FCC RADIO TEST REPORT

FCC ID	:	**2AP7R-6245**
Equipment	:	**Tablet**
Model Name	:	**M2V3R5**
Applicant	:	**No Dark Matter LLC** **1350 Scenic Hwy, Ste. 266 Snellville, GA 30078**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on May 03, 2019 and testing was started from May 07, 2019 and completed on Jun. 24, 2019. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this 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.

Jones Tsai

Approved by: Jones Tsai

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR8N2215-02E	01	Initial issue of report	Jul. 04, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)
3.1	15.403 (i)	6dB & 26dB Bandwidth	Pass
3.1	2.1049	99% Occupied Bandwidth	Reporting only
3.2	15.407 (a)	Maximum Conducted Output Power	Pass
3.3	15.407 (a)	Power Spectral Density	Pass
3.4	15.407(b)	Unwanted Emissions	Pass
3.5	15.207	AC Conducted Emission	Pass
3.6	15.407 (c)	Automatically Discontinue Transmission	Pass
3.7	15.203 & 15.407 (a)	Antenna Requirement	Pass

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Aileen Huang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Tablet
Model Name	M2V3R5
FCC ID	2AP7R-6245
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power to Antenna	**<Ant. 1>** 802.11a : 13.80 dBm / 0.0240 W 802.11n HT20 : 13.90 dBm / 0.0245 W 802.11n HT40 : 13.90 dBm / 0.0245 W 802.11ac VHT20: 13.80 dBm / 0.0240 W 802.11ac VHT40: 12.80 dBm / 0.0191 W 802.11ac VHT80: 12.90 dBm / 0.0195 W **<Ant. 2>** 802.11a : 13.50 dBm / 0.0224 W 802.11n HT20 : 13.60 dBm / 0.0229 W 802.11n HT40 : 13.60 dBm / 0.0229 W 802.11ac VHT20: 13.50 dBm / 0.0224 W 802.11ac VHT40: 12.50 dBm / 0.0178 W 802.11ac VHT80: 12.90 dBm / 0.0195 W
99% Occupied Bandwidth	**<Ant. 1>** 802.11a : 16.70 MHz 802.11n HT20 : 17.70 MHz 802.11n HT40 : 36.40 MHz 802.11ac VHT80 : 76.80 MHz **<Ant. 2>** 802.11a : 16.80 MHz 802.11n HT20 : 17.65 MHz 802.11n HT40 : 36.40 MHz 802.11ac VHT80 : 76.68 MHz
Antenna Gain / Gain	<Ant. 1>: Fixed Internal Antenna with gain 1.40 dBi <Ant. 2>: Fixed Internal Antenna with gain 1.40 dBi
Type of Modulation	802.11a/n : OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)
Antenna Function Description	<table><tr><td></td><td>Ant. 1</td><td>Ant. 2</td></tr><tr><td>802.11 a/n/ac</td><td>V</td><td>V</td></tr></table>

1.3 Modification of EUT

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

1.4 Testing Location

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory			
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978			
Test Site No.	**Sporton Site No.**			
	TH05-HY	CO05-HY	DFS02-HY	03CH07-HY

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

FCC designation No.: TW1190

1.5 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Note:

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

2.2 Test Mode

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

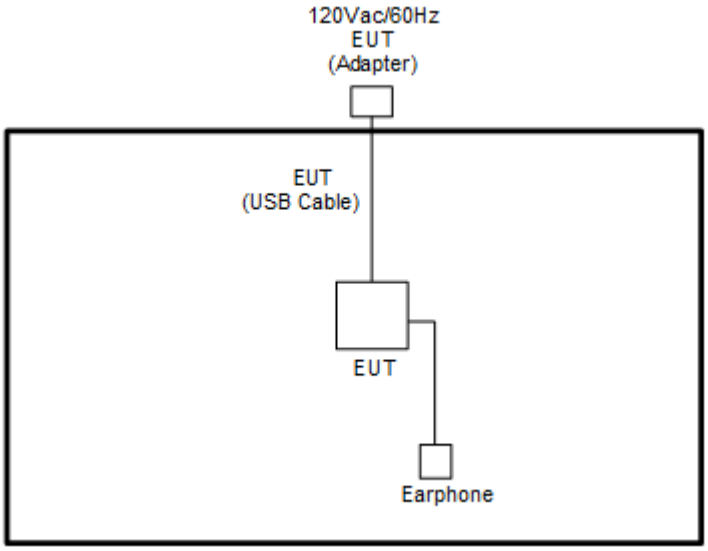
Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 :WLAN (5GHz) Link + Bluetooth Link + Camera (Rear) + MicroSD Card + Earphone + USB Cable (Charging from Adapter 1)
Remark: For Radiated Test Cases, the tests were performed with Adapter 1	

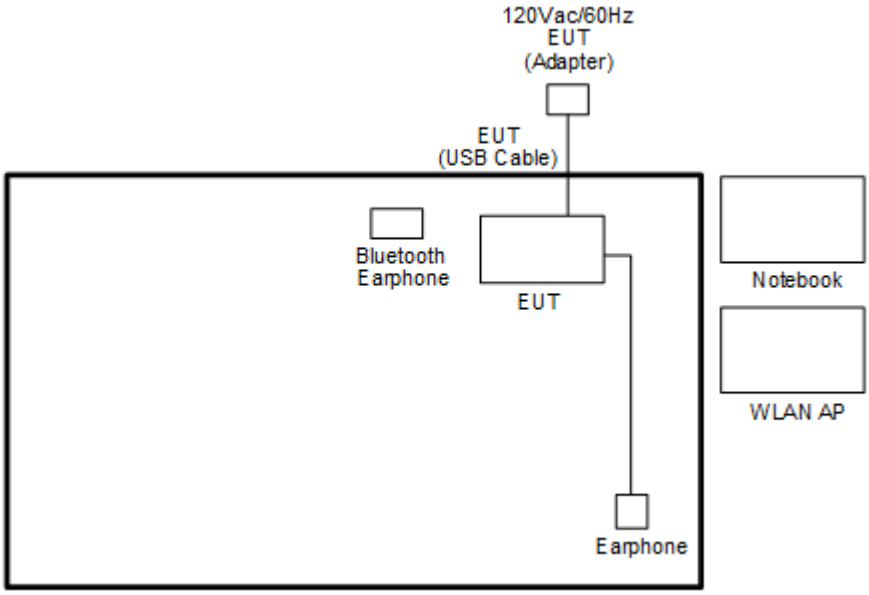
Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC1750	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude E3340	FCC DoC/ Contains FCC ID: PD97260NGU	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
4.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
6.	Earphone	N/A	N/A	Verification	Unshielded, 1.15 m	N/A

2.5 EUT Operation Test Setup

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

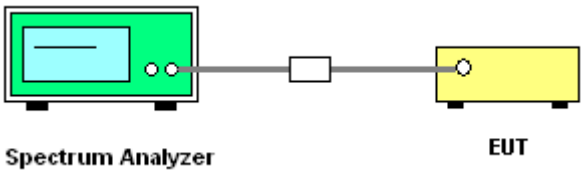
3.1.2 Measuring Instruments

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 for the band 5.725-5.85GHz
2. Set RBW = 100kHz.
3. Set the VBW ≥ 3 x RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

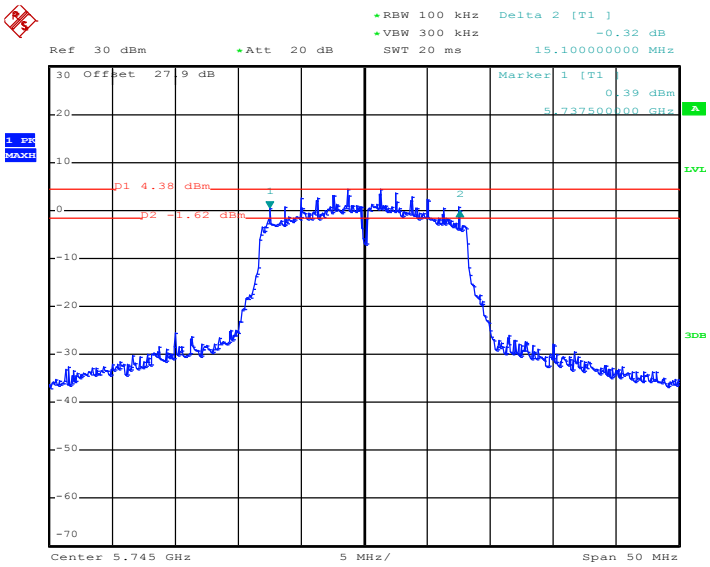
3.1.4 Test Setup



3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

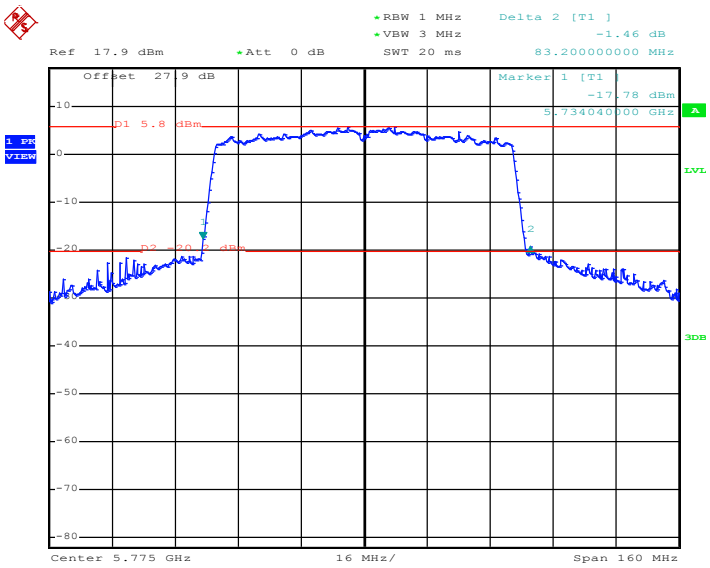
Please refer to Appendix A.

Minimum 6dB Bandwidth



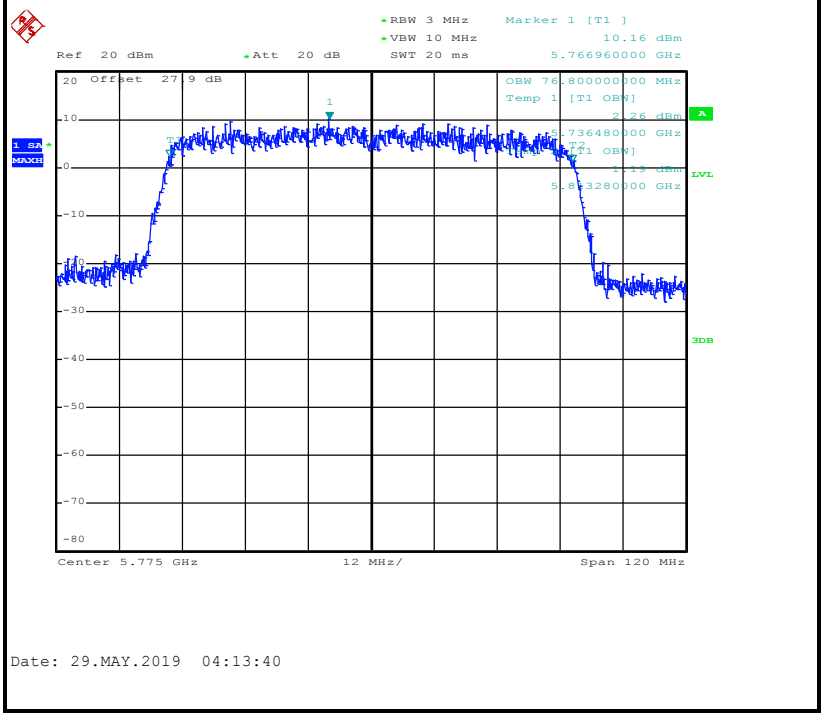
Date: 29.MAY.2019 03:28:48

Maximum 26dB Bandwidth



Date: 29.MAY.2019 05:00:22

Maximum 99% Occupied Bandwidth



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

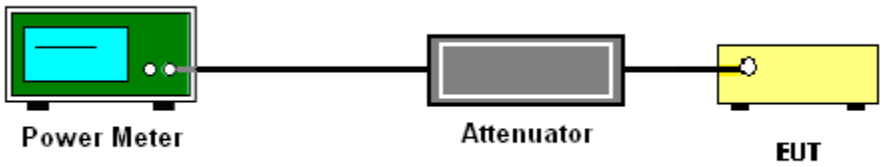
3.2.3 Test Procedures

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

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

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

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz 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.

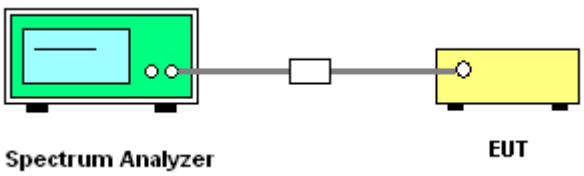
 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW ≥ 1 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(500kHz/RBW) to the test result.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

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

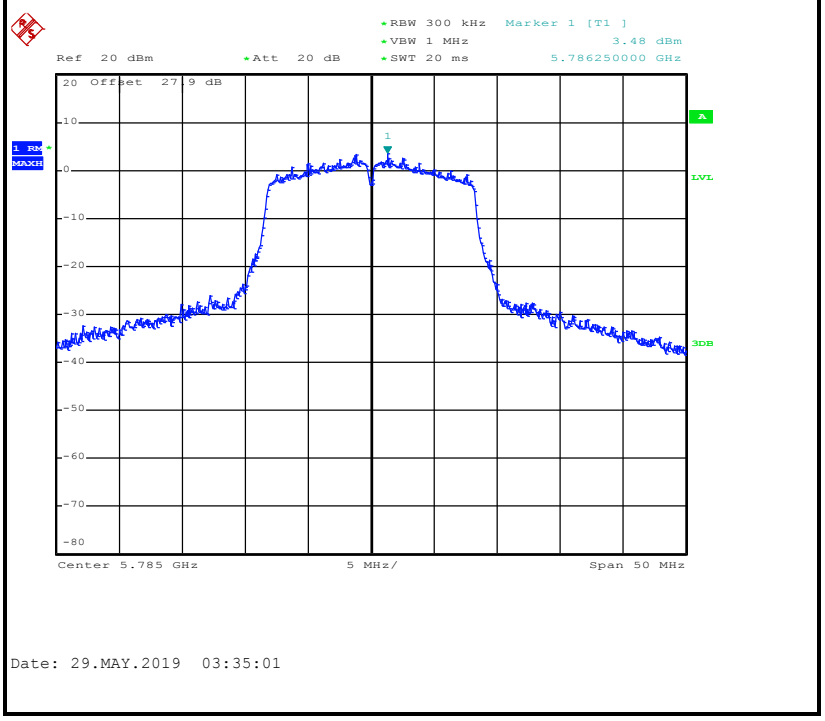
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

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

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

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

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

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

(ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.[4]

Note 3: An out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit.

Note 4: Only devices with antenna gains of 10 dBi or less may be approved using the emission limits specified in Section 15.247(d) till March 2, 2018; all other devices operating in this band must use the mask specified in Section 15.407(b)(4)(i).

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

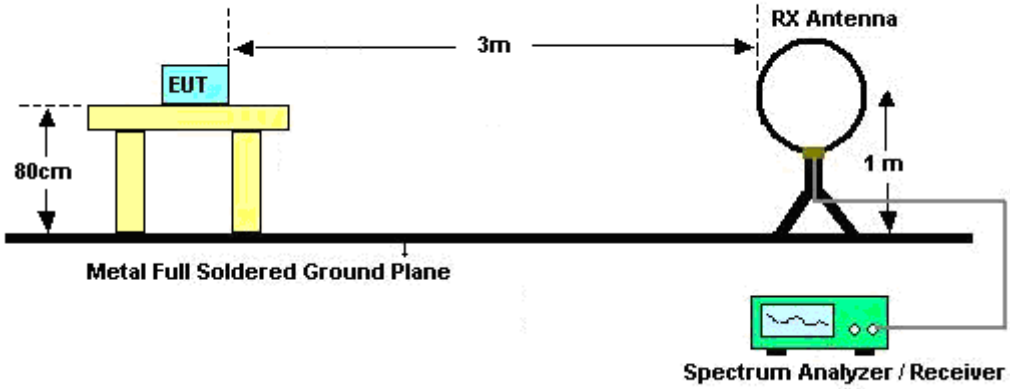
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

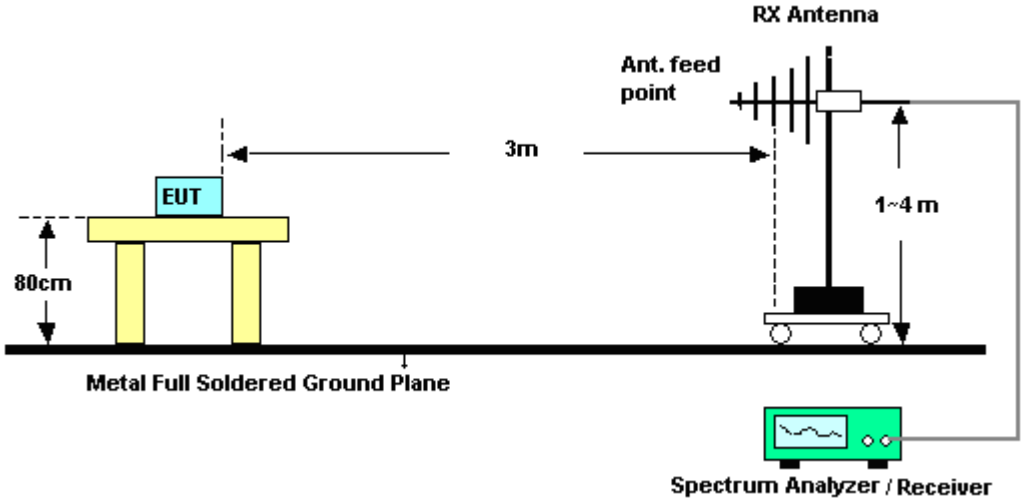
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

