

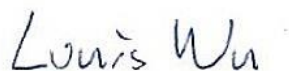
NCC RADIO TEST REPORT

Equipment : “Abbott” i-STAT Alinity Instrument
(“亞培”艾斯特床旁血液監護儀)
Brand Name : Abbott
Model Name : AN-500
Marketing Name : AN-500
Applicant : 美商亞培股份有限公司
台北市中山區民生東路 3 段 51 號 6 樓及 49 號 5 樓、6 樓
Manufacturer : ABBOTT POINT OF CARE INC.
400 College Road East Princeton, NJ 08540, U.S.A
Standard : NCC LP0002 (2018-01-10)

The product was received on Mar. 12, 2020 and testing was started from Apr. 07, 2020 and completed on May 20, 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 NCC LP0002 (2018-01-10) 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.



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
TR012109B	01	Initial issue of report	Apr. 28, 2020
TR012109B	02	1. Revise accessory list in section 1.1 2. Update test data 3. Revise Brand name for AC Adapter	May 22, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	LP0002 4.7.3	26dB Bandwidth	Pass	-
3.1	LP0002 4.7.3	99% Occupied Bandwidth	Reporting only	-
3.2	LP0002 4.7.3	Maximum Conducted Output Power	Pass	-
3.3	LP0002 4.7.3	Power Spectral Density	Pass	-
3.4	LP0002 4.7.4	Unwanted Emissions	Pass	Under limit 1.16 dB at 468.440 MHz
3.5	LP0002 2.3	AC Conducted Emission	Pass	Under limit 4.03 dB at 0.528 MHz
3.6	LP0002 4.7.6	Automatically Discontinue Transmission	Pass	-
3.7	LP0002 2.2 4.7.8	Antenna Requirement	Pass	-
Annex A	LP0002 2.11	Receiver Radiated Emission	Pass	Please refer to Annex A
Annex B	LP0002 2.2 5.20.2	Maximum Power Density	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: Ruby Zou

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WLAN <Ant.1>: PCB Antenna <Ant.2>: PCB Antenna

Specification of Accessory		
AC Adapter	Brand Name	Abbott
	Model Name	MENB1060A0551F02
Base Station	Brand Name	Abbott
	Model Name	BST-500
Battery	Brand Name	Abbott
	Model Name	RB-500

1.2 Modification of EUT

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

1.3 Testing Location

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

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

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

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

FCC designation No.: TW1190 and TW0007

1.4 Applicable Standards

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

- ♦ NCC LP0002 (2018-01-10)
- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test
2. The TAF code is not including all the FCC KDB listed without accreditation.

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 and Accessory. The worst cases (Cradle Mode) 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
	-	-		

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
	-	-		

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
	-	-	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Note: The above Frequency and Channel in "*" were 802.11n HT40.

2.2 Test Mode

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

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Base Station + AC Adapter Mode 2 : WLAN (5GHz) Idle + Base Station + AC Adapter
Remark: The worst case of conducted emission is mode 1; only the test data of it was reported.	

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

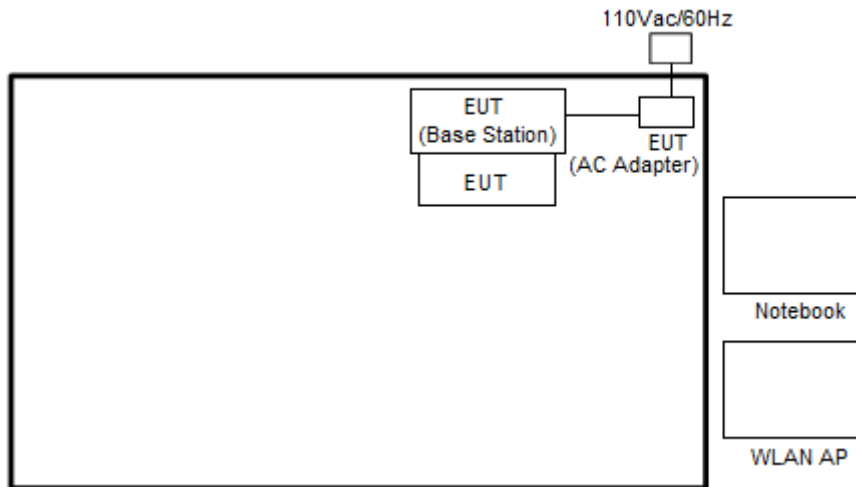
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

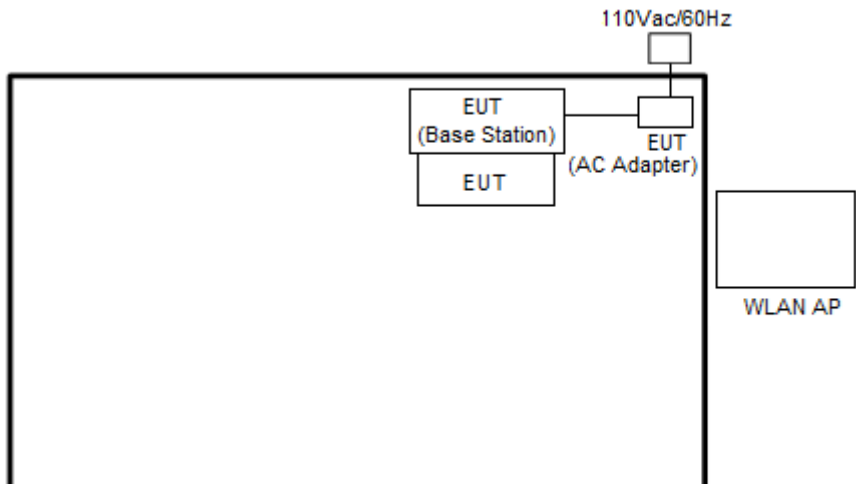
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

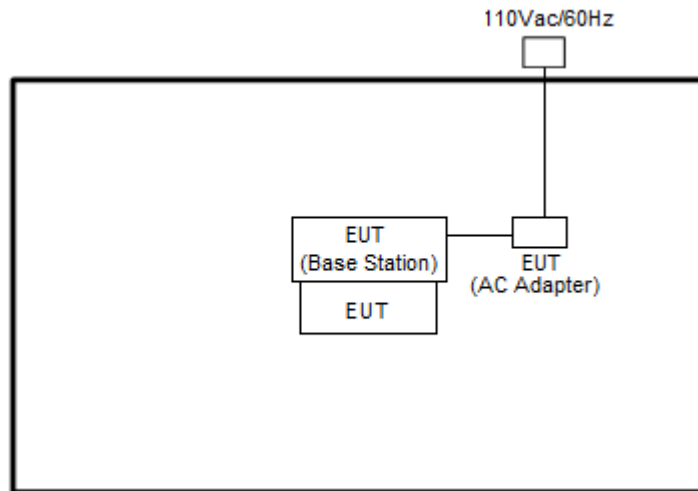
<AC Conducted Emission with Adapter Mode>



<AC Conducted Emission with WLAN Idle Mode>



<WLAN Tx 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, 1.8m
2.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m

Remark: Applicant has ensured accessory would not be attached with the product on the market, accessory is provided by lab for testing.

2.5 EUT Operation Test Setup

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

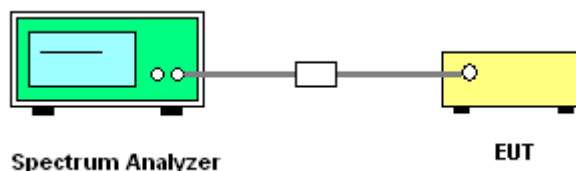
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

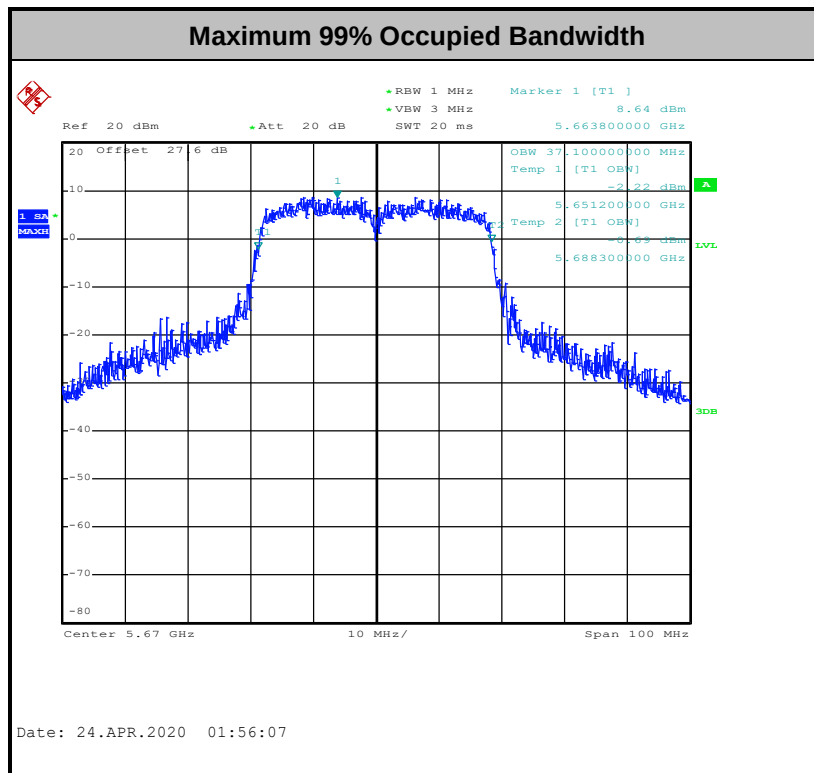
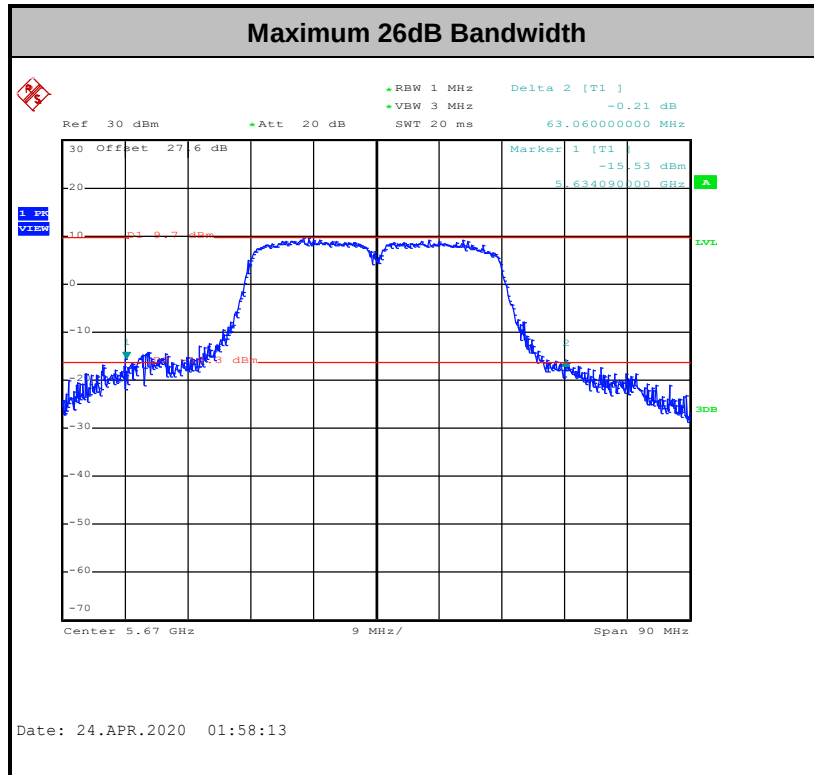
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<LP0002 4.7.3>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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.

For the 5.25–5.725 GHz bands, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

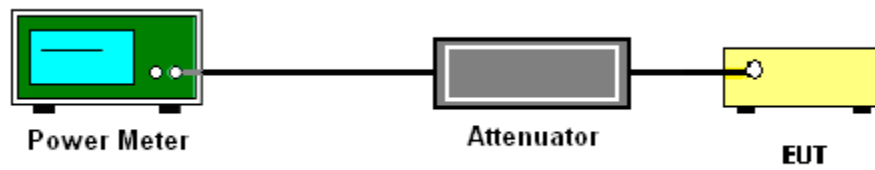
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<LP0002 4.7.3>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

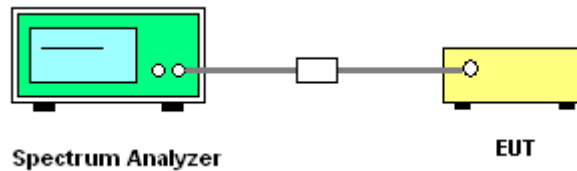
Method SA-3

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

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW $\geq$ 3 MHz
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time $\leq$ (number of points in sweep) $\times$ T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

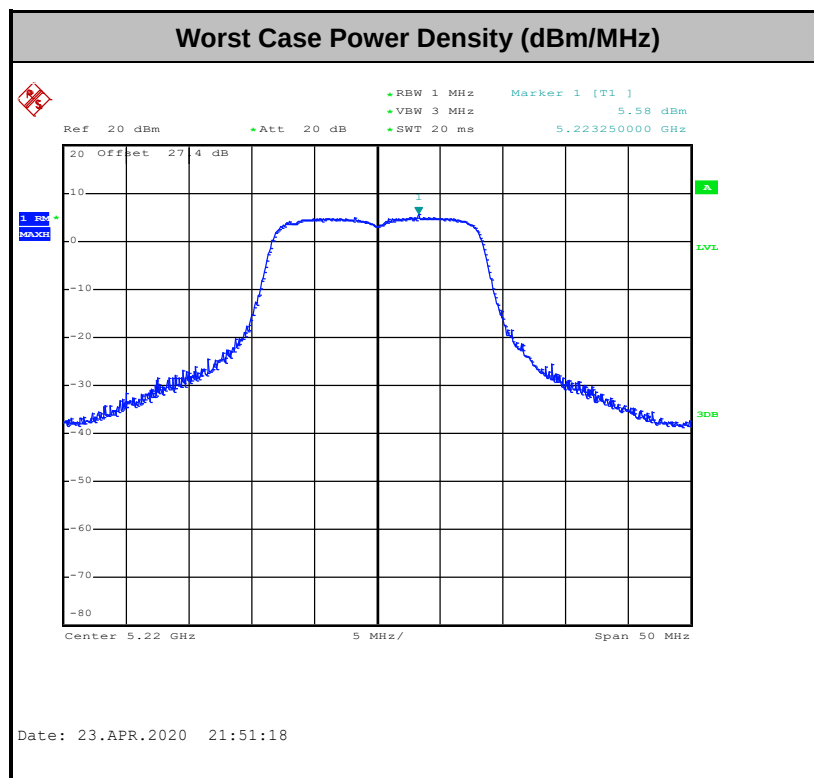
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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

3.4 Unwanted Emissions Measurement

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5725 MHz band: all emissions outside of the 5150-5725 MHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

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

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

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

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

- (3) ANSI C63.10-2013 clause 12.7.3 note 97

As specified by regulatory requirements, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit. However, an out-of-band emission that complies with both the average and peak general regulatory limits is not required to satisfy the peak emission limit.

3.4.2 Measuring Instruments

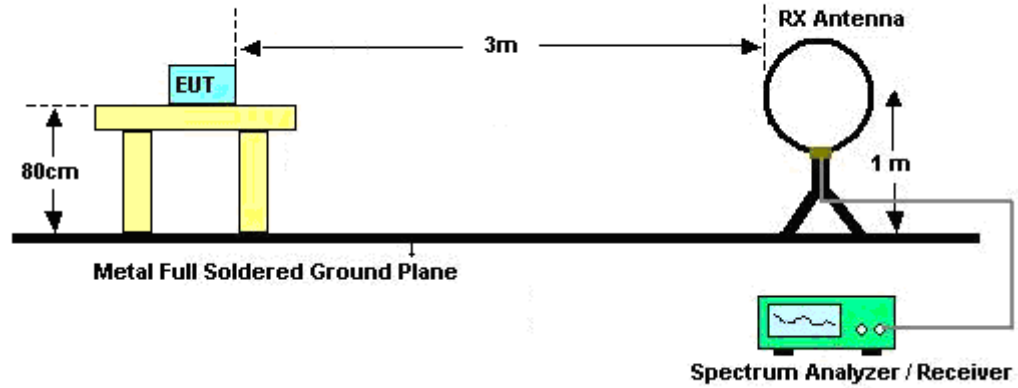
See list of measuring equipment of this test report.

3.4.3 Test Procedures

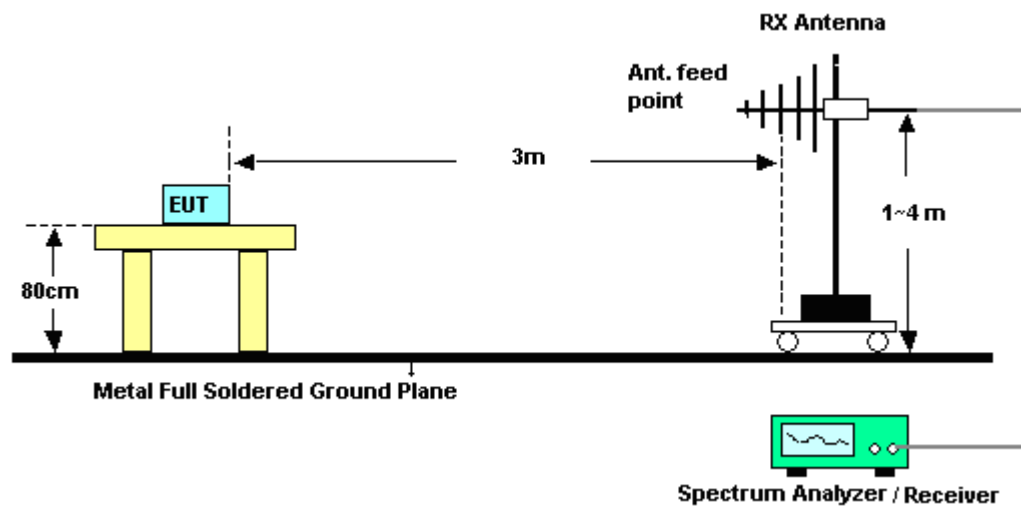
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

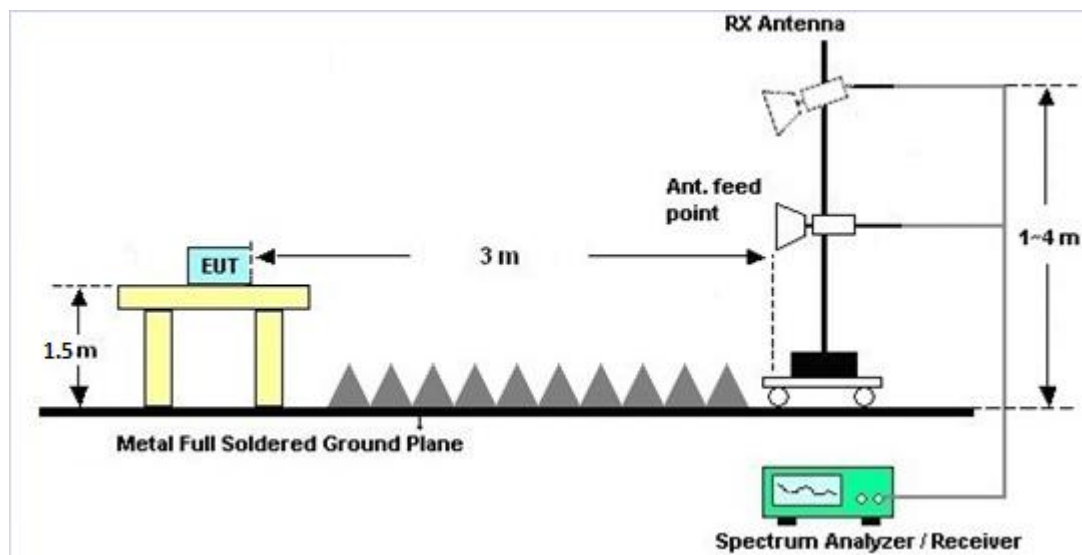
For radiated emissions below 30MHz



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 per NCC LP0002 section 5.13 was not reported.

