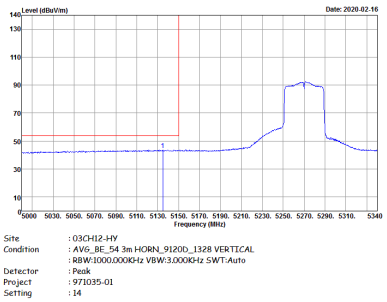
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15	Left blank

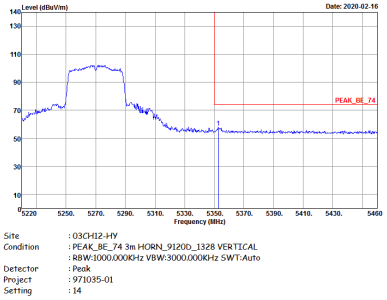
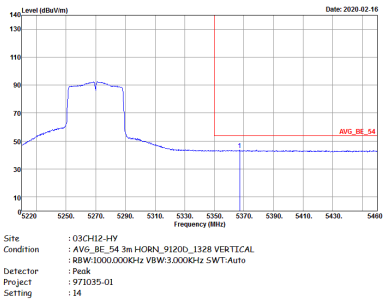
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

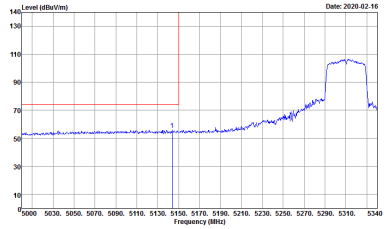
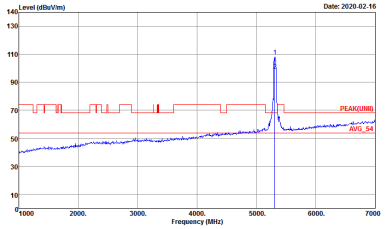
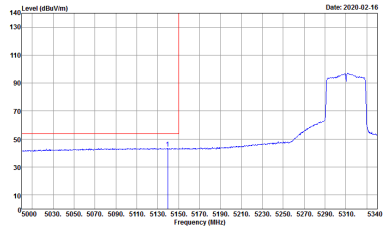
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

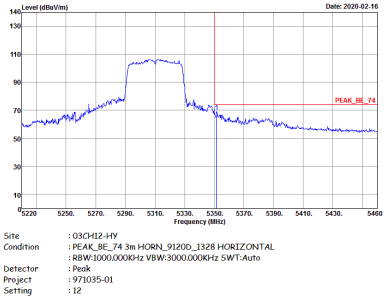
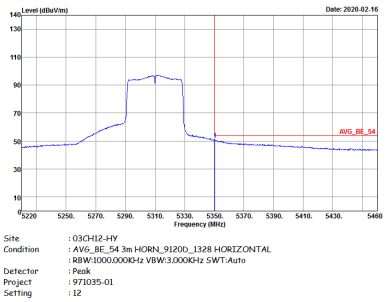
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

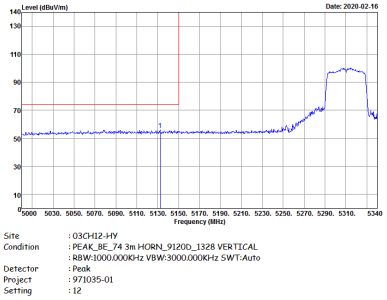
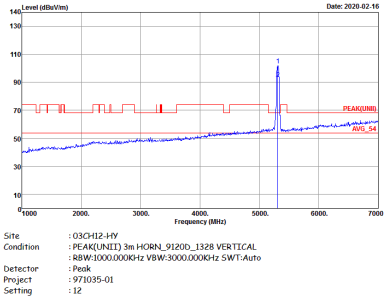
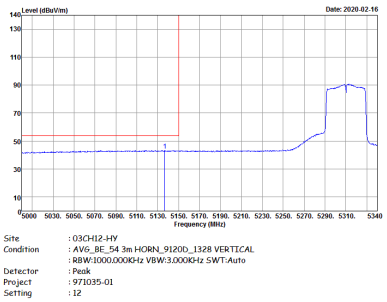
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