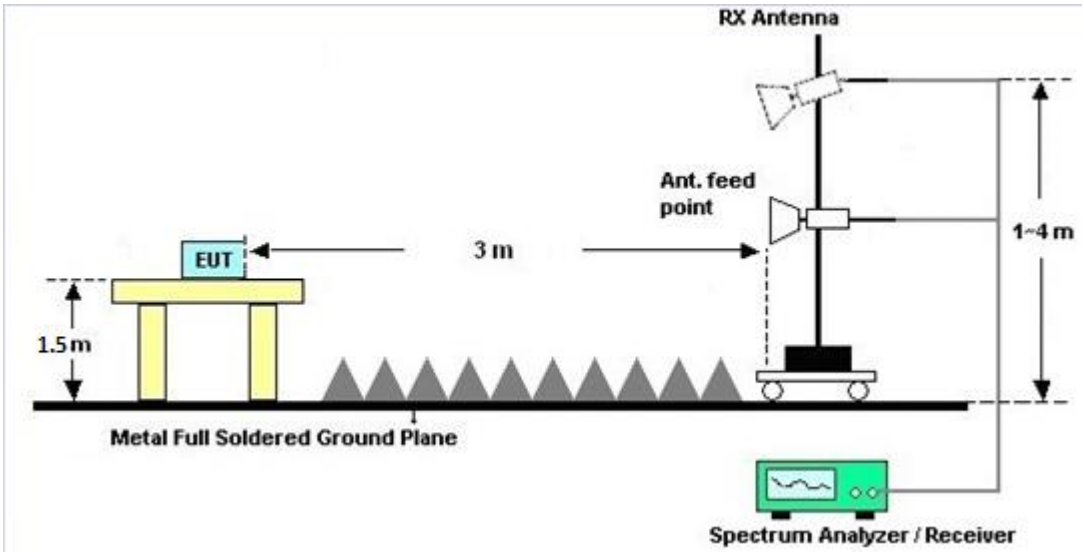
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

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

3.4.6 Test Result of Radiated 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 Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

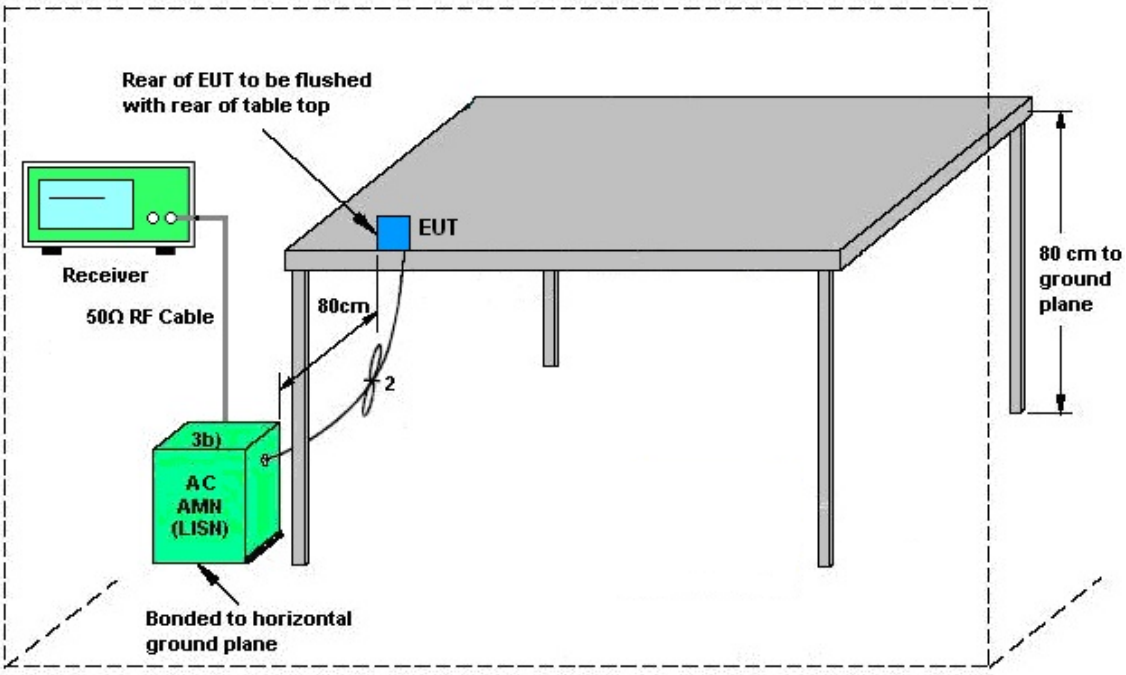
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

EUT is verified this characteristic during the function check of normal sample associated with an access point:

A. Information start: make EUT supply information to the access point.

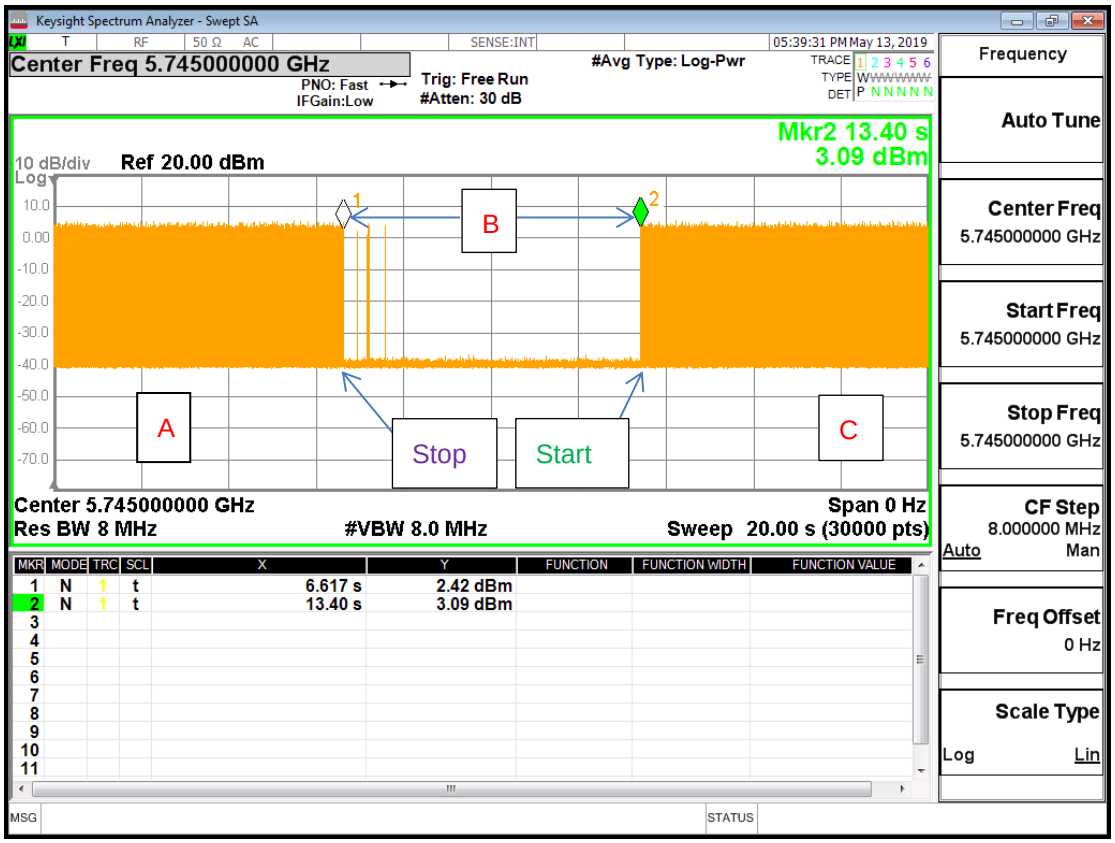
B. Information stop: stop supplying information to the access point.

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

5745MHz



Note: The control / signaling information during the period B is precluded.

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
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35419&03	30MHz to 1GHz	Apr. 30, 2019	May 11, 2019~ Jun. 13, 2019	Apr. 29, 2020	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Dec. 02, 2018	May 11, 2019~ Jun. 13, 2019	Dec. 03, 2019	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A (MXE)	MY53290053	20Hz to 26.5GHz	Jan. 23, 2019	May 11, 2019~ Jun. 13, 2019	Jan. 22, 2020	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 11, 2019	May 11, 2019~ Jun. 13, 2019	Jan. 10, 2020	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz ~ 18GHz	Apr. 24, 2019	May 11, 2019~ Jun. 13, 2019	Apr. 23, 2020	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz-1GHz	May 20, 2019	May 27, 2019	May 19, 2020	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Nov. 02, 2018	May 11, 2019~ Jun. 13, 2019	Nov. 01, 2019	Radiation (03CH07-HY)
Filter	Wainwright	WLKS1200-8 SS	SN3	1.2G Low Pass	Nov. 02, 2018	May 11, 2019~ Jun. 13, 2019	Nov. 01, 2019	Radiation (03CH07-HY)
Filter	Microwave	H3G018G1	SN477220	3.0G High Pass	Nov. 02, 2018	May 11, 2019~ Jun. 13, 2019	Nov. 01, 2019	Radiation (03CH07-HY)
Filter	Microwave	WHKX7.0/26. 5G-6SS	SN4	7G High Pass	Nov. 02, 2018	May 11, 2019~ Jun. 13, 2019	Nov. 01, 2019	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4, MY28655/4	9KHz~30MHz	Feb. 26, 2019	May 11, 2019~ Jun. 13, 2019	Feb. 25, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	30MHz~1GHz	Feb. 26, 2019	May 11, 2019~ Jun. 13, 2019	Feb. 25, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	1GHz~18GHz	Feb. 26, 2019	May 11, 2019~ Jun. 13, 2019	Feb. 25, 2020	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2858/2	18GHz~40GHz	Feb. 26, 2019	May 11, 2019~ Jun. 13, 2019	Feb. 25, 2020	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	May 11, 2019~ Jun. 13, 2019	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	May 11, 2019~ Jun. 13, 2019	N/A	Radiation (03CH07-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	May 11, 2019~ Jun. 13, 2019	Jul. 15, 2019	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz- 40GHz	Nov. 20, 2018	May 11, 2019~ Jun. 13, 2019	Nov. 19, 2019	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Apr. 18, 2019	May 11, 2019~ Jun. 13, 2019	Apr. 17, 2020	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8-24	80504004656H	N/A	N/A	May 11, 2019~ Jun. 13, 2019	N/A	Radiation (03CH07-HY)
Spectrum Analyzer	Keysight	N9010A	MY56070412	10Hz~7GHz	Aug. 16, 2018	May 13, 2019	Aug. 15, 2019	DFS (DFS02-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 19, 2018	May 07, 2019~ Jun. 17, 2019	Dec. 18, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 21, 2018	May 07, 2019~ Jun. 17, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	EM	EMSW18	SW1070903	N/A	Dec 19,2018	May 07, 2019~ Jun. 17, 2019	Dec 18 2019	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 24, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Jun. 24, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Jun. 24, 2019	Nov. 13, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 24, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Jun. 24, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Jun. 24, 2019	Dec. 30, 2019	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.2

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.7

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.5

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.2

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Luffy Lin	Temperature:	21~25	°C
Test Date:	2019/05/07 ~ 2019/06/17	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

Band IV												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	149	5745	16.70	16.80	21.80	28.40	15.10	15.10	0.5	Pass
11a	6Mbps	1	157	5785	16.70	16.70	24.10	26.90	15.20	15.10	0.5	Pass
11a	6Mbps	1	165	5825	16.70	16.70	21.60	27.10	15.10	15.10	0.5	Pass
HT20	MCS0	1	149	5745	17.70	17.65	26.80	31.50	15.10	15.10	0.5	Pass
HT20	MCS0	1	157	5785	17.65	17.65	29.10	30.90	15.10	15.10	0.5	Pass
HT20	MCS0	1	165	5825	17.70	17.65	27.50	29.10	15.10	15.10	0.5	Pass
HT40	MCS0	1	151	5755	36.40	36.40	41.58	66.24	33.84	35.10	0.5	Pass
HT40	MCS0	1	159	5795	36.30	36.20	63.54	65.34	35.10	35.10	0.5	Pass
VHT80	MCS0	1	155	5775	76.80	76.68	82.24	83.20	75.84	75.52	0.5	Pass

TEST RESULTS DATA
Average Power Table

Band IV												
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	149	5745	13.50	13.50		30.00	30.00	1.40	1.40	Pass
11a	6Mbps	1	157	5785	13.80	13.50		30.00	30.00	1.40	1.40	Pass
11a	6Mbps	1	165	5825	13.50	13.50		30.00	30.00	1.40	1.40	Pass
HT20	MCS0	1	149	5745	13.70	13.60		30.00	30.00	1.40	1.40	Pass
HT20	MCS0	1	157	5785	13.90	13.60		30.00	30.00	1.40	1.40	Pass
HT20	MCS0	1	165	5825	13.60	13.60		30.00	30.00	1.40	1.40	Pass
HT40	MCS0	1	151	5755	13.60	13.60		30.00	30.00	1.40	1.40	Pass
HT40	MCS0	1	159	5795	13.90	13.60		30.00	30.00	1.40	1.40	Pass
VHT20	MCS0	1	149	5745	13.60	13.50		30.00	30.00	1.40	1.40	Pass
VHT20	MCS0	1	157	5785	13.80	13.50		30.00	30.00	1.40	1.40	Pass
VHT20	MCS0	1	165	5825	13.50	13.50		30.00	30.00	1.40	1.40	Pass
VHT40	MCS0	1	151	5755	12.50	12.50		30.00	30.00	1.40	1.40	Pass
VHT40	MCS0	1	159	5795	12.80	12.50		30.00	30.00	1.40	1.40	Pass
VHT80	MCS0	1	155	5775	12.90	12.90		30.00	30.00	1.40	1.40	Pass

Report Number : FR8N2215-02E

TEST RESULTS DATA
Power Spectral Density

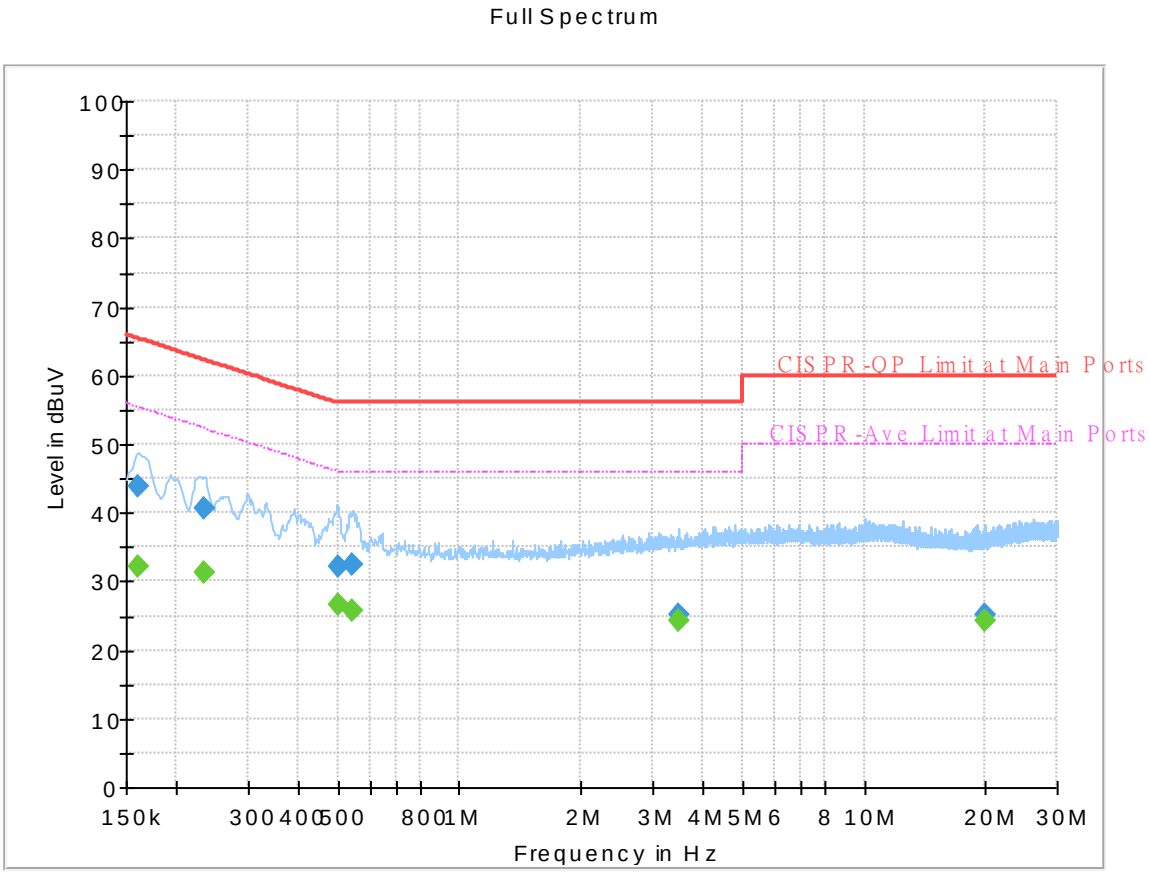
Band IV																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.00	0.00	2.22	2.22	4.73	5.07		30.00	30.00	1.40	1.40	Pass
11a	6Mbps	1	157	5785	0.00	0.00	2.22	2.22	5.70	4.87		30.00	30.00	1.40	1.40	Pass
11a	6Mbps	1	165	5825	0.00	0.00	2.22	2.22	4.54	4.99		30.00	30.00	1.40	1.40	Pass
HT20	MCS0	1	149	5745	0.00	0.00	2.22	2.22	3.85	4.10		30.00	30.00	1.40	1.40	Pass
HT20	MCS0	1	157	5785	0.00	0.00	2.22	2.22	5.26	3.85		30.00	30.00	1.40	1.40	Pass
HT20	MCS0	1	165	5825	0.00	0.00	2.22	2.22	3.94	4.11		30.00	30.00	1.40	1.40	Pass
HT40	MCS0	1	151	5755	0.00	0.00	2.22	2.22	1.16	0.59		30.00	30.00	1.40	1.40	Pass
HT40	MCS0	1	159	5795	0.00	0.00	2.22	2.22	1.57	1.48		30.00	30.00	1.40	1.40	Pass
VHT80	MCS0	1	155	5775	0.00	0.00	2.22	2.22	-2.84	-2.04		30.00	30.00	1.40	1.40	Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jimmy Chang	**Temperature :**	24~26℃
		Relative Humidity :	52~55%