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

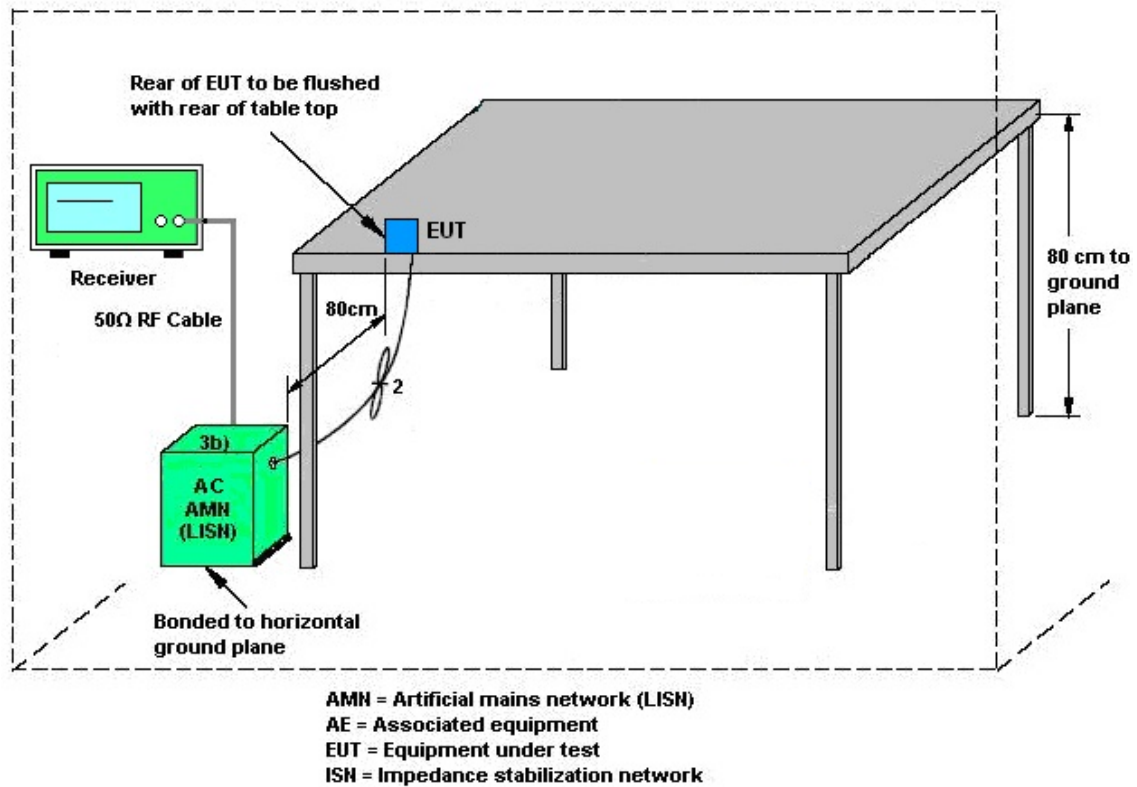
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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



3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Apr. 10, 2020~ May 20, 2020	Jan. 08, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00 800N1D01N-0 6	41912&05	30MHz to 1GHz	Feb. 09, 2020	Apr. 10, 2020~ May 20, 2020	Feb. 08, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-162 0	1-18GHz	Oct. 28, 2019	Apr. 10, 2020~ May 20, 2020	Oct. 27, 2020	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Dec. 10, 2019	Apr. 10, 2020~ May 20, 2020	Dec. 09, 2020	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2019	Apr. 10, 2020~ May 20, 2020	Dec. 26, 2020	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	171000180 0055007	1GHz~18GHz	Mar. 31, 2020	Apr. 10, 2020~ May 20, 2020	Mar. 30, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY532701 95	1GHz~26.5GHz	Aug. 23, 2019	Apr. 10, 2020~ May 20, 2020	Aug. 22, 2020	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Apr. 10, 2020~ May 20, 2020	Dec. 12, 2020	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY541300 85	20MHz~8.4GHz	Nov. 01, 2019	Apr. 10, 2020~ May 20, 2020	Oct. 31, 2020	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY501801 36	3Hz~44GHz	Apr. 29, 2019	Apr. 10, 2020~ Apr. 27, 2020	Apr. 28, 2020	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY501801 36	3Hz~44GHz	May 04, 2020	May 04, 2020~ May 20, 2020	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 10, 2020~ May 20, 2020	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 10, 2020~ May 20, 2020	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-00045 1	N/A	N/A	Apr. 10, 2020~ May 20, 2020	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/ 4	30M-18G	Apr. 15, 2019	Apr. 10, 2020~ Apr. 13, 2020	Apr. 14, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/ 4	30M-18G	Apr. 14, 2020	Apr. 14, 2020~ May 20, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4 PE	30M-18G	Apr. 15, 2019	Apr. 10, 2020~ Apr. 13, 2020	Apr. 14, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4 PE	30M-18G	Apr. 14, 2020	Apr. 14, 2020~ May 20, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY802430 /4	30M~18GHz	May 13, 2019	Apr. 10, 2020~ Apr. 20, 2020	May 12, 2020	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY802430 /4	30M~18GHz	Apr. 14, 2020	Apr. 20, 2020~ May 20, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Apr. 20, 2020~ May 20, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Apr. 20, 2020~ May 20, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN4	1.53G Low Pass	Jul. 04, 2019	Apr. 20, 2020~ May 20, 2020	Jul. 03, 2020	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN4	3GHz High Pass Filter	Sep. 17, 2019	Apr. 20, 2020~ May 20, 2020	Sep. 16, 2020	Radiation (03CH15-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	Apr. 07, 2020~ Apr. 24, 2020	Jun. 16, 2020	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015S NO36	10MHz~6GHz	Jan. 22, 2020	Apr. 07, 2020~ Apr. 24, 2020	Jan. 21, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz~40GHz	Aug. 14, 2019	Apr. 07, 2020~ Apr. 24, 2020	Aug. 13, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-1405-0	EC190015 7	N/A	Aug. 15, 2019	Apr. 07, 2020~ Apr. 24, 2020	Aug. 14, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	May 14, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	May 14, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	May 14, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	May 14, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 14, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	May 14, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	May 14, 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% ($U = 2U_c(y)$)	2.3
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.0
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.4
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.0
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Jacob Yu / Kai Liao	Temperature:	21~25	°C
Test Date:	2020/4/7~2020/4/24	Relative Humidity:	51~54	%

Maximum Power Density				
Max. Power	Gain	EIRP	20 cm PSD	PSD Limit
15.50	4.80	20.30	0.0213	1.00
dBm	dBi	dBm	mW/cm ²	mW/cm ²

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	16.65	16.70	26.00	25.50	-		22.21	22.23	
11a	6Mbps	1	44	5220	16.80	16.75	27.65	24.95	-		22.25	22.24	
11a	6Mbps	1	48	5240	16.75	16.75	31.05	28.60	-		22.24	22.24	
HT20	MCS0	1	36	5180	17.75	17.80	25.90	25.90	-		22.49	22.50	
HT20	MCS0	1	44	5220	17.85	17.80	32.05	26.20	-		22.52	22.50	
HT20	MCS0	1	48	5240	17.80	17.80	26.40	30.35	-		22.50	22.50	
HT40	MCS0	1	38	5190	36.90	37.00	48.30	49.76	-		23.01	23.01	
HT40	MCS0	1	46	5230	36.60	36.80	50.32	47.99	-		23.01	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	15.00	14.90		24.00	24.00	4.80	4.80		Pass
11a	6Mbps	1	44	5220	15.20	15.10		24.00	24.00	4.80	4.80		Pass
11a	6Mbps	1	48	5240	15.30	15.20		24.00	24.00	4.80	4.80		Pass
HT20	MCS0	1	36	5180	13.90	13.80		24.00	24.00	4.80	4.80		Pass
HT20	MCS0	1	44	5220	14.30	14.20		24.00	24.00	4.80	4.80		Pass
HT20	MCS0	1	48	5240	14.20	14.10		24.00	24.00	4.80	4.80		Pass
HT40	MCS0	1	38	5190	9.00	8.90		24.00	24.00	4.80	4.80		Pass
HT40	MCS0	1	46	5230	14.50	14.40		24.00	24.00	4.80	4.80		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	4.80	4.91		11.00	11.00	4.80	4.80		Pass
11a	6Mbps	1	44	5220	5.58	5.29		11.00	11.00	4.80	4.80		Pass
11a	6Mbps	1	48	5240	5.04	5.13		11.00	11.00	4.80	4.80		Pass
HT20	MCS0	1	36	5180	3.33	3.26		11.00	11.00	4.80	4.80		Pass
HT20	MCS0	1	44	5220	4.14	3.96		11.00	11.00	4.80	4.80		Pass
HT20	MCS0	1	48	5240	3.88	4.01		11.00	11.00	4.80	4.80		Pass
HT40	MCS0	1	38	5190	-4.67	-4.58		11.00	11.00	4.80	4.80		Pass
HT40	MCS0	1	46	5230	1.46	1.44		11.00	11.00	4.80	4.80		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
Mod.	Data Rate	N _{Tx}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.80	16.75	27.55	25.75	23.25	23.24	29.25	29.24	23.98	23.98	
11a	6Mbps	1	60	5300	16.80	16.75	27.30	25.80	23.25	23.24	29.25	29.24	23.98	23.98	
11a	6Mbps	1	64	5320	16.75	16.75	26.60	26.35	23.24	23.24	29.24	29.24	23.98	23.98	
HT20	MCS0	1	52	5260	17.80	17.90	31.65	29.05	23.50	23.53	29.50	29.53	23.98	23.98	
HT20	MCS0	1	60	5300	17.85	17.80	25.35	26.40	23.52	23.50	29.52	29.50	23.98	23.98	
HT20	MCS0	1	64	5320	17.85	17.85	25.95	31.15	23.52	23.52	29.52	29.52	23.98	23.98	
HT40	MCS0	1	54	5270	36.60	36.60	47.70	48.51	23.98	23.98	30.00	30.00	23.98	23.98	
HT40	MCS0	1	62	5310	36.60	36.60	49.30	47.77	23.98	23.98	30.00	30.00	23.98	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	15.50	15.40		23.98	23.98	4.80	4.80	26.99	Pass
11a	6Mbps	1	60	5300	15.10	15.00		23.98	23.98	4.80	4.80	26.99	Pass
11a	6Mbps	1	64	5320	14.80	14.70		23.98	23.98	4.80	4.80	26.99	Pass
HT20	MCS0	1	52	5260	14.60	14.50		23.98	23.98	4.80	4.80	26.99	Pass
HT20	MCS0	1	60	5300	14.40	14.30		23.98	23.98	4.80	4.80	26.99	Pass
HT20	MCS0	1	64	5320	14.80	14.70		23.98	23.98	4.80	4.80	26.99	Pass
HT40	MCS0	1	54	5270	13.60	13.50		23.98	23.98	4.80	4.80	26.99	Pass
HT40	MCS0	1	62	5310	11.80	11.70		23.98	23.98	4.80	4.80	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	4.90	5.25		11.00	11.00	4.80	4.80		Pass
11a	6Mbps	1	60	5300	4.51	4.95		11.00	11.00	4.80	4.80		Pass
11a	6Mbps	1	64	5320	3.97	4.58		11.00	11.00	4.80	4.80		Pass
HT20	MCS0	1	52	5260	4.18	4.41		11.00	11.00	4.80	4.80		Pass
HT20	MCS0	1	60	5300	3.33	4.08		11.00	11.00	4.80	4.80		Pass
HT20	MCS0	1	64	5320	3.39	4.26		11.00	11.00	4.80	4.80		Pass
HT40	MCS0	1	54	5270	0.21	-0.09		11.00	11.00	4.80	4.80		Pass
HT40	MCS0	1	62	5310	-2.66	-1.85		11.00	11.00	4.80	4.80		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
Mod.	Data Rate	N _{TX}	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	16.70	16.75	25.75	25.15	23.23	23.24	29.23	29.24	23.98	23.98	----	----
11a	6Mbps	1	116	5580	16.75	16.75	25.90	25.10	23.24	23.24	29.24	29.24	23.98	23.98	----	----
11a	6Mbps	1	140	5700	16.80	16.75	26.00	26.25	23.25	23.24	29.25	29.24	23.98	23.98	----	----
HT20	MCS0	1	100	5500	17.75	17.85	26.15	25.60	23.49	23.52	29.49	29.52	23.98	23.98	----	----
HT20	MCS0	1	116	5580	17.80	17.80	26.30	25.80	23.50	23.50	29.50	29.50	23.98	23.98	----	----
HT20	MCS0	1	140	5700	17.80	17.80	29.75	25.80	23.50	23.50	29.50	29.50	23.98	23.98	----	----
HT40	MCS0	1	102	5510	37.10	36.80	49.58	48.96	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	110	5550	36.70	36.60	49.71	49.90	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	1	134	5670	37.10	36.70	63.06	59.94	23.98	23.98	30.00	30.00	23.98	23.98	----	----

TEST RESULTS DATA
Average Power Table

FCC Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	12.50	12.40		23.98	23.98	4.80	4.80	26.99	Pass
11a	6Mbps	1	116	5580	12.10	11.30		23.98	23.98	4.80	4.80	26.99	Pass
11a	6Mbps	1	140	5700	13.70	13.50		23.98	23.98	4.80	4.80	26.99	Pass
HT20	MCS0	1	100	5500	12.20	12.10		23.98	23.98	4.80	4.80	26.99	Pass
HT20	MCS0	1	116	5580	11.60	11.30		23.98	23.98	4.80	4.80	26.99	Pass
HT20	MCS0	1	140	5700	13.30	13.20		23.98	23.98	4.80	4.80	26.99	Pass
HT40	MCS0	1	102	5510	12.00	11.90		23.98	23.98	4.80	4.80	26.99	Pass
HT40	MCS0	1	110	5550	13.40	13.20		23.98	23.98	4.80	4.80	26.99	Pass
HT40	MCS0	1	134	5670	15.40	15.10		23.98	23.98	4.80	4.80	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	2.58	2.72		11.00	11.00	4.80	4.80		Pass
11a	6Mbps	1	116	5580	1.98	1.46		11.00	11.00	4.80	4.80		Pass
11a	6Mbps	1	140	5700	3.43	3.18		11.00	11.00	4.80	4.80		Pass
HT20	MCS0	1	100	5500	1.61	1.94		11.00	11.00	4.80	4.80		Pass
HT20	MCS0	1	116	5580	1.45	1.51		11.00	11.00	4.80	4.80		Pass
HT20	MCS0	1	140	5700	2.77	2.42		11.00	11.00	4.80	4.80		Pass
HT40	MCS0	1	102	5510	-1.60	-1.42		11.00	11.00	4.80	4.80		Pass
HT40	MCS0	1	110	5550	-0.10	0.11		11.00	11.00	4.80	4.80		Pass
HT40	MCS0	1	134	5670	1.61	1.08		11.00	11.00	4.80	4.80		Pass



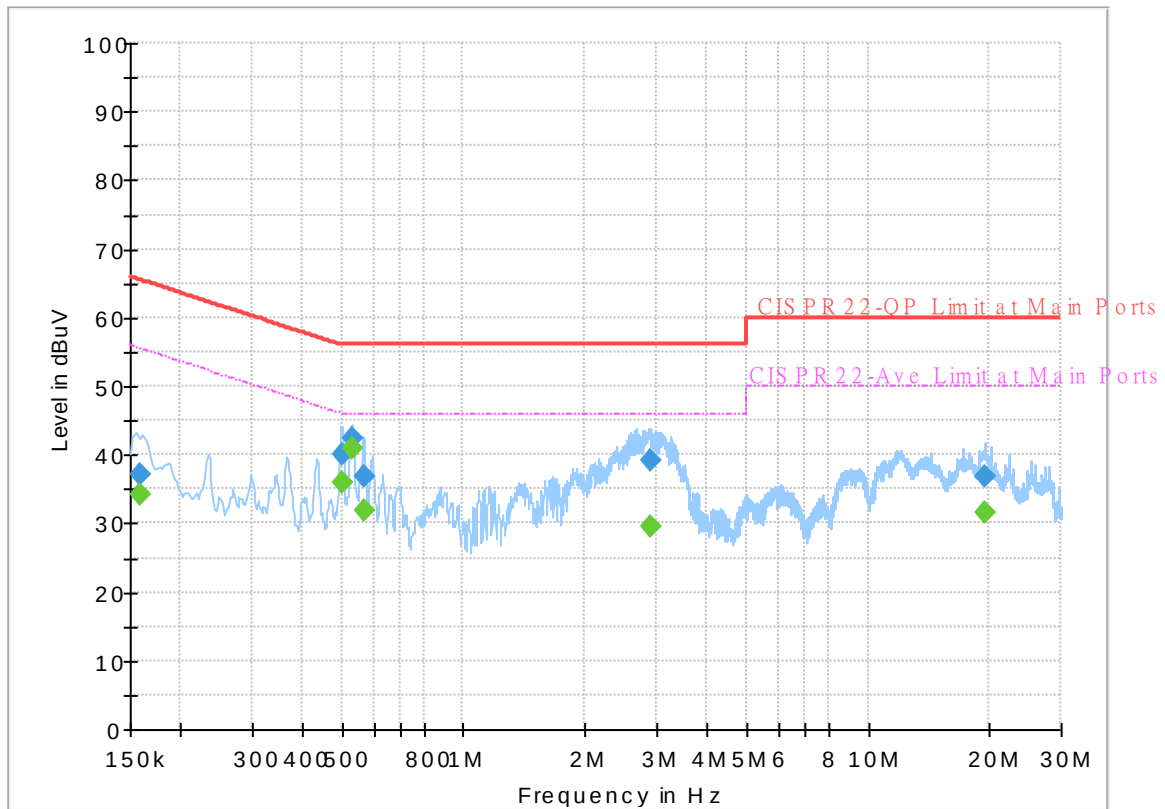
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	21~24℃
		Relative Humidity :	42~50%

EUT Information

Report NO : 012109
Test Mode : Mode 1
Test Voltage : 110Vac/60Hz
Phase : Line

Full Spectrum



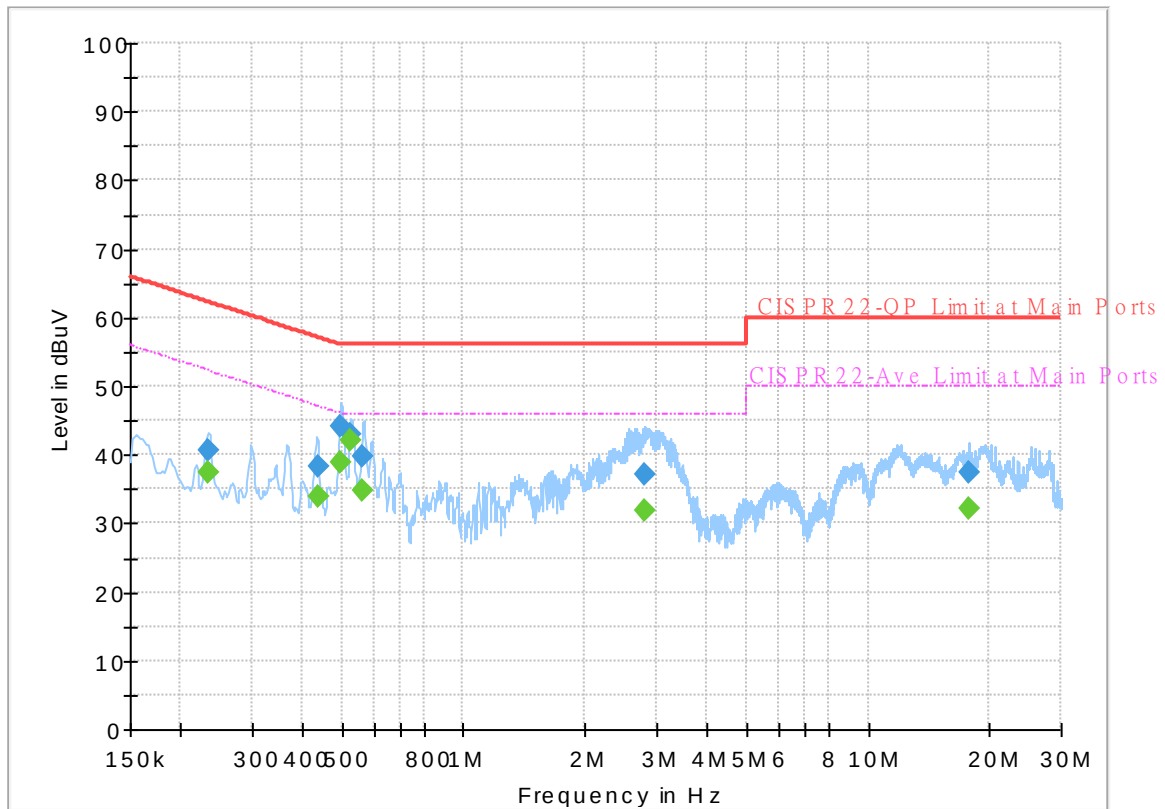
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.158100	---	34.15	55.56	21.41	L1	OFF	19.5
0.158100	37.23	---	65.56	28.33	L1	OFF	19.5
0.501360	---	36.03	46.00	9.97	L1	OFF	19.5
0.501360	40.09	---	56.00	15.91	L1	OFF	19.5
0.530610	---	40.99	46.00	5.01	L1	OFF	19.5
0.530610	42.31	---	56.00	13.69	L1	OFF	19.5
0.567150	---	31.81	46.00	14.19	L1	OFF	19.5
0.567150	36.92	---	56.00	19.08	L1	OFF	19.5
2.904000	---	29.59	46.00	16.41	L1	OFF	19.6
2.904000	39.04	---	56.00	16.96	L1	OFF	19.6
19.468230	---	31.50	50.00	18.50	L1	OFF	19.8
19.468230	36.73	---	60.00	23.27	L1	OFF	19.8

EUT Information

Report NO : 012109
Test Mode : Mode 1
Test Voltage : 110Vac/60Hz
Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.232980	---	37.39	52.34	14.95	N	OFF	19.5
0.232980	40.64	---	62.34	21.70	N	OFF	19.5
0.435480	---	34.03	47.15	13.12	N	OFF	19.5
0.435480	38.31	---	57.15	18.84	N	OFF	19.5
0.498570	---	39.01	46.02	7.01	N	OFF	19.5
0.498570	44.05	---	56.02	11.97	N	OFF	19.5
0.528180	---	41.97	46.00	4.03	N	OFF	19.5
0.528180	43.02	---	56.00	12.98	N	OFF	19.5
0.563460	---	34.92	46.00	11.08	N	OFF	19.5
0.563460	39.70	---	56.00	16.30	N	OFF	19.5
2.800500	---	31.85	46.00	14.15	N	OFF	19.6
2.800500	37.08	---	56.00	18.92	N	OFF	19.6
17.750580	---	32.02	50.00	17.98	N	OFF	19.9
17.750580	37.50	---	60.00	22.50	N	OFF	19.9



Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	24.3~24.9°C
		Relative Humidity :	55~60%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl 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		5147.94	60.61	-13.39	74	49.69	32.1	9.25	30.43	100	229	P	H
		5150	46.3	-7.7	54	35.37	32.1	9.26	30.43	100	229	A	H
	*	5180	109.43	-	-	98.64	31.94	9.28	30.43	100	229	P	H
	*	5180	101.2	-	-	90.41	31.94	9.28	30.43	100	229	A	H
													H
		5149.5	52.25	-21.75	74	41.33	32.1	9.25	30.43	100	357	P	V
		5150	41.93	-12.07	54	31	32.1	9.26	30.43	100	357	A	V
	*	5180	102.34	-	-	91.57	31.91	9.29	30.43	100	357	P	V
	*	5180	94.44	-	-	83.67	31.91	9.29	30.43	100	357	A	V
													V
802.11a CH 44 5220MHz		5143.78	51.69	-22.31	74	40.78	32.09	9.25	30.43	100	231	P	H
		5146.12	41.57	-12.43	54	30.66	32.09	9.25	30.43	100	231	A	H
	*	5220	109.49	-	-	98.93	31.66	9.33	30.43	100	231	P	H
	*	5220	99.3	-	-	88.74	31.66	9.33	30.43	100	231	A	H
		5447.96	52.75	-21.25	74	41.93	31.7	9.55	30.43	100	231	P	H
		5460	42.72	-11.28	54	31.81	31.76	9.58	30.43	100	231	A	H
		5120.12	50.69	-23.31	74	39.86	32.04	9.22	30.43	120	346	P	V
		5146.64	40.21	-13.79	54	29.3	32.09	9.25	30.43	120	346	A	V
	*	5220	102.38	-	-	91.8	31.69	9.32	30.43	120	346	P	V
	*	5220	93.32	-	-	82.74	31.69	9.32	30.43	120	346	A	V
		5411.56	51.08	-22.92	74	40.33	31.7	9.48	30.43	120	346	P	V
		5460	41.17	-12.83	54	30.26	31.76	9.58	30.43	120	346	A	V