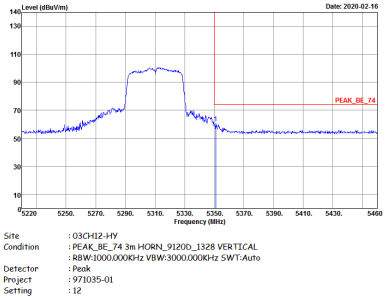
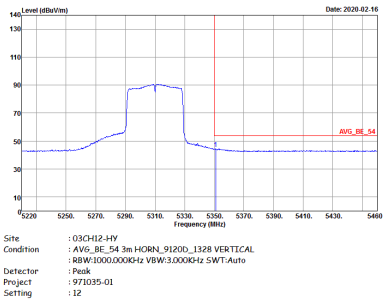
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 14	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 14	Left blank

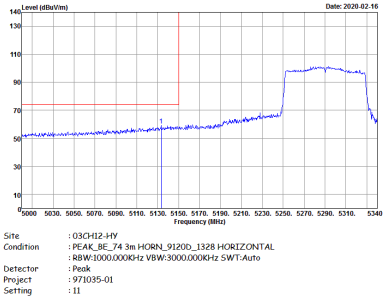
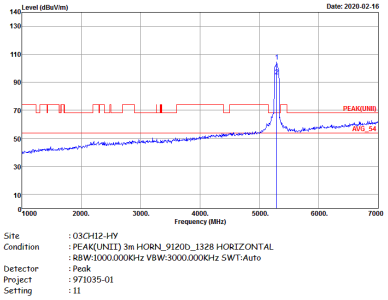
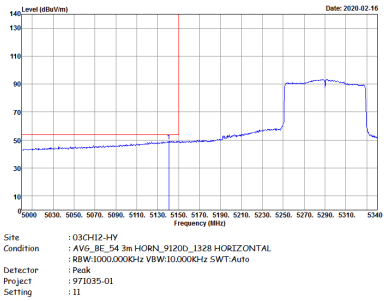
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 12	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 12	Left blank

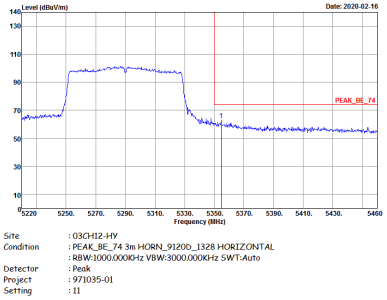
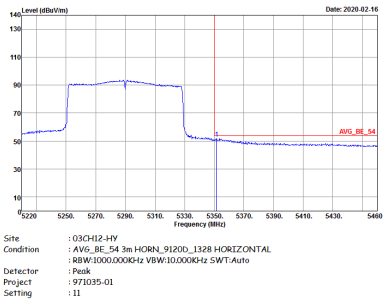
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

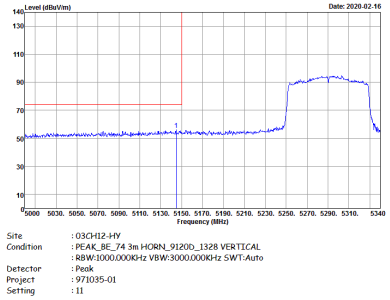
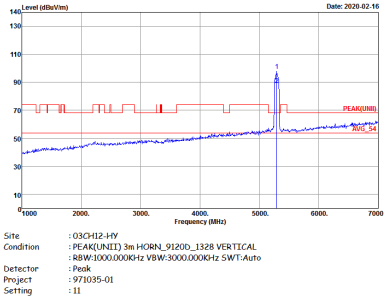
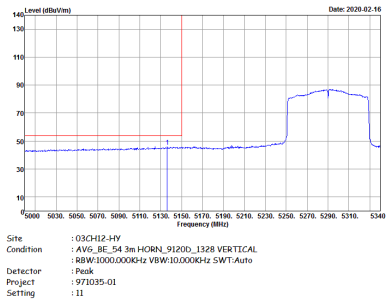
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