EUT Information

Report NO :	8N2215-02
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

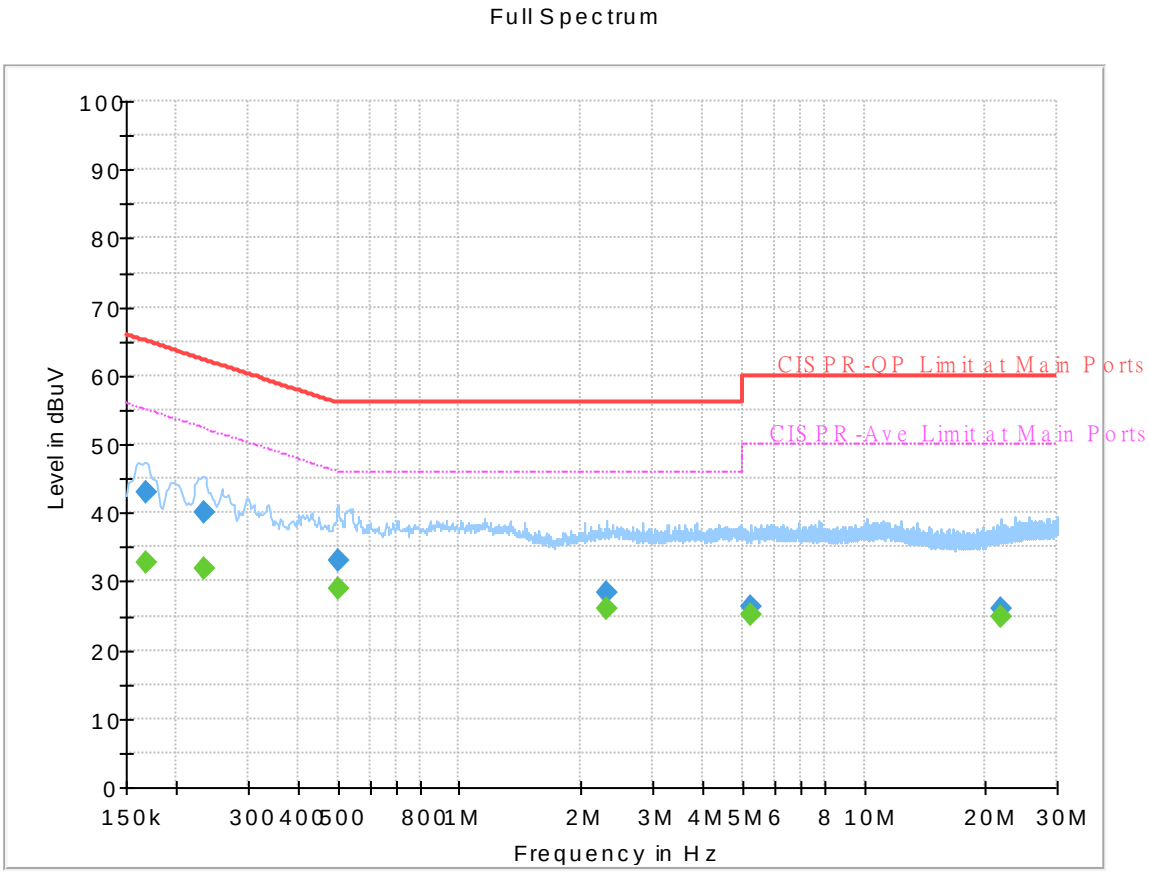


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	32.17	55.40	23.23	L1	OFF	19.4
0.161250	43.83	---	65.40	21.57	L1	OFF	19.4
0.233250	---	31.20	52.33	21.13	L1	OFF	19.4
0.233250	40.71	---	62.33	21.62	L1	OFF	19.4
0.503250	---	26.56	46.00	19.44	L1	OFF	19.4
0.503250	32.09	---	56.00	23.91	L1	OFF	19.4
0.543750	---	25.65	46.00	20.35	L1	OFF	19.4
0.543750	32.54	---	56.00	23.46	L1	OFF	19.4
3.473250	---	24.17	46.00	21.83	L1	OFF	19.6
3.473250	25.29	---	56.00	30.71	L1	OFF	19.6
19.826250	---	24.24	50.00	25.76	L1	OFF	20.2
19.826250	25.20	---	60.00	34.80	L1	OFF	20.2

EUT Information

Report NO :	8N2215-02
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.168000	---	32.83	55.06	22.23	N	OFF	19.5
0.168000	43.04	---	65.06	22.02	N	OFF	19.5
0.233250	---	31.78	52.33	20.55	N	OFF	19.5
0.233250	40.13	---	62.33	22.20	N	OFF	19.5
0.501000	---	28.84	46.00	17.16	N	OFF	19.5
0.501000	33.14	---	56.00	22.86	N	OFF	19.5
2.314500	---	26.05	46.00	19.95	N	OFF	19.5
2.314500	28.40	---	56.00	27.60	N	OFF	19.5
5.248500	---	25.26	50.00	24.74	N	OFF	19.7
5.248500	26.45	---	60.00	33.55	N	OFF	19.7
21.684750	---	24.92	50.00	25.08	N	OFF	20.3
21.684750	26.12	---	60.00	33.88	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh and Troye Hsieh	Temperature :	20~26°C
		Relative Humidity :	50~56%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5615.6	52.32	-15.88	68.2	40.99	34.73	11.68	35.08	263	178	P	H
		5668	52.45	-29.11	81.56	41.01	34.75	11.78	35.09	263	178	P	H
		5719.4	64.48	-46.15	110.63	52.92	34.83	11.83	35.1	263	178	P	H
		5723.4	69.9	-48.65	118.55	58.34	34.83	11.83	35.1	263	178	P	H
	*	5745	107.45	-	-	95.87	34.8	11.88	35.1	263	178	P	H
	*	5745	99.99	-	-	88.41	34.8	11.88	35.1	263	178	A	H
		5644.2	53.98	-14.22	68.2	42.66	34.67	11.73	35.08	100	159	P	V
		5699.8	57.05	-48	105.05	45.46	34.9	11.78	35.09	100	159	P	V
		5718.2	70.96	-39.34	110.3	59.4	34.83	11.83	35.1	100	159	P	V
		5722	74.96	-40.4	115.36	63.4	34.83	11.83	35.1	100	159	P	V
	*	5745	111.82	-	-	100.24	34.8	11.88	35.1	100	159	P	V
	*	5745	104.38	-	-	92.8	34.8	11.88	35.1	100	159	A	V

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 157 5785MHz		5617.6	51.62	-16.58	68.2	40.29	34.73	11.68	35.08	263	177	P	H
		5696.8	51.66	-51.18	102.84	40.07	34.9	11.78	35.09	263	177	P	H
		5709.4	51.75	-56.08	107.83	40.15	34.87	11.83	35.1	263	177	P	H
		5723	50.79	-66.85	117.64	39.23	34.83	11.83	35.1	263	177	P	H
	*	5785	107.73	-	-	96.04	34.87	11.93	35.11	263	177	P	H
	*	5785	100.35	-	-	88.66	34.87	11.93	35.11	263	177	A	H
		5851	50.34	-69.58	119.92	38.68	34.8	11.98	35.12	263	177	P	H
		5874.8	52.18	-53.08	105.26	40.35	34.93	12.02	35.12	263	177	P	H
		5875	52.24	-52.96	105.2	40.41	34.93	12.02	35.12	263	177	P	H
		5949.6	51.75	-16.45	68.2	39.77	35	12.11	35.13	263	177	P	H
		5641.2	53.42	-14.78	68.2	42.1	34.67	11.73	35.08	106	159	P	V
		5674.6	54.48	-31.96	86.44	43.04	34.75	11.78	35.09	106	159	P	V
		5707	53.31	-53.85	107.16	41.71	34.87	11.83	35.1	106	159	P	V
		5720.8	53.19	-59.43	112.62	41.63	34.83	11.83	35.1	106	159	P	V
	*	5785	112.4	-	-	100.71	34.87	11.93	35.11	106	159	P	V
	*	5785	105.01	-	-	93.32	34.87	11.93	35.11	106	159	A	V
		5852	51.92	-65.72	117.64	40.26	34.8	11.98	35.12	106	159	P	V
		5864.8	52.45	-55.6	108.05	40.68	34.87	12.02	35.12	106	159	P	V
		5886	52.72	-44.31	97.03	40.89	34.93	12.02	35.12	106	159	P	V
		5948.4	50.9	-17.3	68.2	38.92	35	12.11	35.13	106	159	P	V

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 165 5825MHz	*	5825	107.8	-	-	96.1	34.83	11.98	35.11	255	177	P	H
	*	5825	100.01	-	-	88.31	34.83	11.98	35.11	255	177	A	H
		5852.8	66.44	-49.38	115.82	54.78	34.8	11.98	35.12	255	177	P	H
		5857.2	60.76	-49.42	110.18	49.03	34.87	11.98	35.12	255	177	P	H
		5910.8	52.05	-26.63	78.68	40.11	35	12.07	35.13	255	177	P	H
		5938.6	53.16	-15.04	68.2	41.22	35	12.07	35.13	255	177	P	H
	*	5825	108.84	-	-	97.14	34.83	11.98	35.11	100	163	P	V
	*	5825	102.17	-	-	90.47	34.83	11.98	35.11	100	163	A	V
		5852.4	71.41	-45.32	116.73	59.75	34.8	11.98	35.12	100	163	P	V
		5855.2	66.74	-44	110.74	55.01	34.87	11.98	35.12	100	163	P	V
		5895.4	53.89	-36.18	90.07	41.99	35	12.02	35.12	100	163	P	V
		5931.4	53.06	-15.14	68.2	41.12	35	12.07	35.13	100	163	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

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 149 5745MHz		11490	49.88	-24.12	74	51.41	38.07	17.86	57.46	100	0	P	H
		17235	58.02	-10.18	68.2	50.67	41.57	21.81	56.03	200	44	P	H
		17235	46.22	-7.78	54	38.87	41.57	21.81	56.03	200	44	A	H
		11490	49.9	-24.1	74	51.43	38.07	17.86	57.46	100	0	P	V
		17235	53.48	-14.72	68.2	46.13	41.57	21.81	56.03	300	0	P	V
		17235	43.81	-10.19	54	36.46	41.57	21.81	56.03	300	0	A	V
802.11a CH 157 5785MHz		11570	49.97	-24.03	74	51.27	38.17	17.89	57.36	100	0	P	H
		17355	53.16	-15.04	68.2	45.61	41.55	21.94	55.94	100	0	P	H
		11570	49.95	-24.05	74	51.25	38.17	17.89	57.36	100	0	P	V
		17355	54.48	-13.72	68.2	46.93	41.55	21.94	55.94	100	0	P	V
802.11a CH 165 5825MHz		11650	49.91	-24.09	74	51	38.28	17.92	57.29	100	0	P	H
		17475	53.43	-14.77	68.2	45.9	41.33	22.05	55.85	100	0	P	H
		11650	49.86	-24.14	74	50.95	38.28	17.92	57.29	100	0	P	V
		17475	52.93	-15.27	68.2	45.4	41.33	22.05	55.85	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

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 149 5745MHz		5636.4	51.17	-17.03	68.2	39.85	34.67	11.73	35.08	265	177	P	H
		5678.8	52	-37.55	89.55	40.56	34.75	11.78	35.09	265	177	P	H
		5719	64.66	-45.86	110.52	53.1	34.83	11.83	35.1	265	177	P	H
		5725	69.06	-53.14	122.2	57.5	34.83	11.83	35.1	265	177	P	H
	*	5745	105.42	-	-	93.84	34.8	11.88	35.1	265	177	P	H
	*	5745	97.34	-	-	85.76	34.8	11.88	35.1	265	177	A	H
		5637.6	54.03	-14.17	68.2	42.71	34.67	11.73	35.08	100	159	P	V
		5692.6	54.39	-45.35	99.74	42.8	34.9	11.78	35.09	100	159	P	V
		5718.4	69.31	-41.04	110.35	57.75	34.83	11.83	35.1	100	159	P	V
		5723.8	74.19	-45.27	119.46	62.63	34.83	11.83	35.1	100	159	P	V
	*	5745	110.54	-	-	98.96	34.8	11.88	35.1	100	159	P	V
	*	5745	103.04	-	-	91.46	34.8	11.88	35.1	100	159	A	V

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 157 5785MHz		5639.4	51.83	-16.37	68.2	40.51	34.67	11.73	35.08	262	177	P	H
		5687.6	51.73	-44.32	96.05	40.14	34.9	11.78	35.09	262	177	P	H
		5708.6	51.9	-55.71	107.61	40.3	34.87	11.83	35.1	262	177	P	H
		5724.8	50.42	-71.32	121.74	38.86	34.83	11.83	35.1	262	177	P	H
	*	5785	107.27	-	-	95.58	34.87	11.93	35.11	262	177	P	H
	*	5785	99.26	-	-	87.57	34.87	11.93	35.11	262	177	A	H
		5850.8	51.03	-69.35	120.38	39.37	34.8	11.98	35.12	262	177	P	H
		5873.4	52.08	-53.57	105.65	40.25	34.93	12.02	35.12	262	177	P	H
		5907.8	51.46	-29.43	80.89	39.51	35	12.07	35.12	262	177	P	H
		5930	51.85	-16.35	68.2	39.91	35	12.07	35.13	262	177	P	H
		5638	53.44	-14.76	68.2	42.12	34.67	11.73	35.08	105	159	P	V
		5694	52.91	-47.87	100.78	41.32	34.9	11.78	35.09	105	159	P	V
		5718.6	53	-57.41	110.41	41.44	34.83	11.83	35.1	105	159	P	V
		5725	53.48	-68.72	122.2	41.92	34.83	11.83	35.1	105	159	P	V
	*	5785	111.75	-	-	100.06	34.87	11.93	35.11	105	159	P	V
	*	5785	104.22	-	-	92.53	34.87	11.93	35.11	105	159	A	V
		5851.4	52.13	-66.88	119.01	40.47	34.8	11.98	35.12	105	159	P	V
		5857	52.95	-57.29	110.24	41.22	34.87	11.98	35.12	105	159	P	V
		5876.6	52.49	-51.52	104.01	40.66	34.93	12.02	35.12	105	159	P	V
		5928.2	50.85	-17.35	68.2	38.91	35	12.07	35.13	105	159	P	V

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 165 5825MHz	*	5825	105.8	-	-	94.1	34.83	11.98	35.11	256	177	P	H
	*	5825	98.07	-	-	86.37	34.83	11.98	35.11	256	177	A	H
		5851.6	65.23	-53.32	118.55	53.57	34.8	11.98	35.12	256	177	P	H
		5855.6	59.84	-50.79	110.63	48.11	34.87	11.98	35.12	256	177	P	H
		5893.6	51.35	-40.05	91.4	39.45	35	12.02	35.12	256	177	P	H
		5931	52.67	-15.53	68.2	40.73	35	12.07	35.13	256	177	P	H
	*	5825	109.94	-	-	98.24	34.83	11.98	35.11	100	159	P	V
	*	5825	102.18	-	-	90.48	34.83	11.98	35.11	100	159	A	V
		5850	67.65	-54.55	122.2	55.99	34.8	11.98	35.12	100	159	P	V
		5856.6	63.47	-46.88	110.35	51.74	34.87	11.98	35.12	100	159	P	V
		5885	52.42	-45.35	97.77	40.59	34.93	12.02	35.12	100	159	P	V
		5933.4	51.62	-16.58	68.2	39.68	35	12.07	35.13	100	159	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

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		11490	49.9	-24.1	74	51.43	38.07	17.86	57.46	100	0	P	H
HT20		17235	53.84	-14.36	68.2	46.49	41.57	21.81	56.03	100	0	P	H
CH 149		11490	49.62	-24.38	74	51.15	38.07	17.86	57.46	100	0	P	V
5745MHz		17235	53.25	-14.95	68.2	45.9	41.57	21.81	56.03	100	0	P	V
802.11n		11570	49.1	-24.9	74	50.4	38.17	17.89	57.36	100	0	P	H
HT20		17355	52.85	-15.35	68.2	45.3	41.55	21.94	55.94	100	0	P	H
CH 157		11570	49.16	-24.84	74	50.46	38.17	17.89	57.36	100	0	P	V
5785MHz		17355	53.24	-14.96	68.2	45.69	41.55	21.94	55.94	100	0	P	V
802.11n		11650	49.91	-24.09	74	51	38.28	17.92	57.29	100	0	P	H
HT20		17475	52.9	-15.3	68.2	45.37	41.33	22.05	55.85	100	0	P	H
CH 165		11650	48.5	-25.5	74	49.59	38.28	17.92	57.29	100	0	P	V
5825MHz		17475	52.89	-15.31	68.2	45.36	41.33	22.05	55.85	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

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 151 5755MHz		5645.6	54.41	-13.79	68.2	43.09	34.67	11.73	35.08	259	96	P	H
		5699.2	61.89	-42.72	104.61	50.3	34.9	11.78	35.09	259	96	P	H
		5719.6	70.84	-39.85	110.69	59.28	34.83	11.83	35.1	259	96	P	H
		5721.4	73.28	-40.71	113.99	61.72	34.83	11.83	35.1	259	96	P	H
	*	5755	106.24	-	-	94.63	34.83	11.88	35.1	259	96	P	H
	*	5755	98.79	-	-	87.18	34.83	11.88	35.1	259	96	A	H
		5850.6	51.25	-69.58	120.83	39.59	34.8	11.98	35.12	259	96	P	H
		5865.4	51.73	-56.16	107.89	39.96	34.87	12.02	35.12	259	96	P	H
		5876.4	51.21	-52.95	104.16	39.38	34.93	12.02	35.12	259	96	P	H
		5925	50.35	-17.85	68.2	38.41	35	12.07	35.13	259	96	P	H
		5640.2	51.08	-17.12	68.2	39.76	34.67	11.73	35.08	104	296	P	V
		5696.2	54.64	-47.76	102.4	43.05	34.9	11.78	35.09	104	296	P	V
		5719.6	65.74	-44.95	110.69	54.18	34.83	11.83	35.1	104	296	P	V
		5724.2	68.59	-51.79	120.38	57.03	34.83	11.83	35.1	104	296	P	V
	*	5755	98.94	-	-	87.33	34.83	11.88	35.1	104	296	P	V
	*	5755	91.78	-	-	80.17	34.83	11.88	35.1	104	296	A	V
		5853	49.58	-65.78	115.36	37.92	34.8	11.98	35.12	104	296	P	V
		5861	51.03	-58.09	109.12	39.26	34.87	12.02	35.12	104	296	P	V
		5903.6	50.23	-33.77	84	38.28	35	12.07	35.12	104	296	P	V
		5932.4	50.51	-17.69	68.2	38.57	35	12.07	35.13	104	296	P	V