802.11a CH 48 5240MHz		5143	51	-23	74	40.09	32.09	9.25	30.43	100	231	P	H
		5149.24	41.21	-12.79	54	30.29	32.1	9.25	30.43	100	231	A	H
	*	5240	107.53	-	-	97.04	31.58	9.34	30.43	100	231	P	H
	*	5240	98.99	-	-	88.5	31.58	9.34	30.43	100	231	A	H
		5422.48	52.01	-21.99	74	41.24	31.7	9.5	30.43	100	231	P	H
		5460	42.61	-11.39	54	31.7	31.76	9.58	30.43	100	231	A	H
		5103.74	49.93	-24.07	74	39.15	32.01	9.2	30.43	300	163	P	V
		5148.72	40.2	-13.8	54	29.28	32.1	9.25	30.43	300	163	A	V
	*	5240	102.2	-	-	91.74	31.55	9.34	30.43	300	163	P	V
	*	5240	94.01	-	-	83.55	31.55	9.34	30.43	300	163	A	V
		5442.36	51.29	-22.71	74	40.48	31.7	9.54	30.43	300	163	P	V
		5460	41.61	-12.39	54	30.7	31.76	9.58	30.43	300	163	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	53.85	-14.35	68.2	60.77	39.9	13.57	60.39	100	0	P	H
		15540	49.03	-24.97	74	55.29	38	17.01	61.27	100	0	P	H
													H
													H
		10360	54.48	-13.72	68.2	61.4	39.9	13.57	60.39	100	0	P	V
		15540	47.55	-26.45	74	53.81	38	17.01	61.27	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	52.1	-16.1	68.2	58.93	40.1	13.65	60.58	100	0	P	H
		15660	56.43	-17.57	74	62.7	37.58	17.16	61.01	184	275	P	H
		15660	39.06	-14.94	54	45.33	37.58	17.16	61.01	184	275	A	H
													H
		10440	53.98	-14.22	68.2	60.81	40.1	13.65	60.58	100	0	P	V
		15660	56.7	-17.3	74	62.97	37.58	17.16	61.01	203	282	P	V
		15660	39.05	-14.95	54	45.32	37.58	17.16	61.01	203	282	A	V
													V
802.11a CH 48 5240MHz		10480	49.28	-18.92	68.2	56.18	40.1	13.68	60.68	100	0	P	H
		15720	61.25	-12.75	74	67.46	37.46	17.21	60.88	199	275	P	H
		15720	41.35	-12.65	54	47.56	37.46	17.21	60.88	199	275	A	H
													H
		10480	50	-18.2	68.2	56.9	40.1	13.68	60.68	100	0	P	V
		15720	62.82	-11.18	74	69.03	37.46	17.21	60.88	189	289	P	V
		15720	42.16	-11.84	54	48.37	37.46	17.21	60.88	189	289	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5150	54.45	-19.55	74	43.52	32.1	9.26	30.43	100	232	P	H
		5150	43.91	-10.09	54	32.98	32.1	9.26	30.43	100	232	A	H
	*	5180	107.13	-	-	96.34	31.94	9.28	30.43	100	232	P	H
	*	5180	98.84	-	-	88.05	31.94	9.28	30.43	100	232	A	H
													H
													H
		5098.54	49.95	-24.05	74	39.18	32	9.2	30.43	252	169	P	V
		5150	41.5	-12.5	54	30.57	32.1	9.26	30.43	252	169	A	V
	*	5180	102.67	-	-	91.88	31.94	9.28	30.43	252	169	P	V
	*	5180	94.22	-	-	83.43	31.94	9.28	30.43	252	169	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5102.7	50.87	-23.13	74	40.09	32.01	9.2	30.43	100	229	P	H
		5145.08	40.68	-13.32	54	29.77	32.09	9.25	30.43	100	229	A	H
	*	5220	106.41	-	-	95.79	31.73	9.32	30.43	100	229	P	H
	*	5220	97.34	-	-	86.72	31.73	9.32	30.43	100	229	A	H
		5431.44	50.84	-23.16	74	40.05	31.7	9.52	30.43	100	229	P	H
		5460	41.41	-12.59	54	30.5	31.76	9.58	30.43	100	229	A	H
		5144.56	51.16	-22.84	74	40.25	32.09	9.25	30.43	228	324	P	V
		5145.86	40.16	-13.84	54	29.25	32.09	9.25	30.43	228	324	A	V
	*	5220	101.76	-	-	91.2	31.66	9.33	30.43	228	324	P	V
	*	5220	92.63	-	-	82.07	31.66	9.33	30.43	228	324	A	V
		5403.44	50.63	-23.37	74	39.89	31.7	9.47	30.43	228	324	P	V
		5459.72	40.65	-13.35	54	29.74	31.76	9.58	30.43	228	324	A	V



802.11n HT20 CH 48 5240MHz		5126.1	50.73	-23.27	74	39.88	32.05	9.23	30.43	100	230	P	H
		5150	40.43	-13.57	54	29.5	32.1	9.26	30.43	100	230	A	H
	*	5240	106.23	-	-	95.8	31.51	9.35	30.43	100	230	P	H
	*	5240	97.26	-	-	86.83	31.51	9.35	30.43	100	230	A	H
		5410.72	52.19	-21.81	74	41.44	31.7	9.48	30.43	100	230	P	H
		5460	41.3	-12.7	54	30.39	31.76	9.58	30.43	100	230	A	H
		5114.4	50.39	-23.61	74	39.57	32.03	9.22	30.43	268	167	P	V
		5147.16	39.94	-14.06	54	29.03	32.09	9.25	30.43	268	167	A	V
	*	5240	101.23	-	-	90.77	31.55	9.34	30.43	268	167	P	V
	*	5240	92.39	-	-	81.93	31.55	9.34	30.43	268	167	A	V
		5437.88	49.94	-24.06	74	39.14	31.7	9.53	30.43	268	167	P	V
		5460	40.59	-13.41	54	29.68	31.76	9.58	30.43	268	167	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	52.51	-15.69	68.2	59.43	39.9	13.57	60.39	100	0	P	H
		15540	45.69	-28.31	74	51.95	38	17.01	61.27	100	0	P	H
													H
													H
		10360	52.17	-16.03	68.2	59.09	39.9	13.57	60.39	100	0	P	V
		15540	45.88	-28.12	74	52.14	38	17.01	61.27	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	51.99	-16.21	68.2	58.82	40.1	13.65	60.58	100	0	P	H
		15660	45.84	-28.16	74	52.11	37.58	17.16	61.01	100	0	P	H
													H
													H
		10440	49.05	-19.15	68.2	55.88	40.1	13.65	60.58	100	0	P	V
		15660	45.1	-28.9	74	51.37	37.58	17.16	61.01	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	48.75	-19.45	68.2	55.65	40.1	13.68	60.68	100	0	P	H
		15720	48.42	-25.58	74	54.63	37.46	17.21	60.88	100	0	P	H
													H
													H
		10480	49.42	-18.78	68.2	56.32	40.1	13.68	60.68	100	0	P	V
		15720	57.3	-16.7	74	63.51	37.46	17.21	60.88	185	290	P	V
		15720	38.27	-15.73	54	44.48	37.46	17.21	60.88	185	290	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5149.24	52.62	-21.38	74	41.7	32.1	9.25	30.43	100	230	P	H
		5150	45.03	-8.97	54	34.1	32.1	9.26	30.43	100	230	A	H
	*	5190	99.53	-	-	88.85	31.8	9.31	30.43	100	230	P	H
	*	5190	91.37	-	-	80.69	31.8	9.31	30.43	100	230	A	H
		5392.8	51.22	-22.78	74	40.54	31.66	9.45	30.43	100	230	P	H
		5416.88	42.6	-11.4	54	31.84	31.7	9.49	30.43	100	230	A	H
		5055.9	49.65	-24.35	74	39.02	31.91	9.15	30.43	250	166	P	V
		5149.76	42.53	-11.47	54	31.61	32.1	9.25	30.43	250	166	A	V
	*	5190	94.46	-	-	83.78	31.8	9.31	30.43	250	166	P	V
	*	5190	86.35	-	-	75.67	31.8	9.31	30.43	250	166	A	V
		5370.96	50.5	-23.5	74	39.96	31.53	9.44	30.43	250	166	P	V
		5456.64	42.33	-11.67	54	31.45	31.74	9.57	30.43	250	166	A	V
802.11n HT40 CH 46 5230MHz		5148.72	51.49	-22.51	74	40.57	32.1	9.25	30.43	100	230	P	H
		5134.68	43.56	-10.44	54	32.68	32.07	9.24	30.43	100	230	A	H
	*	5230	105.04	-	-	94.58	31.55	9.34	30.43	100	230	P	H
	*	5230	97.47	-	-	87.01	31.55	9.34	30.43	100	230	A	H
		5446	52.76	-21.24	74	41.94	31.7	9.55	30.43	100	230	P	H
		5451.88	44.87	-9.13	54	34.03	31.71	9.56	30.43	100	230	A	H
		5137.8	50.3	-23.7	74	39.41	32.08	9.24	30.43	268	165	P	V
		5147.68	42.55	-11.45	54	31.63	32.1	9.25	30.43	268	165	A	V
	*	5230	100.25	-	-	89.76	31.58	9.34	30.43	268	165	P	V
	*	5230	92.21	-	-	81.72	31.58	9.34	30.43	268	165	A	V
		5441.8	52.88	-21.12	74	42.07	31.7	9.54	30.43	268	165	P	V
		5454.68	43.46	-10.54	54	32.59	31.73	9.57	30.43	268	165	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	45.02	-23.18	68.2	51.2	40	14.25	60.43	100	0	P	H
		15570	45.6	-28.4	74	51.57	37.85	17.38	61.2	100	0	P	H
													H
													H
		10380	46.02	-22.18	68.2	52.2	40	14.25	60.43	100	0	P	V
		15570	45.47	-28.53	74	51.44	37.85	17.38	61.2	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	51.13	-17.07	68.2	57.37	40.1	14.29	60.63	100	0	P	H
		15690	47.82	-26.18	74	53.75	37.52	17.5	60.95	100	0	P	H
													H
													H
		10460	49.16	-19.04	68.2	55.4	40.1	14.29	60.63	100	0	P	V
		15690	49.39	-24.61	74	55.32	37.52	17.5	60.95	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	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5103.7	50.48	-23.52	74	39.7	32.01	9.2	30.43	100	228	P	H
		5147.9	40.4	-13.6	54	29.48	32.1	9.25	30.43	100	228	A	H
	*	5260	108.05	-	-	97.64	31.48	9.36	30.43	100	228	P	H
	*	5260	99.72	-	-	89.31	31.48	9.36	30.43	100	228	A	H
		5440.08	50.99	-23.01	74	40.18	31.7	9.54	30.43	100	228	P	H
		5460	41.37	-12.63	54	30.46	31.76	9.58	30.43	100	228	A	H
		5145.52	49.92	-24.08	74	39.01	32.09	9.25	30.43	298	162	P	V
		5146.54	40	-14	54	29.09	32.09	9.25	30.43	298	162	A	V
	*	5260	103.09	-	-	92.68	31.48	9.36	30.43	298	162	P	V
	*	5260	95.14	-	-	84.73	31.48	9.36	30.43	298	162	A	V
		5453.04	50.6	-23.4	74	39.75	31.72	9.56	30.43	298	162	P	V
		5460	40.69	-13.31	54	29.78	31.76	9.58	30.43	298	162	A	V
802.11a CH 60 5300MHz		5128.18	50.27	-23.73	74	39.41	32.06	9.23	30.43	225	228	P	H
		5145.18	40.82	-13.18	54	29.91	32.09	9.25	30.43	225	228	A	H
	*	5300	106.46	-	-	96.1	31.41	9.38	30.43	225	228	P	H
	*	5300	97.44	-	-	87.08	31.41	9.38	30.43	225	228	A	H
		5446.08	51.59	-22.41	74	40.77	31.7	9.55	30.43	225	228	P	H
		5460	41.85	-12.15	54	30.94	31.76	9.58	30.43	225	228	A	H
		5137.02	50.45	-23.55	74	39.57	32.07	9.24	30.43	272	166	P	V
		5145.86	40.21	-13.79	54	29.3	32.09	9.25	30.43	272	166	A	V
	*	5300	102.53	-	-	92.17	31.4	9.39	30.43	272	166	P	V
	*	5300	93.6	-	-	83.24	31.4	9.39	30.43	272	166	A	V
		5427.6	50.59	-23.41	74	39.81	31.7	9.51	30.43	272	166	P	V
		5460	40.95	-13.05	54	30.04	31.76	9.58	30.43	272	166	A	V



802.11a CH 64 5320MHz	*	5320	106.63	-	-	96.26	31.4	9.4	30.43	225	229	P	H
	*	5320	97.72	-	-	87.35	31.4	9.4	30.43	225	229	A	H
		5352.8	52.93	-21.07	74	42.52	31.42	9.42	30.43	225	229	P	H
		5350.24	44.21	-9.79	54	33.82	31.4	9.42	30.43	225	229	A	H
													H
													H
	*	5320	102.46	-	-	92.09	31.4	9.4	30.43	261	162	P	V
	*	5320	93.26	-	-	82.89	31.4	9.4	30.43	261	162	A	V
		5458.72	51.66	-22.34	74	40.77	31.75	9.57	30.43	261	162	P	V
		5351.36	41.75	-12.25	54	31.35	31.41	9.42	30.43	261	162	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	49.9	-18.3	68.2	56.22	40.12	14.31	60.75	100	0	P	H
		15780	49.63	-24.37	74	55.48	37.34	17.57	60.76	100	0	P	H
													H
													H
		10520	50.3	-17.9	68.2	56.62	40.12	14.31	60.75	100	0	P	V
		15780	59.34	-14.66	74	65.19	37.34	17.57	60.76	202	290	P	V
		15780	42.7	-11.3	54	48.55	37.34	17.57	60.76	202	290	A	V
													V
802.11a CH 60 5300MHz		10600	48.96	-25.04	74	55.27	40.2	14.31	60.82	100	0	P	H
		15900	49.75	-24.25	74	55.78	36.8	17.67	60.5	100	0	P	H
													H
													H
		10600	54.91	-19.09	74	61.22	40.2	14.31	60.82	100	118	P	V
		10600	42.91	-11.09	54	49.22	40.2	14.31	60.82	100	118	A	V
		15900	49.45	-24.55	74	55.48	36.8	17.67	60.5	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	57.67	-16.33	74	64.05	40.16	14.31	60.85	100	232	P	H
		10640	44.73	-9.27	54	51.11	40.16	14.31	60.85	100	232	A	H
		15960	49.43	-24.57	74	55.27	36.92	17.61	60.37	100	0	P	H
													H
		10640	56.76	-17.24	74	63.14	40.16	14.31	60.85	100	116	P	V
		10640	44.36	-9.64	54	50.74	40.16	14.31	60.85	100	116	A	V
		15960	60.86	-13.14	74	66.7	36.92	17.61	60.37	254	277	P	V
		15960	37.52	-16.48	54	43.36	36.92	17.61	60.37	254	277	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5115.26	50.91	-23.09	74	40.09	32.03	9.22	30.43	100	231	P	H
		5149.6	40.69	-13.31	54	29.77	32.1	9.25	30.43	100	231	A	H
	*	5260	107.32	-	-	96.92	31.47	9.36	30.43	100	231	P	H
	*	5260	98.18	-	-	87.78	31.47	9.36	30.43	100	231	A	H
		5459.76	52.36	-21.64	74	41.45	31.76	9.58	30.43	100	231	P	H
		5460	41.57	-12.43	54	30.66	31.76	9.58	30.43	100	231	A	H
		5043.86	50.02	-23.98	74	39.43	31.88	9.14	30.43	298	161	P	V
		5146.2	40.22	-13.78	54	29.31	32.09	9.25	30.43	298	161	A	V
	*	5260	102.32	-	-	91.91	31.49	9.35	30.43	298	161	P	V
	*	5260	93.31	-	-	82.9	31.49	9.35	30.43	298	161	A	V
		5434.08	50.57	-23.43	74	39.77	31.7	9.53	30.43	298	161	P	V
		5460	40.95	-13.05	54	30.04	31.76	9.58	30.43	298	161	A	V
802.11n HT20 CH 60 5300MHz		5005.78	50.06	-23.94	74	39.67	31.72	9.1	30.43	100	224	P	H
		5144.84	40.79	-13.21	54	29.88	32.09	9.25	30.43	100	224	A	H
	*	5300	106.28	-	-	95.92	31.41	9.38	30.43	100	224	P	H
	*	5300	97.57	-	-	87.21	31.41	9.38	30.43	100	224	A	H
		5457.36	51.74	-22.26	74	40.86	31.74	9.57	30.43	100	224	P	H
		5459.76	42.08	-11.92	54	31.17	31.76	9.58	30.43	100	224	A	H
		5065.62	50.94	-23.06	74	40.28	31.93	9.16	30.43	272	166	P	V
		5145.86	40.26	-13.74	54	29.35	32.09	9.25	30.43	272	166	A	V
	*	5300	102.64	-	-	92.28	31.4	9.39	30.43	272	166	P	V
	*	5300	93.58	-	-	83.22	31.4	9.39	30.43	272	166	A	V
		5458.8	52	-22	74	41.11	31.75	9.57	30.43	272	166	P	V
		5460	41.11	-12.89	54	30.2	31.76	9.58	30.43	272	166	A	V



802.11n HT20 CH 64 5320MHz	*	5320	106.89	-	-	96.52	31.4	9.4	30.43	245	227	P	H
	*	5320	98.04	-	-	87.67	31.4	9.4	30.43	245	227	A	H
		5350.4	53.26	-20.74	74	42.87	31.4	9.42	30.43	245	227	P	H
		5350.56	44.59	-9.41	54	34.2	31.4	9.42	30.43	245	227	A	H
													H
													H
	*	5320	102.6	-	-	92.23	31.4	9.4	30.43	274	164	P	V
	*	5320	93.66	-	-	83.29	31.4	9.4	30.43	274	164	A	V
		5354.56	51.39	-22.61	74	40.96	31.43	9.43	30.43	274	164	P	V
		5350.08	41.96	-12.04	54	31.57	31.4	9.42	30.43	274	164	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	49.52	-18.68	68.2	55.84	40.12	14.31	60.75	100	0	P	H
		15780	49.49	-24.51	74	55.34	37.34	17.57	60.76	100	0	P	H
													H
													H
		10520	49.57	-18.63	68.2	55.89	40.12	14.31	60.75	100	0	P	V
		15780	49.9	-24.1	74	55.75	37.34	17.57	60.76	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	48.77	-25.23	74	55.08	40.2	14.31	60.82	100	0	P	H
		15900	48.95	-25.05	74	54.98	36.8	17.67	60.5	100	0	P	H
													H
													H
		10600	53.71	-20.29	74	60.02	40.2	14.31	60.82	214	316	P	V
		10600	41.64	-12.36	54	47.95	40.2	14.31	60.82	214	316	A	V
		15900	55.33	-18.67	74	61.36	36.8	17.67	60.5	299	321	P	V
		15900	35.7	-18.3	54	41.73	36.8	17.67	60.5	299	321	A	V
802.11n HT20 CH 64 5320MHz		10640	57.02	-16.98	74	63.4	40.16	14.31	60.85	100	235	P	H
		10640	44.95	-9.05	54	51.33	40.16	14.31	60.85	100	235	A	H
		15960	56.55	-17.45	74	62.39	36.92	17.61	60.37	279	230	P	H
		15960	36.2	-17.8	54	42.04	36.92	17.61	60.37	279	230	A	H
		10640	56.95	-17.05	74	63.33	40.16	14.31	60.85	100	120	P	V
		10640	44.72	-9.28	54	51.1	40.16	14.31	60.85	100	120	A	V
		15960	54.89	-19.11	74	60.73	36.92	17.61	60.37	100	307	P	V
		15960	35.99	-18.01	54	41.83	36.92	17.61	60.37	100	307	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 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5139.4	50.66	-23.34	74	39.77	32.08	9.24	30.43	100	229	P	H
		5102.68	42.52	-11.48	54	31.74	32.01	9.2	30.43	100	229	A	H
	*	5270	103.38	-	-	93	31.44	9.37	30.43	100	229	P	H
	*	5270	93.48	-	-	83.1	31.44	9.37	30.43	100	229	A	H
		5397.12	51.67	-22.33	74	40.96	31.68	9.46	30.43	100	229	P	H
		5452.56	43.37	-10.63	54	32.52	31.72	9.56	30.43	100	229	A	H
		5134.3	50.43	-23.57	74	39.55	32.07	9.24	30.43	399	218	P	V
		5148.24	41.91	-12.09	54	30.99	32.1	9.25	30.43	399	218	A	V
	*	5270	98.2	-	-	87.82	31.44	9.37	30.43	399	218	P	V
	*	5270	88.02	-	-	77.64	31.44	9.37	30.43	399	218	A	V
		5435.28	50.17	-23.83	74	39.37	31.7	9.53	30.43	399	218	P	V
		5401.2	42.11	-11.89	54	31.38	31.7	9.46	30.43	399	218	A	V
802.11n HT40 CH 62 5310MHz		5118.66	50.24	-23.76	74	39.41	32.04	9.22	30.43	100	227	P	H
		5146.2	41.96	-12.04	54	31.05	32.09	9.25	30.43	100	227	A	H
	*	5310	101.56	-	-	91.2	31.4	9.39	30.43	100	227	P	H
	*	5310	93.86	-	-	83.5	31.4	9.39	30.43	100	227	A	H
		5350.8	56.6	-17.4	74	46.21	31.4	9.42	30.43	100	227	P	H
		5351.52	47.81	-6.19	54	37.41	31.41	9.42	30.43	100	227	A	H
		5090.1	50.09	-23.91	74	39.35	31.98	9.19	30.43	274	164	P	V
		5062.56	41.81	-12.19	54	31.15	31.93	9.16	30.43	274	164	A	V
	*	5310	97.81	-	-	87.45	31.4	9.39	30.43	274	164	P	V
	*	5310	90.3	-	-	79.94	31.4	9.39	30.43	274	164	A	V
		5351.04	53.07	-20.93	74	42.67	31.41	9.42	30.43	274	164	P	V
		5350.08	44.95	-9.05	54	34.56	31.4	9.42	30.43	274	164	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	49.97	-18.23	68.2	56.27	40.14	14.32	60.76	100	0	P	H
		15810	46.11	-27.89	74	51.95	37.25	17.6	60.69	100	0	P	H
													H
													H
		10540	47.68	-20.52	68.2	53.98	40.14	14.32	60.76	100	0	P	V
		15810	46.09	-27.91	74	51.93	37.25	17.6	60.69	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	47.57	-26.43	74	53.91	40.18	14.31	60.83	100	0	P	H
		15930	44.69	-29.31	74	50.62	36.86	17.65	60.44	100	0	P	H
													H
													H
		10620	48.02	-25.98	74	54.36	40.18	14.31	60.83	100	0	P	V
		15930	44.87	-29.13	74	50.8	36.86	17.65	60.44	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	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5401.04	53.46	-20.54	74	41.24	31.7	10.95	30.43	252	216	P	H
		5466.64	54.17	-14.03	68.2	41.82	31.8	10.98	30.43	252	216	P	H
		5460	43.23	-10.77	54	30.92	31.76	10.98	30.43	252	216	A	H
	*	5500	106.42	-	-	93.85	32	11	30.43	252	216	P	H
	*	5500	97.86	-	-	85.29	32	11	30.43	252	216	A	H
													H
		5430.8	52.61	-21.39	74	40.37	31.7	10.97	30.43	108	0	P	V
		5470	52.45	-15.75	68.2	40.08	31.82	10.98	30.43	108	0	P	V
		5460	42.2	-11.8	54	29.89	31.76	10.98	30.43	108	0	A	V
	*	5500	102.78	-	-	90.21	32	11	30.43	108	0	P	V
	*	5500	94.64	-	-	82.07	32	11	30.43	108	0	A	V
													V
802.11a CH 116 5580MHz		5390.56	52.84	-21.16	74	40.69	31.64	10.94	30.43	254	266	P	H
		5468.08	52.87	-15.33	68.2	40.51	31.81	10.98	30.43	254	266	P	H
		5459.92	42.23	-11.77	54	29.92	31.76	10.98	30.43	254	266	A	H
	*	5580	104.7	-	-	92.28	31.86	11.04	30.48	254	266	P	H
	*	5580	95.53	-	-	83.11	31.86	11.04	30.48	254	266	A	H
		5734.13	51.58	-16.62	68.2	39.18	32	10.98	30.58	254	266	P	H
		5355.04	51.39	-22.61	74	39.48	31.43	10.91	30.43	100	1	P	V
		5467.36	52.19	-16.01	68.2	39.84	31.8	10.98	30.43	100	1	P	V
		5459.92	42.03	-11.97	54	29.72	31.76	10.98	30.43	100	1	A	V
	*	5580	100.06	-	-	87.64	31.86	11.04	30.48	100	1	P	V
	*	5580	91.86	-	-	79.44	31.86	11.04	30.48	100	1	A	V
		5742.005	52.08	-16.12	68.2	39.68	32	10.98	30.58	100	1	P	V