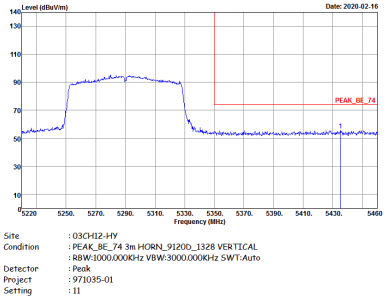
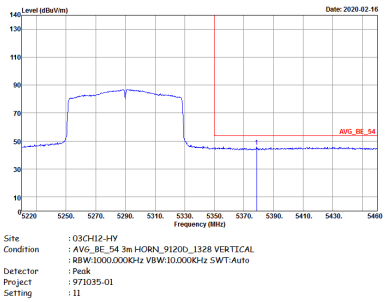
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 12	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 12	Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

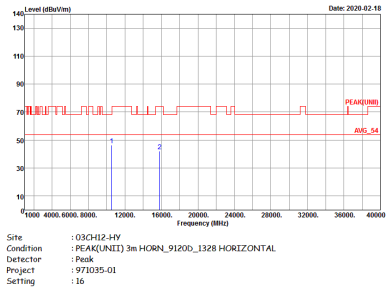
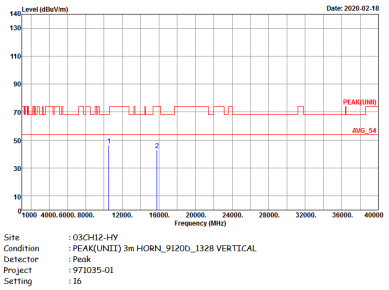
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 11	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 11	Left blank

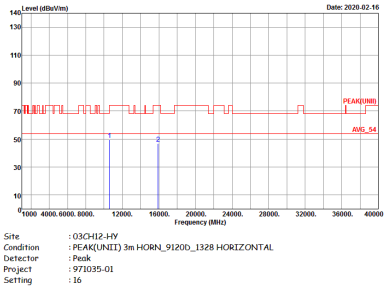
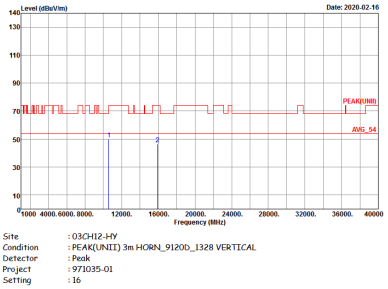
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

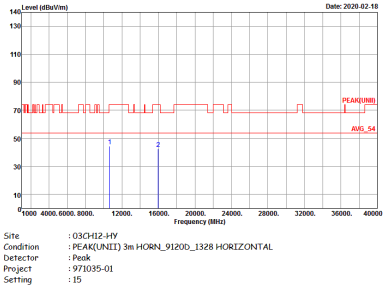
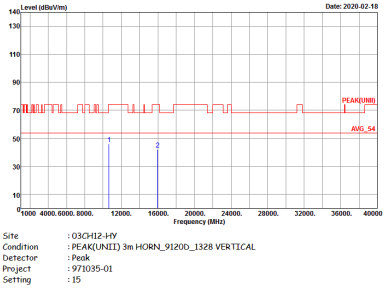
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 11	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 11	Left blank