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 159 5795MHz		5641.4	52.62	-15.58	68.2	41.3	34.67	11.73	35.08	270	97	P	H
		5691	53.7	-44.86	98.56	42.11	34.9	11.78	35.09	270	97	P	H
		5714.2	56.64	-52.54	109.18	45.04	34.87	11.83	35.1	270	97	P	H
		5723	58.06	-59.58	117.64	46.5	34.83	11.83	35.1	270	97	P	H
	*	5795	106.7	-	-	94.98	34.9	11.93	35.11	270	97	P	H
	*	5795	99.4	-	-	87.68	34.9	11.93	35.11	270	97	A	H
		5851	59.72	-60.2	119.92	48.06	34.8	11.98	35.12	270	97	P	H
		5857	61.04	-49.2	110.24	49.31	34.87	11.98	35.12	270	97	P	H
		5884.2	56.16	-42.21	98.37	44.33	34.93	12.02	35.12	270	97	P	H
		5936.6	50.69	-17.51	68.2	38.75	35	12.07	35.13	270	97	P	H
		5623	51.18	-17.02	68.2	39.8	34.73	11.73	35.08	100	295	P	V
		5663.2	51.35	-26.65	78	40.06	34.6	11.78	35.09	100	295	P	V
		5712.8	51.87	-56.92	108.79	40.27	34.87	11.83	35.1	100	295	P	V
		5722	51.52	-63.84	115.36	39.96	34.83	11.83	35.1	100	295	P	V
	*	5795	99.89	-	-	88.17	34.9	11.93	35.11	100	295	P	V
	*	5795	92.77	-	-	81.05	34.9	11.93	35.11	100	295	A	V
		5850.4	57.54	-63.75	121.29	45.88	34.8	11.98	35.12	100	295	P	V
		5857.2	56.83	-53.35	110.18	45.1	34.87	11.98	35.12	100	295	P	V
		5876	51.52	-52.94	104.46	39.69	34.93	12.02	35.12	100	295	P	V
		5935.6	50.25	-17.95	68.2	38.31	35	12.07	35.13	100	295	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

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		11510	49.69	-24.31	74	51.14	38.1	17.88	57.43	100	0	P	H
HT40		17265	53.07	-15.13	68.2	45.69	41.53	21.85	56	100	0	P	H
CH 151		11510	48.05	-25.95	74	49.5	38.1	17.88	57.43	100	0	P	V
5755MHz		17265	54.03	-14.17	68.2	46.65	41.53	21.85	56	100	0	P	V
802.11n		11590	46.95	-27.05	74	48.2	38.18	17.91	57.34	100	0	P	H
HT40		17385	53.43	-14.77	68.2	45.78	41.58	21.98	55.91	100	0	P	H
CH 159		11590	47.27	-26.73	74	48.52	38.18	17.91	57.34	100	0	P	V
5795MHz		17385	53.68	-14.52	68.2	46.03	41.58	21.98	55.91	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		5643.2	64.54	-3.66	68.2	53.22	34.67	11.73	35.08	300	96	P	H
		5700	67.87	-37.33	105.2	56.28	34.9	11.78	35.09	300	96	P	H
		5719	68.22	-42.3	110.52	56.66	34.83	11.83	35.1	300	96	P	H
		5724.8	67.74	-54	121.74	56.18	34.83	11.83	35.1	300	96	P	H
	*	5775	102.48	-	-	90.83	34.87	11.88	35.1	300	96	P	H
	*	5775	95.79	-	-	84.14	34.87	11.88	35.1	300	96	A	H
		5851.2	68.22	-51.24	119.46	56.56	34.8	11.98	35.12	300	96	P	H
		5856	64.26	-46.26	110.52	52.53	34.87	11.98	35.12	300	96	P	H
		5905.4	66.01	-16.66	82.67	54.06	35	12.07	35.12	300	96	P	H
		5932.2	63.54	-4.66	68.2	51.6	35	12.07	35.13	300	96	P	H
		5638.2	54.4	-13.8	68.2	43.08	34.67	11.73	35.08	100	298	P	V
		5690.2	58.15	-39.82	97.97	46.56	34.9	11.78	35.09	100	298	P	V
		5701.4	60.49	-45.1	105.59	48.88	34.87	11.83	35.09	100	298	P	V
		5720.4	56.75	-54.96	111.71	45.19	34.83	11.83	35.1	100	298	P	V
	*	5775	105.55	-	-	93.9	34.87	11.88	35.1	100	298	P	V
	*	5775	88.7	-	-	77.05	34.87	11.88	35.1	100	298	A	V
		5852.4	64.12	-52.61	116.73	52.46	34.8	11.98	35.12	100	298	P	V
		5862.4	63.89	-44.84	108.73	52.12	34.87	12.02	35.12	100	298	P	V
		5878	64.22	-38.75	102.97	52.39	34.93	12.02	35.12	100	298	P	V
		5933.4	60.42	-7.78	68.2	48.48	35	12.07	35.13	100	298	P	V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac		11550	46.7	-27.3	74	48.04	38.15	17.89	57.38	100	0	P	H
VHT80		17325	53.82	-14.38	68.2	46.36	41.52	21.9	55.96	100	0	P	H
CH 155		11550	46.8	-27.2	74	48.14	38.15	17.89	57.38	100	0	P	V
5775MHz		17325	52.55	-15.65	68.2	45.09	41.52	21.9	55.96	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
5GHz 802.11ac VHT80 LF		30.27	34.73	-5.27	40	38.79	24.6	1.32	29.98	100	0	P	H
		40.26	34.05	-5.95	40	43.9	18.81	1.33	29.99	-	-	P	H
		61.59	30.44	-9.56	40	46.86	11.87	1.7	29.99	-	-	P	H
		814.5	31.65	-14.35	46	28.44	27.83	4.61	29.23	-	-	P	H
		882.4	32.25	-13.75	46	27.43	28.87	4.94	28.99	-	-	P	H
		952.4	34.19	-11.81	46	27.17	30.49	5.08	28.55	-	-	P	H
		30.27	33.91	-6.09	40	37.97	24.6	1.32	29.98	100	0	P	V
		42.15	32.81	-7.19	40	43.71	17.76	1.33	29.99	-	-	P	V
		117.75	34.63	-8.87	43.5	45.26	17.33	2.01	29.97	-	-	P	V
		745.2	32.01	-13.99	46	29.28	27.72	4.46	29.45	-	-	P	V
		862.8	32.51	-13.49	46	27.63	29.01	4.93	29.06	-	-	P	V
		956.6	34.48	-11.52	46	27.23	30.69	5.08	28.52	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5610.4	55.38	-12.82	68.2	43.98	34.8	11.68	35.08	100	295	P	H
		5700	55.53	-49.67	105.2	43.94	34.9	11.78	35.09	100	295	P	H
		5716.8	69.07	-40.84	109.91	57.47	34.87	11.83	35.1	100	295	P	H
		5723.6	74.74	-44.27	119.01	63.18	34.83	11.83	35.1	100	295	P	H
	*	5745	111.25	-	-	99.67	34.8	11.88	35.1	100	295	P	H
	*	5745	103.91	-	-	92.33	34.8	11.88	35.1	100	295	A	H
		5609.8	51.9	-16.3	68.2	40.5	34.8	11.68	35.08	398	348	P	V
		5673	52.05	-33.21	85.26	40.61	34.75	11.78	35.09	398	348	P	V
		5720	62.98	-47.82	110.8	51.42	34.83	11.83	35.1	398	348	P	V
		5723.8	67.44	-52.02	119.46	55.88	34.83	11.83	35.1	398	348	P	V
	*	5745	104.79	-	-	93.21	34.8	11.88	35.1	398	348	P	V
	*	5745	97.26	-	-	85.68	34.8	11.88	35.1	398	348	A	V

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 157 5785MHz		5618	53.56	-14.64	68.2	42.23	34.73	11.68	35.08	100	293	P	H
		5660.6	53.9	-22.17	76.07	42.61	34.6	11.78	35.09	100	293	P	H
		5717.2	53.89	-56.13	110.02	42.29	34.87	11.83	35.1	100	293	P	H
		5722.6	53.32	-63.41	116.73	41.76	34.83	11.83	35.1	100	293	P	H
	*	5785	111.22	-	-	99.53	34.87	11.93	35.11	100	293	P	H
	*	5785	103.81	-	-	92.12	34.87	11.93	35.11	100	293	A	H
		5850	53.43	-68.77	122.2	41.77	34.8	11.98	35.12	100	293	P	H
		5857.2	52.31	-57.87	110.18	40.58	34.87	11.98	35.12	100	293	P	H
		5884.4	52.54	-45.68	98.22	40.71	34.93	12.02	35.12	100	293	P	H
		5946	52.46	-15.74	68.2	40.48	35	12.11	35.13	100	293	P	H
		5647.4	51.07	-17.13	68.2	39.75	34.67	11.73	35.08	392	348	P	V
		5697.2	51.8	-51.34	103.14	40.21	34.9	11.78	35.09	392	348	P	V
		5717.6	51.44	-58.69	110.13	39.88	34.83	11.83	35.1	392	348	P	V
		5721.2	49.53	-64.01	113.54	37.97	34.83	11.83	35.1	392	348	P	V
	*	5785	103.84	-	-	92.15	34.87	11.93	35.11	392	348	P	V
	*	5785	96.71	-	-	85.02	34.87	11.93	35.11	392	348	A	V
		5853.6	49.52	-64.47	113.99	37.79	34.87	11.98	35.12	392	348	P	V
		5867.8	49.01	-58.2	107.21	37.24	34.87	12.02	35.12	392	348	P	V
		5917.8	51.76	-21.75	73.51	39.82	35	12.07	35.13	392	348	P	V
		5942	50.25	-17.95	68.2	38.27	35	12.11	35.13	392	348	P	V

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 165 5825MHz	*	5825	111.37	-	-	99.67	34.83	11.98	35.11	100	294	P	H
	*	5825	104	-	-	92.3	34.83	11.98	35.11	100	294	A	H
		5850	61.14	-61.06	122.2	49.48	34.8	11.98	35.12	100	294	P	H
		5855	59.99	-50.81	110.8	48.26	34.87	11.98	35.12	100	294	P	H
		5885.2	54.06	-43.57	97.63	42.23	34.93	12.02	35.12	100	294	P	H
		5930.4	52.36	-15.84	68.2	40.42	35	12.07	35.13	100	294	P	H
	*	5825	104.22	-	-	92.52	34.83	11.98	35.11	386	348	P	V
	*	5825	96.97	-	-	85.27	34.83	11.98	35.11	386	348	A	V
		5850.4	54.13	-67.16	121.29	42.47	34.8	11.98	35.12	386	348	P	V
		5855.6	51.4	-59.23	110.63	39.67	34.87	11.98	35.12	386	348	P	V
		5907.4	50.1	-31.09	81.19	38.15	35	12.07	35.12	386	348	P	V
		5932.4	50.16	-18.04	68.2	38.22	35	12.07	35.13	386	348	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

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 149 5745MHz		11490	52.58	-21.42	74	54.11	38.07	17.86	57.46	100	125	P	H
		11490	41.86	-12.14	54	43.39	38.07	17.86	57.46	100	125	A	H
		17235	52.36	-15.84	68.2	45.01	41.57	21.81	56.03	100	0	P	H
		11490	48.06	-25.94	74	49.59	38.07	17.86	57.46	100	0	P	V
		17235	52.39	-15.81	68.2	45.04	41.57	21.81	56.03	100	0	P	V
802.11a CH 157 5785MHz		11570	49.51	-24.49	74	50.81	38.17	17.89	57.36	100	0	P	H
		17355	53.33	-14.87	68.2	45.78	41.55	21.94	55.94	100	0	P	H
		11570	47.82	-26.18	74	49.12	38.17	17.89	57.36	100	0	P	V
		17355	53.24	-14.96	68.2	45.69	41.55	21.94	55.94	100	0	P	V
802.11a CH 165 5825MHz		11650	48.98	-25.02	74	50.07	38.28	17.92	57.29	100	0	P	H
		17475	52.73	-15.47	68.2	45.2	41.33	22.05	55.85	100	0	P	H
		11650	48.44	-25.56	74	49.53	38.28	17.92	57.29	100	0	P	V
		17475	53.83	-14.37	68.2	46.3	41.33	22.05	55.85	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		5616.8	54.67	-13.53	68.2	43.34	34.73	11.68	35.08	100	294	P	H
		5696	55.7	-46.55	102.25	44.11	34.9	11.78	35.09	100	294	P	H
		5718.2	70.95	-39.35	110.3	59.39	34.83	11.83	35.1	100	294	P	H
		5725	75.52	-46.68	122.2	63.96	34.83	11.83	35.1	100	294	P	H
	*	5745	110.32	-	-	98.74	34.8	11.88	35.1	100	294	P	H
	*	5745	102.63	-	-	91.05	34.8	11.88	35.1	100	294	A	H
		5620.4	52.05	-16.15	68.2	40.67	34.73	11.73	35.08	395	342	P	V
		5669.4	51.36	-31.23	82.59	39.92	34.75	11.78	35.09	395	342	P	V
		5717.6	62.25	-47.88	110.13	50.69	34.83	11.83	35.1	395	342	P	V
		5724	65.45	-54.47	119.92	53.89	34.83	11.83	35.1	395	342	P	V
	*	5745	102.76	-	-	91.18	34.8	11.88	35.1	395	342	P	V
	*	5745	95.29	-	-	83.71	34.8	11.88	35.1	395	342	A	V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 157 5785MHz		5620.6	52.66	-15.54	68.2	41.28	34.73	11.73	35.08	100	293	P	H
		5682.2	53.55	-38.52	92.07	42.11	34.75	11.78	35.09	100	293	P	H
		5708.6	53.49	-54.12	107.61	41.89	34.87	11.83	35.1	100	293	P	H
		5724.4	53.35	-67.48	120.83	41.79	34.83	11.83	35.1	100	293	P	H
	*	5785	109.92	-	-	98.23	34.87	11.93	35.11	100	293	P	H
	*	5785	102.29	-	-	90.6	34.87	11.93	35.11	100	293	A	H
		5853.4	53.06	-61.39	114.45	41.4	34.8	11.98	35.12	100	293	P	H
		5862.6	53.37	-55.3	108.67	41.6	34.87	12.02	35.12	100	293	P	H
		5891.4	52.32	-40.71	93.03	40.42	35	12.02	35.12	100	293	P	H
		5933.4	51.27	-16.93	68.2	39.33	35	12.07	35.13	100	293	P	H
		5633	51.11	-17.09	68.2	39.79	34.67	11.73	35.08	392	348	P	V
		5666	51.21	-28.87	80.08	39.92	34.6	11.78	35.09	392	348	P	V
		5707.2	49.98	-57.24	107.22	38.38	34.87	11.83	35.1	392	348	P	V
		5724.8	49.66	-72.08	121.74	38.1	34.83	11.83	35.1	392	348	P	V
	*	5785	102.9	-	-	91.21	34.87	11.93	35.11	392	348	P	V
	*	5785	95.58	-	-	83.89	34.87	11.93	35.11	392	348	A	V
		5853.4	49.74	-64.71	114.45	38.08	34.8	11.98	35.12	392	348	P	V
		5872.4	50.25	-55.68	105.93	38.42	34.93	12.02	35.12	392	348	P	V
		5908.6	50.16	-30.14	80.3	38.21	35	12.07	35.12	392	348	P	V
		5937.8	49.33	-18.87	68.2	37.39	35	12.07	35.13	392	348	P	V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 165 5825MHz	*	5825	110.17	-	-	98.47	34.83	11.98	35.11	102	294	P	H
	*	5825	102.85	-	-	91.15	34.83	11.98	35.11	102	294	A	H
		5851.4	64.54	-54.47	119.01	52.88	34.8	11.98	35.12	102	294	P	H
		5856.6	57.9	-52.45	110.35	46.17	34.87	11.98	35.12	102	294	P	H
		5880.8	53.32	-47.57	100.89	41.49	34.93	12.02	35.12	102	294	P	H
		5925.8	52.63	-15.57	68.2	40.69	35	12.07	35.13	102	294	P	H
	*	5825	102.69	-	-	90.99	34.83	11.98	35.11	386	349	P	V
	*	5825	95.34	-	-	83.64	34.83	11.98	35.11	386	349	A	V
		5850.8	55.52	-64.86	120.38	43.86	34.8	11.98	35.12	386	349	P	V
		5857.8	51.9	-58.11	110.01	40.17	34.87	11.98	35.12	386	349	P	V
		5890.6	49.64	-43.98	93.62	37.74	35	12.02	35.12	386	349	P	V
		5941.2	50.93	-17.27	68.2	38.95	35	12.11	35.13	386	349	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		11490	55.57	-18.43	74	57.1	38.07	17.86	57.46	100	238	P	H
		11490	46.02	-7.98	54	47.55	38.07	17.86	57.46	100	238	A	H
		17235	53	-15.2	68.2	45.65	41.57	21.81	56.03	100	0	P	H
		11490	48.38	-25.62	74	49.91	38.07	17.86	57.46	100	0	P	V
		17235	53.88	-14.32	68.2	46.53	41.57	21.81	56.03	100	0	P	V
802.11n HT20 CH 157 5785MHz		11570	49.63	-24.37	74	50.93	38.17	17.89	57.36	100	0	P	H
		17355	53.55	-14.65	68.2	46	41.55	21.94	55.94	100	0	P	H
		11570	47.51	-26.49	74	48.81	38.17	17.89	57.36	100	0	P	V
		17355	52.78	-15.42	68.2	45.23	41.55	21.94	55.94	100	0	P	V
802.11n HT20 CH 165 5825MHz		11650	49.95	-24.05	74	51.04	38.28	17.92	57.29	100	0	P	H
		17475	52.96	-15.24	68.2	45.43	41.33	22.05	55.85	100	0	P	H
		11650	48.72	-25.28	74	49.81	38.28	17.92	57.29	100	0	P	V
		17475	53.69	-14.51	68.2	46.16	41.33	22.05	55.85	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		5648.4	53.49	-14.71	68.2	42.17	34.67	11.73	35.08	100	295	P	H
		5697	66.76	-36.23	102.99	55.17	34.9	11.78	35.09	100	295	P	H
		5719.8	75.26	-35.48	110.74	63.7	34.83	11.83	35.1	100	295	P	H
		5724	77.52	-42.4	119.92	65.96	34.83	11.83	35.1	100	295	P	H
	*	5755	107.32	-	-	95.71	34.83	11.88	35.1	100	295	P	H
	*	5755	100.12	-	-	88.51	34.83	11.88	35.1	100	295	A	H
		5850	53.31	-68.89	122.2	41.65	34.8	11.98	35.12	100	295	P	H
		5867.8	52.71	-54.5	107.21	40.94	34.87	12.02	35.12	100	295	P	H
		5894	51.88	-39.22	91.1	39.98	35	12.02	35.12	100	295	P	H
		5925.2	50.91	-17.29	68.2	38.97	35	12.07	35.13	100	295	P	H
		5621.4	50.64	-17.56	68.2	39.26	34.73	11.73	35.08	396	348	P	V
		5650.4	52.04	-16.46	68.5	40.79	34.6	11.73	35.08	396	348	P	V
		5720	64.53	-46.27	110.8	52.97	34.83	11.83	35.1	396	348	P	V
		5723.2	67.7	-50.4	118.1	56.14	34.83	11.83	35.1	396	348	P	V
	*	5755	100.04	-	-	88.43	34.83	11.88	35.1	396	348	P	V
	*	5755	92.96	-	-	81.35	34.83	11.88	35.1	396	348	A	V
		5854.4	49.23	-62.94	112.17	37.5	34.87	11.98	35.12	396	348	P	V
		5857	50.67	-59.57	110.24	38.94	34.87	11.98	35.12	396	348	P	V
		5891.8	51.01	-41.72	92.73	39.11	35	12.02	35.12	396	348	P	V
		5943.8	49.51	-18.69	68.2	37.53	35	12.11	35.13	396	348	P	V