802.11a CH 140 5700MHz	*	5700	104.9	-	-	92.45	32	11	30.55	244	297	P	H
	*	5700	96.57	-	-	84.12	32	11	30.55	244	297	A	H
		5731.16	53.41	-14.79	68.2	41	32	10.98	30.57	244	297	P	H
													H
													H
													H
	*	5700	99.2	-	-	86.75	32	11	30.55	100	5	P	V
	*	5700	90.93	-	-	78.48	32	11	30.55	100	5	A	V
		5744.28	51.47	-16.73	68.2	39.07	32	10.98	30.58	100	5	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	59.35	-14.65	74	65.56	40.6	14.35	61.16	100	236	P	H
		11000	49.09	-4.91	54	55.3	40.6	14.35	61.16	100	236	A	H
		16500	61	-7.2	68.2	63.39	38.8	17.88	59.07	100	0	P	H
													H
		11000	62.07	-11.93	74	68.28	40.6	14.35	61.16	100	233	P	V
		11000	50.46	-3.54	54	56.67	40.6	14.35	61.16	100	233	A	V
		16500	61.3	-6.9	68.2	63.69	38.8	17.88	59.07	100	0	P	V
													V
802.11a CH 116 5580MHz		11160	55.72	-18.28	74	62.19	40.22	14.61	61.3	100	324	P	H
		11160	43.62	-10.38	54	50.09	40.22	14.61	61.3	100	324	A	H
		16740	64.13	-4.07	68.2	65.12	39.98	18.26	59.23	186	47	P	H
													H
		11160	57.27	-16.73	74	63.74	40.22	14.61	61.3	100	325	P	V
		11160	44.83	-9.17	54	51.3	40.22	14.61	61.3	100	325	A	V
		16740	61.45	-6.75	68.2	62.44	39.98	18.26	59.23	261	85	P	V
													V
802.11a CH 140 5700MHz		11400	54.79	-19.21	74	61.06	40.3	14.94	61.51	219	235	P	H
		11400	42.86	-11.14	54	49.13	40.3	14.94	61.51	219	235	A	H
		17100	64.09	-4.11	68.2	63.88	40.8	18.56	59.15	183	231	P	H
													H
		11400	56.12	-17.88	74	62.39	40.3	14.94	61.51	200	323	P	V
		11400	44.66	-9.34	54	50.93	40.3	14.94	61.51	200	323	A	V
		17100	61.49	-6.71	68.2	61.28	40.8	18.56	59.15	300	306	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5441.68	53.09	-20.91	74	40.85	31.7	10.97	30.43	244	218	P	H
		5467.76	53.82	-14.38	68.2	41.46	31.81	10.98	30.43	244	218	P	H
		5459.92	43.13	-10.87	54	30.82	31.76	10.98	30.43	244	218	A	H
	*	5500	105.98	-	-	93.41	32	11	30.43	244	218	P	H
	*	5500	97.64	-	-	85.07	32	11	30.43	244	218	A	H
													H
		5456.08	52.55	-21.45	74	40.26	31.74	10.98	30.43	100	359	P	V
		5469.84	52.7	-15.5	68.2	40.33	31.82	10.98	30.43	100	359	P	V
		5459.76	42.2	-11.8	54	29.89	31.76	10.98	30.43	100	359	A	V
	*	5500	103.08	-	-	90.51	32	11	30.43	100	359	P	V
	*	5500	94.39	-	-	81.82	32	11	30.43	100	359	A	V
													V
802.11n HT20 CH 116 5580MHz		5396.08	52.13	-21.87	74	39.93	31.68	10.95	30.43	258	266	P	H
		5466.4	51.13	-17.07	68.2	38.78	31.8	10.98	30.43	258	266	P	H
		5459.92	42.26	-11.74	54	29.95	31.76	10.98	30.43	258	266	A	H
	*	5580	104.48	-	-	92.06	31.86	11.04	30.48	258	266	P	H
	*	5580	96.03	-	-	83.61	31.86	11.04	30.48	258	266	A	H
		5730.35	52.2	-16	68.2	39.79	32	10.98	30.57	258	266	P	H
		5455.36	51.73	-22.27	74	39.45	31.73	10.98	30.43	100	3	P	V
		5460.88	51.38	-16.82	68.2	39.06	31.77	10.98	30.43	100	3	P	V
		5459.92	41.95	-12.05	54	29.64	31.76	10.98	30.43	100	3	A	V
	*	5580	100.38	-	-	87.96	31.86	11.04	30.48	100	3	P	V
	*	5580	92.34	-	-	79.92	31.86	11.04	30.48	100	3	A	V
		5759.96	51.46	-16.74	68.2	39.04	32.04	10.97	30.59	100	3	P	V



802.11n HT20 CH 140 5700MHz	*	5700	106.03	-	-	93.58	32	11	30.55	264	264	P	H
	*	5700	97.72	-	-	85.27	32	11	30.55	264	264	A	H
		5725.24	53.57	-14.63	68.2	41.15	32	10.99	30.57	264	264	P	H
													H
													H
													H
	*	5700	99.56	-	-	87.11	32	11	30.55	100	2	P	V
	*	5700	91.34	-	-	78.89	32	11	30.55	100	2	A	V
		5728.04	52.68	-15.52	68.2	40.26	32	10.99	30.57	100	2	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	58.91	-15.09	74	65.12	40.6	14.35	61.16	100	235	P	H
		11000	45.76	-8.24	54	51.97	40.6	14.35	61.16	100	235	A	H
		16500	58.47	-9.73	68.2	60.86	38.8	17.88	59.07	200	166	P	H
													H
		11000	59.08	-14.92	74	65.29	40.6	14.35	61.16	100	230	P	V
		11000	46.73	-7.27	54	52.94	40.6	14.35	61.16	100	230	A	V
		16500	64.07	-4.13	68.2	66.46	38.8	17.88	59.07	222	283	P	V
													V
802.11n HT20 CH 116 5580MHz		11160	57.02	-16.98	74	63.49	40.22	14.61	61.3	100	130	P	H
		11160	43.39	-10.61	54	49.86	40.22	14.61	61.3	100	130	A	H
		16740	59.75	-8.45	68.2	60.74	39.98	18.26	59.23	209	311	P	H
													H
		11160	58.29	-15.71	74	64.76	40.22	14.61	61.3	100	232	P	V
		11160	45.51	-8.49	54	51.98	40.22	14.61	61.3	100	232	A	V
		16740	62.06	-6.14	68.2	63.05	39.98	18.26	59.23	314	8	P	V
													V
802.11n HT20 CH 140 5700MHz		11400	55.44	-18.56	74	61.71	40.3	14.94	61.51	100	233	P	H
		11400	43.46	-10.54	54	49.73	40.3	14.94	61.51	100	233	A	H
		17100	64.63	-3.57	68.2	64.42	40.8	18.56	59.15	220	250	P	H
													H
		11400	55.61	-18.39	74	61.88	40.3	14.94	61.51	100	230	P	V
		11400	44.15	-9.85	54	50.42	40.3	14.94	61.51	100	230	A	V
		17100	64.1	-4.1	68.2	63.89	40.8	18.56	59.15	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5459.68	56.18	-17.82	74	45.27	31.76	9.58	30.43	253	221	P	H
		5470	63.66	-4.54	68.2	52.67	31.82	9.6	30.43	253	221	P	H
		5459.62	44.51	-9.49	54	33.6	31.76	9.58	30.43	253	221	A	H
	*	5510	102.26	-	-	91.07	31.96	9.67	30.44	253	221	P	H
	*	5510	94.1	-	-	82.91	31.96	9.67	30.44	253	221	A	H
		5752.085	51.85	-16.35	68.2	40.56	32.01	9.87	30.59	253	221	P	H
		5438.56	51.98	-22.02	74	41.17	31.7	9.54	30.43	100	0	P	V
		5469.88	58.56	-9.64	68.2	47.57	31.82	9.6	30.43	100	0	P	V
		5459.35	42.43	-11.57	54	31.52	31.76	9.58	30.43	100	0	A	V
	*	5510	98.4	-	-	87.21	31.96	9.67	30.44	100	0	P	V
	*	5510	90.57	-	-	79.38	31.96	9.67	30.44	100	0	A	V
		5753.03	49.34	-18.86	68.2	38.05	32.01	9.87	30.59	100	0	P	V
802.11n HT40 CH 110 5550MHz		5398.6	54.15	-19.85	74	41.94	31.69	10.95	30.43	238	219	P	H
		5469.07	53.48	-14.72	68.2	41.12	31.81	10.98	30.43	238	219	P	H
		5455.84	44.82	-9.18	54	32.53	31.74	10.98	30.43	238	219	A	H
	*	5550	103.18	-	-	90.82	31.8	11.02	30.46	238	219	P	H
	*	5550	95.52	-	-	83.16	31.8	11.02	30.46	238	219	A	H
		5764.055	51.91	-16.29	68.2	39.47	32.06	10.97	30.59	238	219	P	H
		5395.9	52.77	-21.23	74	40.57	31.68	10.95	30.43	100	2	P	V
		5460.16	52.58	-15.62	68.2	40.27	31.76	10.98	30.43	100	2	P	V
		5437.75	43.84	-10.16	54	31.6	31.7	10.97	30.43	100	2	A	V
	*	5550	100.87	-	-	88.51	31.8	11.02	30.46	100	2	P	V
	*	5550	92.96	-	-	80.6	31.8	11.02	30.46	100	2	A	V
		5737.91	51.87	-16.33	68.2	39.47	32	10.98	30.58	100	2	P	V



802.11n HT40 CH 134 5670MHz		5419.56	50.13	-23.87	74	39.36	31.7	9.5	30.43	263	265	P	H
		5462.11	49.6	-18.6	68.2	38.68	31.77	9.58	30.43	263	265	P	H
		5455.82	42.28	-11.72	54	31.41	31.73	9.57	30.43	263	265	A	H
	*	5670	105.02	-	-	93.82	31.88	9.86	30.54	263	265	P	H
	*	5670	97.61	-	-	86.41	31.88	9.86	30.54	263	265	A	H
		5734.375	52.55	-15.65	68.2	41.27	32	9.86	30.58	263	265	P	H
		5459.52	49.66	-24.34	74	38.75	31.76	9.58	30.43	100	4	P	V
		5466.92	49.76	-18.44	68.2	38.8	31.8	9.59	30.43	100	4	P	V
		5456.56	42.03	-11.97	54	31.15	31.74	9.57	30.43	100	4	A	V
	*	5670	99.13	-	-	87.93	31.88	9.86	30.54	100	4	P	V
	*	5670	91.36	-	-	80.16	31.88	9.86	30.54	100	4	A	V
		5743.125	50.29	-17.91	68.2	39.01	32	9.86	30.58	100	4	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	54.8	-19.2	74	61.04	40.56	14.38	61.18	100	234	P	H
		11020	45.14	-8.86	54	51.38	40.56	14.38	61.18	100	234	A	H
		16530	50.04	-18.16	68.2	52.38	38.83	17.92	59.09	100	0	P	H
													H
		11020	55.19	-18.81	74	61.43	40.56	14.38	61.18	100	231	P	V
		11020	45.59	-8.41	54	51.83	40.56	14.38	61.18	100	231	A	V
		16530	48.95	-19.25	68.2	51.29	38.83	17.92	59.09	100	0	P	V
													V
802.11n HT40 CH 110 5550MHz		11100	56.63	-17.37	74	63.03	40.4	14.45	61.25	100	233	P	H
		11100	48.14	-5.86	54	54.54	40.4	14.45	61.25	100	233	A	H
		16650	62.78	-5.42	68.2	64.5	39.3	18.15	59.17	191	316	P	H
													H
		11100	58.21	-15.79	74	64.61	40.4	14.45	61.25	100	230	P	V
		11100	49.6	-4.4	54	56	40.4	14.45	61.25	100	230	A	V
		16650	63.5	-4.7	68.2	65.22	39.3	18.15	59.17	238	283	P	V
													V
802.11n HT40 CH 134 5670MHz		11340	57.4	-16.6	74	63.72	40.18	14.96	61.46	100	234	P	H
		11340	48.35	-5.65	54	54.67	40.18	14.96	61.46	100	234	A	H
		17010	64.63	-3.57	68.2	64.95	40.62	18.44	59.38	391	237	P	H
													H
		11340	56.84	-17.16	74	63.16	40.18	14.96	61.46	100	229	P	V
		11340	48.47	-5.53	54	54.79	40.18	14.96	61.46	100	229	A	V
		17010	64.04	-4.16	68.2	64.36	40.62	18.44	59.38	100	0	P	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	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		197.81	37.17	-6.33	43.5	52.46	15.13	1.96	32.38	-	-	P	H
		320.03	42.75	-3.25	46	53.45	19.36	2.43	32.49	-	-	P	H
		352.04	42.2	-3.8	46	51.89	20.21	2.53	32.43	-	-	P	H
		431.58	42.46	-3.54	46	49.39	22.68	2.81	32.42	-	-	P	H
		448.07	43.93	-2.07	46	50.77	22.86	2.87	32.57	-	-	P	H
		468.44	44.84	-1.16	46	51.15	23.28	2.94	32.53	100	0	P	H
													H
													H
		35.82	32.15	-7.85	40	42.73	21.05	0.7	32.33	-	-	P	V
		121.18	33.74	-9.76	43.5	47.12	17.64	1.42	32.44	-	-	P	V
		288.02	38.65	-7.35	46	50	18.82	2.32	32.49	-	-	P	V
		352.04	37.41	-8.59	46	47.1	20.21	2.53	32.43	-	-	P	V
		475.23	38.21	-7.79	46	44.37	23.37	2.98	32.51	-	-	P	V
		535.37	42.46	-3.54	46	47.74	23.84	3.21	32.33	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5457.04	53.96	-20.04	74	41.67	31.74	10.98	30.43	266	204	P	H
		5467.6	54.84	-13.36	68.2	42.48	31.81	10.98	30.43	266	204	P	H
		5459.92	43.14	-10.86	54	30.83	31.76	10.98	30.43	266	204	A	H
	*	5500	107.7	-	-	95.13	32	11	30.43	266	204	P	H
	*	5500	98.75	-	-	86.18	32	11	30.43	266	204	A	H
													H
		5375.12	51.9	-22.1	74	39.85	31.55	10.93	30.43	253	179	P	V
		5466	53.35	-14.85	68.2	41	31.8	10.98	30.43	253	179	P	V
		5458.96	41.79	-12.21	54	29.49	31.75	10.98	30.43	253	179	A	V
	*	5500	101.81	-	-	89.24	32	11	30.43	253	179	P	V
	*	5500	92.79	-	-	80.22	32	11	30.43	253	179	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	60.47	-13.53	74	66.68	40.6	14.35	61.16	100	234	P	H
		11000	46.98	-7.02	54	53.19	40.6	14.35	61.16	100	234	A	H
		16500	64.11	-4.09	68.2	66.5	38.8	17.88	59.07	301	206	P	H
													H
		11000	60.31	-13.69	74	66.52	40.6	14.35	61.16	100	230	P	V
		11000	47.91	-6.09	54	54.12	40.6	14.35	61.16	100	230	A	V
		16500	64.57	-3.63	68.2	66.96	38.8	17.88	59.07	203	283	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



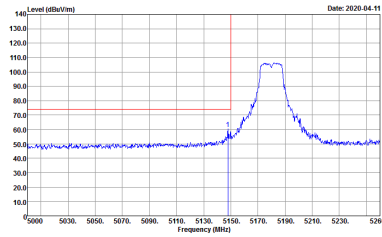
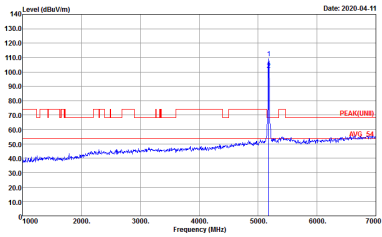
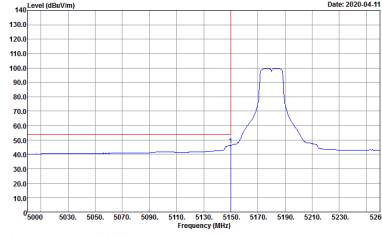
Appendix D. Radiated Spurious Emission

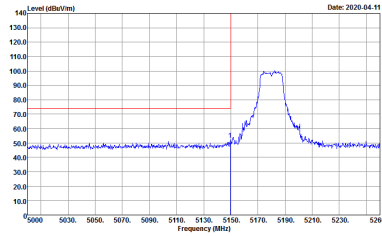
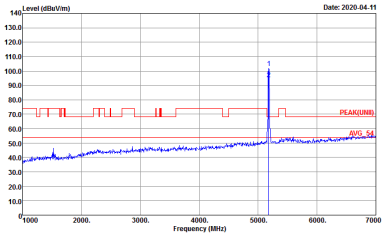
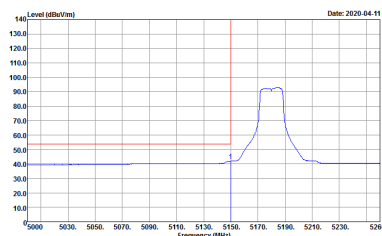
Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	24.3~24.9°C
		Relative Humidity :	55~60%

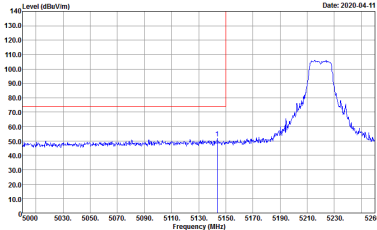
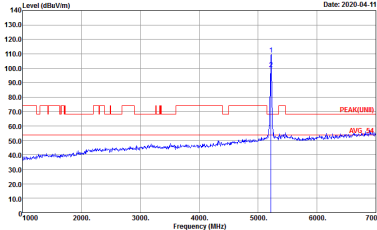
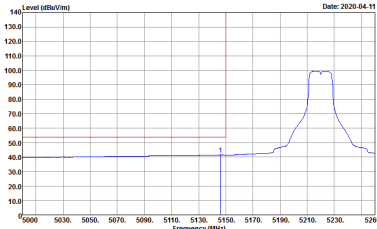
Note symbol

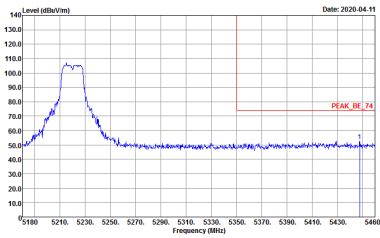
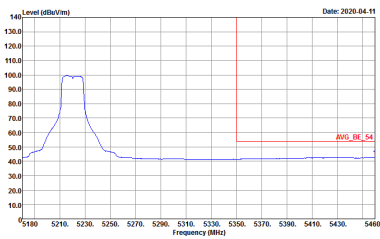
-L	Low channel location
-R	High channel location

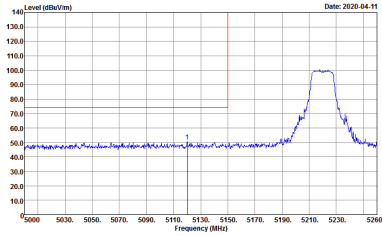
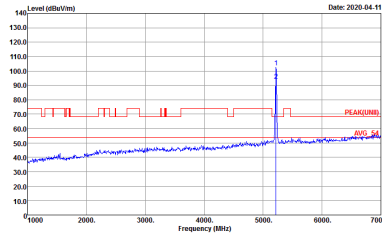
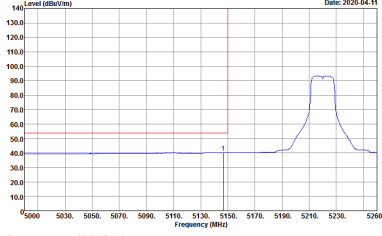
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

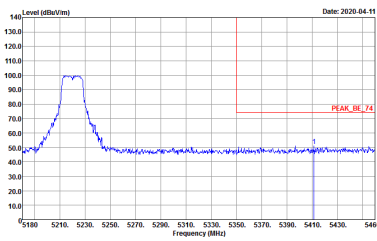
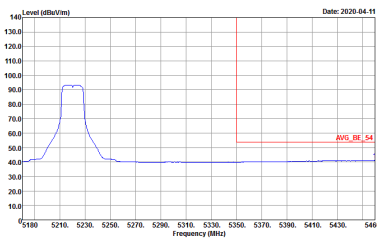
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

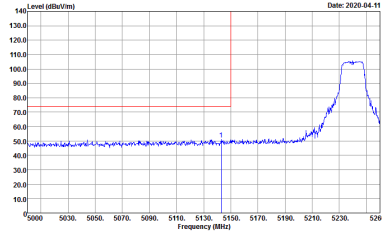
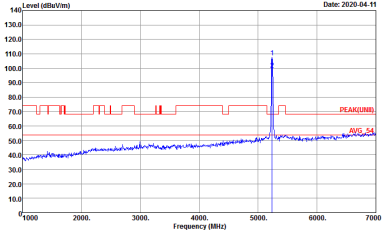
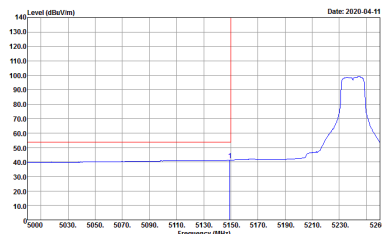
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

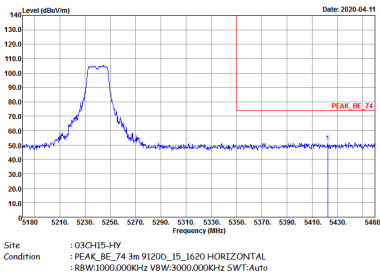
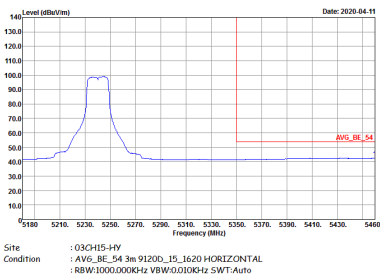
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

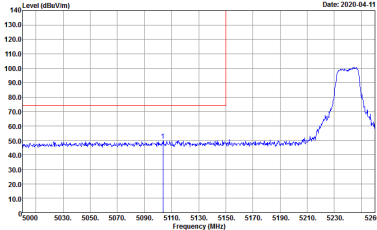
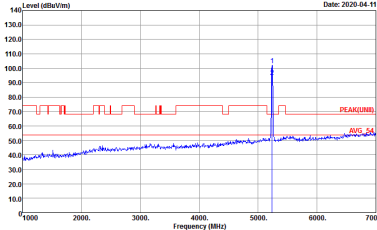
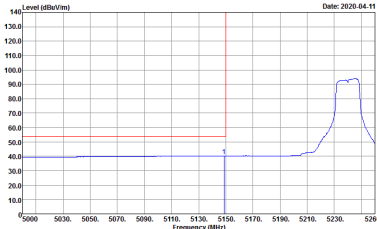
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH115-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH115-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

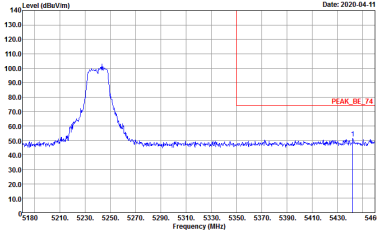
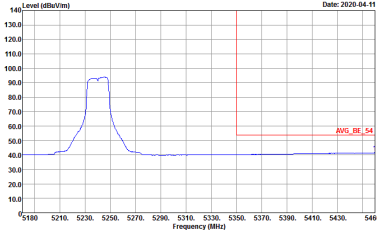
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