Band 2 - 5250~5350MHz

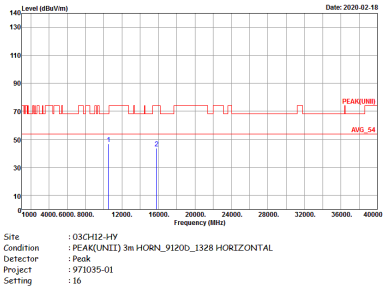
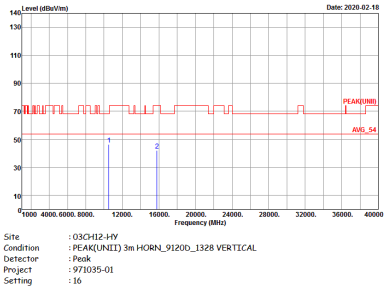
WIFI 802.11a (Harmonic @ 3m)

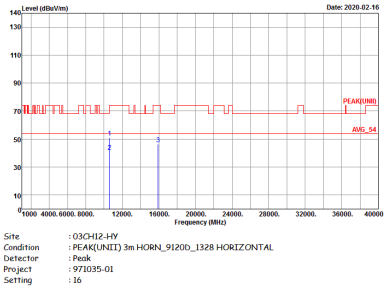
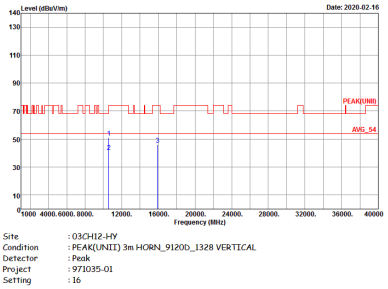
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

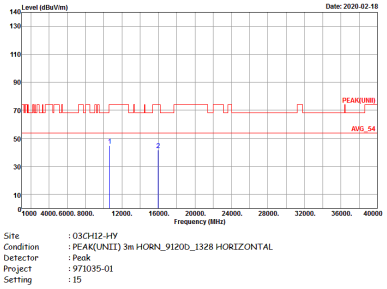
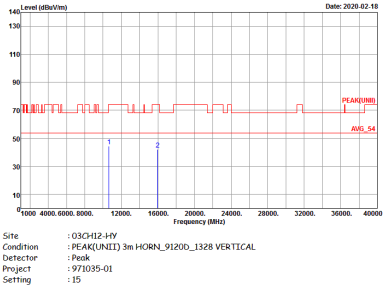
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 971035-01 Setting : 16	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 971035-01 Setting : 16

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 971035-01 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 971035-01 Setting : 15

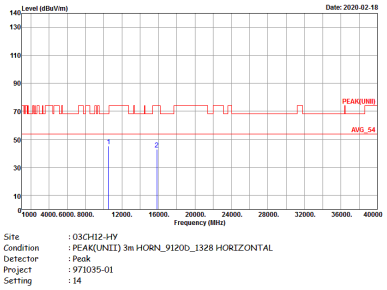
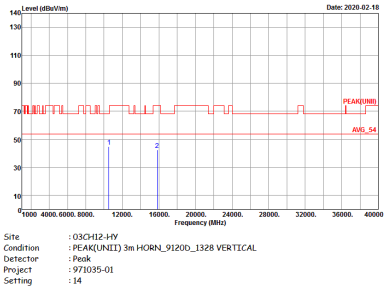
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

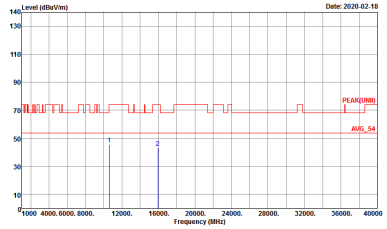
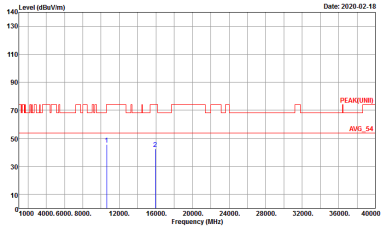
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 971035-01 Setting : 16	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 971035-01 Setting : 16