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 159 5795MHz		5647.2	52.47	-15.73	68.2	41.15	34.67	11.73	35.08	107	295	P	H
		5695.2	53.83	-47.83	101.66	42.24	34.9	11.78	35.09	107	295	P	H
		5705.4	55.78	-50.93	106.71	44.18	34.87	11.83	35.1	107	295	P	H
		5723.6	56.16	-62.85	119.01	44.6	34.83	11.83	35.1	107	295	P	H
	*	5795	107.35	-	-	95.63	34.9	11.93	35.11	107	295	P	H
	*	5795	100.23	-	-	88.51	34.9	11.93	35.11	107	295	A	H
		5853.2	58.85	-56.05	114.9	47.19	34.8	11.98	35.12	107	295	P	H
		5857.6	58.46	-51.61	110.07	46.73	34.87	11.98	35.12	107	295	P	H
		5882.2	52.42	-47.43	99.85	40.59	34.93	12.02	35.12	107	295	P	H
		5927.4	51.95	-16.25	68.2	40.01	35	12.07	35.13	107	295	P	H
		5624.8	51.41	-16.79	68.2	40.03	34.73	11.73	35.08	400	22	P	V
		5698.4	51.36	-52.66	104.02	39.77	34.9	11.78	35.09	400	22	P	V
		5700.2	50.55	-54.71	105.26	38.91	34.9	11.83	35.09	400	22	P	V
		5720.6	49.2	-62.97	112.17	37.64	34.83	11.83	35.1	400	22	P	V
	*	5795	99.51	-	-	87.79	34.9	11.93	35.11	400	22	P	V
	*	5795	92.38	-	-	80.66	34.9	11.93	35.11	400	22	A	V
		5852	51.17	-66.47	117.64	39.51	34.8	11.98	35.12	400	22	P	V
		5855.6	50.75	-59.88	110.63	39.02	34.87	11.98	35.12	400	22	P	V
		5919	50.36	-22.26	72.62	38.42	35	12.07	35.13	400	22	P	V
		5945.6	50.51	-17.69	68.2	38.53	35	12.11	35.13	400	22	P	V

Remark

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

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11510	47.24	-26.76	74	48.69	38.1	17.88	57.43	100	0	P	H
HT40		17265	53.24	-14.96	68.2	45.86	41.53	21.85	56	100	0	P	H
CH 151		11510	47.13	-26.87	74	48.58	38.1	17.88	57.43	100	0	P	V
5755MHz		17265	53.67	-14.53	68.2	46.29	41.53	21.85	56	100	0	P	V
802.11n		11590	49.82	-24.18	74	51.07	38.18	17.91	57.34	100	0	P	H
HT40		17385	53.64	-14.56	68.2	45.99	41.58	21.98	55.91	100	0	P	H
CH 159		11590	48.03	-25.97	74	49.28	38.18	17.91	57.34	100	0	P	V
5795MHz		17385	54.08	-14.12	68.2	46.43	41.58	21.98	55.91	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		5647.6	63.71	-4.49	68.2	52.39	34.67	11.73	35.08	112	293	P	H
		5680.4	67.76	-22.97	90.73	56.32	34.75	11.78	35.09	112	293	P	H
		5719.4	68.77	-41.86	110.63	57.21	34.83	11.83	35.1	112	293	P	H
		5723	68.46	-49.18	117.64	56.9	34.83	11.83	35.1	112	293	P	H
	*	5775	103.74	-	-	92.09	34.87	11.88	35.1	112	293	P	H
	*	5775	96.91	-	-	85.26	34.87	11.88	35.1	112	293	A	H
		5854	65.49	-47.59	113.08	53.76	34.87	11.98	35.12	112	293	P	H
		5856.2	67.27	-43.19	110.46	55.54	34.87	11.98	35.12	112	293	P	H
		5880	64.98	-36.51	101.49	53.15	34.93	12.02	35.12	112	293	P	H
		5925.6	62.63	-5.57	68.2	50.69	35	12.07	35.13	112	293	P	H
		5649.6	56.02	-12.18	68.2	44.77	34.6	11.73	35.08	397	2	P	V
		5676.2	59.98	-27.65	87.63	48.54	34.75	11.78	35.09	397	2	P	V
		5701	54.18	-51.3	105.48	42.57	34.87	11.83	35.09	397	2	P	V
		5720.2	51.7	-59.56	111.26	40.14	34.83	11.83	35.1	397	2	P	V
	*	5775	95.79	-	-	84.14	34.87	11.88	35.1	397	2	P	V
	*	5775	89.55	-	-	77.9	34.87	11.88	35.1	397	2	A	V
		5852.6	50.27	-66	116.27	38.61	34.8	11.98	35.12	397	2	P	V
		5861.4	53.4	-55.61	109.01	41.63	34.87	12.02	35.12	397	2	P	V
		5899.2	58.03	-29.22	87.25	46.13	35	12.02	35.12	397	2	P	V
		5935	54.82	-13.38	68.2	42.88	35	12.07	35.13	397	2	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (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)
802.11ac		11550	48	-26	74	49.34	38.15	17.89	57.38	100	0	P	H
VHT80		17325	53.86	-14.34	68.2	46.4	41.52	21.9	55.96	100	0	P	H
CH 155		11550	47.44	-26.56	74	48.78	38.15	17.89	57.38	100	0	P	V
5775MHz		17325	53.1	-15.1	68.2	45.64	41.52	21.9	55.96	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF @ 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)
5GHz 802.11ac VHT80 LF		30	34.05	-5.95	40	38.11	24.6	1.19	29.98	100	0	P	H
		60.24	30.92	-9.08	40	47.32	11.89	1.55	29.99	-	-	P	H
		117.21	35.01	-8.49	43.5	45.64	17.33	1.83	29.97	-	-	P	H
		774.6	31.62	-14.38	46	28.58	27.94	4.18	29.36	-	-	P	H
		920.9	33.3	-12.7	46	27.9	29.17	4.68	28.78	-	-	P	H
		959.4	34.32	-11.68	46	26.89	30.85	4.74	28.5	-	-	P	H
		30	34.22	-5.78	40	38.28	24.6	1.19	29.98	100	0	P	V
		61.05	31.27	-8.73	40	47.68	11.88	1.55	29.99	-	-	P	V
		117.48	35.31	-8.19	43.5	45.94	17.33	1.83	29.97	-	-	P	V
		883.8	32.72	-13.28	46	27.9	28.87	4.63	28.99	-	-	P	V
		930.7	33.23	-12.77	46	27.4	29.53	4.68	28.71	-	-	P	V
		959.4	34.21	-11.79	46	26.78	30.85	4.74	28.5	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

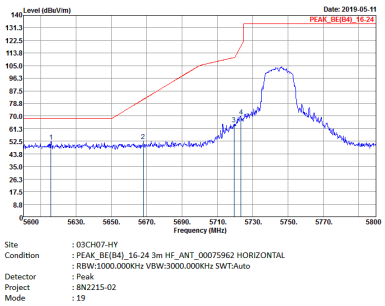
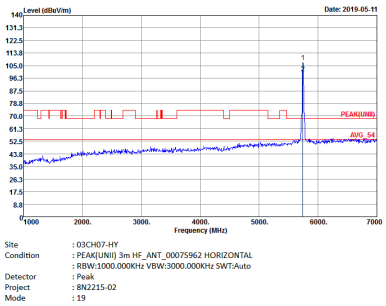
Both peak and average measured complies with the limit line, so test result is “PASS”.

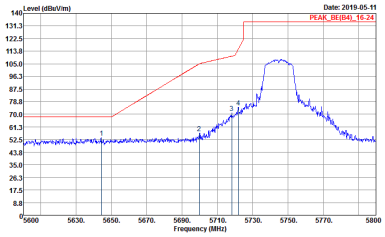
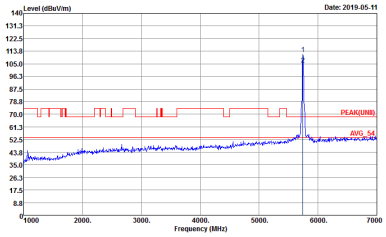
Appendix D. Radiated Spurious Emission Plots

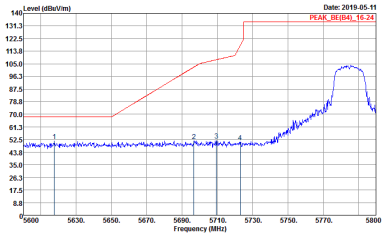
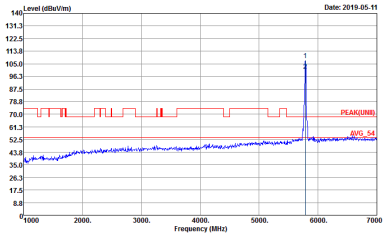
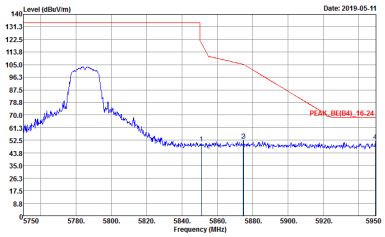
Test Engineer :	Jesse Wang, Stan Hsieh and Troye Hsieh	Temperature :	20~26°C
		Relative Humidity :	50~56%

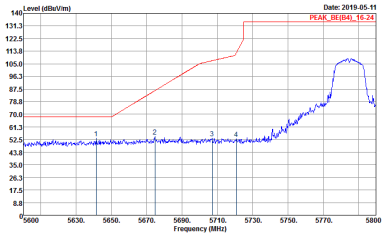
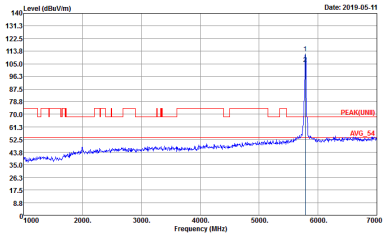
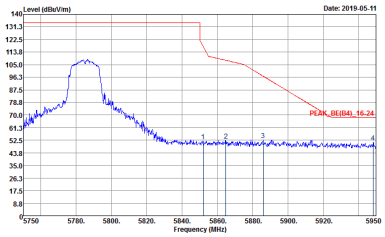
Band 4 - 5725~5850MHz

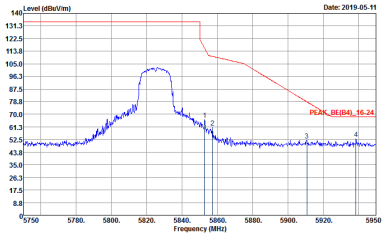
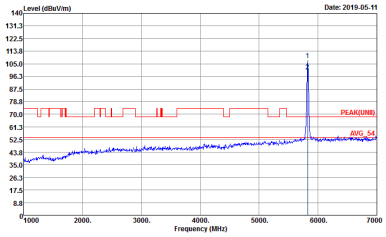
WIFI 802.11a (Band Edge @ 3m)

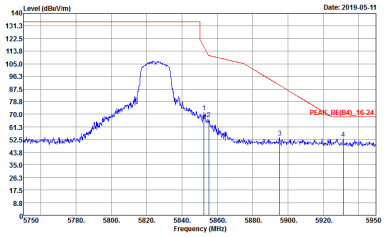
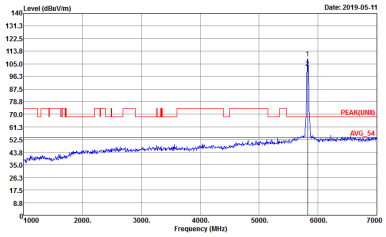
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 19	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 19

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 20	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 20
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 20	Left blank

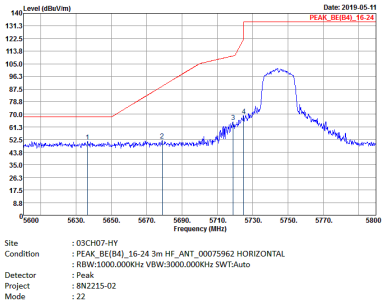
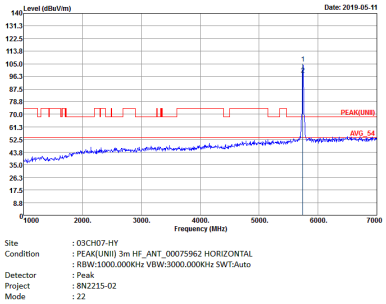
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 20	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 20
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 20	Left blank

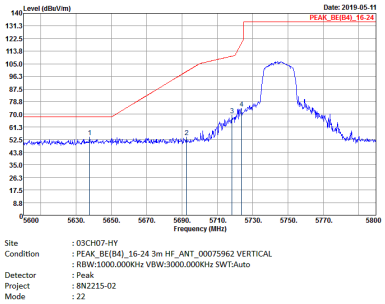
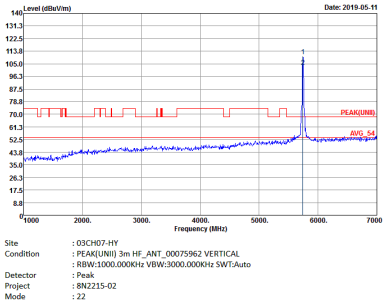
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 21	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 21

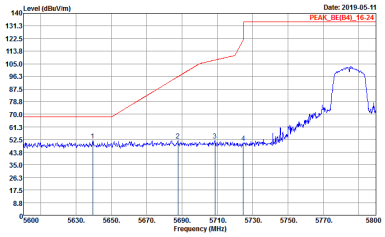
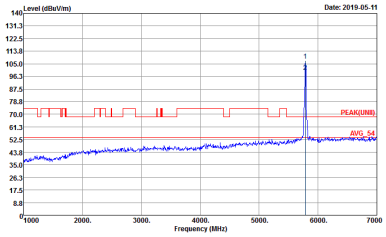
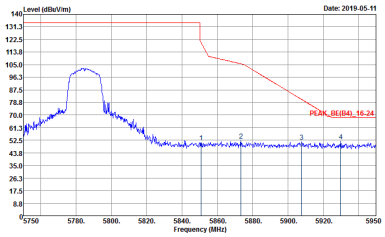
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 21	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 21

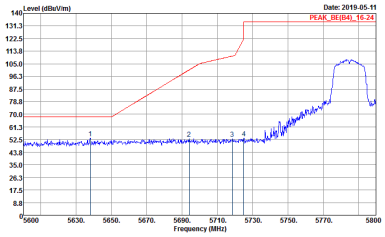
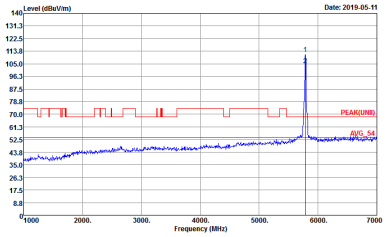
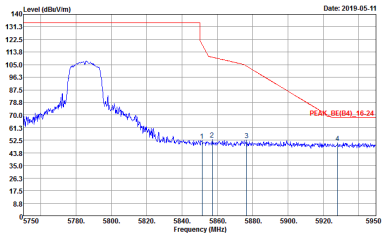
Band 4 5725~5850MHz

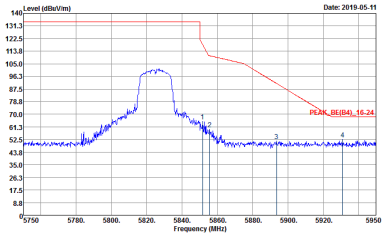
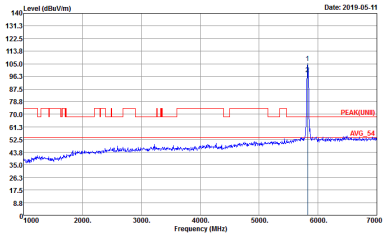
WIFI 802.11n HT20 (Band Edge @ 3m)