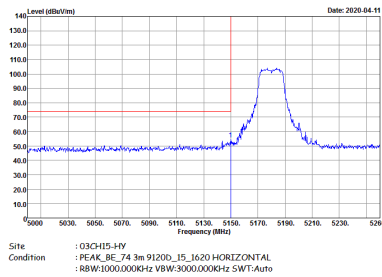
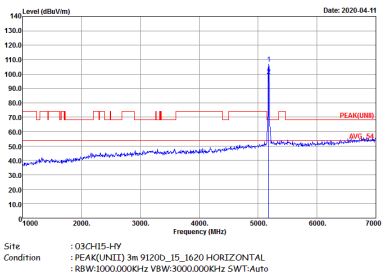
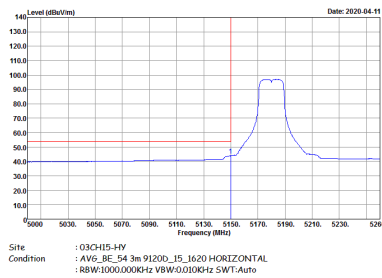
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

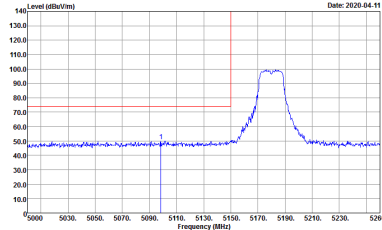
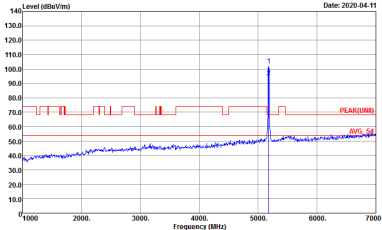
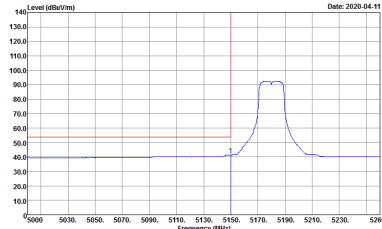
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

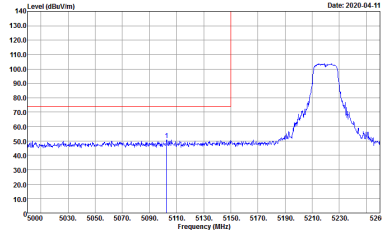
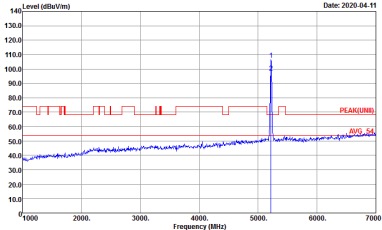
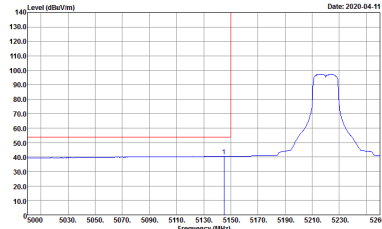
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

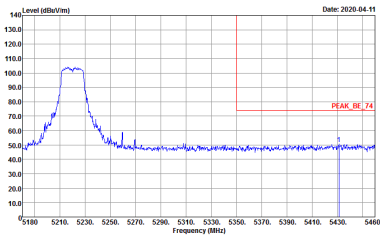
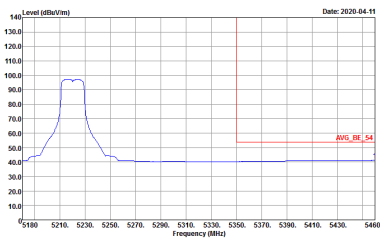
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

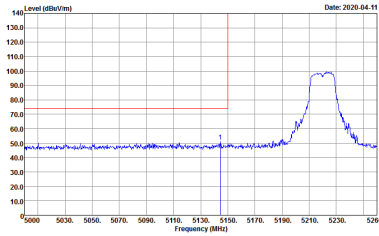
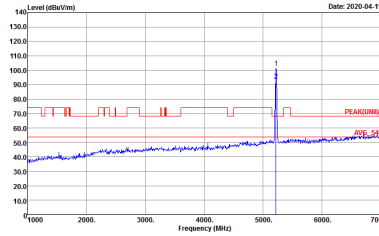
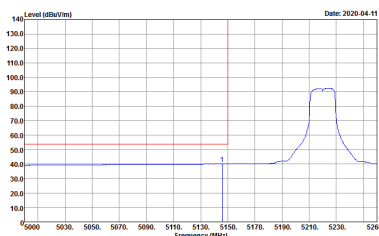
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

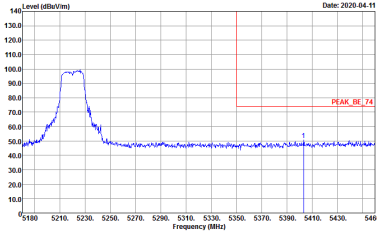
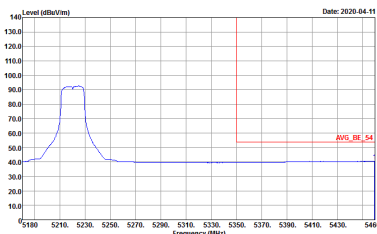
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

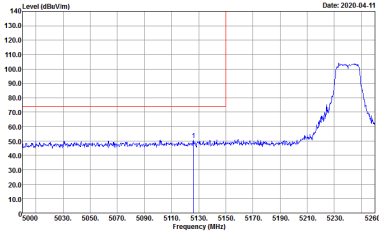
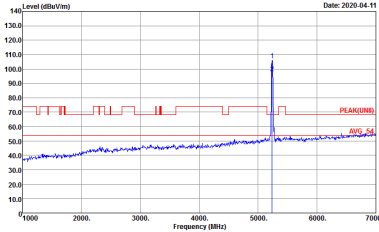
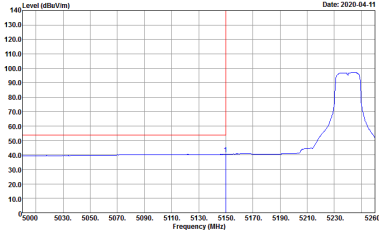
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

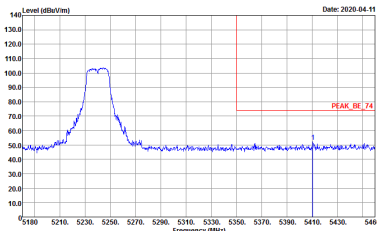
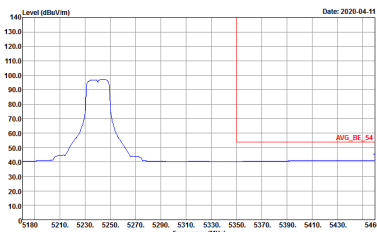
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH115-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH115-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

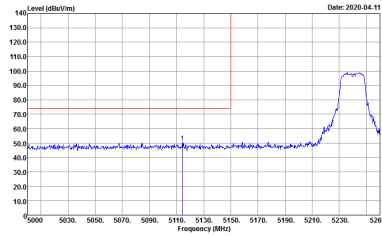
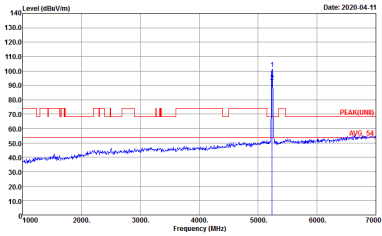
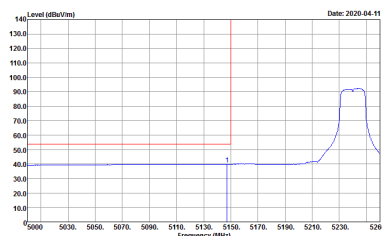
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

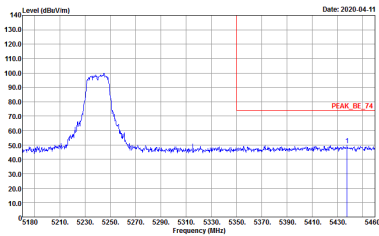
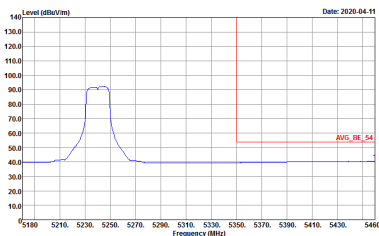
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



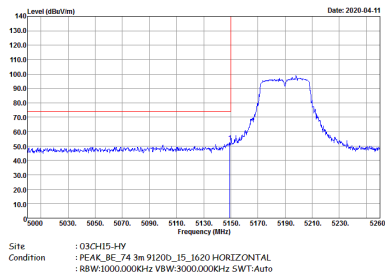
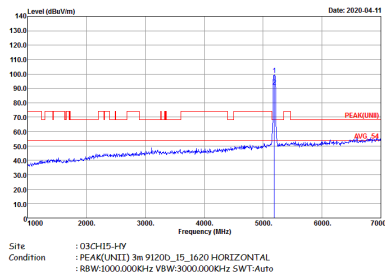
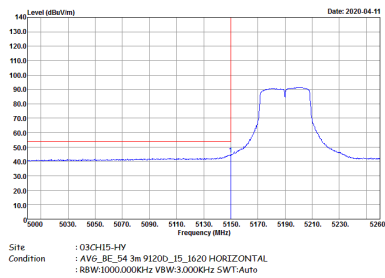
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

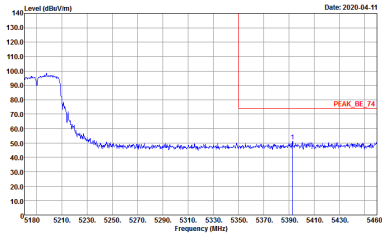
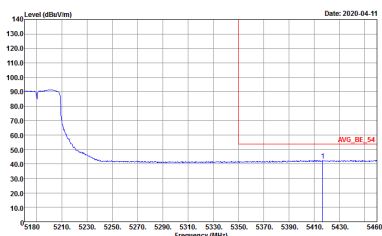
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

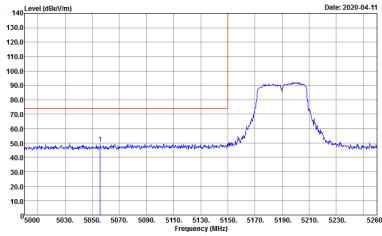
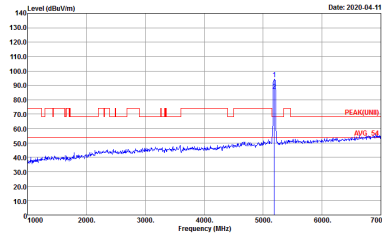
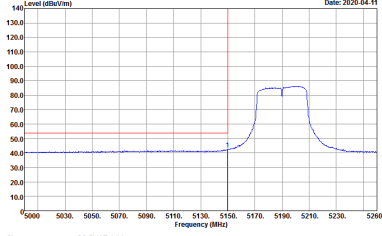
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

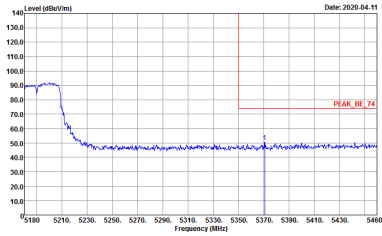
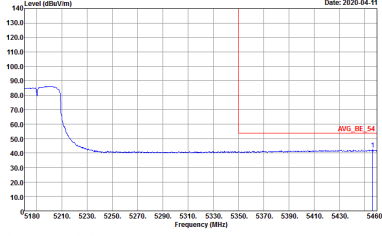
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

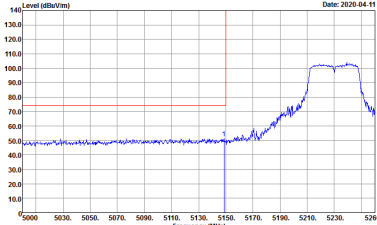
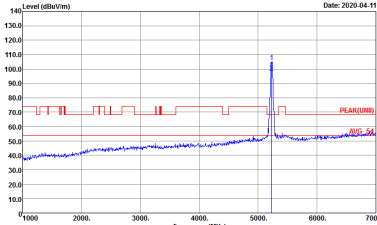
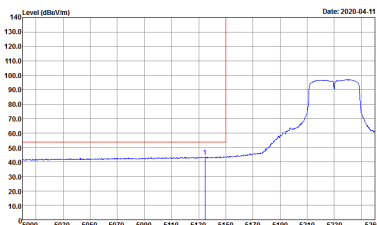
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

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

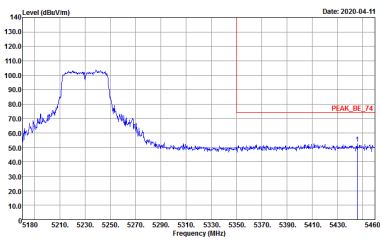
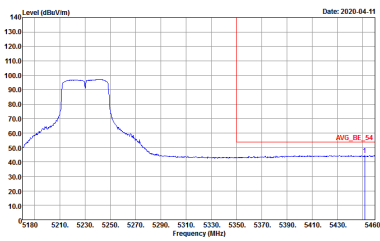
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

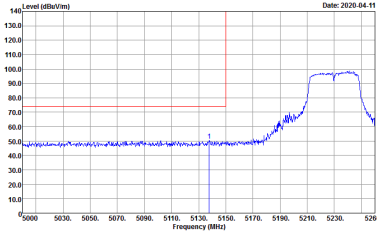
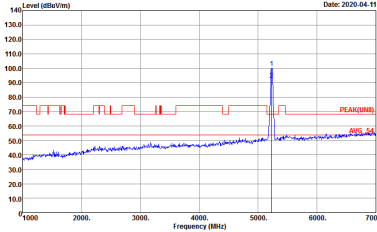
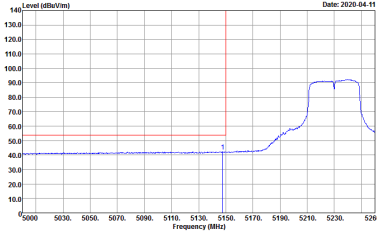
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

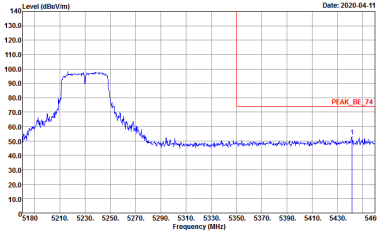
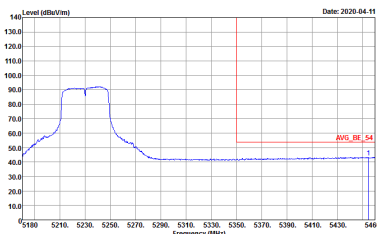
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

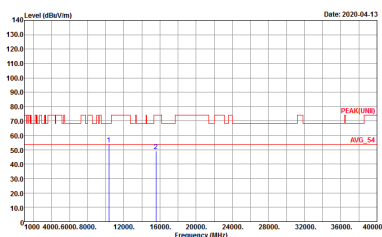
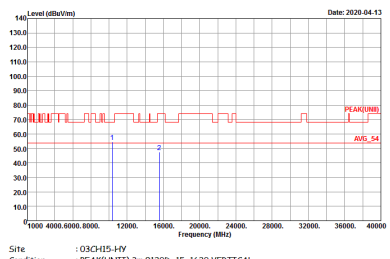


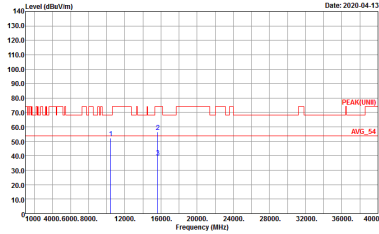
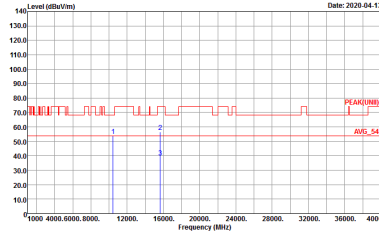
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

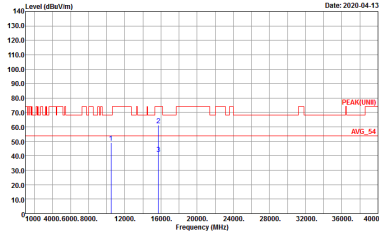
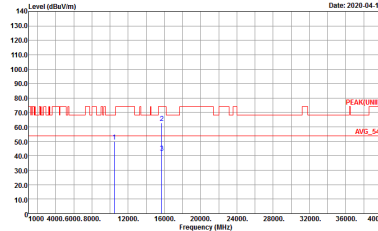
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

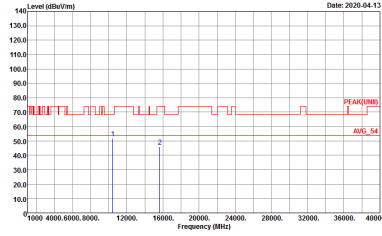
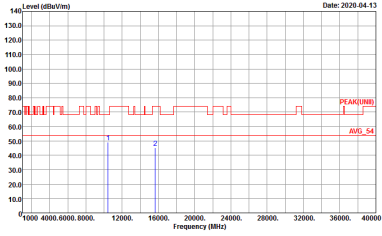
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

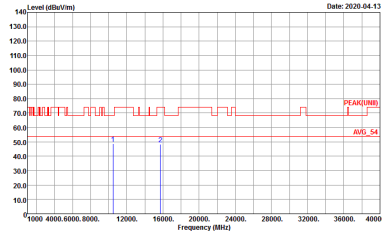
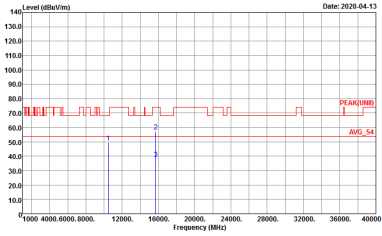
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



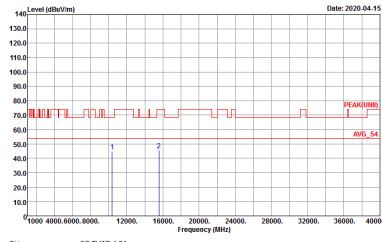
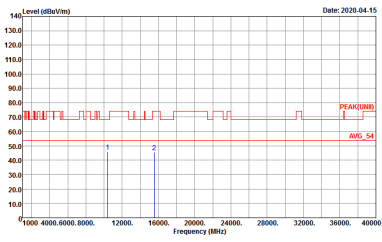
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

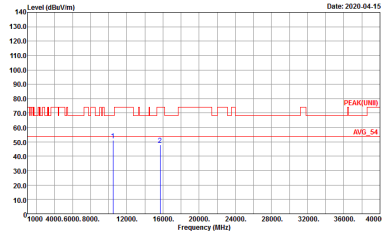
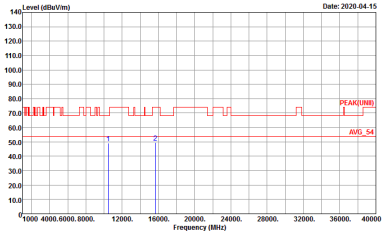
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK[UNIT] 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK[UNIT] 3m 91200_15_1620 VERTICAL

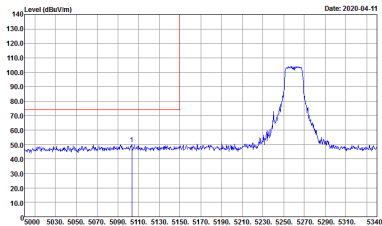
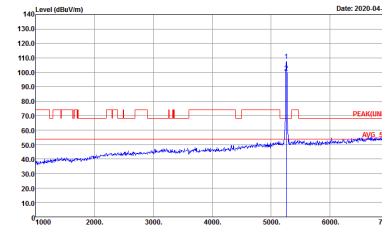
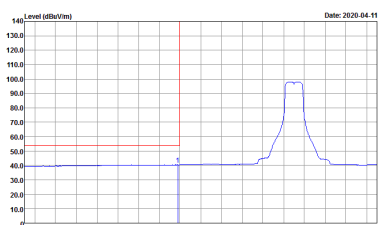
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HV Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HV Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

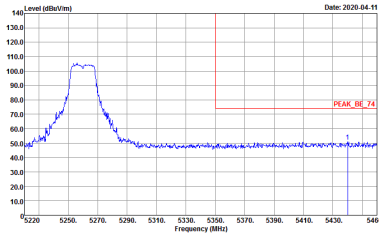
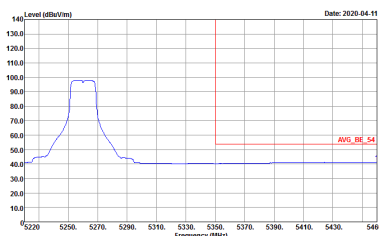
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

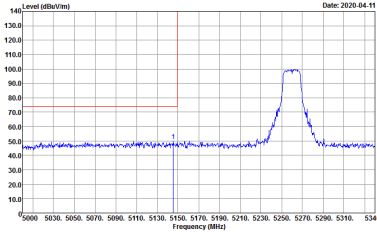
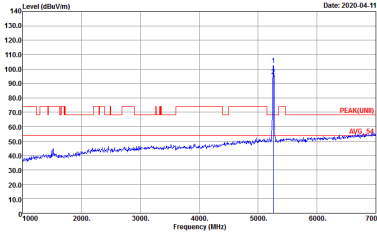
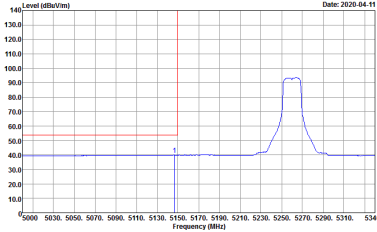
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

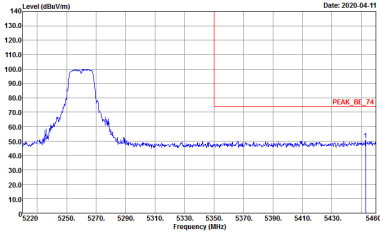
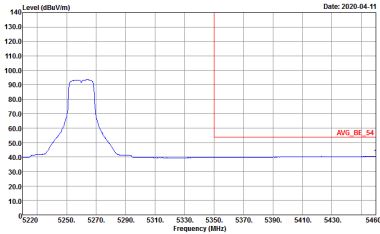
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

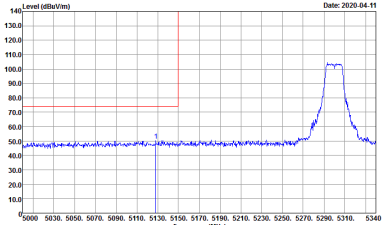
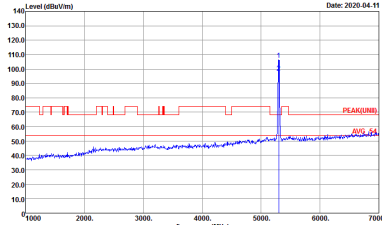
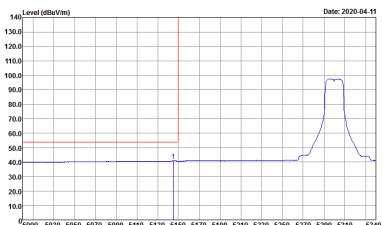
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

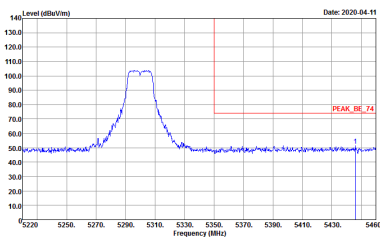
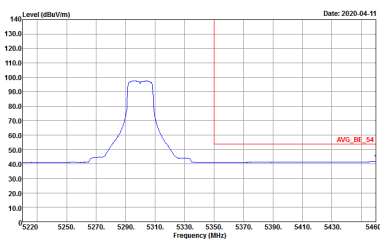
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Left blank