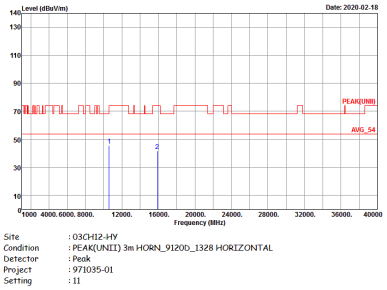
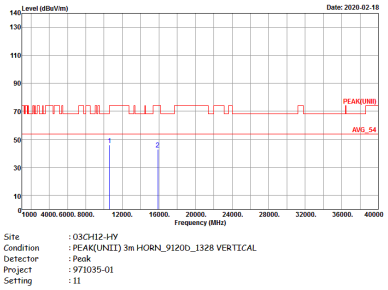
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 971035-01 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 971035-01 Setting : 15

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.		

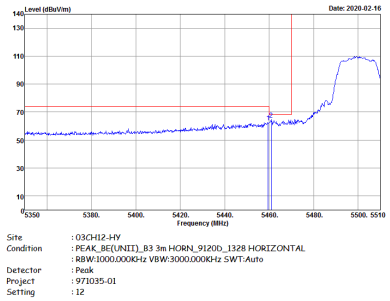
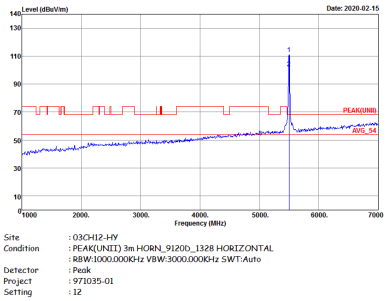
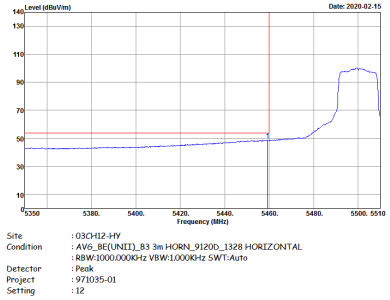
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 971035-01 Setting : 12	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 971035-01 Setting : 12

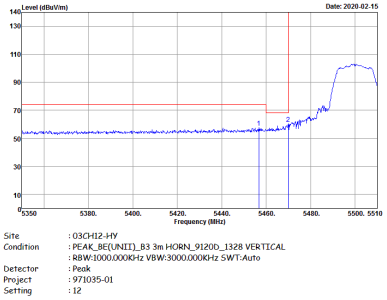
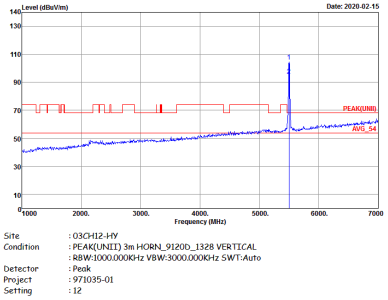
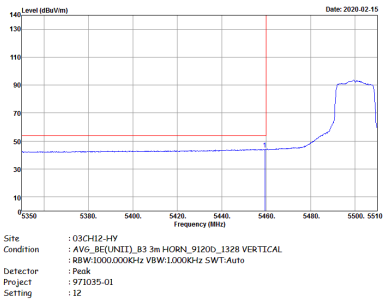
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

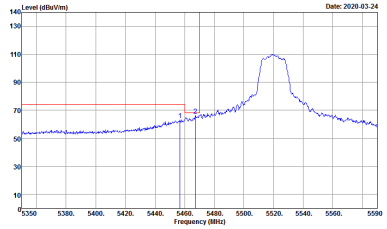
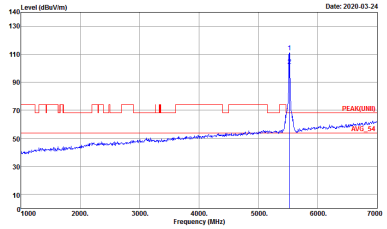
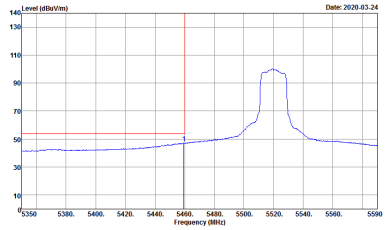
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