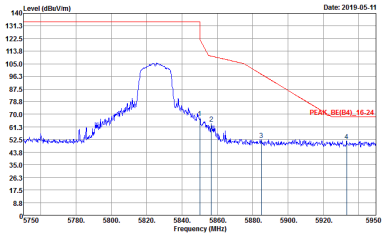
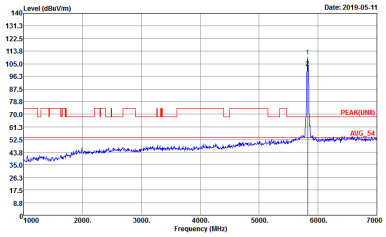
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 23	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 23
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 23	Left blank

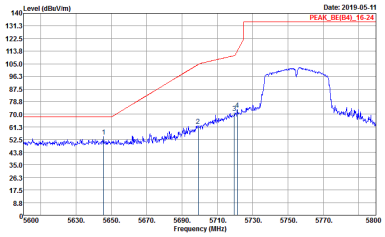
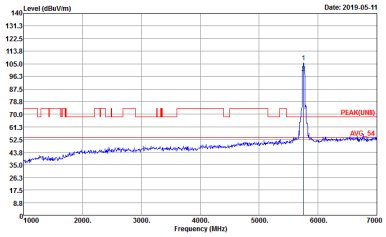
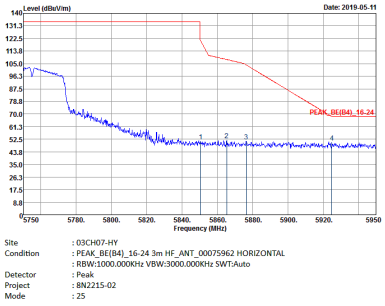
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 23	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 23
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 23	Left blank

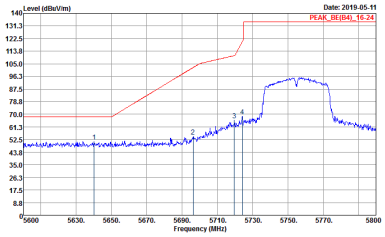
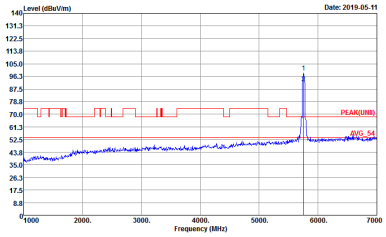
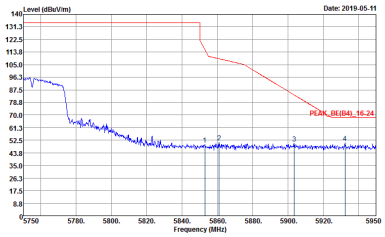
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 24	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 24

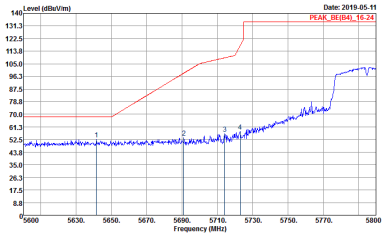
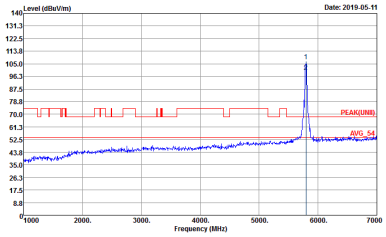
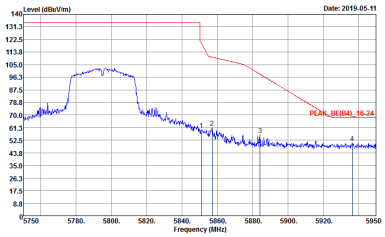
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 24	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 24

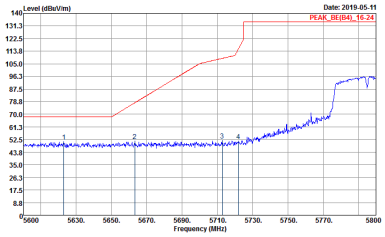
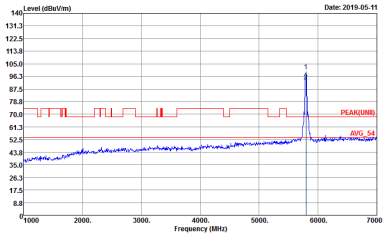
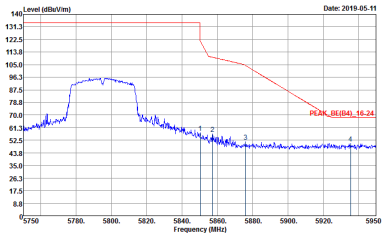
Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Fundamental
Peak		
Peak		Left blank

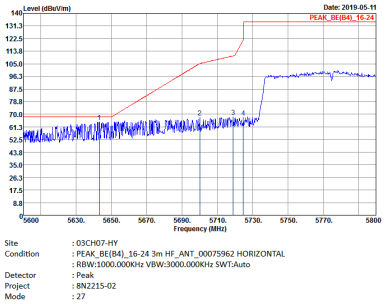
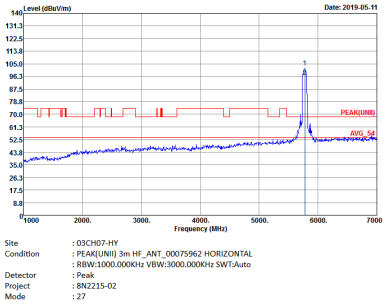
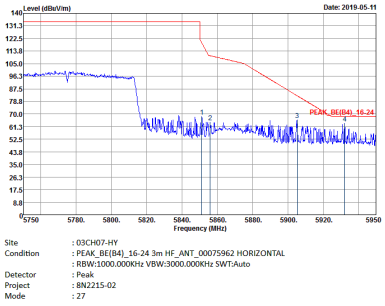
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 25	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 25
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 25	Left blank

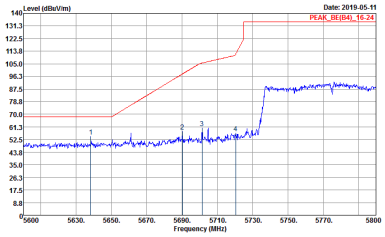
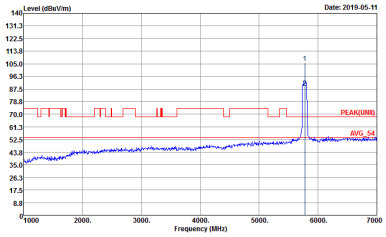
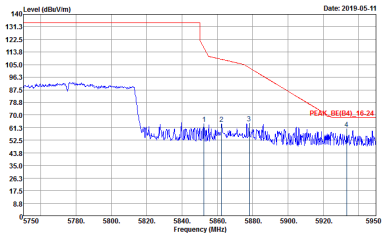
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 26	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 26
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 26	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 26	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 26
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 26	Left blank

Band 4 5725~5850MHz

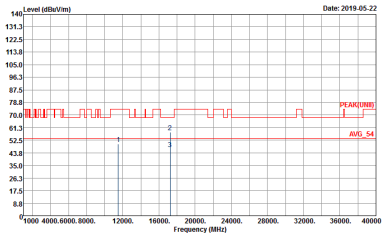
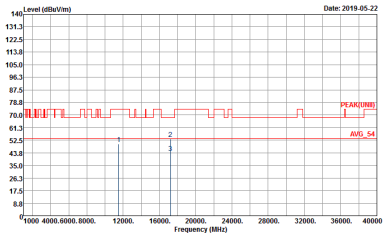
WIFI 802.11ac VHT80 (Band Edge @ 3m)

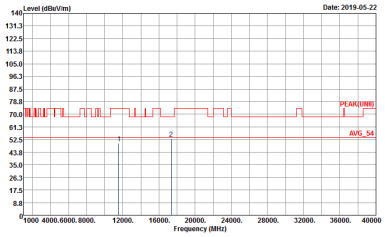
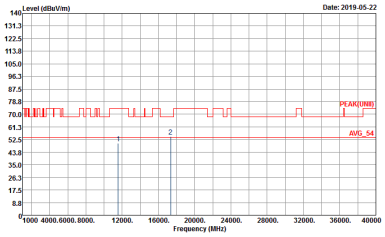
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak		
Peak		Left blank

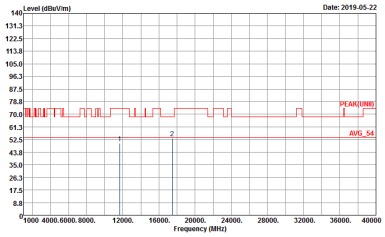
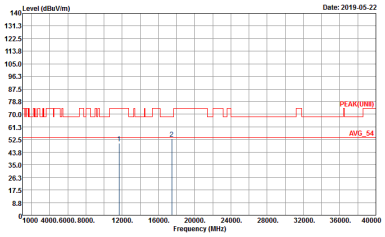
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 27	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 27
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 27	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

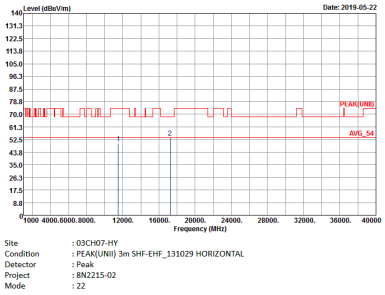
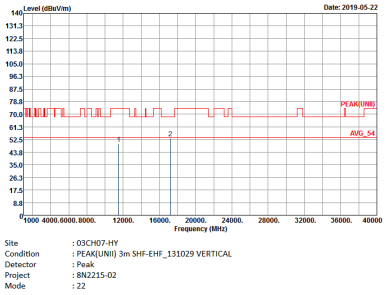
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 19	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 19

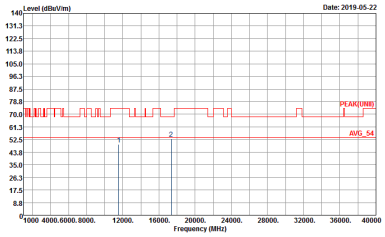
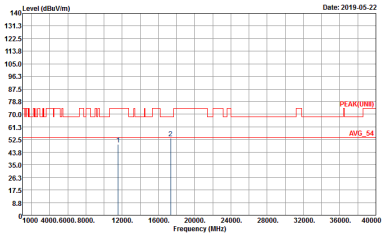
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 20	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 20

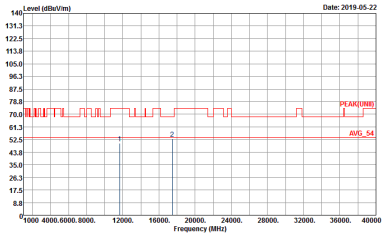
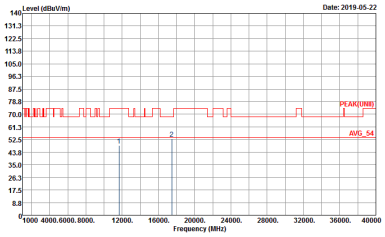
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 21	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 21

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

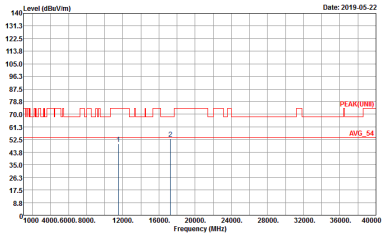
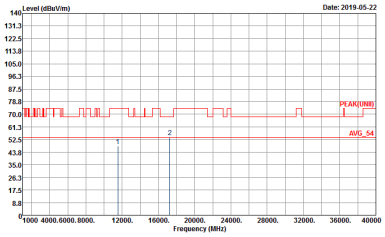
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.	 	

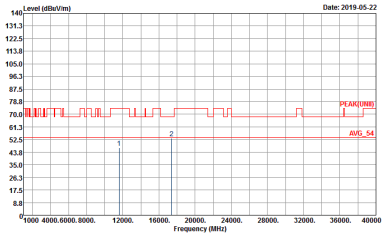
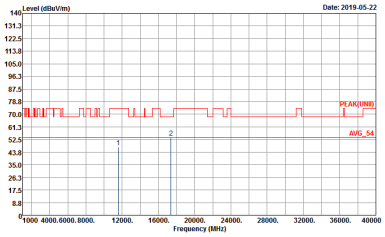
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 23	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 23

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 24	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 24

Band 4 5725~5850MHz

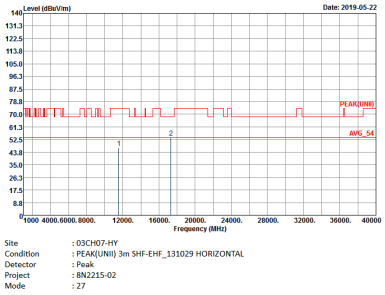
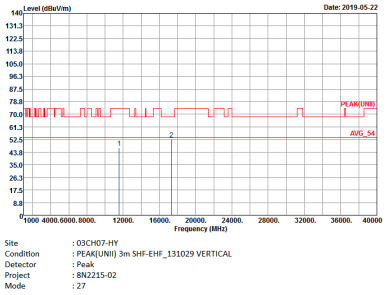
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 25	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 25

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 26	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 26

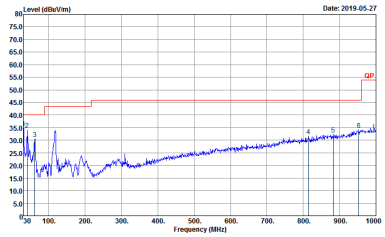
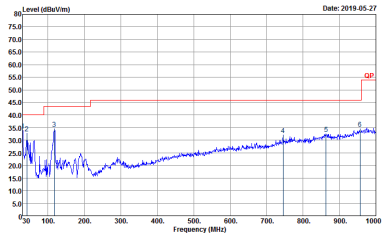
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 27	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 27

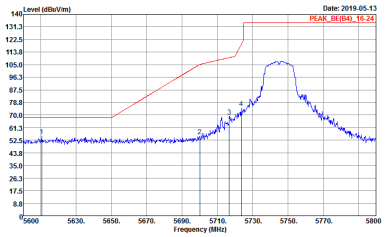
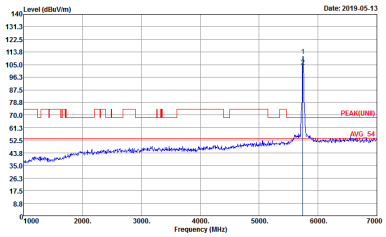
Emission below 1GHz

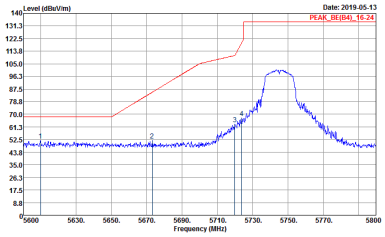
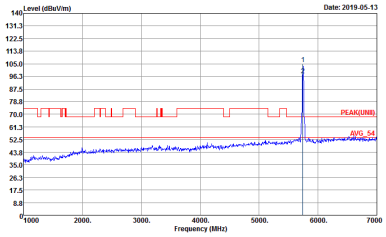
5GHz WIFI 802.11ac VHT80 (LF)

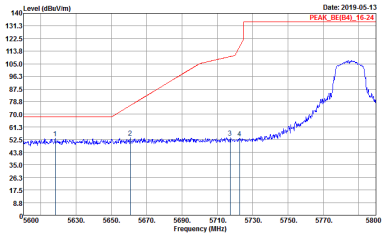
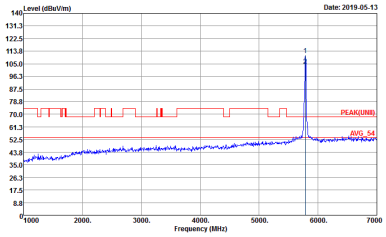
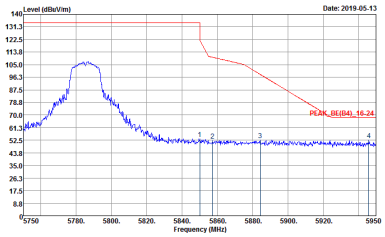
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6) HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 38	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6) VERTICAL Detector : Peak Project : 8N2215-02 Mode : 38

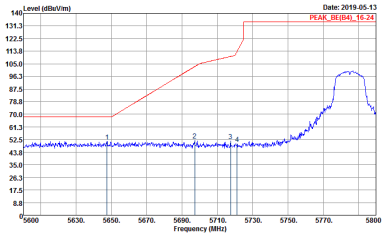
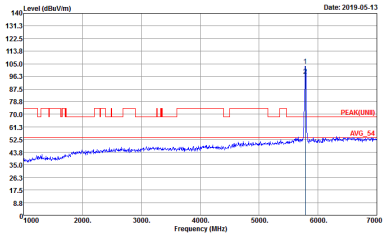
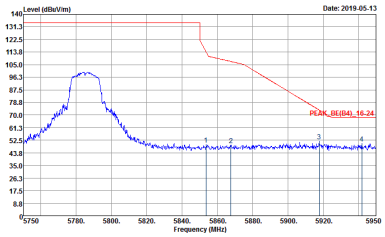
Band 4 - 5725~5850MHz

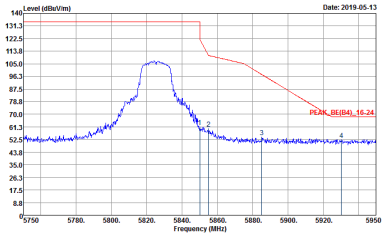
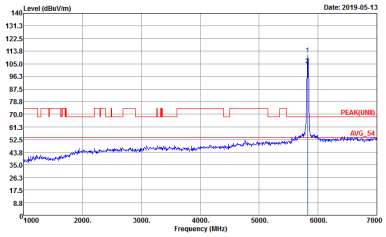
WIFI 802.11a (Band Edge @ 3m)