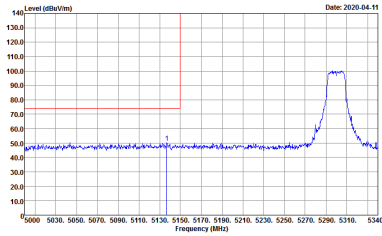
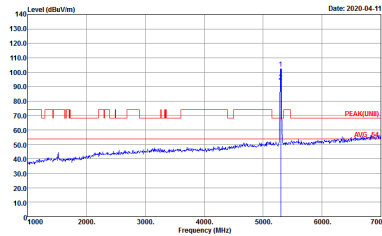
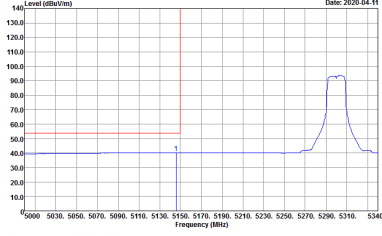
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

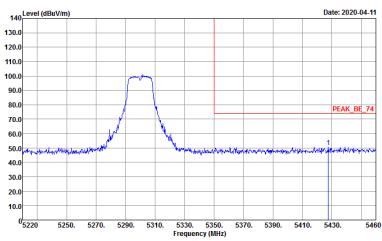
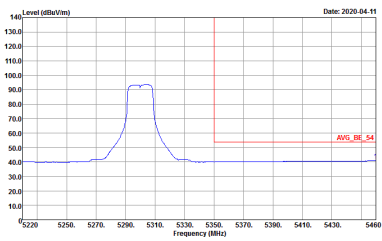
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

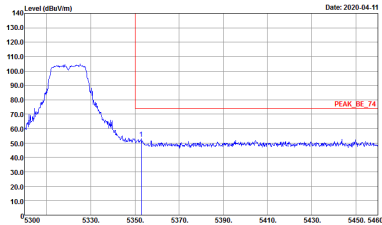
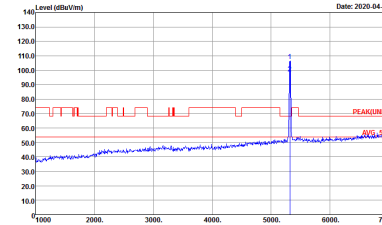
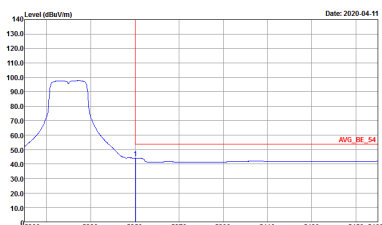
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

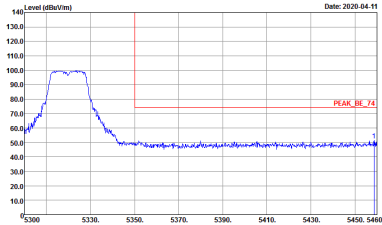
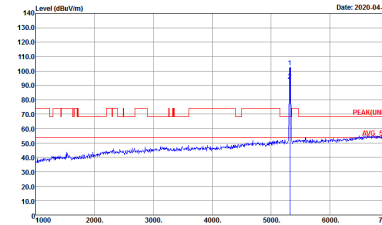
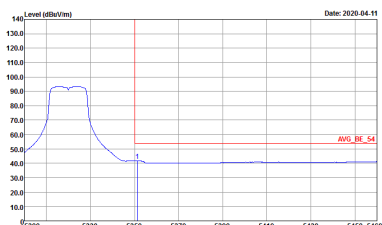
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

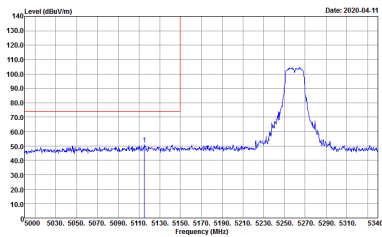
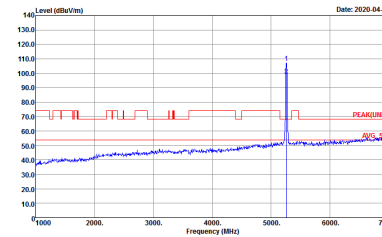
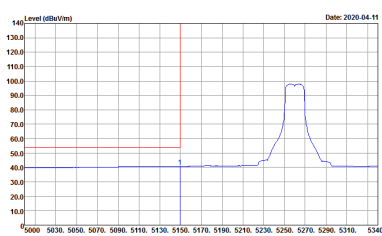


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

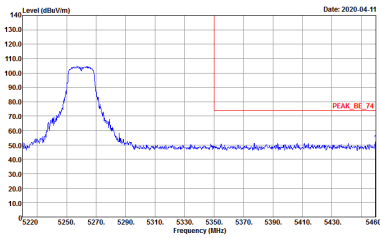
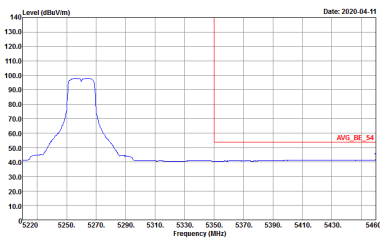
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

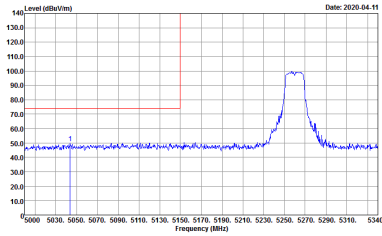
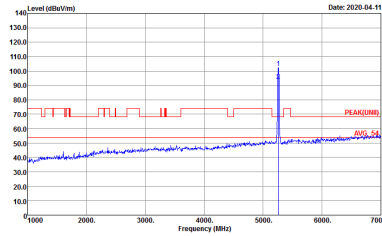
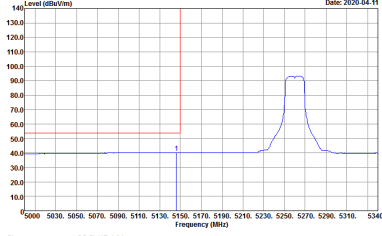
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

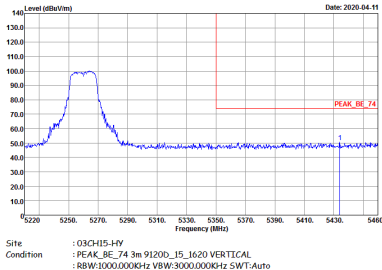
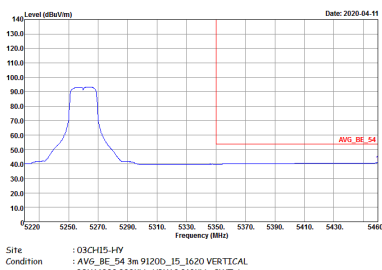
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

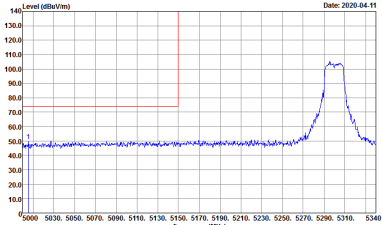
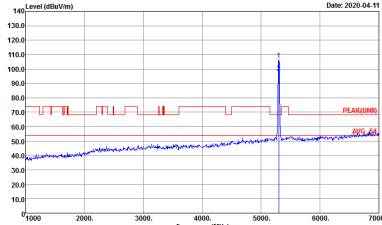
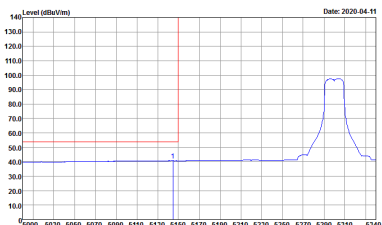
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	Left blank

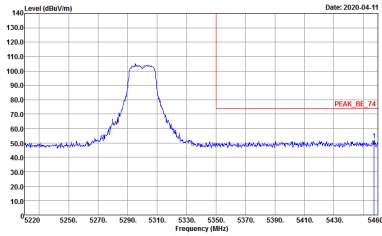
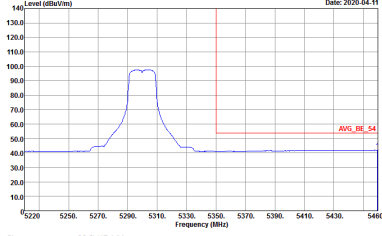


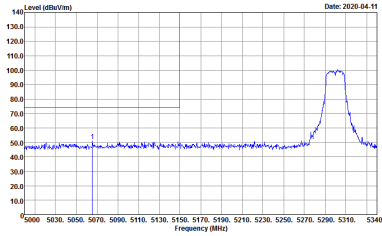
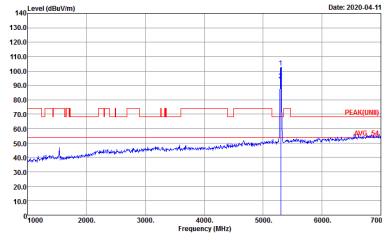
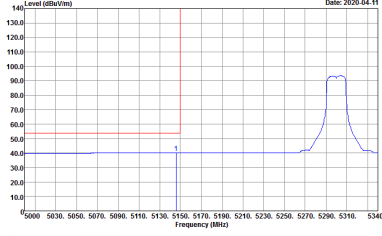
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH115-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH115-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

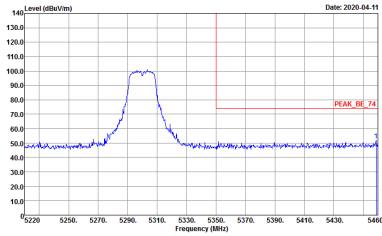
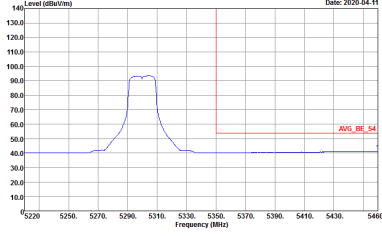
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

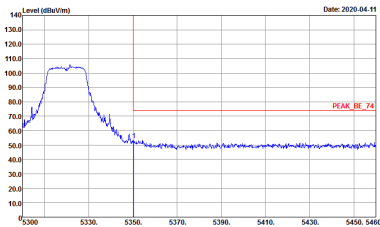
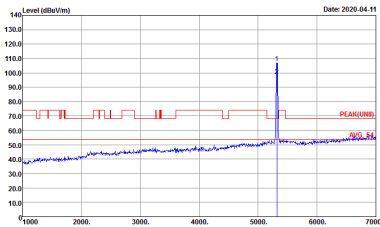
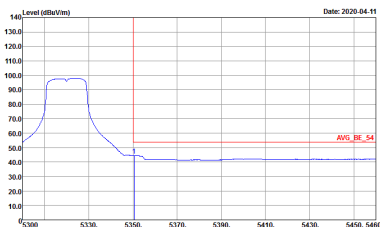
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

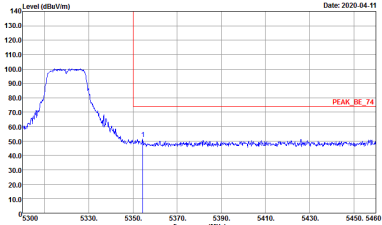
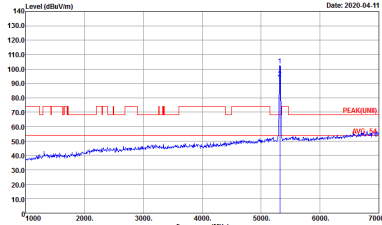
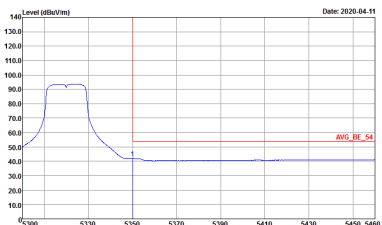
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

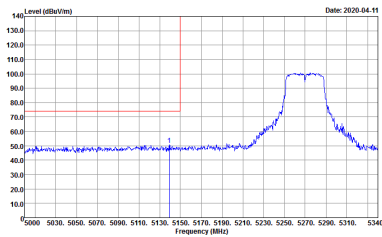
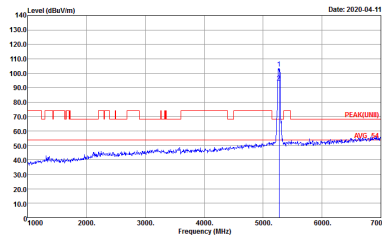
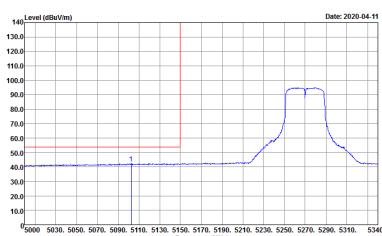
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

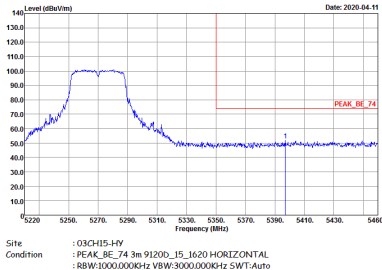
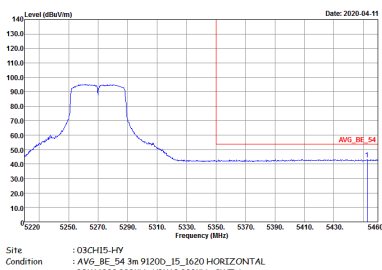
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

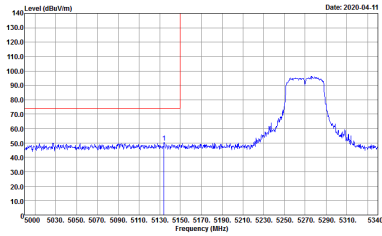
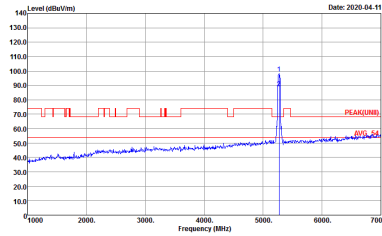
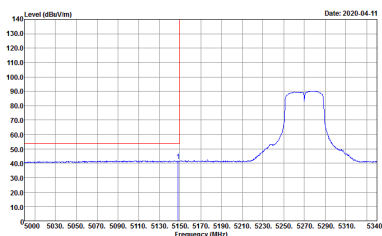
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

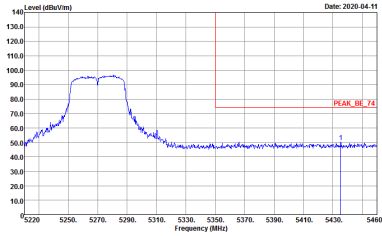
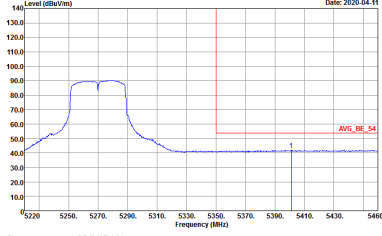
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNB) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

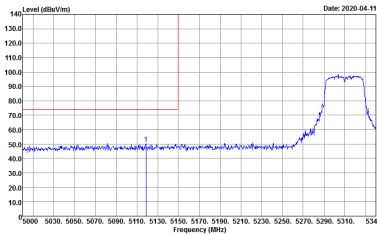
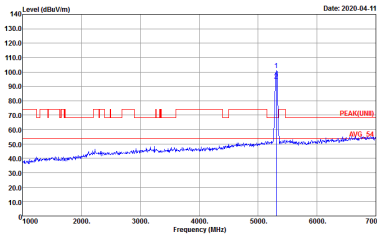
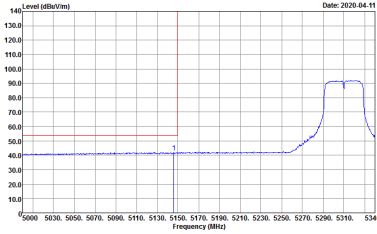
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

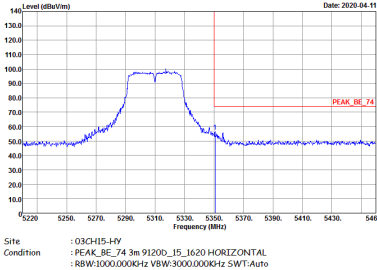
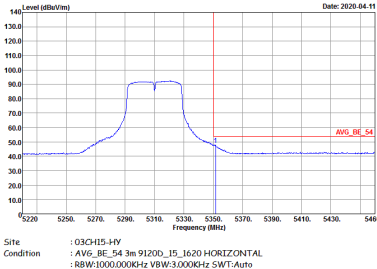
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

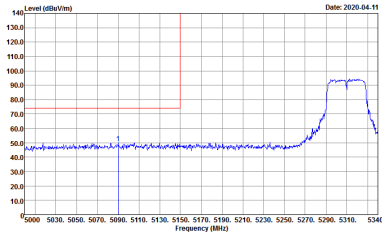
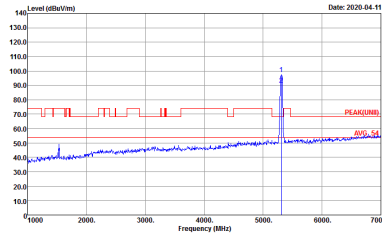
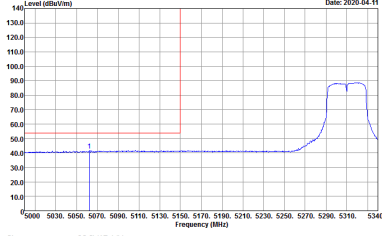
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

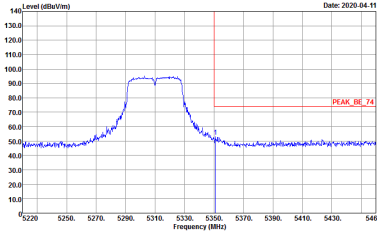
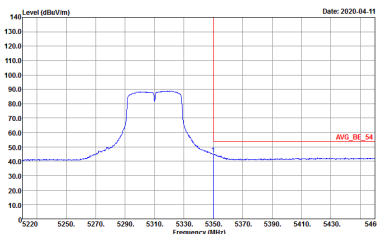
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

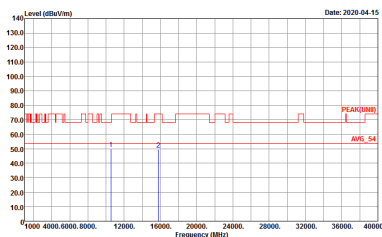
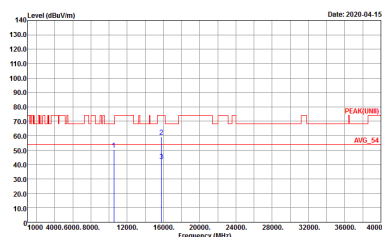
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HV Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

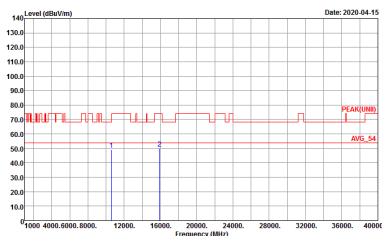
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

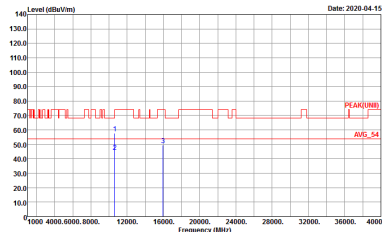
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

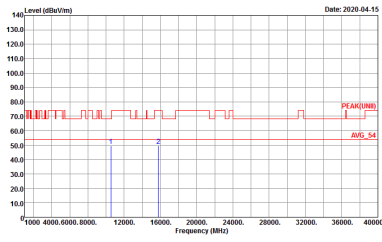
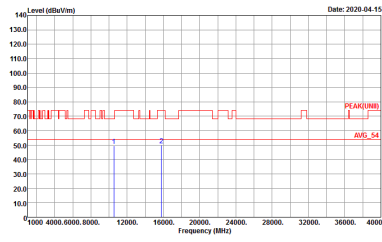
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

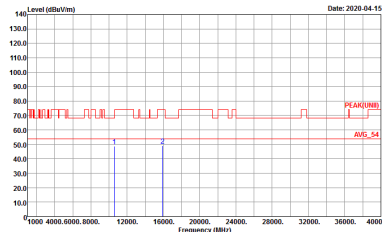
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK[UNII] 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK[UNII] 3m 91200_15_1620 VERTICAL

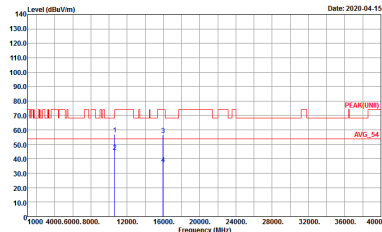
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

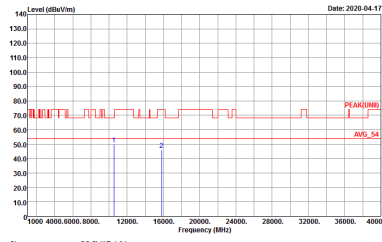
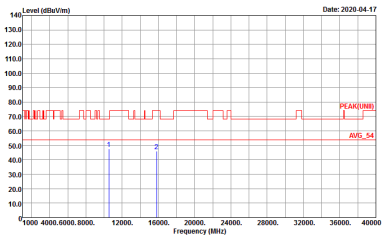
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

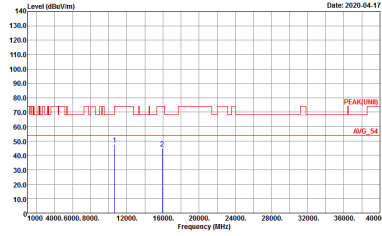
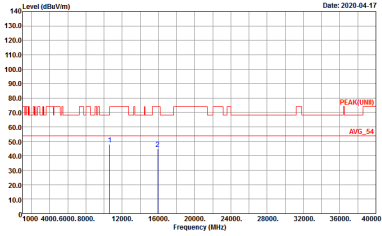
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

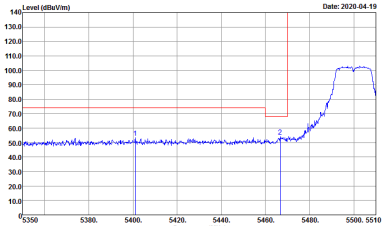
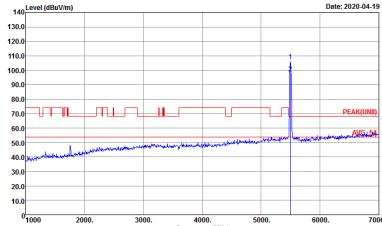
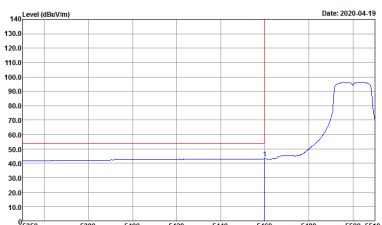
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

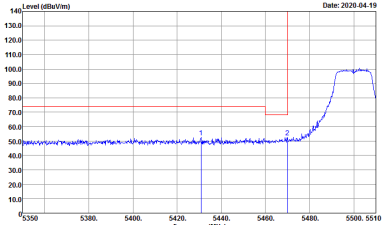
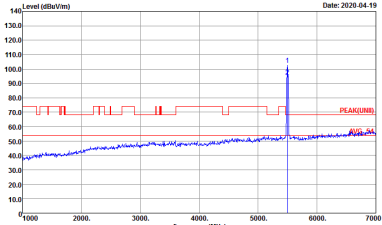
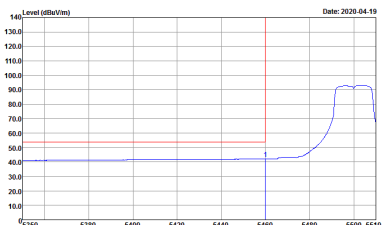
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