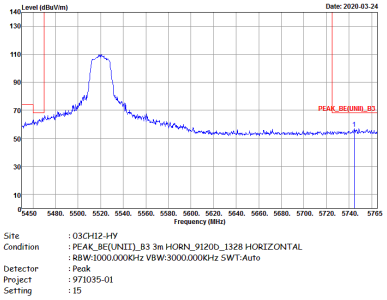
Band 3 - 5470~5725MHz

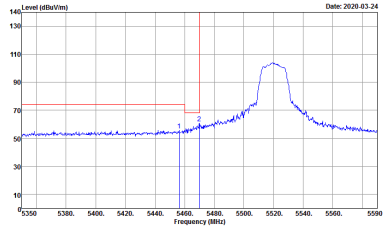
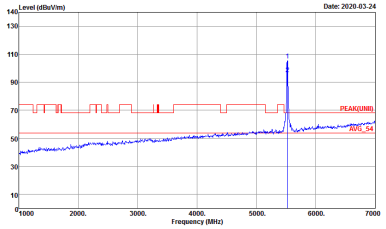
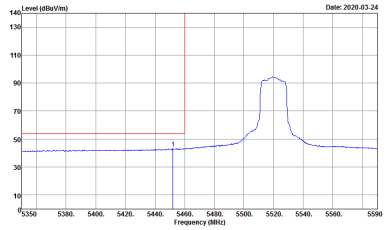
WIFI 802.11a (Band Edge @ 3m)

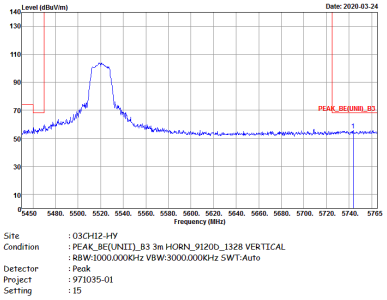
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

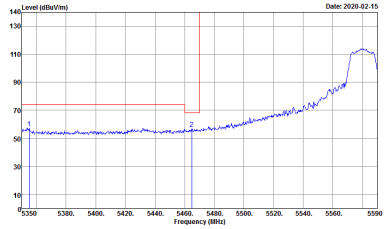
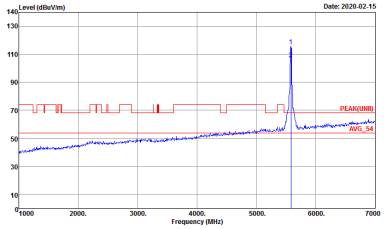
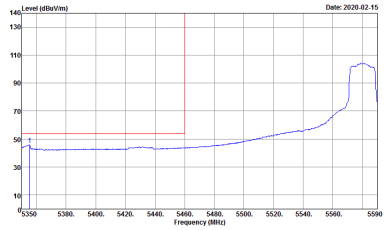
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

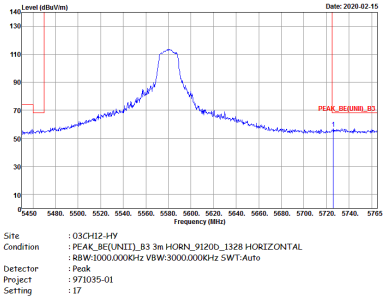
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH104 5520MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15	Left blank