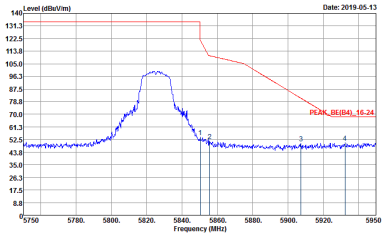
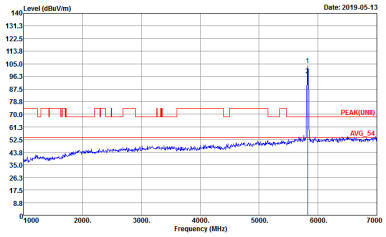
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 28	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 28

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
2	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 29	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 29
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 29	Left blank

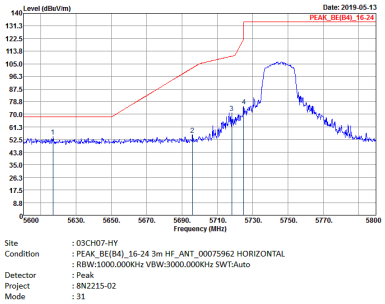
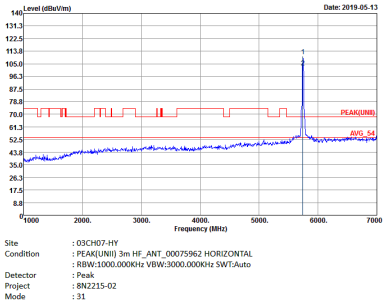
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 29	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 29
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 29	Left blank

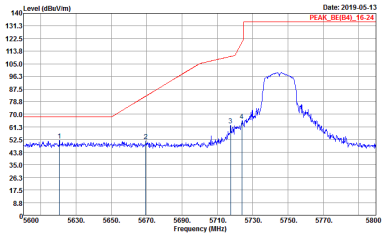
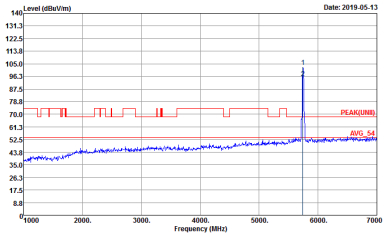
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Fundamental
Peak		

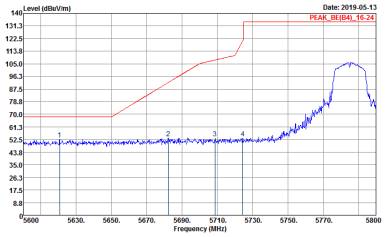
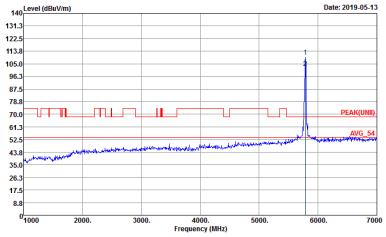
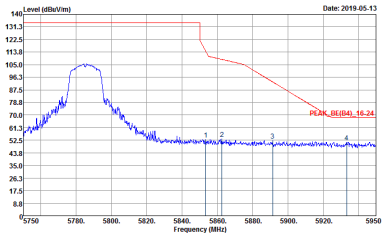
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 30	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 30

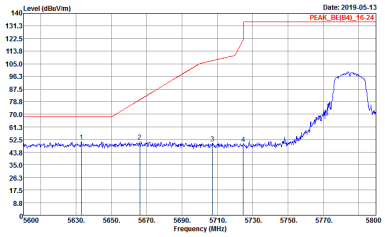
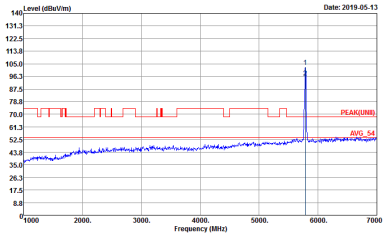
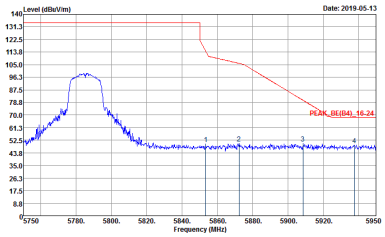
Band 4 5725~5850MHz

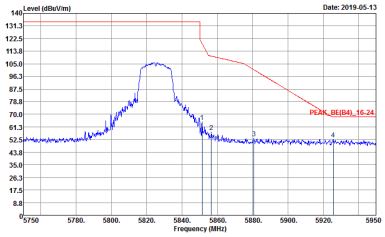
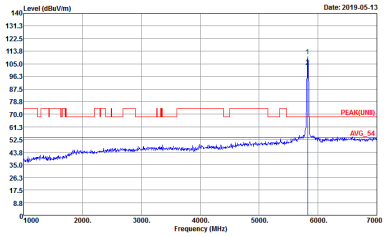
WIFI 802.11n HT20 (Band Edge @ 3m)

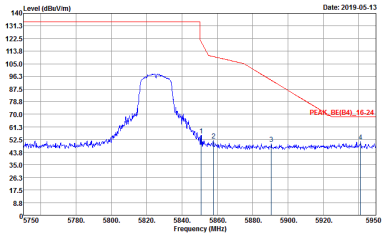
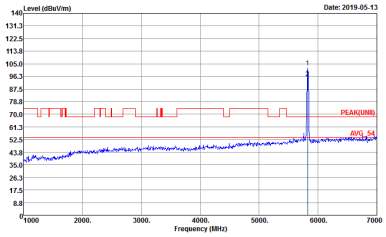
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 31	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 31

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 32	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 32
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 32	Left blank

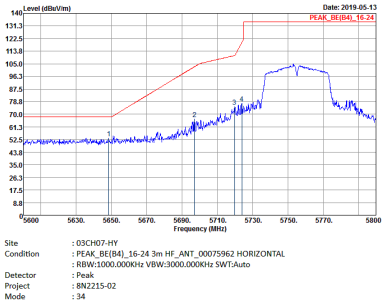
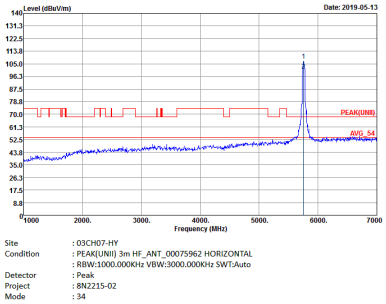
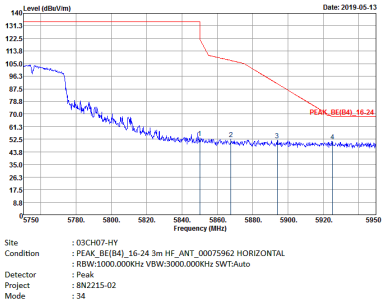
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 32	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 32
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 32	Left blank

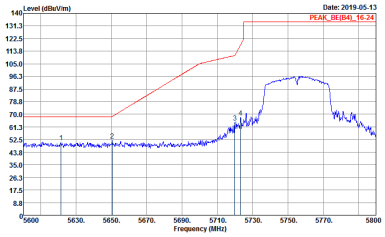
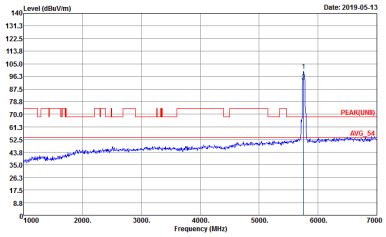
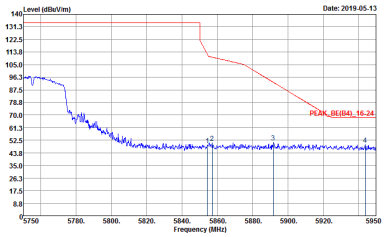
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 33	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 33

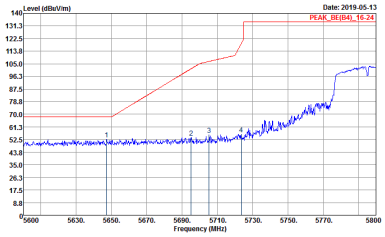
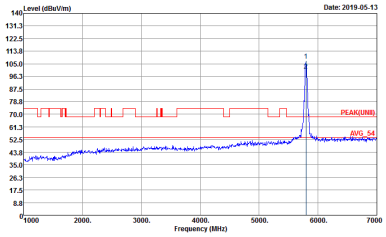
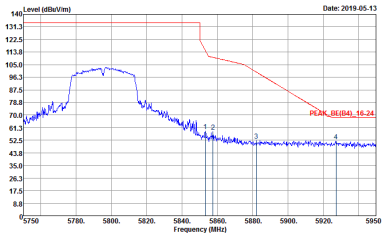
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 33	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 33

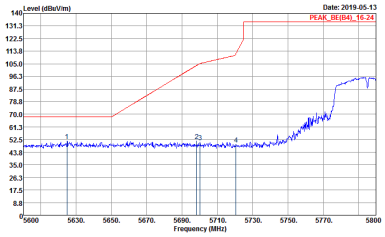
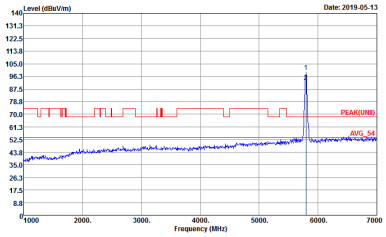
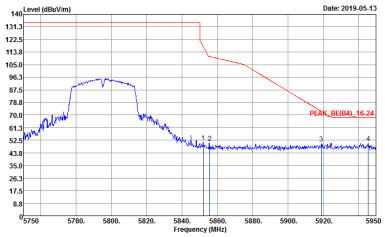
Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Horizontal	Fundamental
Peak		
Peak		Left blank

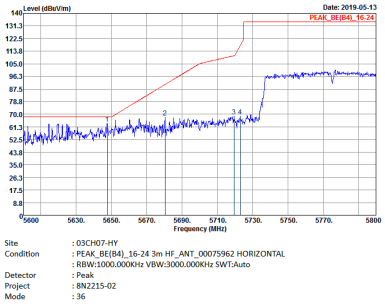
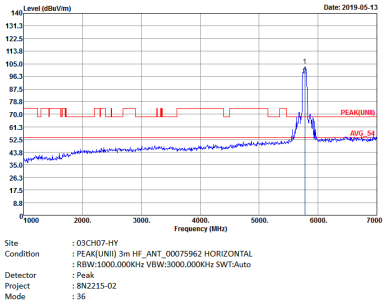
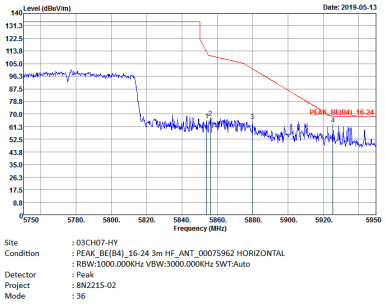
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 34	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 34
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 34	Left blank

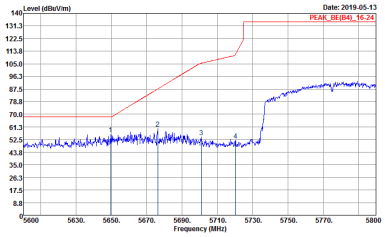
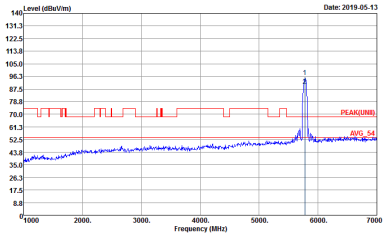
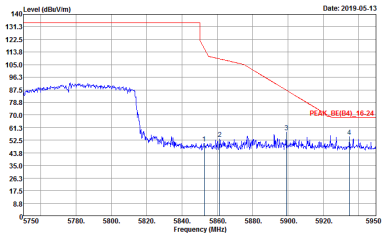
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 35	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 35
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 35	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 35	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 35
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 35	Left blank

Band 4 5725~5850MHz

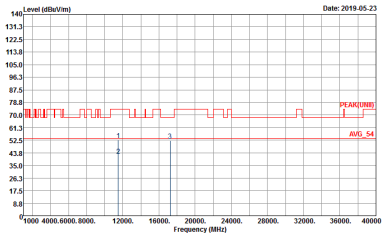
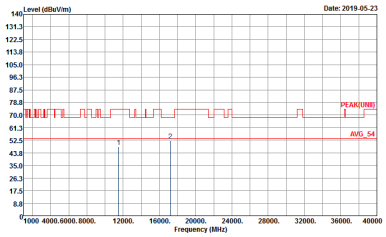
WIFI 802.11ac VHT80 (Band Edge @ 3m)

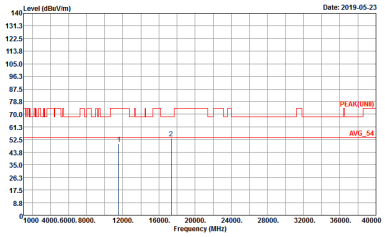
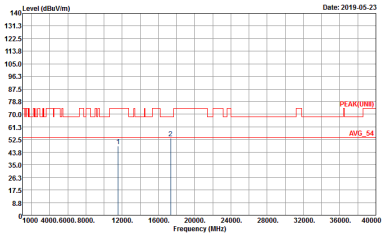
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Fundamental
Peak		
Peak		Left blank

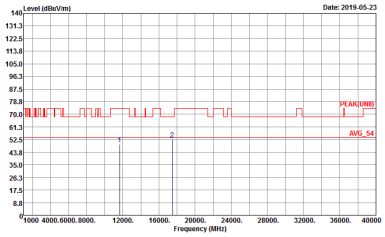
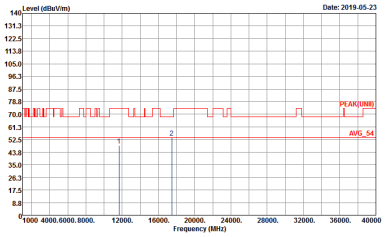
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 36	 Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 36
Peak	 Site : 03CH07-HY Condition : PEAK_BE(B4)_16-24 3m HF_ANT_00075962 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8N2215-02 Mode : 36	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

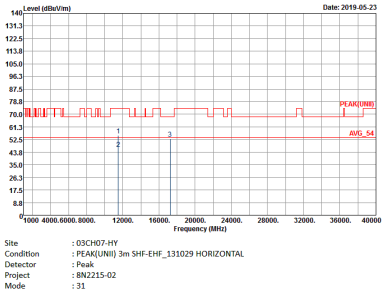
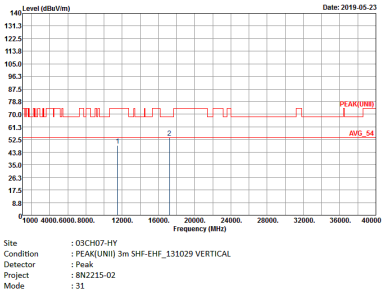
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 28	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 28

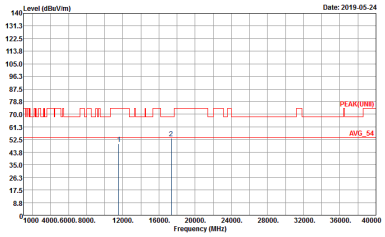
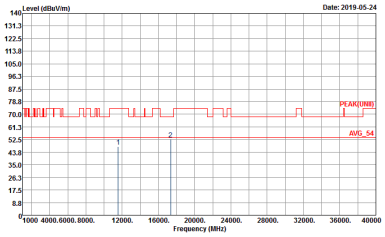
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 29	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 29

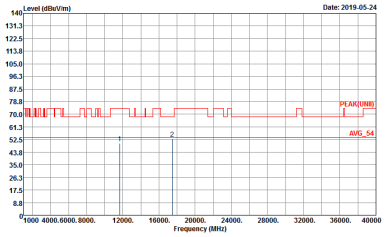
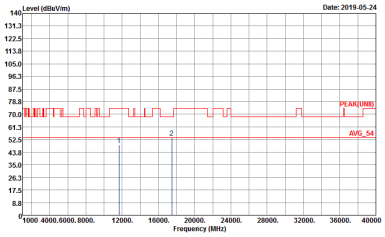
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 30	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 29

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

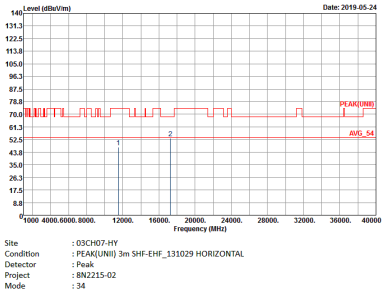
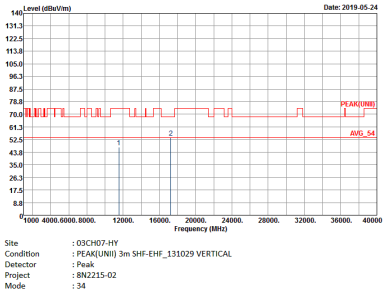
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 31	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 31

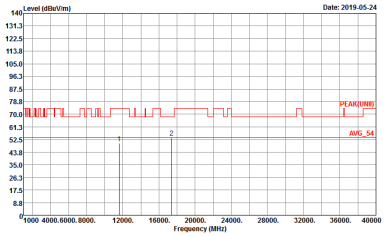
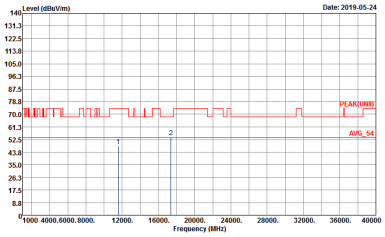
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 32	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 32

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 33	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 33

Band 4 5725~5850MHz

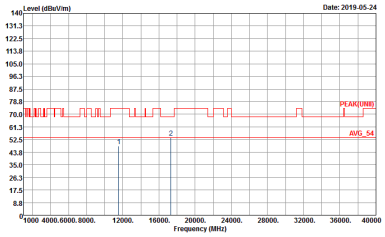
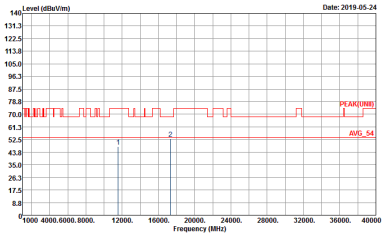
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Horizontal	Vertical
Peak Avg.	 	

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 35	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 35

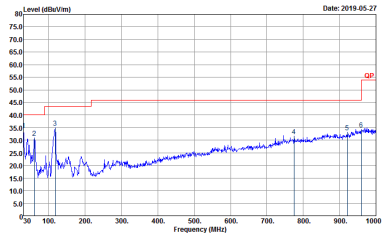
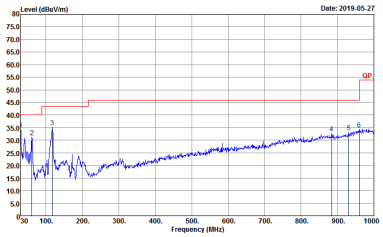
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 36	 Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 8N2215-02 Mode : 36

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

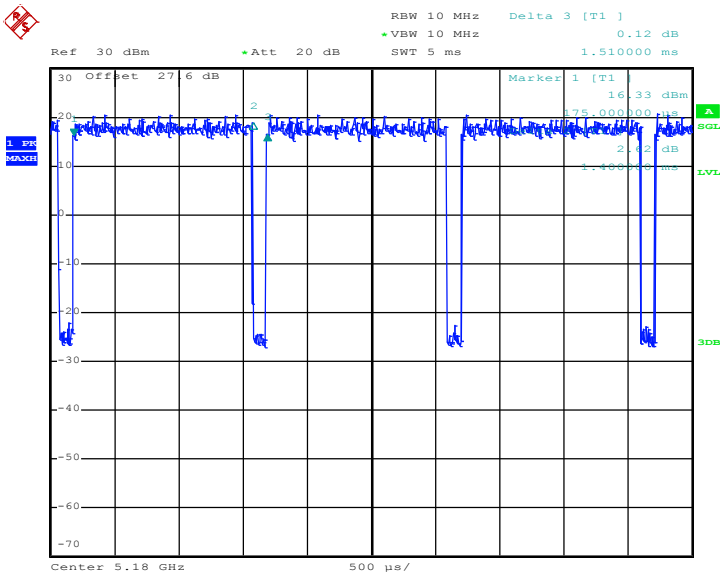
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
2	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6) HORIZONTAL Detector : Peak Project : 8N2215-02 Mode : 40	 Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6) VERTICAL Detector : Peak Project : 8N2215-02 Mode : 40

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	5GHz 802.11a	92.72	1400	0.71	1kHz	0.33
2	5GHz 802.11a	92.72	1400	0.71	1kHz	0.33
1	5GHz 802.11n HT20	91.55	1300	0.77	1kHz	0.38
2	5GHz 802.11n HT20	91.55	1300	0.77	1kHz	0.38
1	5GHz 802.11n HT40	86.18	655	1.53	3kHz	0.65
2	5GHz 802.11n HT40	85.56	646	1.55	3kHz	0.68
1	5GHz 802.11ac VHT20	91.61	1310	0.76	1kHz	0.38
2	5GHz 802.11ac VHT20	91.61	1310	0.76	1kHz	0.38
1	5GHz 802.11ac VHT40	85.92	653	1.53	3kHz	0.66
2	5GHz 802.11ac VHT40	85.06	655	1.53	3kHz	0.70
1	5GHz 802.11ac VHT80	74.07	320	3.13	10kHz	1.30
2	5GHz 802.11acV HT80	74.07	320	3.13	10kHz	1.30

<Ant. 1>

802.11a



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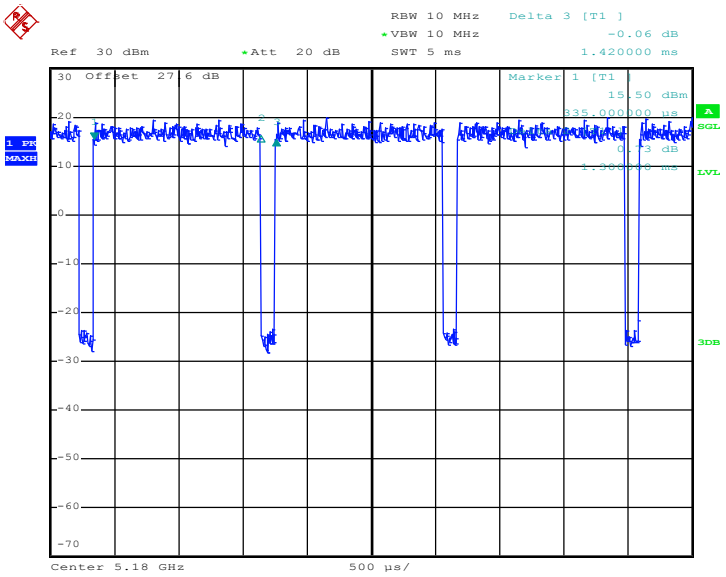
802.11n HT20



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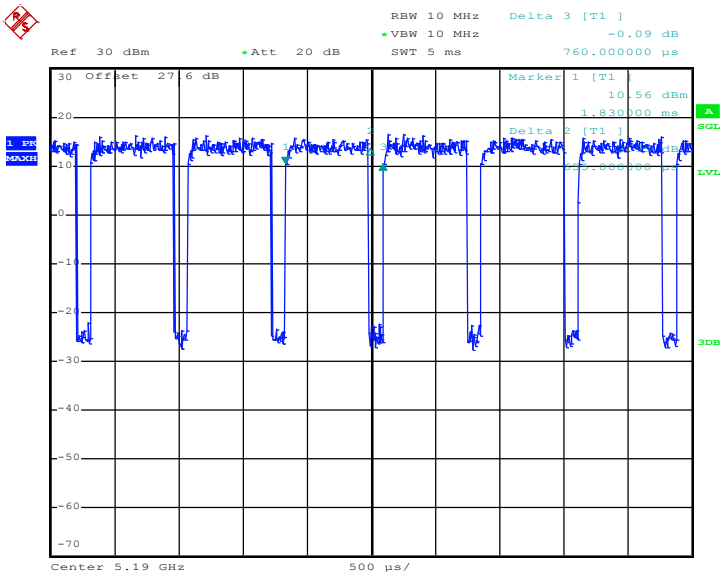

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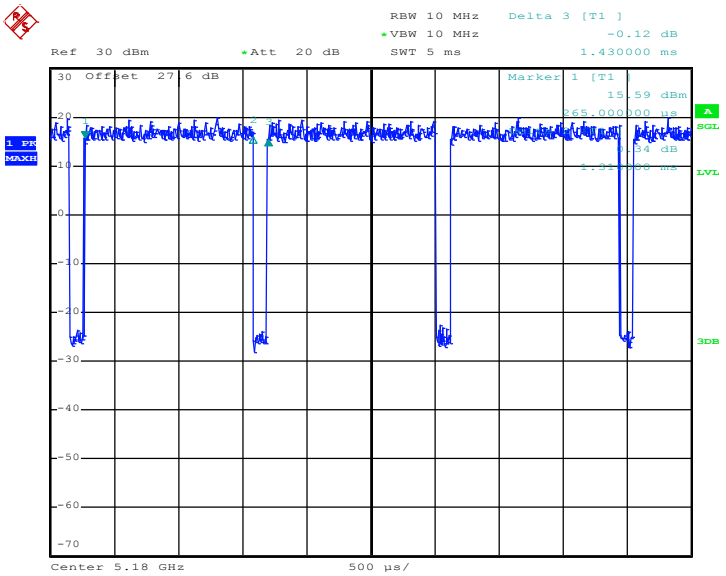

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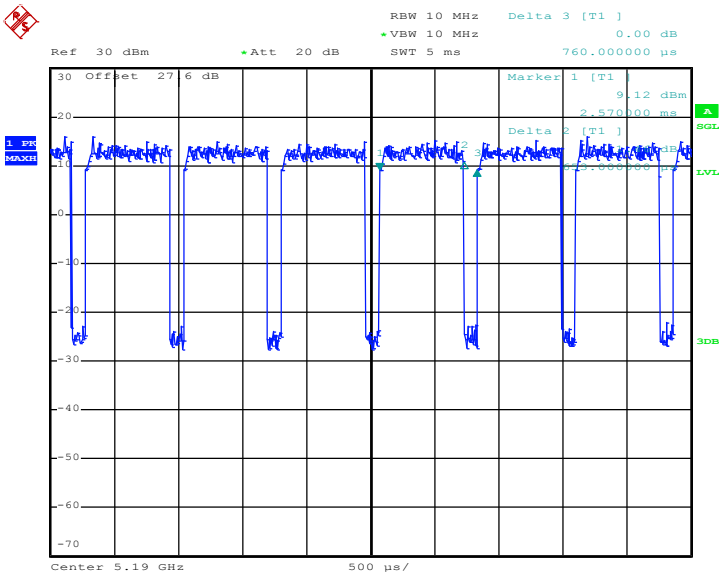

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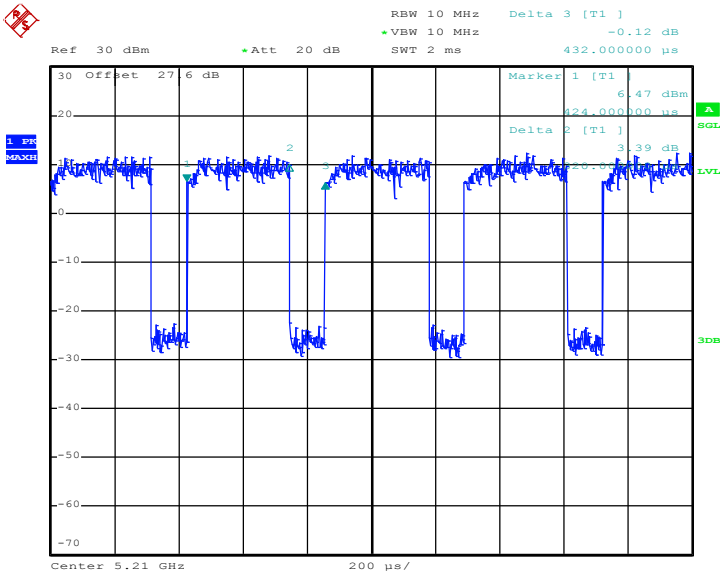

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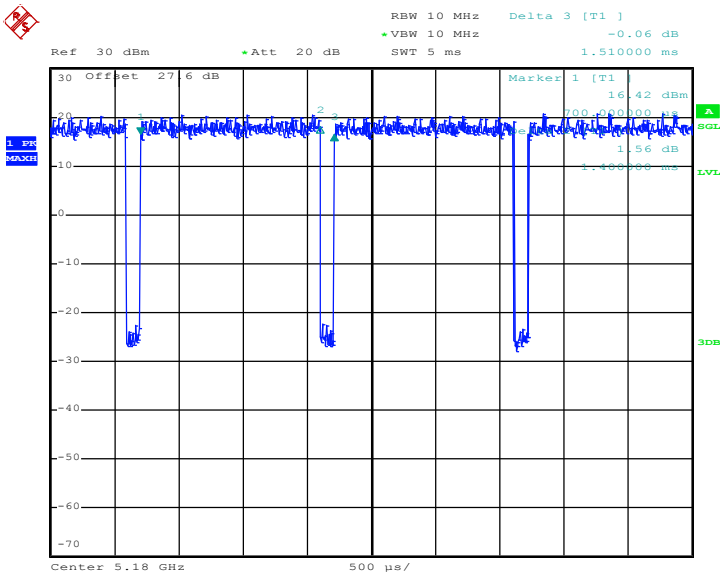
802.11a



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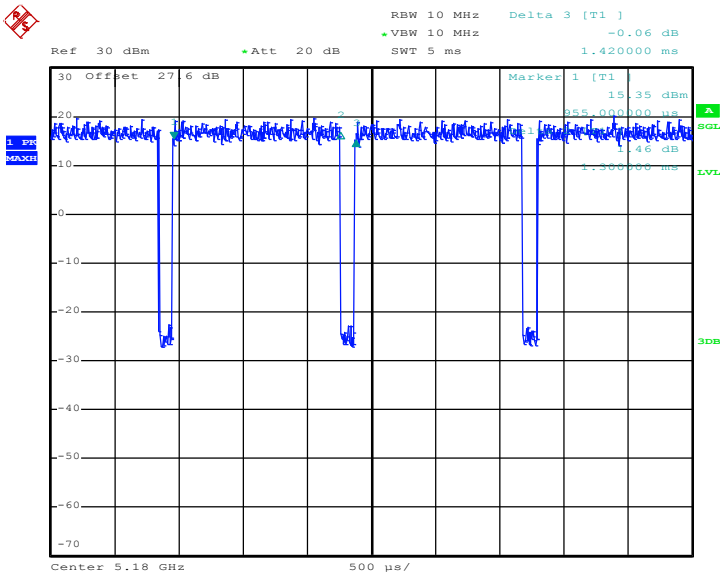

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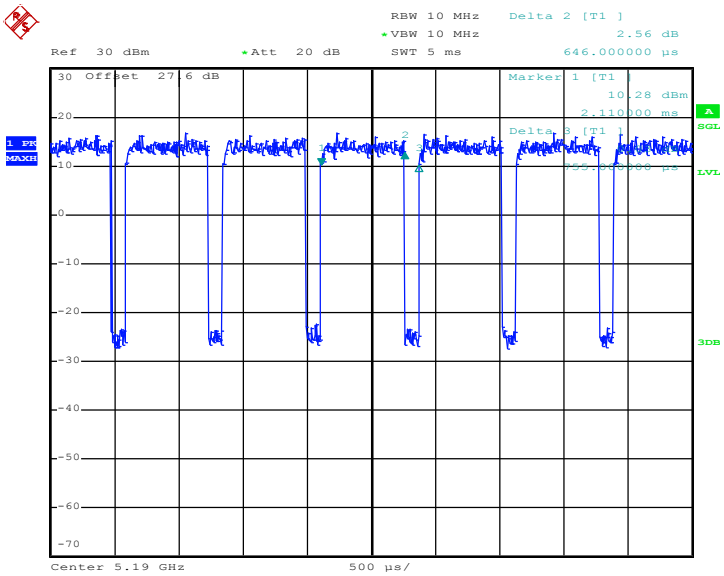

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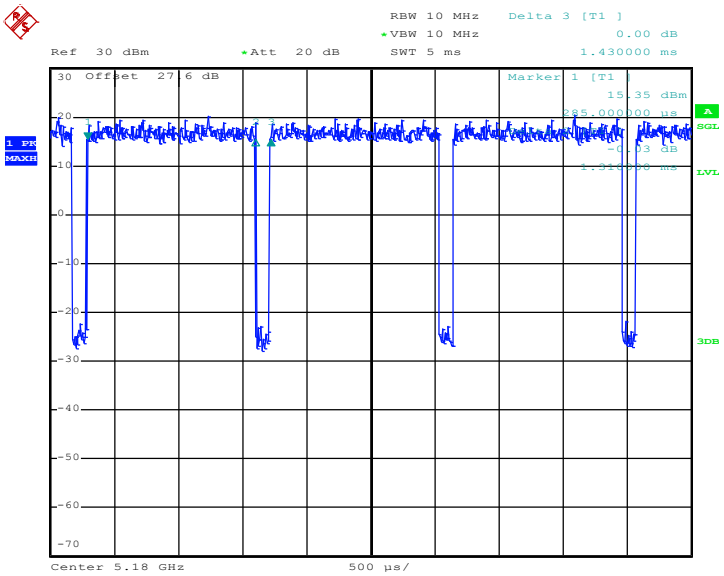

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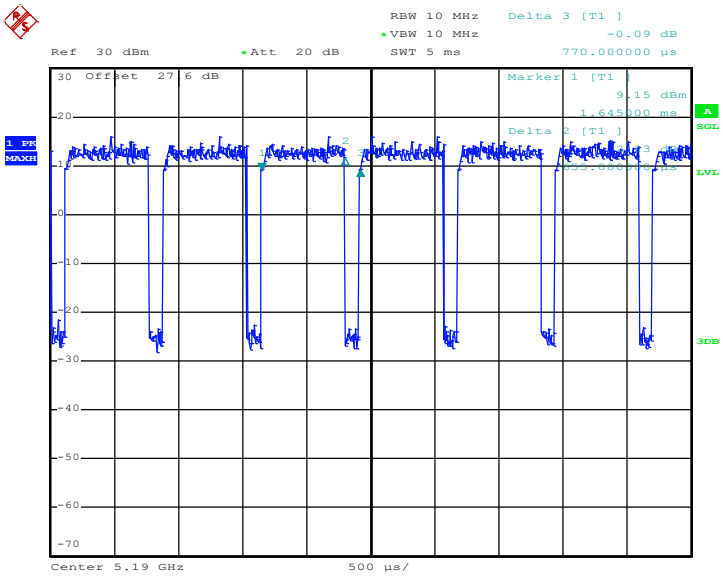

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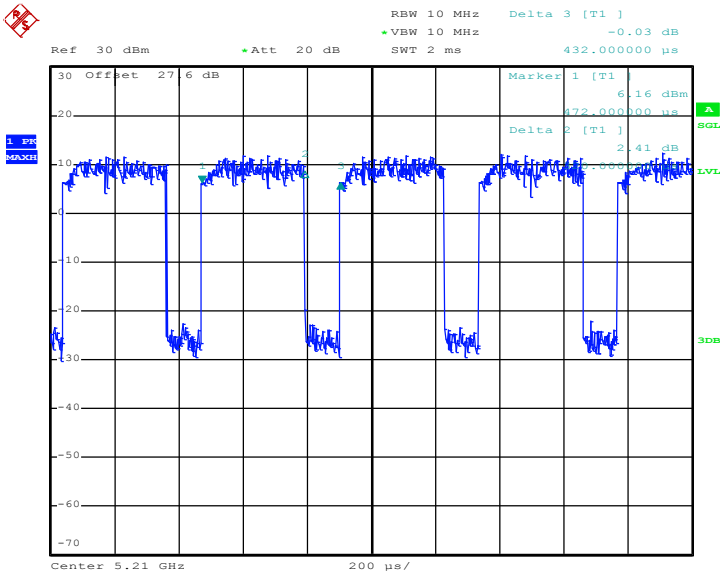

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——THE END——