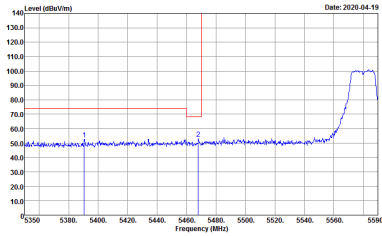
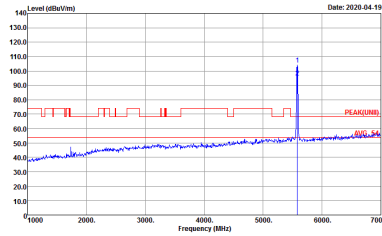
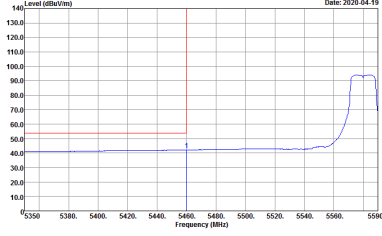
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

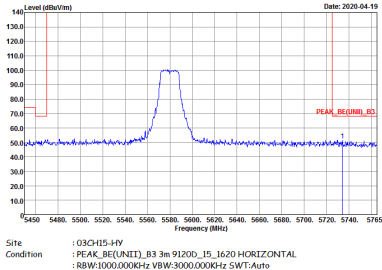
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

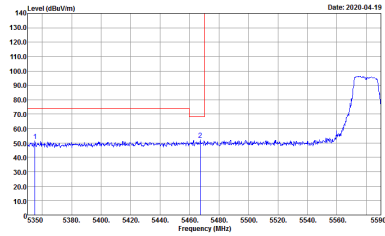
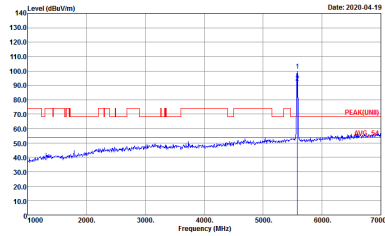
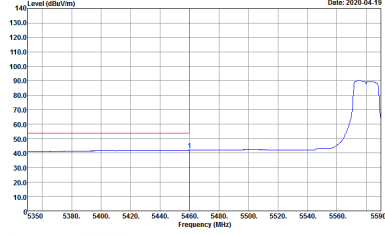
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site Condition : 03CH15-HY : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site Condition : 03CH15-HY : PEAK(UNIT1) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site Condition : 03CH15-HY : AVG_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

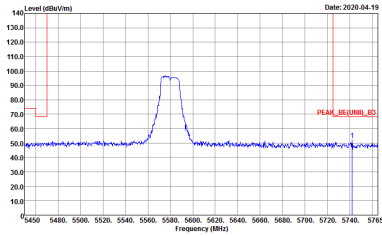
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

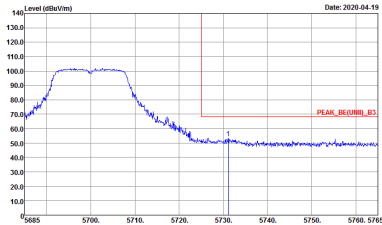
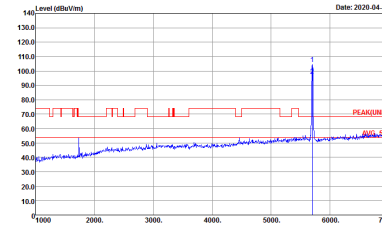
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

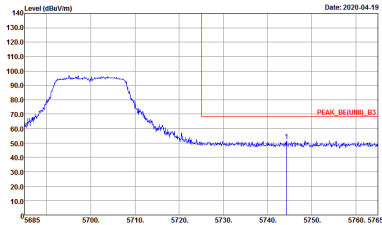
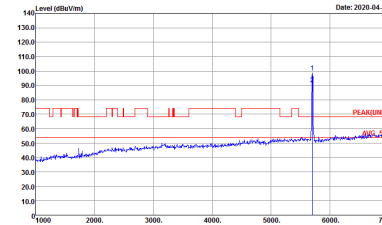
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

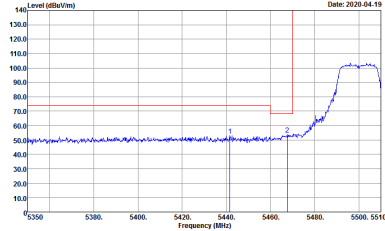
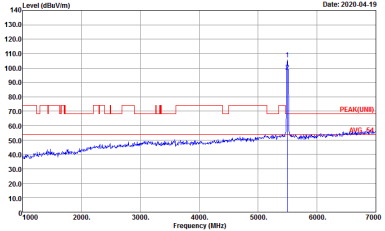
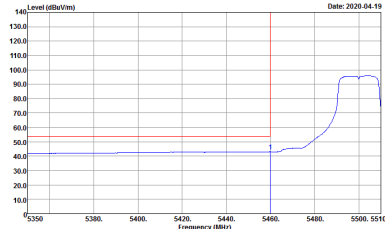


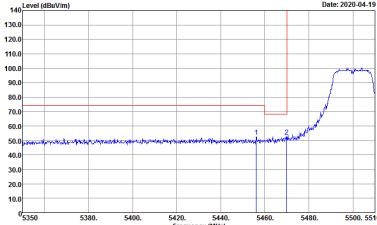
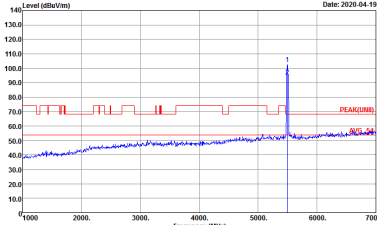
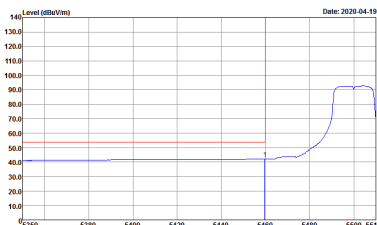
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020.04.19	Left blank

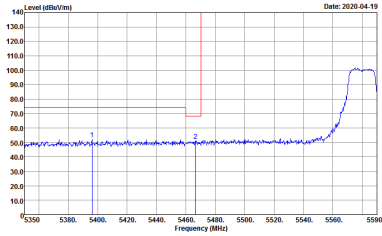
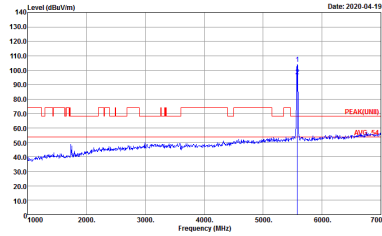
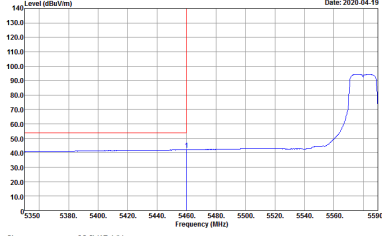
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL -RBW:1000.000KHz VSW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL -RBW:1000.000KHz VSW:3000.000KHz SWT:Auto

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL - RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL - RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

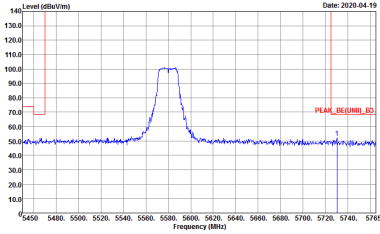
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

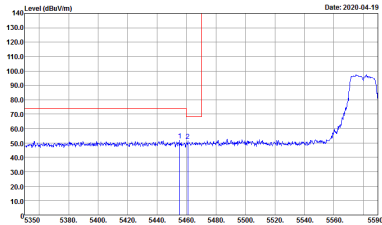
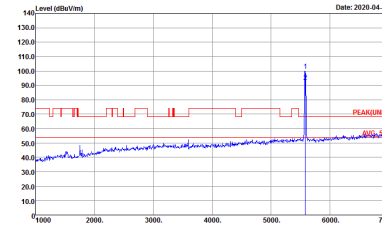
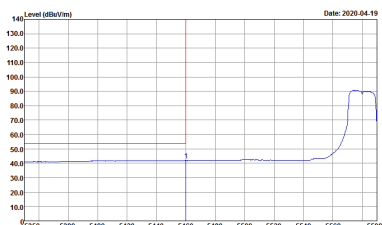
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

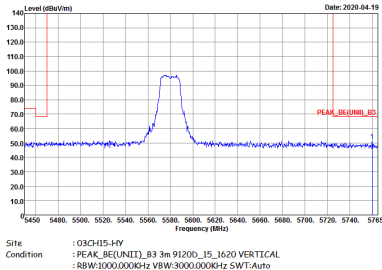
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

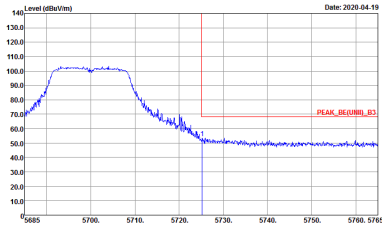
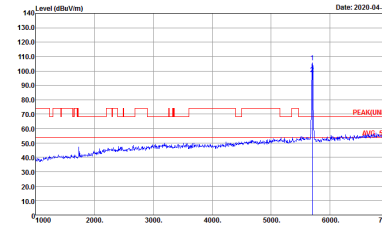
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

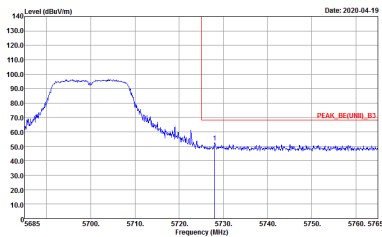
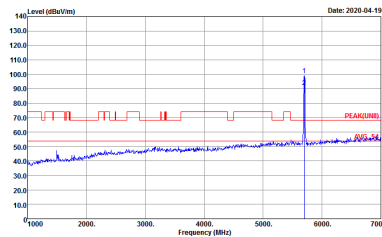


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020.04.19	Left blank

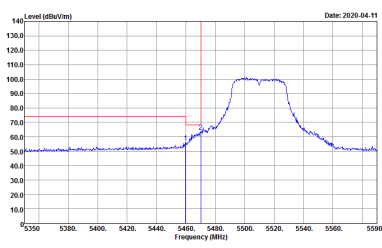
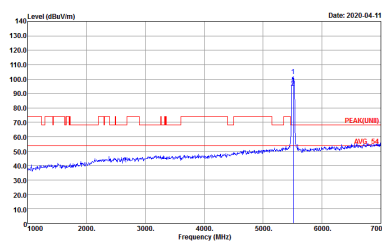
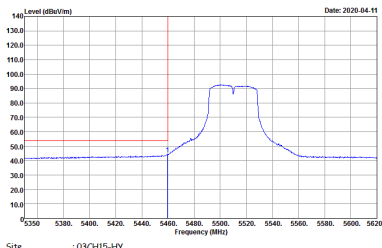
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

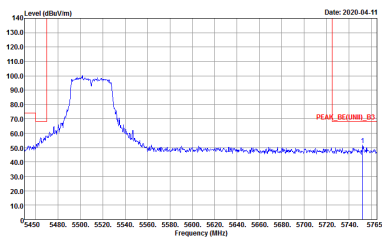
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

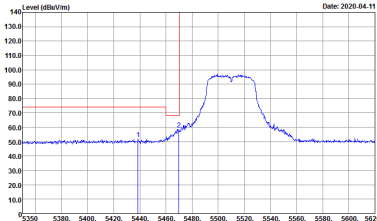
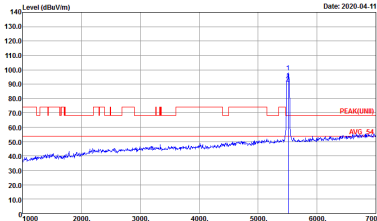
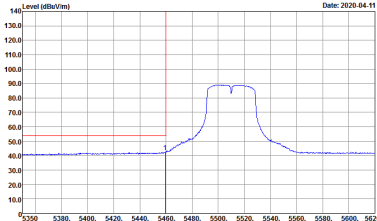
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL - RBW:1000.000KHz VSW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL - RBW:1000.000KHz VSW:3000.000KHz SWT:Auto

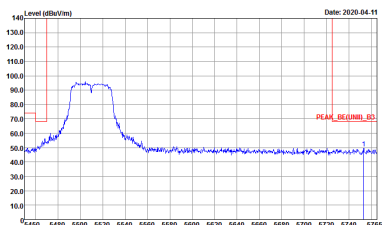
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

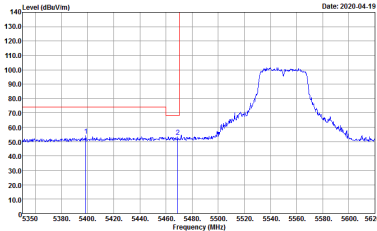
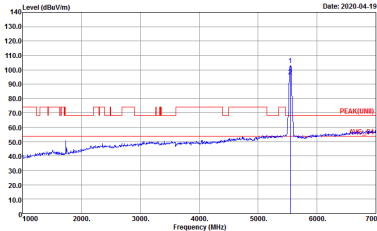
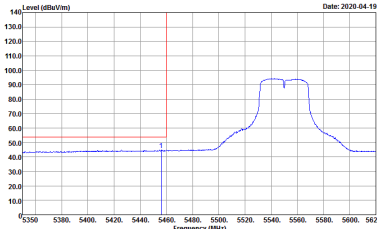
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

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

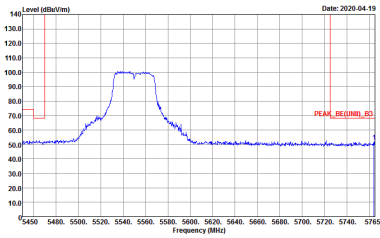
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

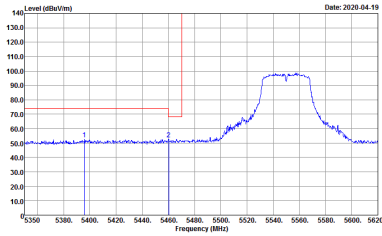
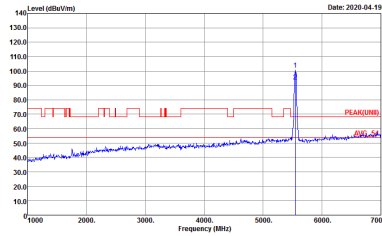
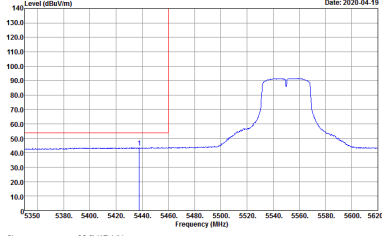
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site Condition : 03CH15-HY : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site Condition : 03CH15-HY : PEAK(UNIT1) 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site Condition : 03CH15-HY : AVG_BE(UNIT1)_B3 3m 91200_15_1620 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

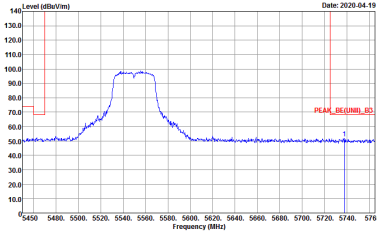
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

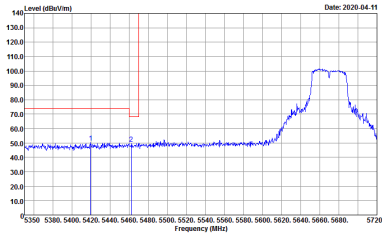
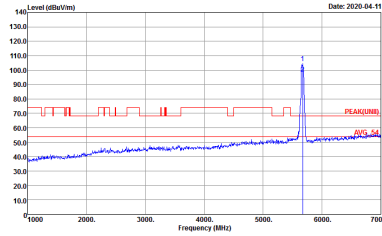
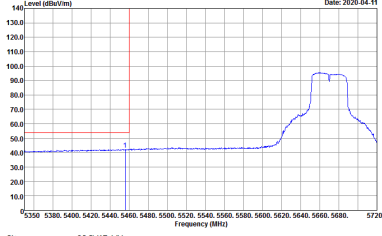


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-04-19	Left blank

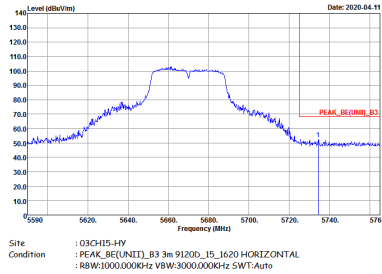
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

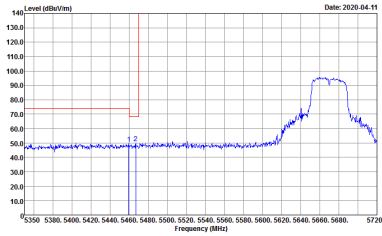
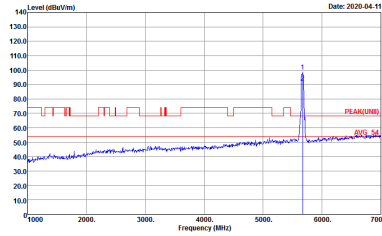
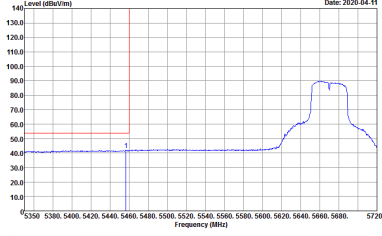


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020-04-19	Left blank

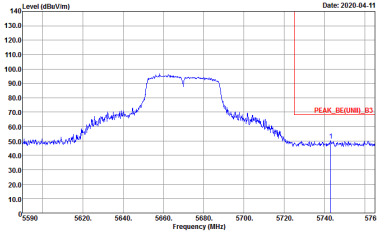
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank



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

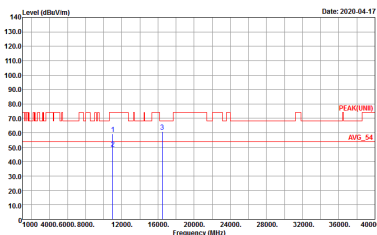
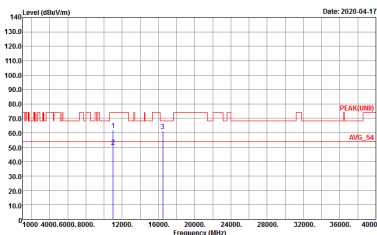
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2020.04.11	Left blank

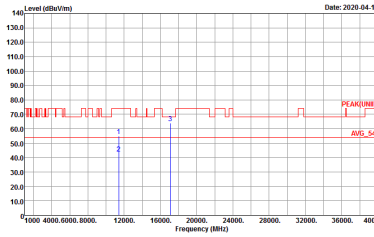
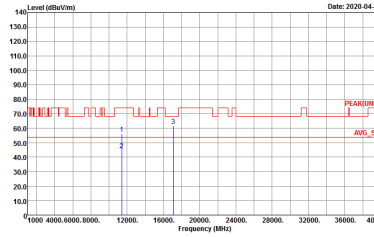


Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

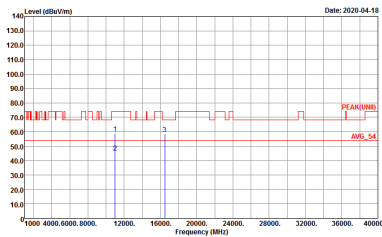
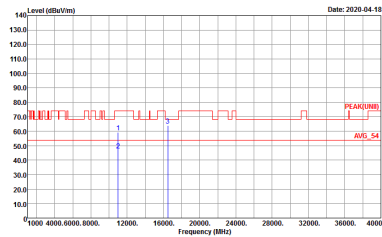
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak

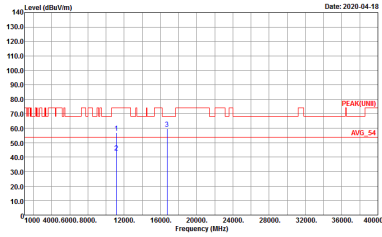
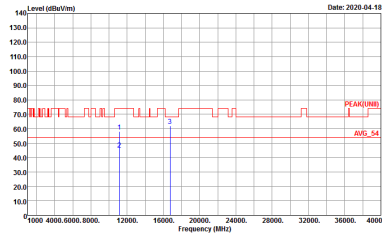


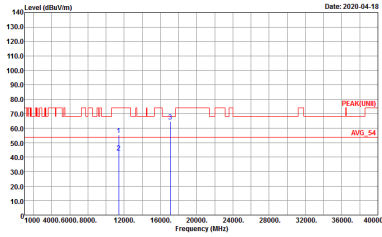
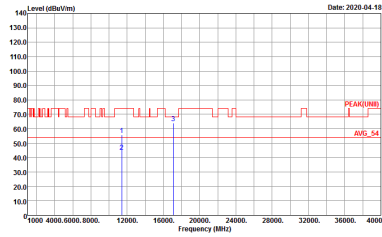
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak	Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

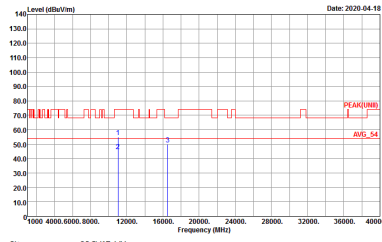
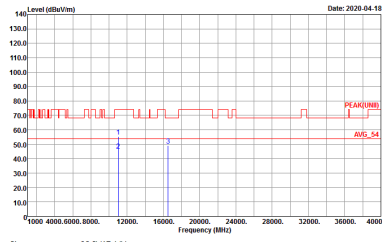
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL

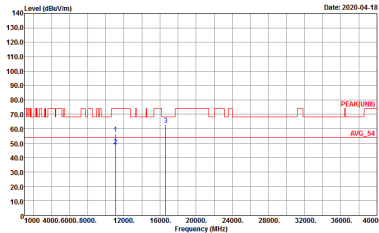
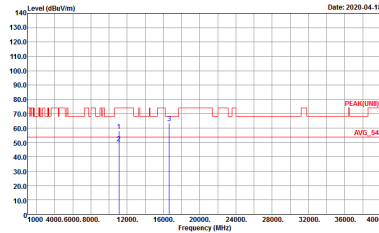
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

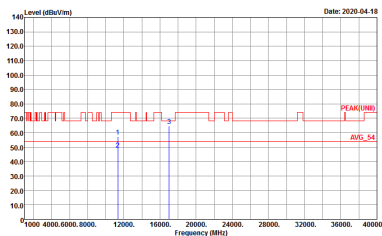
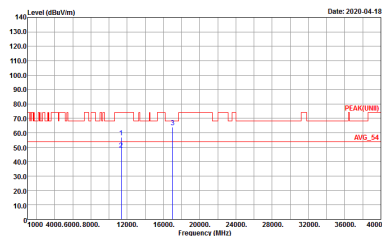
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL

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

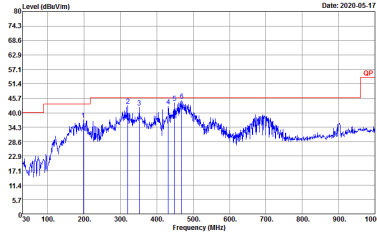
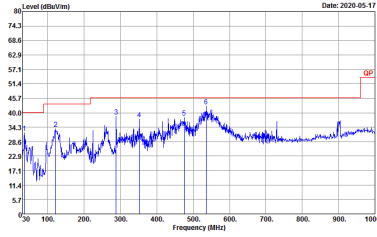
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-4Y Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-4Y Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL



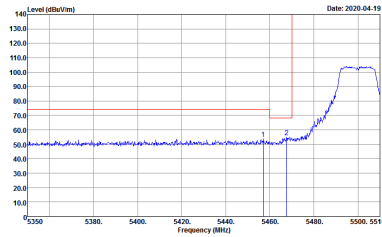
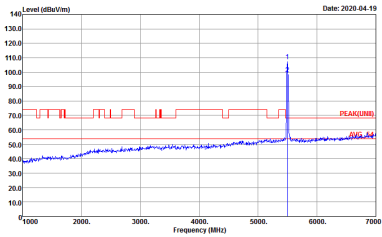
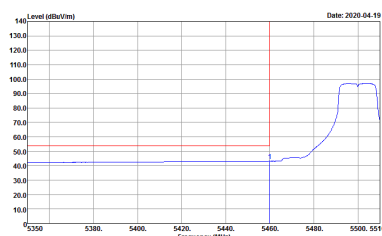
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UNB) 3m 91200_15_1620 HORIZONTAL	 Site : 03CHI5-HY Condition : PEAK(UNB) 3m 91200_15_1620 VERTICAL

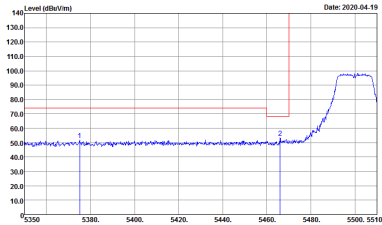
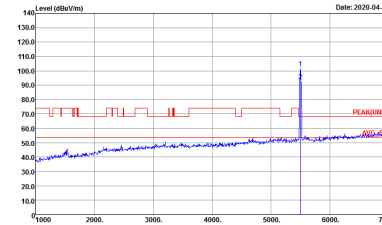
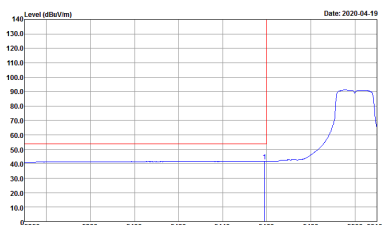
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL

Emission below 1GHz
5GHz WIFI 802.11a (LF)

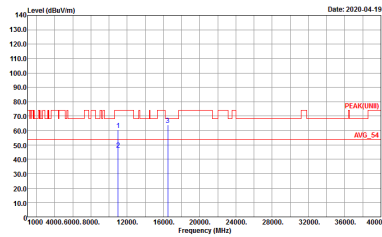
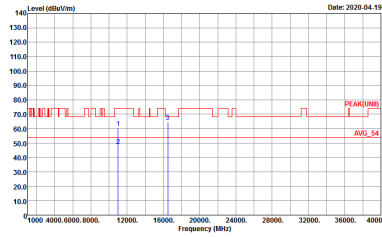
WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH15-4V Condition : QP 3m B1LOG_15_41912 HORIZONTAL	 Site : 03CH15-4V Condition : QP 3m B1LOG_15_41912 VERTICAL

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT1) 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL

Annex. A Receiver Radiated Emission Measurement

A.1 Limit of Receiver Radiated Emission

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

A.2 Measuring Instruments

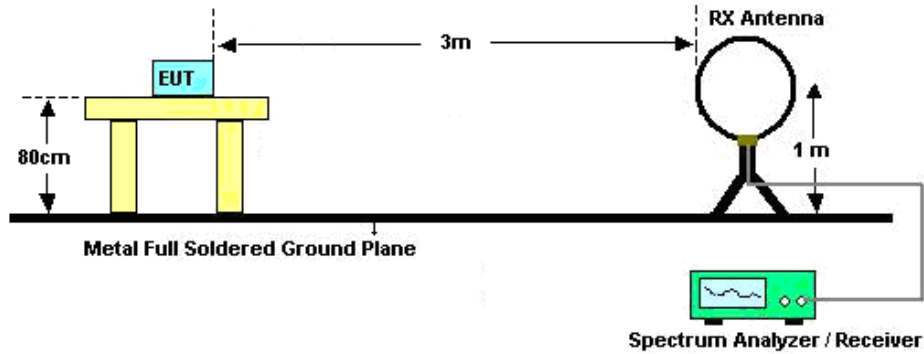
See list of measuring equipment of this test report.

A.3 Test Procedures

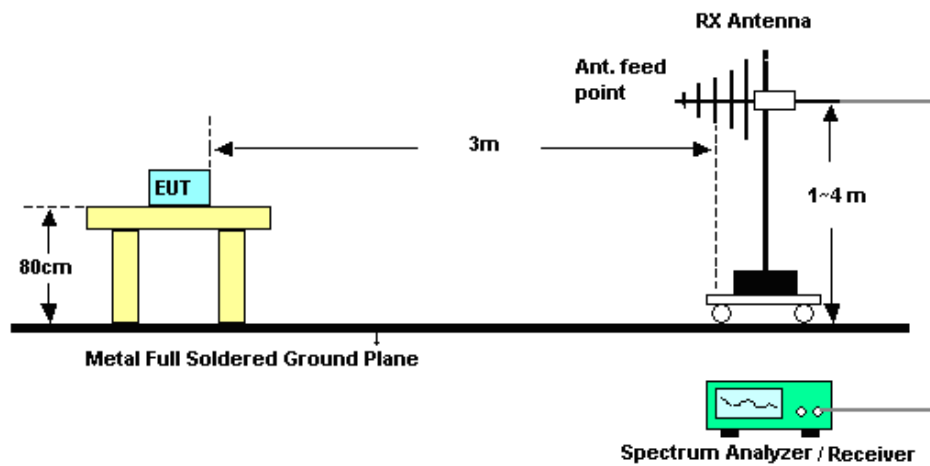
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its height is adjusted between one to 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 tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dBμV/m) = 20 log Emission level (μV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

A.4 Test Setup

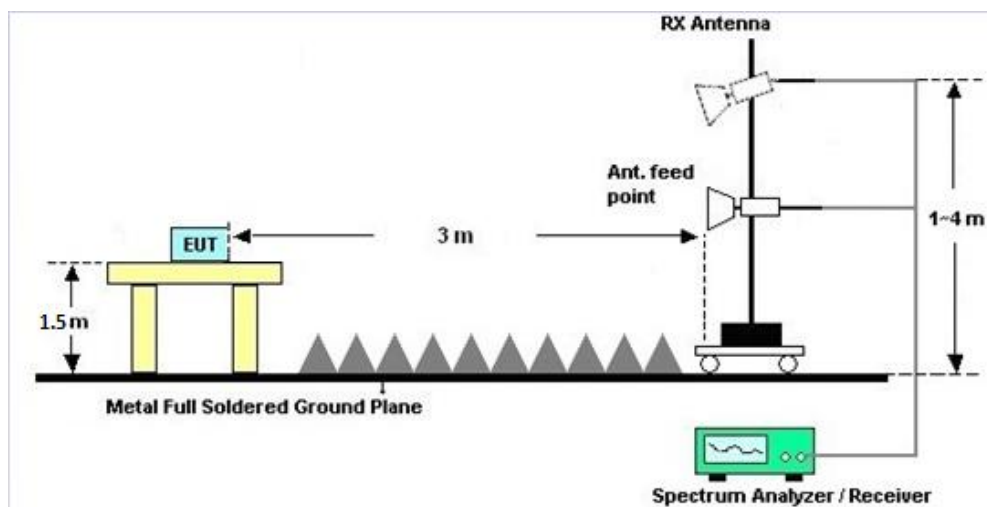
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

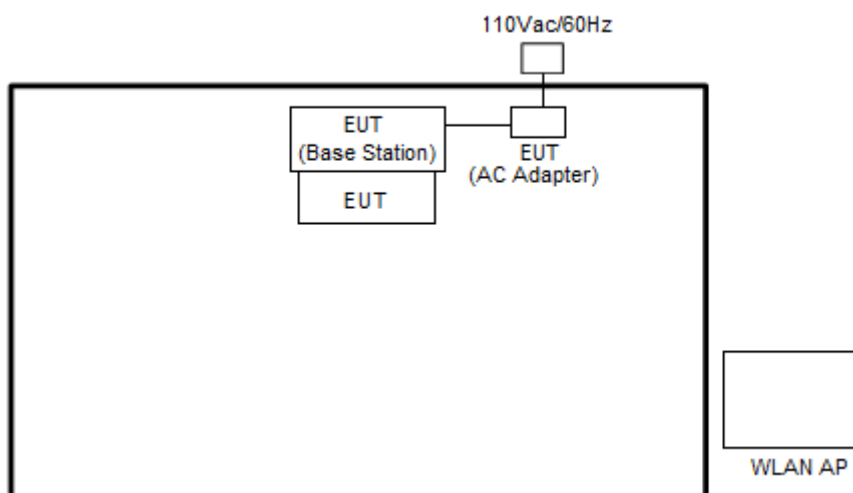


A.5 Test Result of Receiver Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per NCC LP0002 section 5.13 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.

A.6 Connection Diagram of Test System



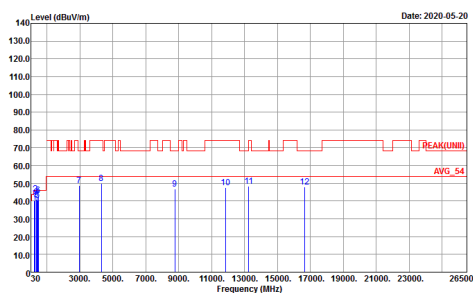
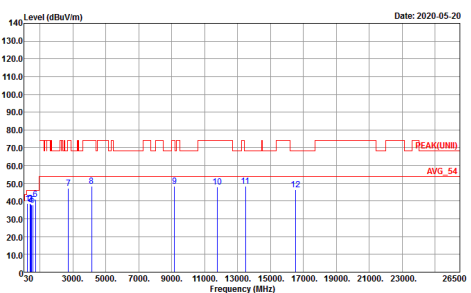
A.7 Support Unit used in test configuration and system

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

Remark: Applicant has ensured accessory would not be attached with the product on the market, accessory is provided by lab for testing.

A.8 Test Result of Receiver Radiated Spurious Emission (30MHz ~ 5th Harmonic)

Test Engineer :	Leo Lee, Mancy Chou and Bigshow Wang	Temperature :	24.3~24.9°C
		Relative Humidity :	55~60%
Frequency	288.020 MHz	Margin	Under 1.92 dB
Test Mode	WLAN (5GHz) Idle		

	Idle Mode																																																																																																																																																																				
	Horizontal																																																																																																																																																																				
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 012109 <table><tr><th></th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>250.19</td><td>40.31</td><td>-5.69</td><td>46.00</td><td>52.30</td><td>18.21</td><td>2.04</td><td>32.41</td><td>---</td><td>--- Peak</td></tr><tr><td>2</td><td>288.02</td><td>44.08</td><td>-1.92</td><td>46.00</td><td>55.43</td><td>18.82</td><td>2.18</td><td>32.49</td><td>100</td><td>0 Peak</td></tr><tr><td>3</td><td>352.04</td><td>41.08</td><td>-4.92</td><td>46.00</td><td>50.77</td><td>20.21</td><td>2.43</td><td>32.43</td><td>---</td><td>--- Peak</td></tr><tr><td>4</td><td>416.06</td><td>42.67</td><td>-3.33</td><td>46.00</td><td>49.73</td><td>22.46</td><td>2.68</td><td>32.28</td><td>---</td><td>--- Peak</td></tr><tr><td>5</td><td>431.58</td><td>40.47</td><td>-5.53</td><td>46.00</td><td>47.40</td><td>22.68</td><td>2.72</td><td>32.42</td><td>---</td><td>--- Peak</td></tr><tr><td>6</td><td>480.08</td><td>43.30</td><td>-2.70</td><td>46.00</td><td>49.36</td><td>23.44</td><td>2.88</td><td>32.49</td><td>---</td><td>--- Peak</td></tr><tr><td>7</td><td>2968.00</td><td>48.90</td><td>-19.30</td><td>68.20</td><td>42.93</td><td>28.50</td><td>8.46</td><td>30.99</td><td>100</td><td>0 Peak</td></tr><tr><td>8</td><td>4312.00</td><td>49.88</td><td>-24.12</td><td>74.00</td><td>40.35</td><td>30.32</td><td>9.75</td><td>30.54</td><td>---</td><td>--- Peak</td></tr><tr><td>9</td><td>8782.00</td><td>46.71</td><td>-21.49</td><td>68.20</td><td>54.01</td><td>37.66</td><td>12.85</td><td>58.34</td><td>---</td><td>--- Peak</td></tr><tr><td>10</td><td>11840.00</td><td>47.69</td><td>-26.31</td><td>74.00</td><td>54.85</td><td>38.96</td><td>14.66</td><td>61.31</td><td>---</td><td>--- Peak</td></tr><tr><td>11</td><td>13259.00</td><td>48.46</td><td>-25.54</td><td>74.00</td><td>55.07</td><td>39.38</td><td>15.23</td><td>61.91</td><td>---</td><td>--- Peak</td></tr><tr><td>12</td><td>16658.00</td><td>47.96</td><td>-20.24</td><td>68.20</td><td>49.82</td><td>39.36</td><td>17.59</td><td>59.31</td><td>---</td><td>--- Peak</td></tr></table>												Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	1	250.19	40.31	-5.69	46.00	52.30	18.21	2.04	32.41	---	--- Peak	2	288.02	44.08	-1.92	46.00	55.43	18.82	2.18	32.49	100	0 Peak	3	352.04	41.08	-4.92	46.00	50.77	20.21	2.43	32.43	---	--- Peak	4	416.06	42.67	-3.33	46.00	49.73	22.46	2.68	32.28	---	--- Peak	5	431.58	40.47	-5.53	46.00	47.40	22.68	2.72	32.42	---	--- Peak	6	480.08	43.30	-2.70	46.00	49.36	23.44	2.88	32.49	---	--- Peak	7	2968.00	48.90	-19.30	68.20	42.93	28.50	8.46	30.99	100	0 Peak	8	4312.00	49.88	-24.12	74.00	40.35	30.32	9.75	30.54	---	--- Peak	9	8782.00	46.71	-21.49	68.20	54.01	37.66	12.85	58.34	---	--- Peak	10	11840.00	47.69	-26.31	74.00	54.85	38.96	14.66	61.31	---	--- Peak	11	13259.00	48.46	-25.54	74.00	55.07	39.38	15.23	61.91	---	--- Peak	12	16658.00	47.96	-20.24	68.20	49.82	39.36	17.59	59.31	---	--- Peak
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Annex. B Maximum Power Density

B.1 RF Exposure Limit Introduction

According to NCC LP0002, the criteria listed in Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §5.20.2.1 and §5.20.2.2.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna

B.2 Standalone Power Density Calculation

Please refer to Appendix A.

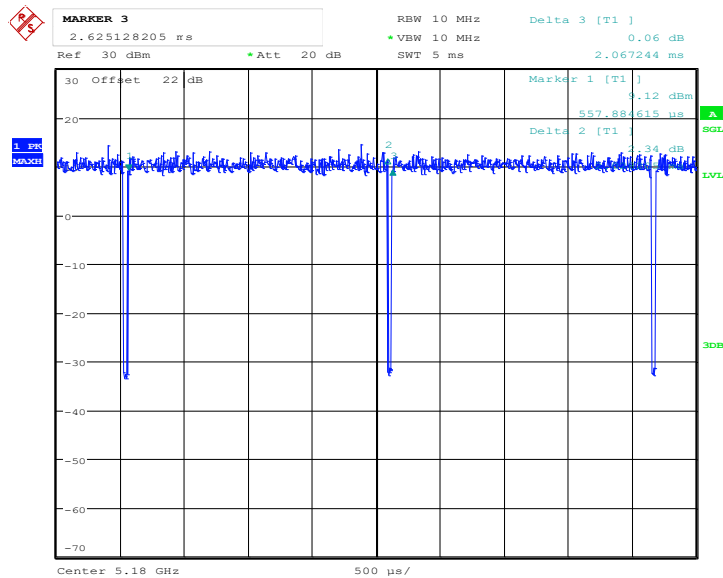


Appendix D. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11a	98.11	-	-	10Hz	0.08
2	802.11a	98.64	-	-	10Hz	0.06
1	5GHz 802.11n HT20	98.39	-	-	10Hz	0.07
2	5GHz 802.11n HT20	98.65	-	-	10Hz	0.06
1	5GHz 802.11n HT40	96.47	931	1.07	3kHz	0.16
2	5GHz 802.11n HT40	96.49	936	1.07	3kHz	0.16

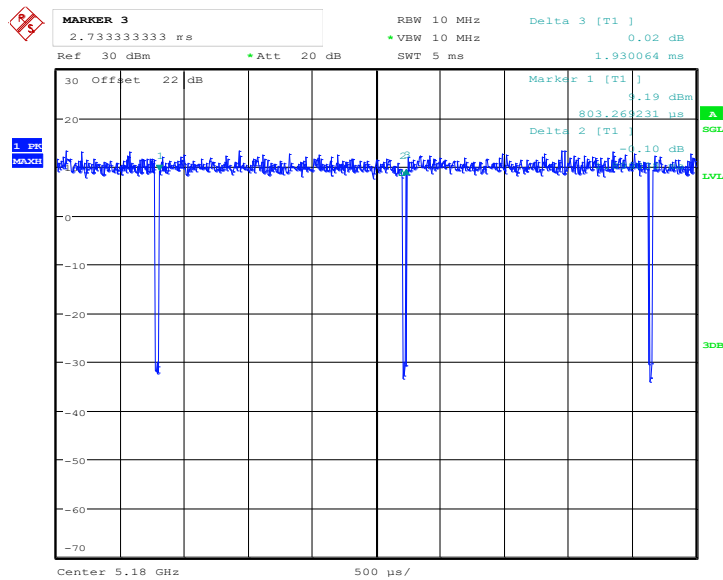
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802.11a



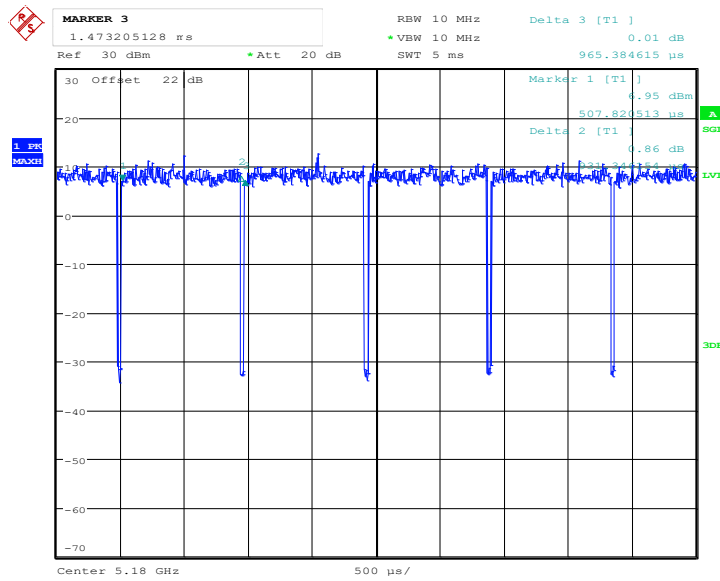
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802.11n HT20



Date: 7.APR.2020 17:19:21

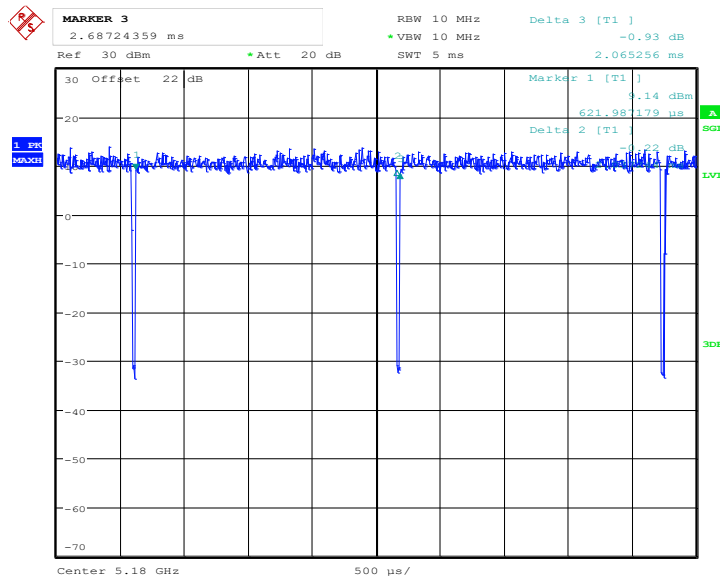
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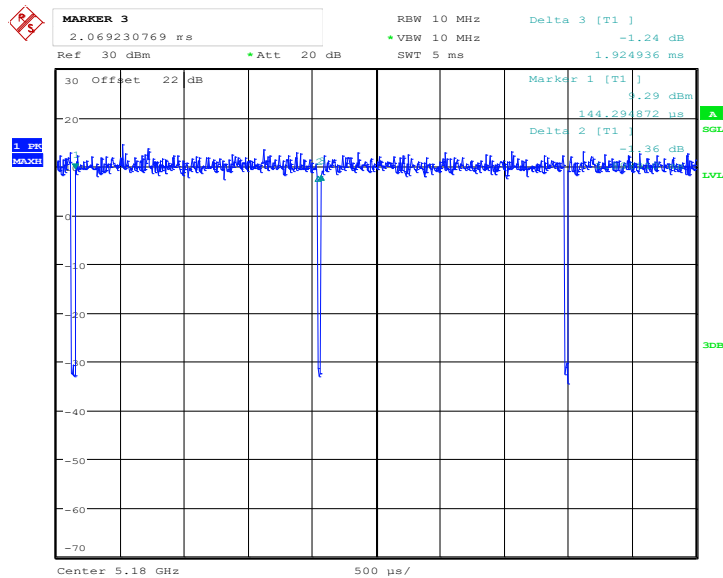
<Ant. 2>

802.11a



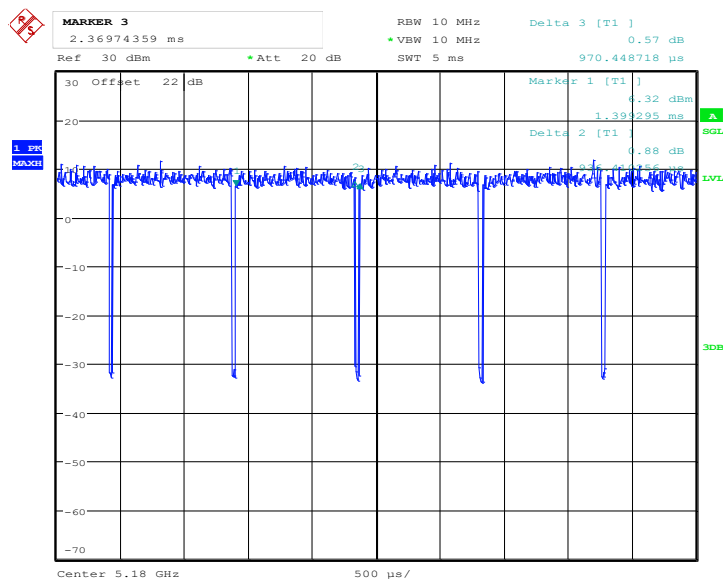
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802.11n HT20



Date: 7.APR.2020 17:22:47

802.11n HT40



Date: 7.APR.2020 17:27:49