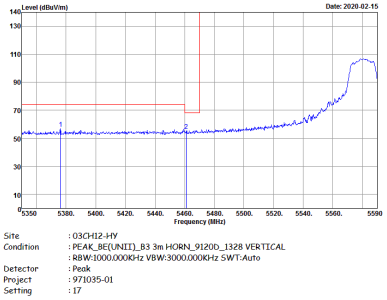
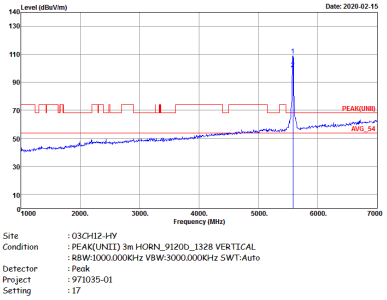
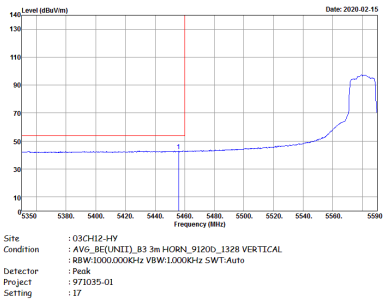
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH104 5520MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

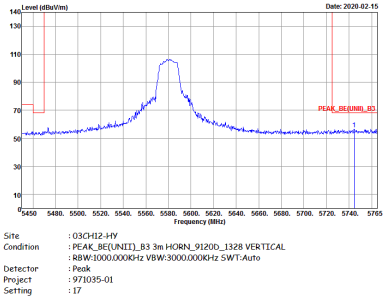
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH104 5520MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 15	Left blank

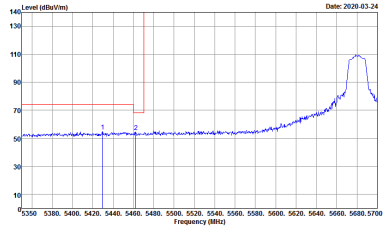
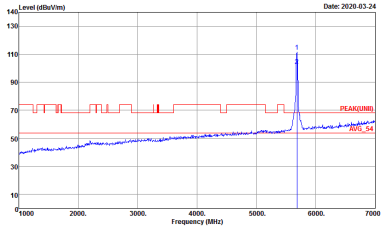
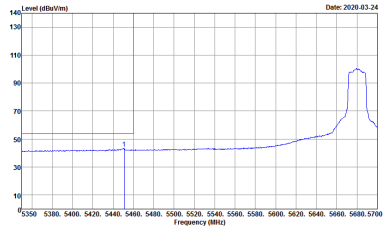
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH104 5520MHz - R	
1	Vertical	Fundamental
Peak		Left blank

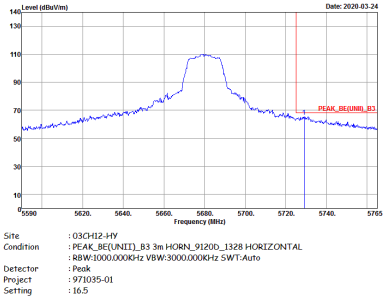
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 17	Left blank

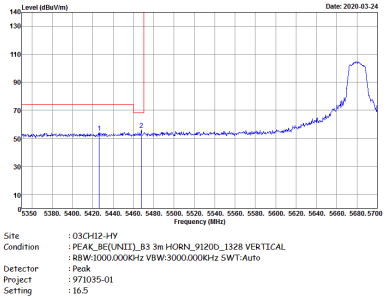
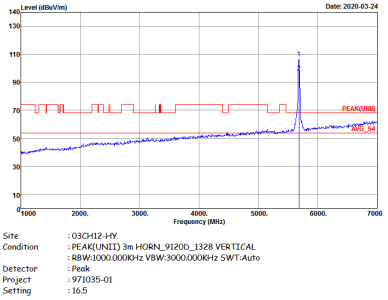
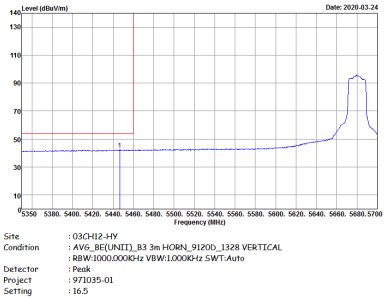
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

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 CH136 5680MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16.5	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16.5
Avg.	 Site : 03CH12-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 971035-01 Setting : 16.5	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH136 5680MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH136 5680MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank