FCC RADIO TEST REPORT

FCC ID	:	**2ARGE-6383**
Equipment	:	**Digital Media Receiver**
Model name	:	**O2T2V3**
Applicant	:	**Flake LLC** **4321 W. College Avenue; Suite 200** **Appleton, Wisconsin 54914**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jan. 22, 2019 and testing was started from Apr. 26, 2019 and completed on Jul. 15, 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.

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
FR8O0521-02F	01	Initial issue of report	Jul. 24, 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
0	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: Ann Lee

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	O2T2V3
FCC ID	2ARGE-6383
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE Zigbee

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power <CDD Modes>	**<Ant. 0>** 802.11a : 18.60 dBm / 0.0724 W 802.11n HT20 : 18.70 dBm / 0.0741 W 802.11n HT40 : 18.00 dBm / 0.0631 W 802.11ac VHT20: 18.60 dBm / 0.0724 W 802.11ac VHT40: 17.90 dBm / 0.0617 W 802.11ac VHT80: 17.40 dBm / 0.0550 W **<Ant. 1>** 802.11a : 18.40 dBm / 0.0692 W 802.11n HT20 : 18.70 dBm / 0.0741 W 802.11n HT40 : 17.60 dBm / 0.0575 W 802.11ac VHT20: 18.60 dBm / 0.0724 W 802.11ac VHT40: 17.50 dBm / 0.0562 W 802.11ac VHT80: 16.30 dBm / 0.0427 W **<Ant. 2>** 802.11a : 19.20 dBm / 0.0832 W 802.11n HT20 : 19.20 dBm / 0.0832 W 802.11ac VHT20: 19.10 dBm / 0.0813 W **MIMO<Ant. 0+1>** 802.11a : 21.00 dBm / 0.1259 W 802.11n HT20 : 20.94 dBm / 0.1242 W 802.11n HT40 : 20.71 dBm / 0.1178 W 802.11ac VHT20: 20.88 dBm / 0.1225 W 802.11ac VHT40: 20.66 dBm / 0.1164 W 802.11ac VHT80: 18.81 dBm / 0.0760 W
Maximum Output Power to Antenna <TXBF Modes>	**MIMO<Ant. 0+1>** 802.11ac VHT20 : 16.52 dBm / 0.0449 W 802.11ac VHT40 : 15.91 dBm / 0.0390 W 802.11ac VHT80 : 17.38 dBm / 0.0547 W

<table>
<tr><th colspan="2">Standards-related Product Specification</th></tr>
<tr><td>99% Occupied Bandwidth
<CDD Modes></td><td><Ant. 0>
802.11a : 23.10 MHz
802.11n HT20 : 25.05 MHz
802.11n HT40 : 38.80 MHz
802.11ac VHT80 : 78.36 MHz
<Ant. 1>
802.11a : 25.15 MHz
802.11n HT20 : 26.35 MHz
802.11n HT40 : 43.90 MHz
802.11ac VHT80 : 78.48 MHz
<Ant. 2>
802.11a : 25.80 MHz
802.11n HT20 : 26.55 MHz
MIMO <Ant. 0>
802.11a : 23.50 MHz
802.11n HT20 : 24.35 MHz
802.11n HT40 : 41.30 MHz
802.11ac VHT80 : 77.64 MHz
MIMO <Ant. 1>
802.11a : 23.95 MHz
802.11n HT20 : 25.20 MHz
802.11n HT40 : 48.30 MHz
802.11ac VHT80 : 78.00 MHz</td></tr>
<tr><td>99% Occupied Bandwidth
<TXBF Modes></td><td>MIMO<Ant. 0>
802.11ac VHT20 : 17.85 MHz
802.11ac VHT40 : 37.00 MHz
802.11ac VHT80 : 78.24 MHz
MIMO<Ant. 1>
802.11ac VHT20 : 18.20 MHz
802.11ac VHT40 : 36.30 MHz
802.11ac VHT80 : 75.24 MHz</td></tr>
<tr><td>Antenna Gain / Gain</td><td>Ant. 0: PCB IFA Antenna with gain 5.0 dBi
Ant. 1: PCB IFA Antenna with gain 4.7 dBi
Ant. 2: PCB IFA Antenna with gain 6.2 dBi</td></tr>
<tr><td>Antenna Function Description</td><td>
<table>
<tr><th></th><th>Ant. 0</th><th>Ant. 1</th><th>Ant. 2</th></tr>
<tr><td>802.11 a/n/ac</td><td>V</td><td>V</td><td>V</td></tr>
<tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td><td>-</td></tr>
<tr><td>802.11ac TXBF</td><td>V</td><td>V</td><td>-</td></tr>
</table>
</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)</td></tr>
</table>

Remark: MIMO Ant. 0+1 is a calculated result from sum of the power MIMO Ant. 0 and MIMO Ant. 1.

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

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH16-HY

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

FCC designation No.: TW1190 and TW0007

1.5 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

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

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in two setup, without accessories and with accessories. The worst cases (without accessories) 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.

Single Mode

<Ant. 0> and <Ant. 1>

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

<Ant. 2>

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

MIMO Mode

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

TXBF Mode

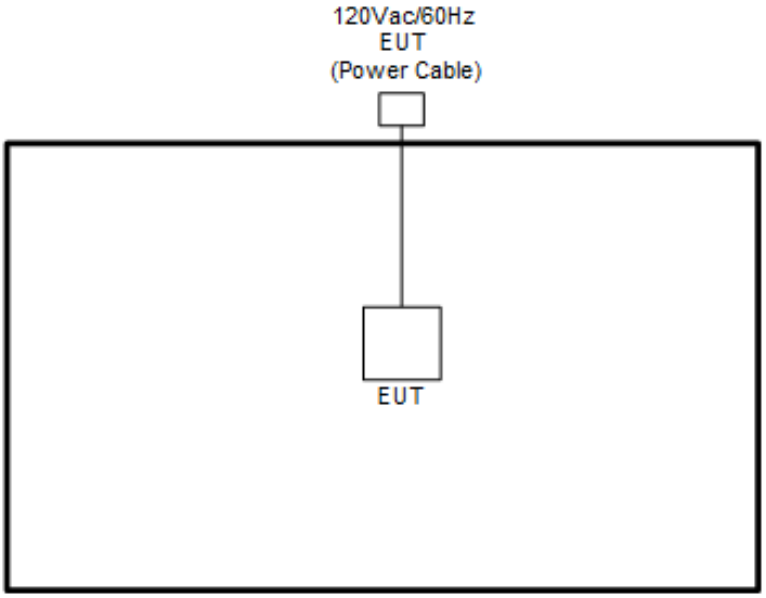
Modulation	Data Rate
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN 1 (5GHz) Link with AP + WLAN 2 (5GHz) Link with Notebook + Bluetooth Link + Zigbee Link + Play Audio from Bluetooth Phone

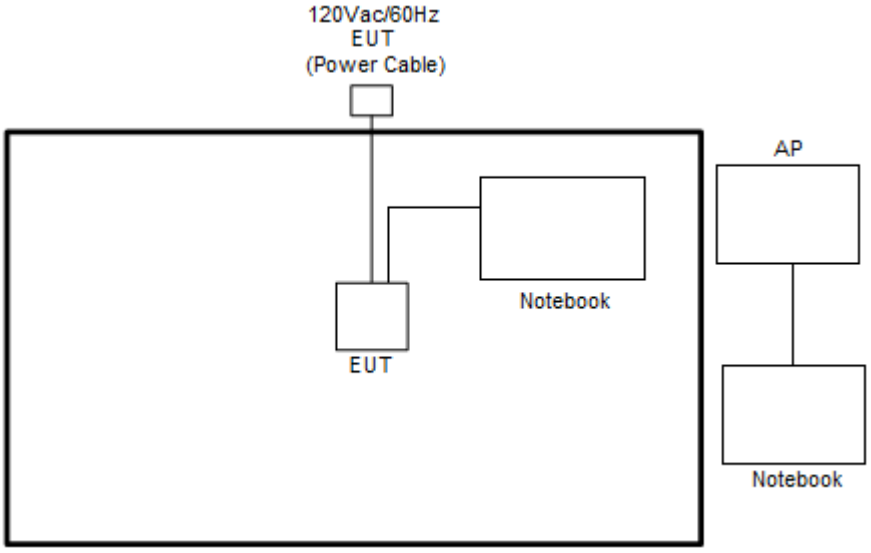
Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

2.3 Connection Diagram of Test System

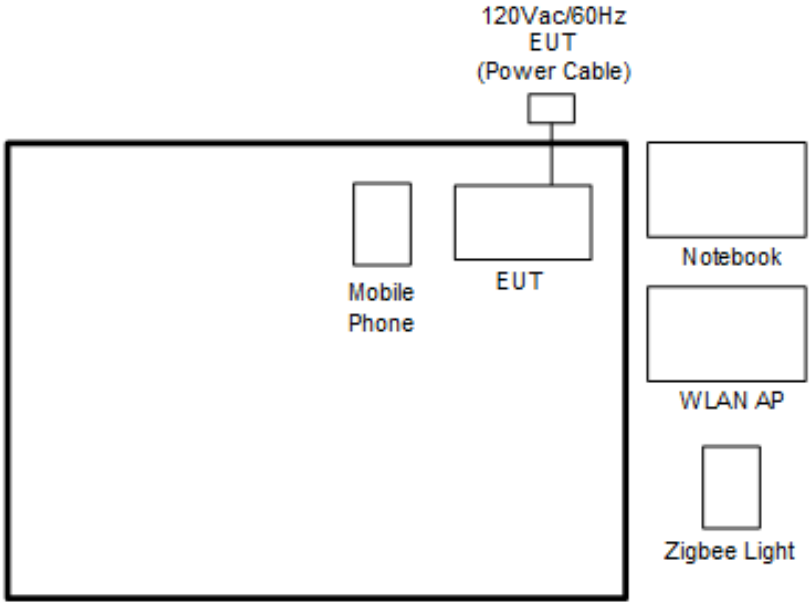
<CDD Mode>



<TXBF 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	Net Gear	R7000	FCC DoC	N/A	Unshielded,1.8m
2.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Notebook	DELL	Latitude E5570	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Mobile Phone	Apple	A1524	FCC DoC	N/A	N/A
5.	Zigbee light	OSRAM	73674	DZO-IQHOME	N/A	N/A
6.	Notebook	Lenovo	LAPTOP-J4S01QMP	FCC DoC	N/A	N/A
7.	AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “Compliance.exe Version 1.0.0.50” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “adb” software tool was used to enable the EUT to transmit signals continuously.

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.

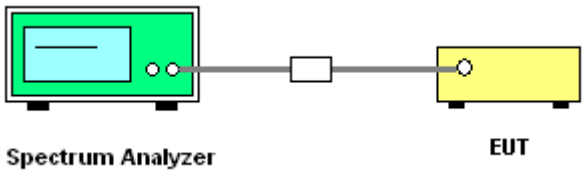
3.1.2 Measuring Instruments

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

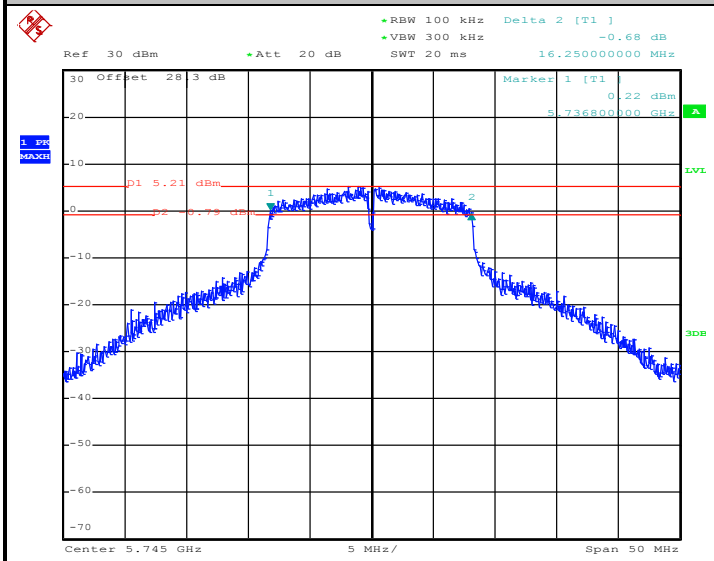


3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

<CDD Mode>

Minimum 6dB Bandwidth



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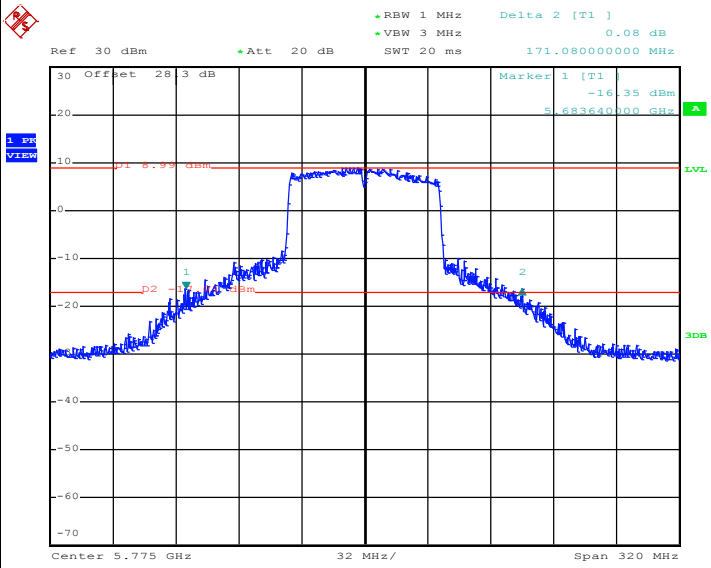
Maximum 26dB Bandwidth



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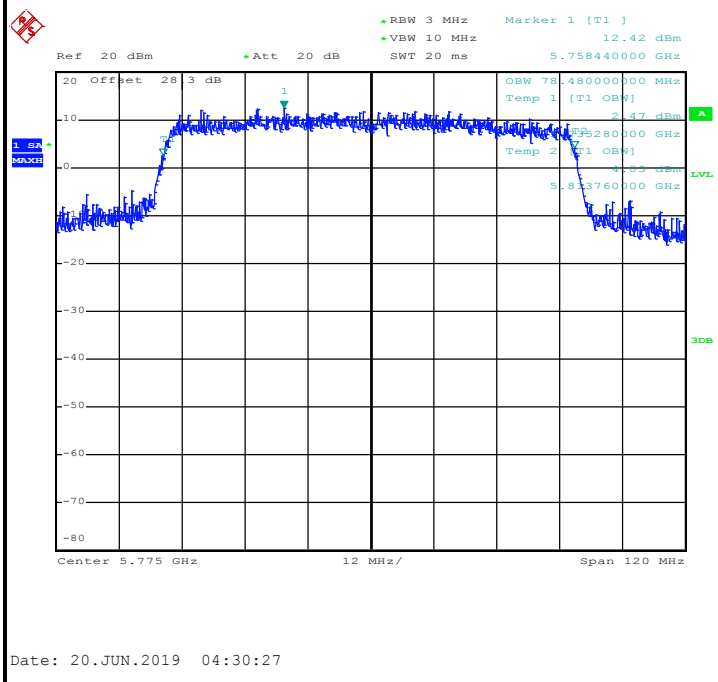
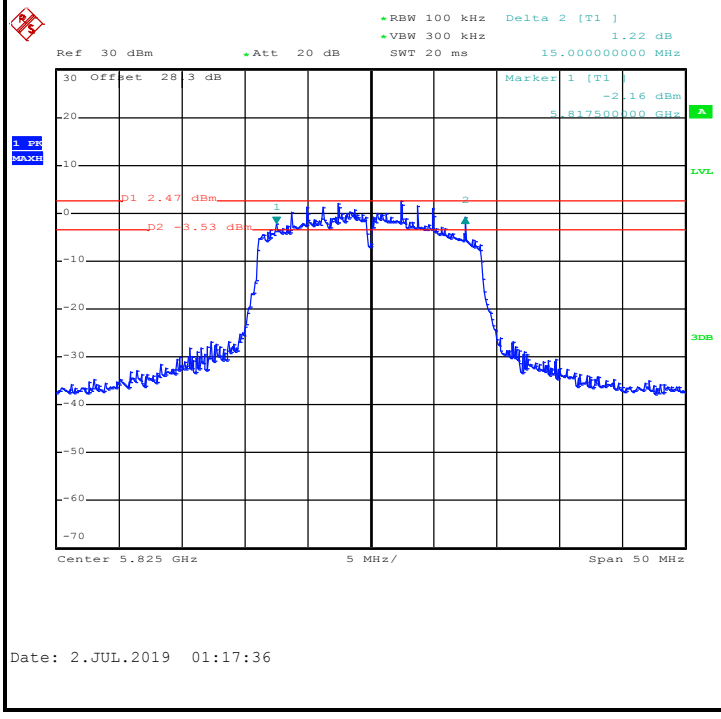
Maximum 99% Occupied Bandwidth



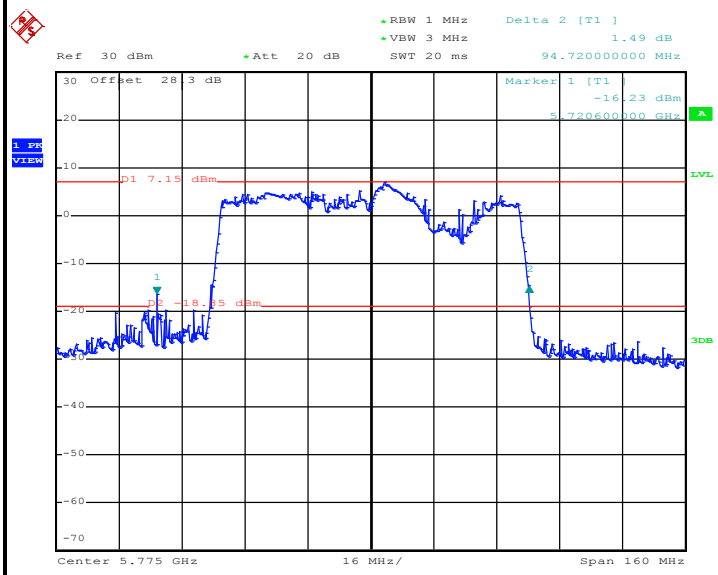
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<TXBF Modes>

Minimum 6dB Bandwidth



Maximum 26dB Bandwidth



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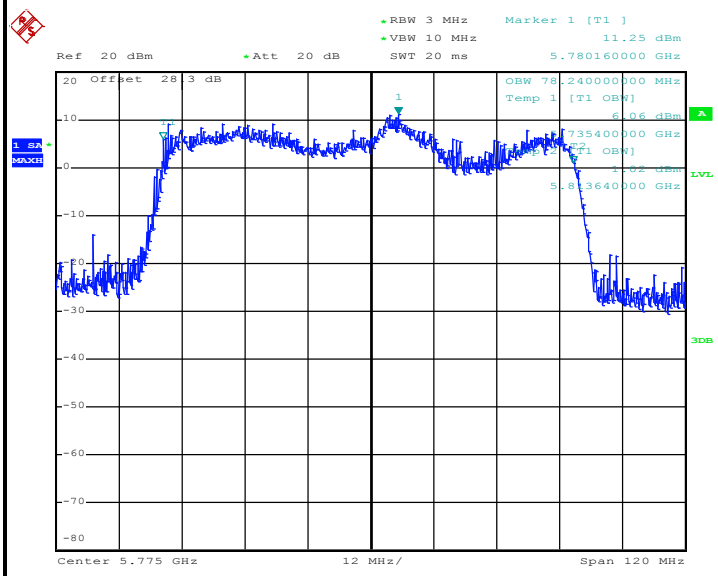
Maximum 99% Occupied Bandwidth



Date: 2.JUL.2019 02:26:45

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

<CDD Modes>

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.

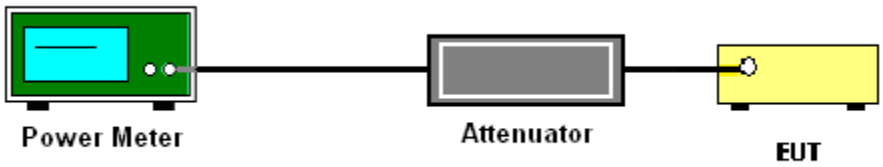
<TXBF Modes>

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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.

<CDD Modes>

 # 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.

<TXBF Modes>

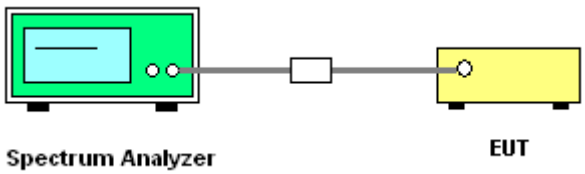
 # Method SA-3 #

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

- 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 ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Method (c): Measure and add 10 log(N_{ANT}) dB.
   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than 1/N_{ANT} th of the PSD limit.

3.3.4 Test Setup

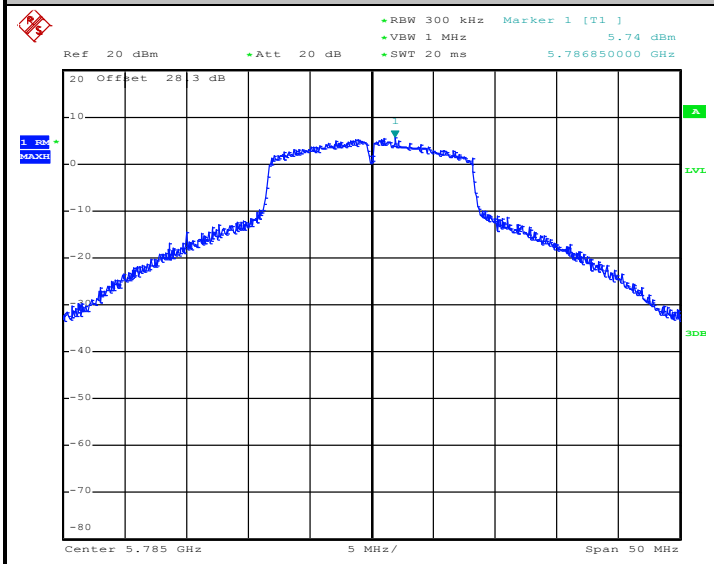


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<CDD Modes>

Worst Case Power Density (dBm/MHz) for MIMO Ant. 0



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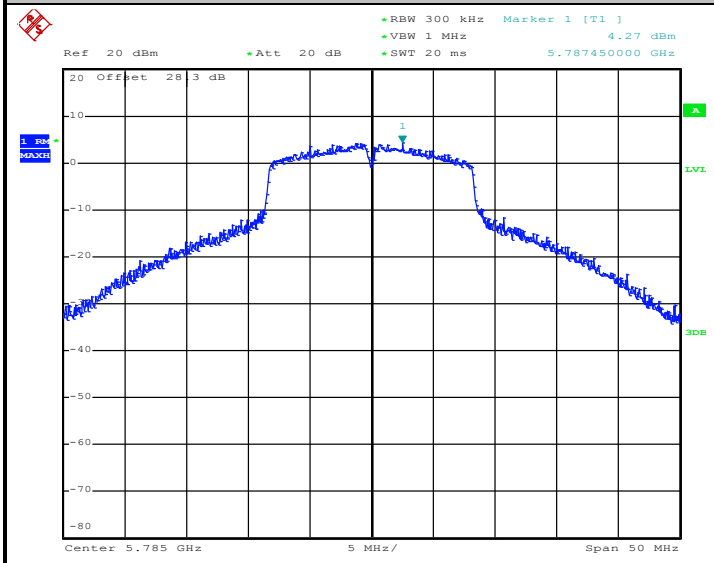
Worst Case Power Density (dBm/MHz) for MIMO Ant.1



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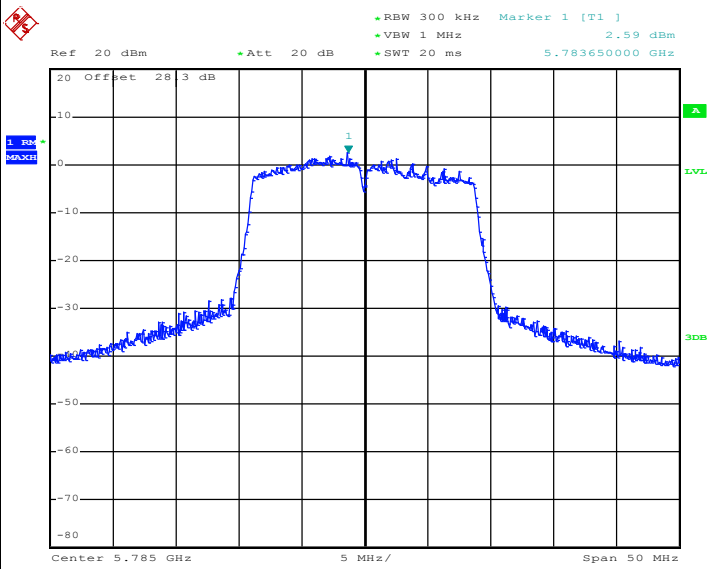
<TXBF Modes>

Worst Case Power Density (dBm/MHz) for MIMO Ant. 0



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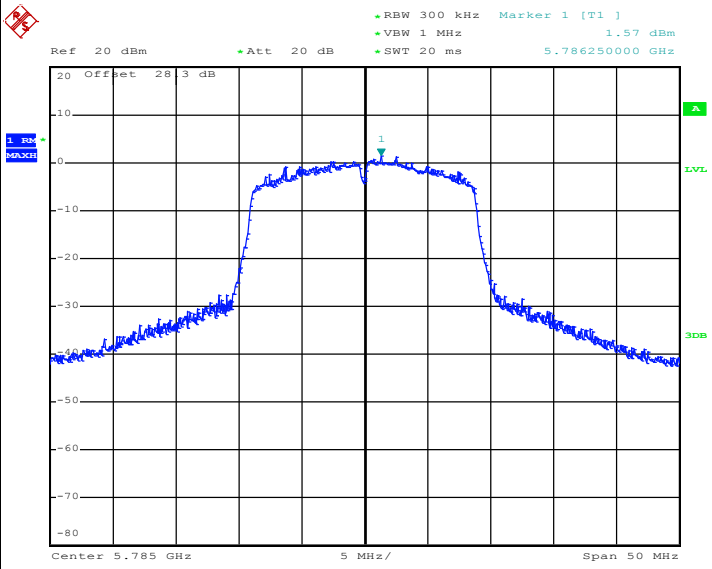
Worst Case Power Density (dBm/MHz) for MIMO Ant. 1



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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

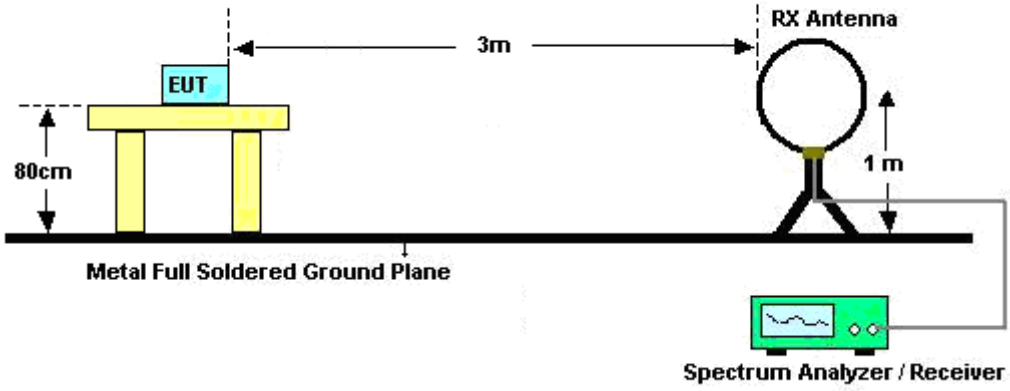
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

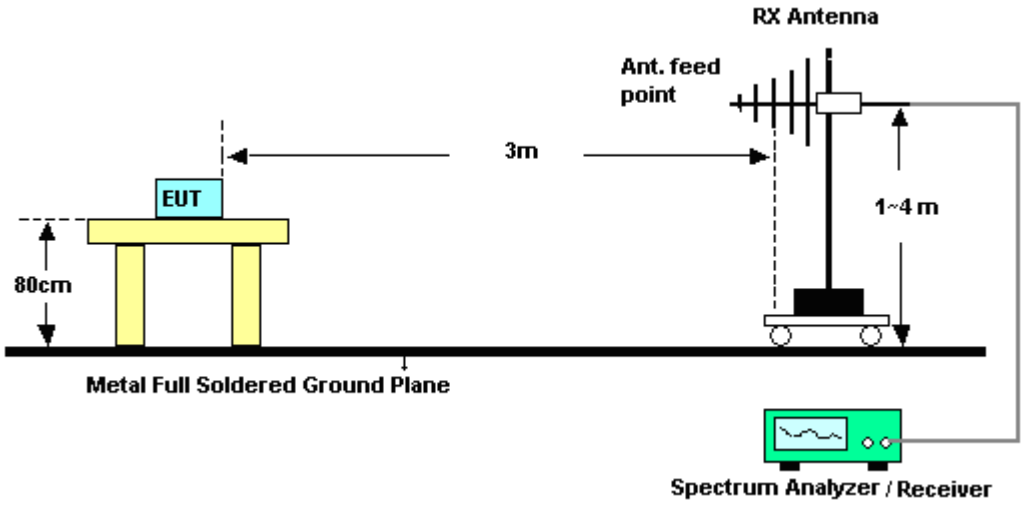
3.4.4 Test Setup

For radiated emissions below 30MHz

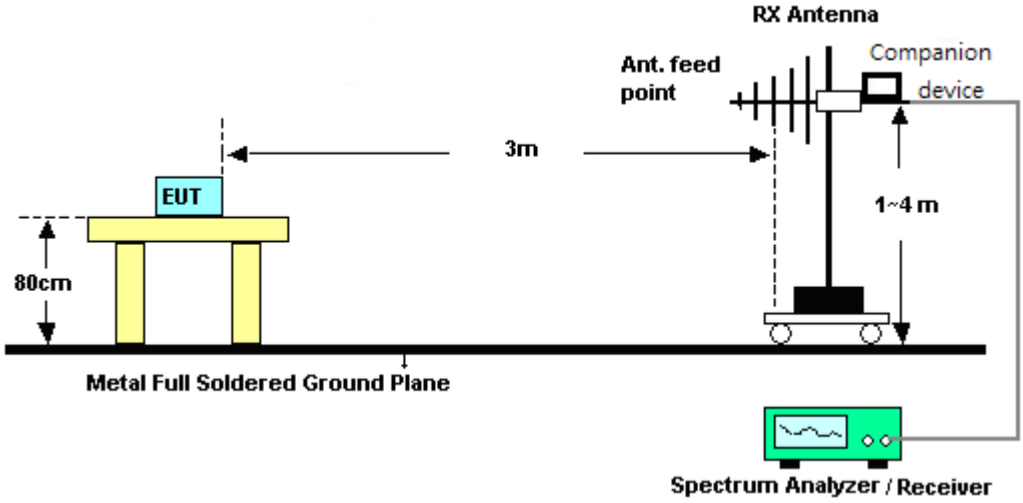


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

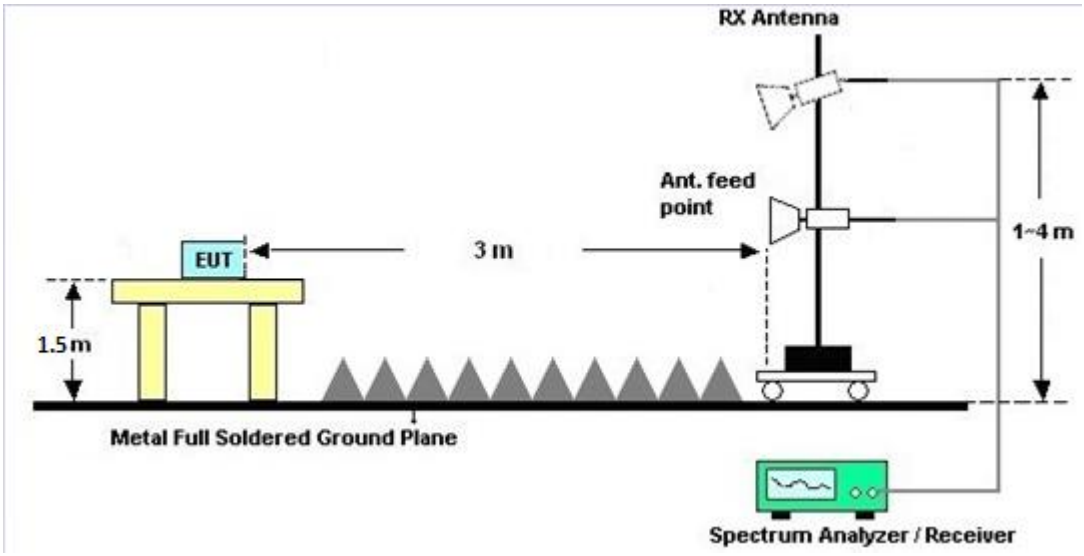


<TXBF Modes>

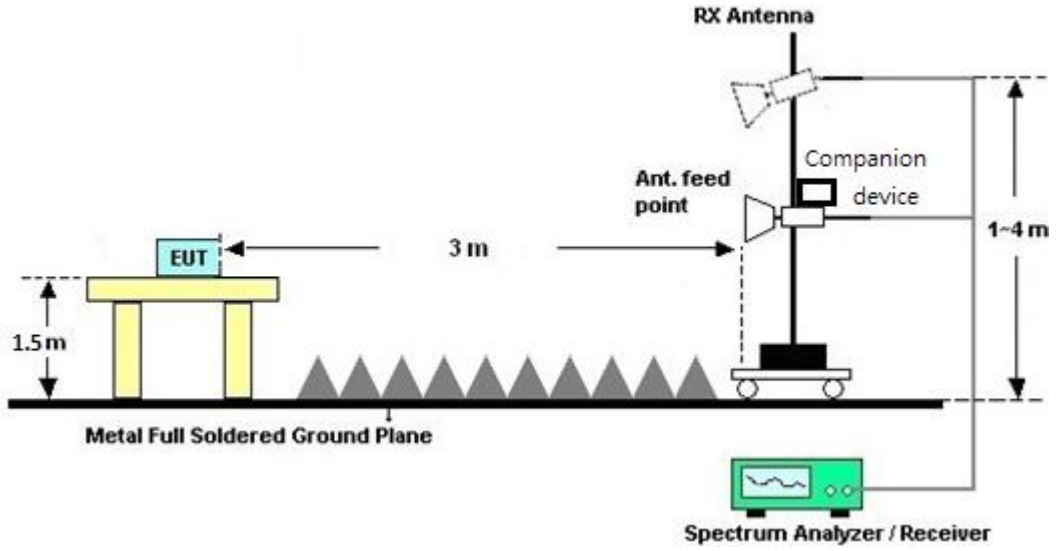


For radiated emissions above 1GHz

<CDD Mode>



<TXBF Modes>



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.

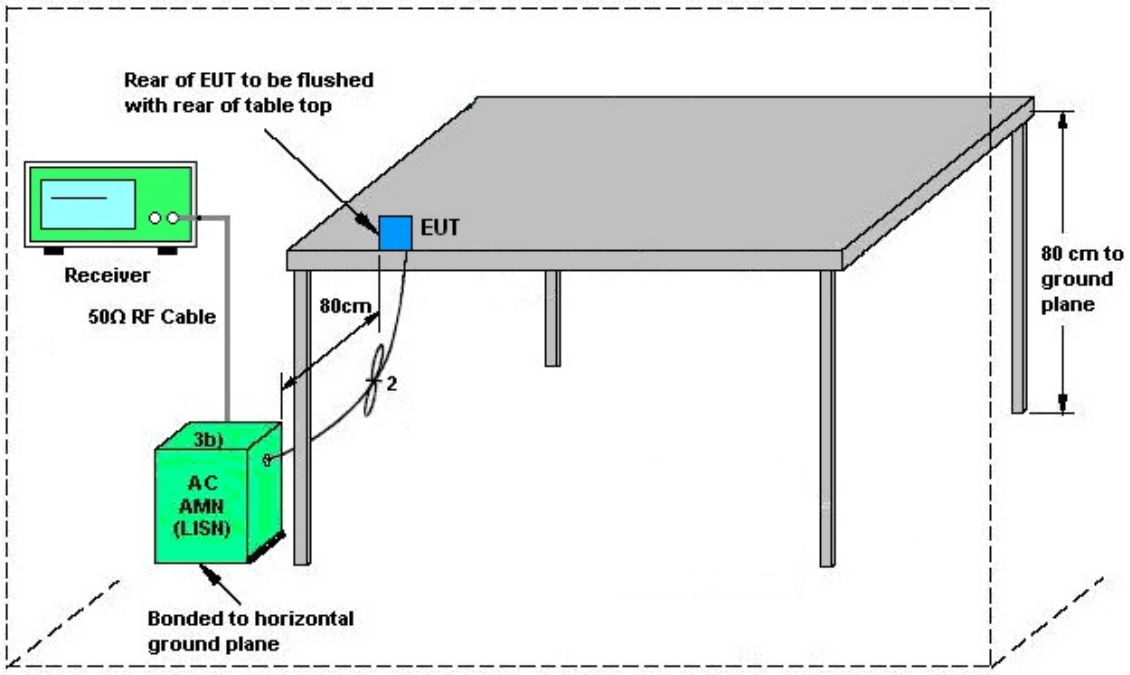
3.5.2 Measuring Instruments

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.

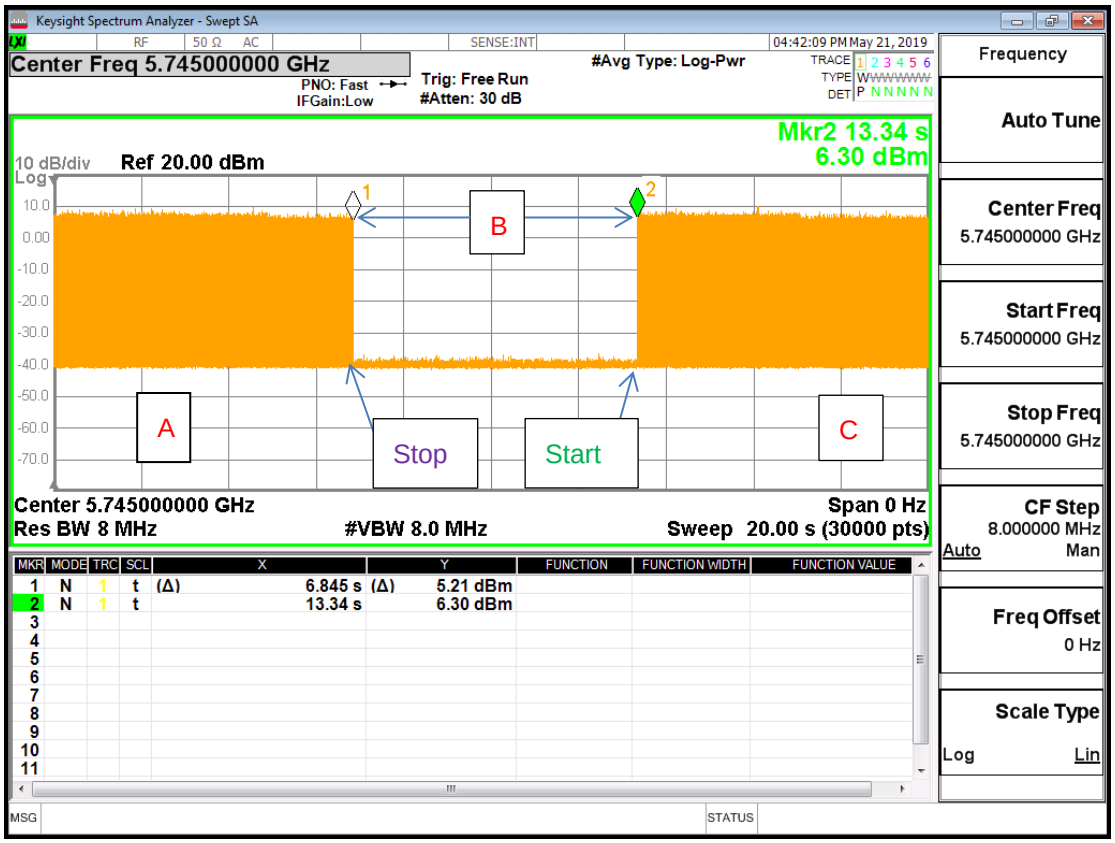
B. Information stop: stop supplying information to the access point.

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

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain “DG” is calculated as following table.

<CDD Modes>

	Ant. 0 (dBi)	Ant. 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	5.00	4.70	5.00	7.86	0.00	1.86

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

TXBF modes

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F)2)e)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain “DG” is calculated as following table.

	Ant. 0 (dBi)	Ant. 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band IV	5.00	4.70	7.86	7.86	1.86	1.86

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Keysight	N9010A	MY56070412	10Hz~7GHz	Aug. 16, 2018	May 21, 2019	Aug. 15, 2019	DFS (DFS02-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 10, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Jul. 10, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Jul. 10, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Jul. 10, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 10, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Jul. 10, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Jul. 10, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 11, 2019	May 01, 2019~ Jul. 05, 2019	Jan. 10, 2020	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&00802N1D01N-06	47020&06	30MHz to 1GHz	Oct. 13, 2018	May 01, 2019~ Jul. 05, 2019	Oct. 12, 2019	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Sep. 07, 2018	May 01, 2019~ Jul. 05, 2019	Sep. 06, 2019	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz ~ 40GHz	Nov. 20, 2018	May 01, 2019~ Jul. 05, 2019	Nov. 19, 2019	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1000MHz	Oct. 02. 2018	May 01, 2019~ Jul. 05, 2019	Oct. 01. 2019	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055007	1GHz~18GHz	Apr. 01, 2019	May 01, 2019~ Jul. 05, 2019	Mar. 31, 2020	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 12, 2018	May 01, 2019~ Jul. 05, 2019	Dec. 11, 2019	Radiation (03CH16-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	May 01, 2019~ Jul. 05, 2019	Jul. 15, 2019	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY57290111	3Hz~26.5GHz	Nov. 29, 2018	May 01, 2019~ Jul. 05, 2019	Nov. 28, 2019	Radiation (03CH16-HY)
Spectrum Analyzer	Agilent	N9010A	MY54200486	10Hz~44GHz	Oct. 19, 2018	May 01, 2019~ Jul. 05, 2019	Oct. 18, 2019	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	MY1082/26EA	30M-18G	Oct. 15, 2018	May 01, 2019~ Jul. 05, 2019	Oct. 14, 2019	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15539/4	30M-18G	Feb. 26, 2019	May 01, 2019~ Jul. 05, 2019	Feb. 25, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M~18GHz	Apr. 15, 2019	May 01, 2019~ Jul. 05, 2019	Apr. 14, 2020	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	May 01, 2019~ Jul. 05, 2019	N/A	Radiation (03CH16-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
<CDD Mode>								
Power Sensor	DARE	RPR3006W	13I00030SNO32	9kHz~6GHz	Dec. 03, 2018	Apr. 26, 2019~ Jul. 15, 2019	Dec. 02, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 21, 2018	Apr. 26, 2019~ Jul. 15, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Apr. 26, 2019~ Jul. 15, 2019	Mar. 26, 2020	Conducted (TH05-HY)
<TXBF Mode>								
Power Sensor	DARE	RPR3006W	16I00054SNO10	10MHz~6GHz	Dec. 19, 2018	Jun. 13, 2019~ Jul. 09, 2019	Dec. 18, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 21, 2018	Jun. 13, 2019~ Jul. 09, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	EM	EMSW18	SW1070903	N/A	Dec. 19, 2018	Jun. 13, 2019~ Jul. 09, 2019	Dec. 18, 2019	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.20**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.90**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.80**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.90**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Richard Qiu / Luffy Lin / AnAn Wu	Temperature:	21~25	°C
Test Date:	2019/4/26~2019/7/15	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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	149	5745	17.25	22.55	39.55	42.40	16.30	16.30	0.5	Pass
11a	6Mbps	1	157	5785	18.90	23.65	40.25	43.90	16.30	16.35	0.5	Pass
11a	6Mbps	1	165	5825	23.10	25.15	42.90	45.15	16.30	16.30	0.5	Pass
HT20	MCS0	1	149	5745	20.85	24.55	41.80	45.35	17.55	17.55	0.5	Pass
HT20	MCS0	1	157	5785	20.75	25.20	41.25	47.05	17.55	17.65	0.5	Pass
HT20	MCS0	1	165	5825	25.05	26.35	46.05	47.25	17.60	17.55	0.5	Pass
HT40	MCS0	1	151	5755	38.80	38.60	84.66	89.82	36.36	36.36	0.5	Pass
HT40	MCS0	1	159	5795	38.20	43.90	81.62	88.92	36.23	36.30	0.5	Pass
VHT80	MCS0	1	155	5775	78.36	78.48	171.08	166.72	76.60	76.48	0.5	Pass
11a	6Mbps	2	149	5745	18.60	21.95	41.00	41.90	16.25	16.30	0.5	Pass
11a	6Mbps	2	157	5785	22.30	23.15	42.25	42.20	16.30	16.35	0.5	Pass
11a	6Mbps	2	165	5825	23.50	23.95	42.80	41.75	16.40	16.35	0.5	Pass
HT20	MCS0	2	149	5745	19.95	23.85	43.30	45.70	17.55	17.50	0.5	Pass
HT20	MCS0	2	157	5785	19.80	25.20	42.90	46.80	17.60	17.60	0.5	Pass
HT20	MCS0	2	165	5825	24.35	24.90	46.50	48.65	17.60	17.60	0.5	Pass
HT40	MCS0	2	151	5755	37.60	40.10	84.11	84.72	36.36	36.36	0.5	Pass
HT40	MCS0	2	159	5795	41.30	48.30	90.62	91.77	36.36	36.09	0.5	Pass
VHT80	MCS0	2	155	5775	77.64	78.00	146.40	161.70	76.48	76.48	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	149	5745	18.30	17.60		30.00	30.00	5.00	4.70	Pass
11a	6Mbps	1	157	5785	18.30	17.90		30.00	30.00	5.00	4.70	Pass
11a	6Mbps	1	165	5825	18.60	18.40		30.00	30.00	5.00	4.70	Pass
HT20	MCS0	1	149	5745	18.30	17.50		30.00	30.00	5.00	4.70	Pass
HT20	MCS0	1	157	5785	18.20	17.80		30.00	30.00	5.00	4.70	Pass
HT20	MCS0	1	165	5825	18.70	18.70		30.00	30.00	5.00	4.70	Pass
HT40	MCS0	1	151	5755	18.00	17.30		30.00	30.00	5.00	4.70	Pass
HT40	MCS0	1	159	5795	17.90	17.60		30.00	30.00	5.00	4.70	Pass
VHT20	MCS0	1	149	5745	18.20	17.40		30.00	30.00	5.00	4.70	Pass
VHT20	MCS0	1	157	5785	18.10	17.70		30.00	30.00	5.00	4.70	Pass
VHT20	MCS0	1	165	5825	18.60	18.60		30.00	30.00	5.00	4.70	Pass
VHT40	MCS0	1	151	5755	17.90	17.20		30.00	30.00	5.00	4.70	Pass
VHT40	MCS0	1	159	5795	17.80	17.50		30.00	30.00	5.00	4.70	Pass
VHT80	MCS0	1	155	5775	17.40	16.30		30.00	30.00	5.00	4.70	Pass
11a	6Mbps	2	149	5745	18.00	16.80	20.45	30.00		5.00		Pass
11a	6Mbps	2	157	5785	18.40	17.20	20.85	30.00		5.00		Pass
11a	6Mbps	2	165	5825	18.50	17.40	21.00	30.00		5.00		Pass
HT20	MCS0	2	149	5745	18.10	17.20	20.68	30.00		5.00		Pass
HT20	MCS0	2	157	5785	17.90	17.50	20.71	30.00		5.00		Pass
HT20	MCS0	2	165	5825	18.40	17.40	20.94	30.00		5.00		Pass
HT40	MCS0	2	151	5755	17.70	17.40	20.56	30.00		5.00		Pass
HT40	MCS0	2	159	5795	17.90	17.50	20.71	30.00		5.00		Pass
VHT20	MCS0	2	149	5745	18.10	17.10	20.64	30.00		5.00		Pass
VHT20	MCS0	2	157	5785	17.80	17.50	20.66	30.00		5.00		Pass
VHT20	MCS0	2	165	5825	18.30	17.40	20.88	30.00		5.00		Pass
VHT40	MCS0	2	151	5755	17.70	17.30	20.51	30.00		5.00		Pass
VHT40	MCS0	2	159	5795	17.80	17.50	20.66	30.00		5.00		Pass
VHT80	MCS0	2	155	5775	16.00	15.60	18.81	30.00		5.00		Pass

Report Number : FR8O0521-02F

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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	149	5745	0.00	0.00	2.22	2.22	6.86	7.32		30.00	30.00	5.00	4.70	Pass
11a	6Mbps	1	157	5785	0.00	0.00	2.22	2.22	7.42	7.13		30.00	30.00	5.00	4.70	Pass
11a	6Mbps	1	165	5825	0.00	0.00	2.22	2.22	7.91	7.45		30.00	30.00	5.00	4.70	Pass
HT20	MCS0	1	149	5745	0.00	0.00	2.22	2.22	7.78	7.59		30.00	30.00	5.00	4.70	Pass
HT20	MCS0	1	157	5785	0.00	0.00	2.22	2.22	7.40	7.41		30.00	30.00	5.00	4.70	Pass
HT20	MCS0	1	165	5825	0.00	0.00	2.22	2.22	7.80	6.93		30.00	30.00	5.00	4.70	Pass
HT40	MCS0	1	151	5755	0.00	0.00	2.22	2.22	4.12	2.44		30.00	30.00	5.00	4.70	Pass
HT40	MCS0	1	159	5795	0.00	0.00	2.22	2.22	3.70	3.04		30.00	30.00	5.00	4.70	Pass
VHT80	MCS0	1	155	5775	0.00	0.00	2.22	2.22	-0.27	-1.49		30.00	30.00	5.00	4.70	Pass
11a	6Mbps	2	149	5745	0.00	0.00	2.22		6.84	7.26	10.27	28.14		7.86		Pass
11a	6Mbps	2	157	5785	0.00	0.00	2.22		7.96	6.49	10.97	28.14		7.86		Pass
11a	6Mbps	2	165	5825	0.00	0.00	2.22		7.24	6.24	10.25	28.14		7.86		Pass
HT20	MCS0	2	149	5745	0.00	0.00	2.22		7.07	7.20	10.21	28.14		7.86		Pass
HT20	MCS0	2	157	5785	0.00	0.00	2.22		7.07	7.13	10.14	28.14		7.86		Pass
HT20	MCS0	2	165	5825	0.00	0.00	2.22		6.83	7.57	10.58	28.14		7.86		Pass
HT40	MCS0	2	151	5755	0.00	0.00	2.22		2.59	3.03	6.04	28.14		7.86		Pass
HT40	MCS0	2	159	5795	0.00	0.00	2.22		3.42	3.15	6.43	28.14		7.86		Pass
VHT80	MCS0	2	155	5775	0.00	0.00	2.22		-1.89	-2.06	1.12	28.14		7.86		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

<Ant. 2>

Test Engineer:	Richard Qiu /Luffy Lin	Temperature:	21~25	°C
Test Date:	2019/4/26~2019/6/27	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 2	Ant 2	Ant 2		
11a	6Mbps	1	149	5745	25.50	46.10	16.35	0.5	Pass
11a	6Mbps	1	157	5785	25.00	43.75	16.35	0.5	Pass
11a	6Mbps	1	165	5825	25.80	45.15	16.35	0.5	Pass
HT20	MCS0	1	149	5745	26.40	47.05	17.50	0.5	Pass
HT20	MCS0	1	157	5785	26.15	47.30	17.50	0.5	Pass
HT20	MCS0	1	165	5825	26.55	47.70	17.60	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 2	Ant 2	Ant 2	
11a	6Mbps	1	149	5745	19.10	29.80	6.20	Pass
11a	6Mbps	1	157	5785	19.20	29.80	6.20	Pass
11a	6Mbps	1	165	5825	18.90	29.80	6.20	Pass
HT20	MCS0	1	149	5745	19.10	29.80	6.20	Pass
HT20	MCS0	1	157	5785	19.20	29.80	6.20	Pass
HT20	MCS0	1	165	5825	18.90	29.80	6.20	Pass
VHT20	MCS0	1	149	5745	19.00	29.80	6.20	Pass
VHT20	MCS0	1	157	5785	19.10	29.80	6.20	Pass
VHT20	MCS0	1	165	5825	18.80	29.80	6.20	Pass

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 2	Ant 2	Ant 2	Ant 2	Ant 2	
11a	6Mbps	1	149	5745	0.00	2.22	9.22	29.80	6.20	Pass
11a	6Mbps	1	157	5785	0.00	2.22	9.54	29.80	6.20	Pass
11a	6Mbps	1	165	5825	0.00	2.22	8.80	29.80	6.20	Pass
HT20	MCS0	1	149	5745	0.00	2.22	9.16	29.80	6.20	Pass
HT20	MCS0	1	157	5785	0.00	2.22	8.90	29.80	6.20	Pass
HT20	MCS0	1	165	5825	0.00	2.22	8.42	29.80	6.20	Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

<TXBF>

Test Engineer:	Richard Qiu / Luffy Lin	Temperature:	21~25	°C
Test Date:	2019/6/13 ~ 2019/07/09	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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
VHT20	MCS0	2	149	5745	17.85	17.65	25.80	26.00	16.30	16.40	0.5	Pass
VHT20	MCS0	2	157	5785	17.75	17.65	23.70	24.50	16.10	15.00	0.5	Pass
VHT20	MCS0	2	165	5825	17.65	18.20	28.10	27.80	15.00	17.70	0.5	Pass
VHT40	MCS0	2	151	5755	36.00	36.30	40.86	43.38	35.10	35.10	0.5	Pass
VHT40	MCS0	2	159	5795	37.00	35.80	41.94	40.86	35.10	33.84	0.5	Pass
VHT80	MCS0	2	155	5775	78.24	75.24	94.72	80.32	75.20	70.08	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
VHT20	MCS0	2	149	5745	13.30	13.30	16.31	28.14		7.86		Pass
VHT20	MCS0	2	157	5785	13.10	13.20	16.16	28.14		7.86		Pass
VHT20	MCS0	2	165	5825	13.20	13.80	16.52	28.14		7.86		Pass
VHT40	MCS0	2	151	5755	12.80	13.00	15.91	28.14		7.86		Pass
VHT40	MCS0	2	159	5795	12.40	12.60	15.51	28.14		7.86		Pass
VHT80	MCS0	2	155	5775	14.80	13.90	17.38	28.14		7.86		Pass

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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
VHT20	MCS0	2	149	5745	0.00	0.00	2.22		4.59	4.48	7.60	28.14		7.86		Pass
VHT20	MCS0	2	157	5785	0.00	0.00	2.22		4.81	3.79	7.82	28.14		7.86		Pass
VHT20	MCS0	2	165	5825	0.00	0.00	2.22		3.69	4.19	7.20	28.14		7.86		Pass
VHT40	MCS0	2	151	5755	0.00	0.00	2.22		0.36	1.64	4.65	28.14		7.86		Pass
VHT40	MCS0	2	159	5795	0.00	0.00	2.22		0.31	0.60	3.61	28.14		7.86		Pass
VHT80	MCS0	2	155	5775	0.00	0.00	2.22		-1.26	-2.31	1.75	28.14		7.86		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

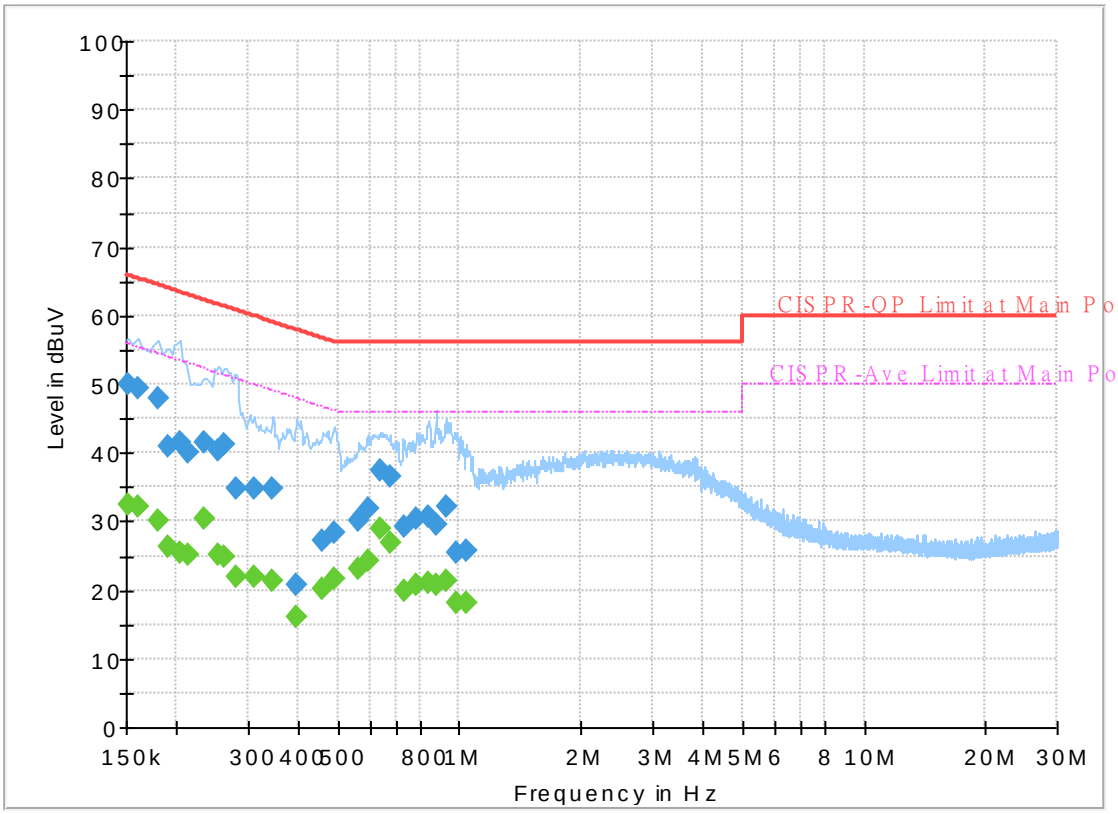
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.9~26℃
		Relative Humidity :	68.3~70.3%

EUT Information

Report NO :	8O0521-02
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

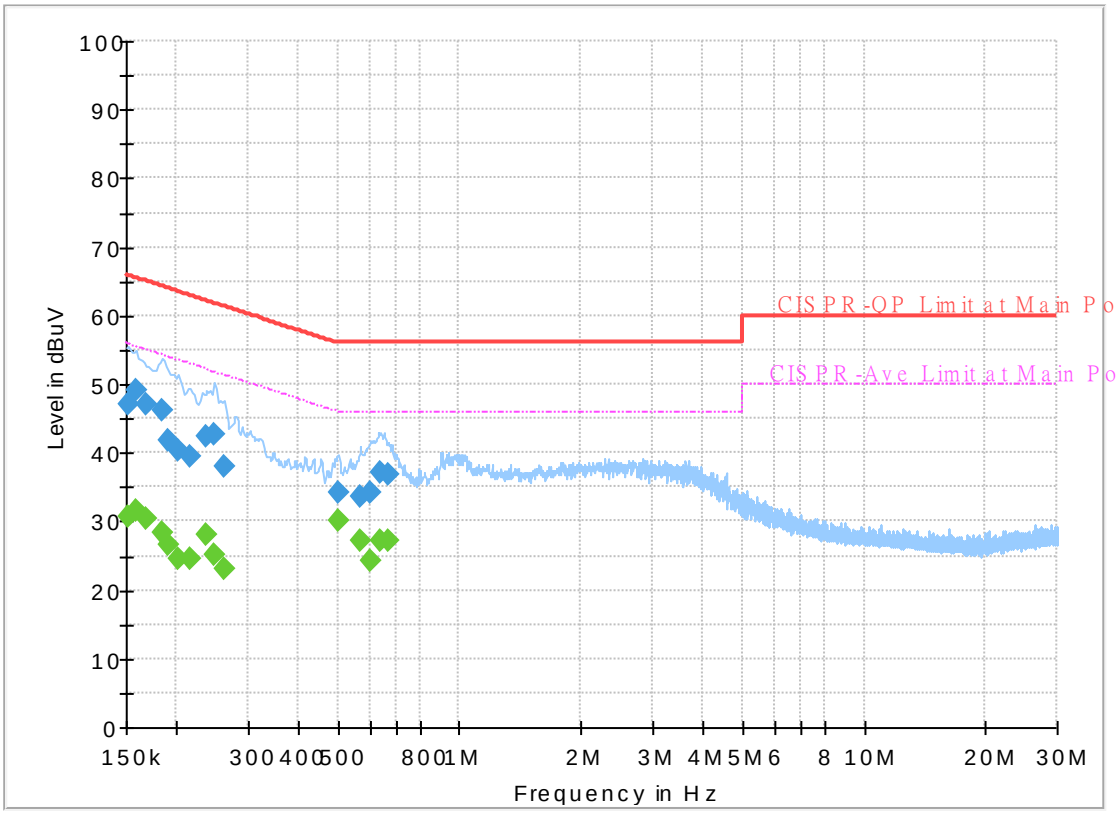
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.33	55.88	23.55	L1	OFF	19.4
0.152250	50.08	---	65.88	15.80	L1	OFF	19.4
0.161250	---	32.30	55.40	23.10	L1	OFF	19.4
0.161250	49.52	---	65.40	15.88	L1	OFF	19.4
0.179250	---	30.00	54.52	24.52	L1	OFF	19.4
0.179250	48.01	---	64.52	16.51	L1	OFF	19.4
0.190500	---	26.30	54.02	27.72	L1	OFF	19.4
0.190500	40.88	---	64.02	23.14	L1	OFF	19.4
0.204000	---	25.48	53.45	27.97	L1	OFF	19.4
0.204000	41.45	---	63.45	22.00	L1	OFF	19.4
0.213000	---	25.06	53.09	28.03	L1	OFF	19.4
0.213000	39.91	---	63.09	23.18	L1	OFF	19.4
0.233250	---	30.29	52.33	22.04	L1	OFF	19.4
0.233250	41.45	---	62.33	20.88	L1	OFF	19.4
0.253500	---	25.12	51.64	26.52	L1	OFF	19.4
0.253500	40.31	---	61.64	21.33	L1	OFF	19.4
0.262500	---	24.89	51.35	26.46	L1	OFF	19.4
0.262500	41.33	---	61.35	20.02	L1	OFF	19.4
0.280500	---	21.89	50.80	28.91	L1	OFF	19.4
0.280500	34.91	---	60.80	25.89	L1	OFF	19.4
0.312000	---	21.81	49.92	28.11	L1	OFF	19.4

0.312000	34.66	---	59.92	25.26	L1	OFF	19.4
0.345750	---	21.29	49.06	27.77	L1	OFF	19.4
0.345750	34.87	---	59.06	24.19	L1	OFF	19.4
0.395250	---	16.20	47.95	31.75	L1	OFF	19.4
0.395250	20.67	---	57.95	37.28	L1	OFF	19.4
0.460500	---	20.18	46.68	26.50	L1	OFF	19.4
0.460500	27.06	---	56.68	29.62	L1	OFF	19.4
0.489750	---	21.57	46.17	24.60	L1	OFF	19.4
0.489750	28.26	---	56.17	27.91	L1	OFF	19.4
0.561750	---	23.23	46.00	22.77	L1	OFF	19.4
0.561750	29.99	---	56.00	26.01	L1	OFF	19.4
0.593250	---	24.15	46.00	21.85	L1	OFF	19.4
0.593250	31.90	---	56.00	24.10	L1	OFF	19.4
0.636000	---	28.94	46.00	17.06	L1	OFF	19.4
0.636000	37.51	---	56.00	18.49	L1	OFF	19.4
0.672000	---	26.90	46.00	19.10	L1	OFF	19.4
0.672000	36.60	---	56.00	19.40	L1	OFF	19.4
0.728250	---	20.00	46.00	26.00	L1	OFF	19.4
0.728250	29.29	---	56.00	26.71	L1	OFF	19.4
0.786750	---	20.72	46.00	25.28	L1	OFF	19.4
0.786750	30.31	---	56.00	25.69	L1	OFF	19.4
0.840750	---	20.94	46.00	25.06	L1	OFF	19.4
0.840750	30.65	---	56.00	25.35	L1	OFF	19.4
0.874500	---	20.89	46.00	25.11	L1	OFF	19.4
0.874500	29.56	---	56.00	26.44	L1	OFF	19.4
0.924000	---	21.47	46.00	24.53	L1	OFF	19.4
0.924000	32.12	---	56.00	23.88	L1	OFF	19.4
0.984750	---	18.07	46.00	27.93	L1	OFF	19.4
0.984750	25.44	---	56.00	30.56	L1	OFF	19.4
1.041000	---	18.27	46.00	27.73	L1	OFF	19.4
1.041000	25.81	---	56.00	30.19	L1	OFF	19.4

EUT Information

Report NO :	8O0521-02
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	30.61	55.88	25.27	N	OFF	19.4
0.152250	47.16	---	65.88	18.72	N	OFF	19.4
0.159000	---	31.64	55.52	23.88	N	OFF	19.4
0.159000	49.00	---	65.52	16.52	N	OFF	19.4
0.168000	---	30.47	55.06	24.59	N	OFF	19.4
0.168000	46.96	---	65.06	18.10	N	OFF	19.4
0.183750	---	28.29	54.31	26.02	N	OFF	19.4
0.183750	46.24	---	64.31	18.07	N	OFF	19.4
0.190500	---	26.49	54.02	27.53	N	OFF	19.4
0.190500	41.70	---	64.02	22.32	N	OFF	19.4
0.201750	---	24.65	53.54	28.89	N	OFF	19.4
0.201750	40.32	---	63.54	23.22	N	OFF	19.4
0.215250	---	24.65	53.00	28.35	N	OFF	19.4
0.215250	39.33	---	63.00	23.67	N	OFF	19.4
0.237750	---	28.10	52.17	24.07	N	OFF	19.4
0.237750	42.31	---	62.17	19.86	N	OFF	19.4
0.249000	---	25.01	51.79	26.78	N	OFF	19.4
0.249000	42.82	---	61.79	18.97	N	OFF	19.4
0.262500	---	23.03	51.35	28.32	N	OFF	19.4
0.262500	37.96	---	61.35	23.39	N	OFF	19.4
0.501000	---	30.00	46.00	16.00	N	OFF	19.5

0.501000	**34.26**	**---**	**56.00**	**21.74**	**N**	**OFF**	**19.5**
0.568500	**---**	**27.19**	**46.00**	**18.81**	**N**	**OFF**	**19.5**
0.568500	**33.53**	**---**	**56.00**	**22.47**	**N**	**OFF**	**19.5**
0.604500	**---**	**24.14**	**46.00**	**21.86**	**N**	**OFF**	**19.5**
0.604500	**34.07**	**---**	**56.00**	**21.93**	**N**	**OFF**	**19.5**
0.638250	**---**	**27.24**	**46.00**	**18.76**	**N**	**OFF**	**19.5**
0.638250	**37.16**	**---**	**56.00**	**18.84**	**N**	**OFF**	**19.5**
0.667500	**---**	**27.26**	**46.00**	**18.74**	**N**	**OFF**	**19.5**
0.667500	**36.70**	**---**	**56.00**	**19.30**	**N**	**OFF**	**19.5**

Appendix C. Radiated Spurious Emission

Test Engineer :	Jacky Hung, Austin Li and CR Liao	Temperature :	20~25°C
		Relative Humidity :	50~60%

<CDD Mode>

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.
0		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5626.4	56.96	-11.24	68.2	40.55	32.48	13.73	29.8	216	173	P	H
		5699	60.96	-43.5	104.46	44.23	32.64	13.93	29.84	216	173	P	H
		5719.2	77.27	-33.31	110.58	60.46	32.68	13.98	29.85	216	173	P	H
		5724	86.78	-33.14	119.92	69.95	32.69	13.99	29.85	216	173	P	H
	*	5745	115.49	-	-	98.56	32.74	14.05	29.86	216	173	P	H
	*	5745	107.79	-	-	90.86	32.74	14.05	29.86	216	173	A	H
		5619	55.6	-12.6	68.2	39.23	32.46	13.71	29.8	239	98	P	V
		5699.8	60.46	-44.59	105.05	43.73	32.64	13.93	29.84	239	98	P	V
		5719.4	76.69	-33.94	110.63	59.88	32.68	13.98	29.85	239	98	P	V
		5725	85.34	-36.86	122.2	68.5	32.69	14	29.85	239	98	P	V
	*	5745	112.95	-	-	96.02	32.74	14.05	29.86	239	98	P	V
	*	5745	105.13	-	-	88.2	32.74	14.05	29.86	239	98	A	V

WIFI Ant. 0	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		5606	56.71	-11.49	68.2	40.39	32.43	13.68	29.79	198	165	P	H
		5689.6	57.61	-39.92	97.53	40.92	32.62	13.9	29.83	198	165	P	H
		5715	59.82	-49.58	109.4	43.02	32.67	13.97	29.84	198	165	P	H
		5724.6	58.23	-63.06	121.29	41.39	32.69	14	29.85	198	165	P	H
	*	5785	116.24	-	-	99.13	32.83	14.16	29.88	198	165	P	H
	*	5785	108.58	-	-	91.47	32.83	14.16	29.88	198	165	A	H
		5853.8	57.04	-56.5	113.54	39.95	32.98	14.02	29.91	198	165	P	H
		5865.8	58.04	-49.73	107.77	40.98	33	13.98	29.92	198	165	P	H
		5891.2	57.44	-35.74	93.18	40.42	33.06	13.89	29.93	198	165	P	H
		5930.4	56.1	-12.1	68.2	39.14	33.15	13.76	29.95	198	165	P	H
		5645	55.91	-12.29	68.2	39.42	32.52	13.78	29.81	256	87	P	V
		5679.2	56.16	-33.69	89.85	39.53	32.59	13.87	29.83	256	87	P	V
		5711	56.32	-51.96	108.28	39.54	32.66	13.96	29.84	256	87	P	V
		5722	56.66	-58.7	115.36	39.83	32.69	13.99	29.85	256	87	P	V
	*	5785	112.8	-	-	95.69	32.83	14.16	29.88	256	87	P	V
	*	5785	105.17	-	-	88.06	32.83	14.16	29.88	256	87	A	V
		5852.6	55.98	-60.29	116.27	38.89	32.98	14.02	29.91	256	87	P	V
		5859.2	56.92	-52.7	109.62	39.84	32.99	14	29.91	256	87	P	V
		5922.8	55.98	-13.84	69.82	39	33.13	13.79	29.94	256	87	P	V
		5948.8	55.94	-12.26	68.2	39.01	33.19	13.7	29.96	256	87	P	V

WIFI Ant. 0	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	115.64	-	-	98.5	32.92	14.12	29.9	212	174	P	H
	*	5825	107.67	-	-	90.53	32.92	14.12	29.9	212	174	A	H
		5850.6	82.18	-38.65	120.83	65.09	32.97	14.03	29.91	212	174	P	H
		5855.2	74.71	-36.03	110.74	57.62	32.98	14.02	29.91	212	174	P	H
		5885.4	61.1	-36.38	97.48	44.06	33.05	13.91	29.92	212	174	P	H
		5945.6	56.45	-11.75	68.2	39.51	33.18	13.71	29.95	212	174	P	H
	*	5825	112.02	-	-	94.88	32.92	14.12	29.9	254	95	P	V
	*	5825	104.17	-	-	87.03	32.92	14.12	29.9	254	95	A	V
		5850.4	78.58	-42.71	121.29	61.49	32.97	14.03	29.91	254	95	P	V
		5858	72.45	-37.51	109.96	55.36	32.99	14.01	29.91	254	95	P	V
		5875.2	57.84	-47.21	105.05	40.78	33.03	13.95	29.92	254	95	P	V
		5927	56.21	-11.99	68.2	39.24	33.14	13.77	29.94	254	95	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. 0	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	49.24	-24.76	74	54.15	39.71	18.37	62.99	100	0	P	H
		17235	51.87	-16.33	68.2	47.69	43.12	23.27	62.21	100	0	P	H
		11490	49.81	-24.19	74	54.72	39.71	18.37	62.99	100	0	P	V
		17235	50.82	-17.38	68.2	46.64	43.12	23.27	62.21	100	0	P	V
802.11a CH 157 5785MHz		11570	49.43	-24.57	74	54.47	39.6	18.44	63.08	100	0	P	H
		17355	51.72	-16.48	68.2	46.71	43.75	23.43	62.17	100	0	P	H
		11570	47.85	-26.15	74	52.89	39.6	18.44	63.08	100	0	P	V
		17355	51.81	-16.39	68.2	46.8	43.75	23.43	62.17	100	0	P	V
802.11a CH 165 5825MHz		11650	47.96	-26.04	74	53.18	39.49	18.5	63.21	100	0	P	H
		17475	50.89	-17.31	68.2	45.07	44.37	23.59	62.14	100	0	P	H
		11650	47.73	-26.27	74	52.95	39.49	18.5	63.21	100	0	P	V
		17475	50.7	-17.5	68.2	44.88	44.37	23.59	62.14	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. 0	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)
		5607.2	56.72	-11.48	68.2	40.39	32.44	13.68	29.79	206	176	P	H
		5698.8	63.03	-41.29	104.32	46.3	32.64	13.93	29.84	206	176	P	H
		5719.8	78.39	-32.35	110.74	61.58	32.68	13.98	29.85	206	176	P	H
		5724.6	86.74	-34.55	121.29	69.9	32.69	14	29.85	206	176	P	H
802.11n	*	5745	114.85	-	-	97.92	32.74	14.05	29.86	206	176	P	H
HT20	*	5745	106.96	-	-	90.03	32.74	14.05	29.86	206	176	A	H
CH 149		5620.6	56.65	-11.55	68.2	40.26	32.47	13.72	29.8	250	96	P	V
5745MHz		5699.8	61.43	-43.62	105.05	44.7	32.64	13.93	29.84	250	96	P	V
		5718.8	78.11	-32.35	110.46	61.3	32.68	13.98	29.85	250	96	P	V
		5724.8	85.02	-36.72	121.74	68.18	32.69	14	29.85	250	96	P	V
	*	5745	112.63	-	-	95.7	32.74	14.05	29.86	250	96	P	V
	*	5745	104.65	-	-	87.72	32.74	14.05	29.86	250	96	A	V

WIFI Ant. 0	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)
		5614	56.47	-11.73	68.2	40.11	32.45	13.7	29.79	196	164	P	H
		5681.4	57.61	-33.86	91.47	40.96	32.6	13.88	29.83	196	164	P	H
		5719	58.29	-52.23	110.52	41.48	32.68	13.98	29.85	196	164	P	H
		5723	59.17	-58.47	117.64	42.34	32.69	13.99	29.85	196	164	P	H
	*	5785	115.83	-	-	98.72	32.83	14.16	29.88	196	164	P	H
	*	5785	108.11	-	-	91	32.83	14.16	29.88	196	164	A	H
		5854.2	55.96	-56.66	112.62	38.87	32.98	14.02	29.91	196	164	P	H
		5872.8	56.68	-49.14	105.82	39.62	33.02	13.96	29.92	196	164	P	H
802.11n		5883.4	56.98	-41.98	98.96	39.94	33.04	13.92	29.92	196	164	P	H
HT20		5939	56.04	-12.16	68.2	39.09	33.17	13.73	29.95	196	164	P	H
CH 157		5650	56.41	-11.79	68.2	39.89	32.53	13.8	29.81	256	84	P	V
5785MHz		5698.8	56.17	-48.15	104.32	39.44	32.64	13.93	29.84	256	84	P	V
		5714.4	56.68	-52.55	109.23	39.88	32.67	13.97	29.84	256	84	P	V
		5724.8	57.52	-64.22	121.74	40.68	32.69	14	29.85	256	84	P	V
	*	5785	112.29	-	-	95.18	32.83	14.16	29.88	256	84	P	V
	*	5785	104.76	-	-	87.65	32.83	14.16	29.88	256	84	A	V
		5851.8	56.03	-62.07	118.1	38.94	32.97	14.03	29.91	256	84	P	V
		5859.2	56	-53.62	109.62	38.92	32.99	14	29.91	256	84	P	V
		5898	56.22	-31.92	88.14	39.2	33.08	13.87	29.93	256	84	P	V
		5931.8	54.95	-13.25	68.2	37.99	33.15	13.76	29.95	256	84	P	V

WIFI Ant. 0	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	115.28	-	-	98.14	32.92	14.12	29.9	204	174	P	H
	*	5825	107.41	-	-	90.27	32.92	14.12	29.9	204	174	A	H
		5851.8	82.01	-36.09	118.1	64.92	32.97	14.03	29.91	204	174	P	H
		5856.6	76.37	-33.98	110.35	59.29	32.98	14.01	29.91	204	174	P	H
		5878.6	61.91	-40.62	102.53	44.86	33.03	13.94	29.92	204	174	P	H
		5934.6	56.38	-11.82	68.2	39.42	33.16	13.75	29.95	204	174	P	H
	*	5825	111.85	-	-	94.71	32.92	14.12	29.9	234	94	P	V
	*	5825	103.96	-	-	86.82	32.92	14.12	29.9	234	94	A	V
		5851.2	77.39	-42.07	119.46	60.3	32.97	14.03	29.91	234	94	P	V
		5857	74.42	-35.82	110.24	57.33	32.99	14.01	29.91	234	94	P	V
		5876.2	58.86	-45.45	104.31	41.81	33.03	13.94	29.92	234	94	P	V
		5927.8	55.66	-12.54	68.2	38.7	33.14	13.77	29.95	234	94	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. 0	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	49.32	-24.68	74	54.23	39.71	18.37	62.99	100	0	P	H
HT20		17235	54.73	-13.47	68.2	50.55	43.12	23.27	62.21	150	312	P	H
CH 149		11490	49.51	-24.49	74	54.42	39.71	18.37	62.99	100	0	P	V
5745MHz		17235	56.09	-12.11	68.2	51.91	43.12	23.27	62.21	151	228	P	V
802.11n		11570	48.55	-25.45	74	53.59	39.6	18.44	63.08	100	0	P	H
HT20		17355	51.52	-16.68	68.2	46.51	43.75	23.43	62.17	100	0	P	H
CH 157		11570	49.16	-24.84	74	54.2	39.6	18.44	63.08	100	0	P	V
5785MHz		17355	51.12	-17.08	68.2	46.11	43.75	23.43	62.17	100	0	P	V
802.11n		11650	47.45	-26.55	74	52.67	39.49	18.5	63.21	100	0	P	H
HT20		17475	51.3	-16.9	68.2	45.48	44.37	23.59	62.14	100	0	P	H
CH 165		11650	47.4	-26.6	74	52.62	39.49	18.5	63.21	100	0	P	V
5825MHz		17475	50.48	-17.72	68.2	44.66	44.37	23.59	62.14	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. 0	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)
		5646.6	57.74	-10.46	68.2	41.24	32.52	13.79	29.81	203	164	P	H
		5693.8	70	-30.63	100.63	53.29	32.63	13.91	29.83	203	164	P	H
		5719.6	86.44	-24.25	110.69	69.63	32.68	13.98	29.85	203	164	P	H
		5722.8	85.5	-31.68	117.18	68.67	32.69	13.99	29.85	203	164	P	H
	*	5755	111.65	-	-	94.67	32.76	14.08	29.86	203	164	P	H
	*	5755	103.74	-	-	86.76	32.76	14.08	29.86	203	164	A	H
		5850	57.61	-64.59	122.2	40.52	32.97	14.03	29.91	203	164	P	H
		5858.2	56.34	-53.56	109.9	39.25	32.99	14.01	29.91	203	164	P	H
802.11n		5890.8	56.88	-36.59	93.47	39.85	33.06	13.9	29.93	203	164	P	H
HT40		5930.8	56.2	-12	68.2	39.24	33.15	13.76	29.95	203	164	P	H
CH 151		5647.4	56.41	-11.79	68.2	39.91	32.52	13.79	29.81	241	87	P	V
5755MHz		5697	67.16	-35.83	102.99	50.44	32.63	13.92	29.83	241	87	P	V
		5720	82.77	-28.03	110.8	65.96	32.68	13.98	29.85	241	87	P	V
		5720.8	82.77	-29.85	112.62	65.94	32.69	13.99	29.85	241	87	P	V
	*	5755	109.22	-	-	92.24	32.76	14.08	29.86	241	87	P	V
	*	5755	100.79	-	-	83.81	32.76	14.08	29.86	241	87	A	V
		5851.6	55.96	-62.59	118.55	38.87	32.97	14.03	29.91	241	87	P	V
		5864.6	56.28	-51.83	108.11	39.22	33	13.98	29.92	241	87	P	V
		5883.6	56.46	-42.35	98.81	39.42	33.04	13.92	29.92	241	87	P	V
		5930.6	55.49	-12.71	68.2	38.53	33.15	13.76	29.95	241	87	P	V

WIFI Ant. 0	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		5619.2	57.01	-11.19	68.2	40.64	32.46	13.71	29.8	198	164	P	H
		5698	60.89	-42.84	103.73	44.17	32.64	13.92	29.84	198	164	P	H
		5719	65.36	-45.16	110.52	48.55	32.68	13.98	29.85	198	164	P	H
		5724.6	65.74	-55.55	121.29	48.9	32.69	14	29.85	198	164	P	H
	*	5795	112.11	-	-	94.95	32.85	14.19	29.88	198	164	P	H
	*	5795	104.15	-	-	86.99	32.85	14.19	29.88	198	164	A	H
		5852.6	68.76	-47.51	116.27	51.67	32.98	14.02	29.91	198	164	P	H
		5860.6	69.15	-40.08	109.23	52.07	32.99	14	29.91	198	164	P	H
		5877.6	59.33	-43.94	103.27	42.28	33.03	13.94	29.92	198	164	P	H
		5938	55.73	-12.47	68.2	38.78	33.16	13.74	29.95	198	164	P	H
		5634.2	54.72	-13.48	68.2	38.27	32.5	13.75	29.8	240	86	P	V
		5697.2	57.66	-45.48	103.14	40.94	32.63	13.92	29.83	240	86	P	V
		5712.6	60.76	-47.97	108.73	43.97	32.67	13.96	29.84	240	86	P	V
		5723.2	61.87	-56.23	118.1	45.04	32.69	13.99	29.85	240	86	P	V
	*	5795	109.08	-	-	91.92	32.85	14.19	29.88	240	86	P	V
	*	5795	100.64	-	-	83.48	32.85	14.19	29.88	240	86	A	V
		5853.4	62.49	-51.96	114.45	45.4	32.98	14.02	29.91	240	86	P	V
		5856.6	61.73	-48.62	110.35	44.65	32.98	14.01	29.91	240	86	P	V
		5882.8	56.54	-42.87	99.41	39.5	33.04	13.92	29.92	240	86	P	V
		5948.4	55.71	-12.49	68.2	38.78	33.19	13.7	29.96	240	86	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. 0	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	47.03	-26.97	74	51.94	39.69	18.39	62.99	100	0	P	H
HT40		17265	48.54	-19.66	68.2	44.16	43.28	23.3	62.2	100	0	P	H
CH 151		11510	47.19	-26.81	74	52.1	39.69	18.39	62.99	100	0	P	V
5755MHz		17265	48.6	-19.6	68.2	44.22	43.28	23.3	62.2	100	0	P	V
802.11n		11590	48.35	-25.65	74	53.44	39.57	18.46	63.12	100	0	P	H
HT40		17385	49.14	-19.06	68.2	43.93	43.9	23.47	62.16	100	0	P	H
CH 159		11590	48.02	-25.98	74	53.11	39.57	18.46	63.12	100	0	P	V
5795MHz		17385	49.6	-18.6	68.2	44.39	43.9	23.47	62.16	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. 0	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		5627.6	67.43	-0.77	68.2	51.02	32.48	13.73	29.8	200	164	P	H
		5696.6	83.64	-19.05	102.69	66.92	32.63	13.92	29.83	200	164	P	H
		5718.8	87.82	-22.64	110.46	71.01	32.68	13.98	29.85	200	164	P	H
		5723.2	86.59	-31.51	118.1	69.76	32.69	13.99	29.85	200	164	P	H
	*	5775	108.63	-	-	91.56	32.81	14.13	29.87	200	164	P	H
	*	5775	100.03	-	-	82.96	32.81	14.13	29.87	200	164	A	H
		5854.2	78.9	-33.72	112.62	61.81	32.98	14.02	29.91	200	164	P	H
		5856.2	78.06	-32.4	110.46	60.98	32.98	14.01	29.91	200	164	P	H
		5876.2	69.79	-34.52	104.31	52.74	33.03	13.94	29.92	200	164	P	H
		5925.2	59.7	-8.5	68.2	42.72	33.14	13.78	29.94	200	164	P	H
		5648.4	66.56	-1.64	68.2	50.05	32.53	13.79	29.81	232	87	P	V
		5699.4	80.21	-24.55	104.76	63.48	32.64	13.93	29.84	232	87	P	V
		5715.6	83.66	-25.91	109.57	66.86	32.67	13.97	29.84	232	87	P	V
		5724.8	84.74	-37	121.74	67.9	32.69	14	29.85	232	87	P	V
	*	5775	105.19	-	-	88.12	32.81	14.13	29.87	232	87	P	V
	*	5775	96.99	-	-	79.92	32.81	14.13	29.87	232	87	A	V
		5850.4	75.44	-45.85	121.29	58.35	32.97	14.03	29.91	232	87	P	V
		5859.6	72.93	-36.58	109.51	55.85	32.99	14	29.91	232	87	P	V
		5878.4	65.19	-37.48	102.67	48.14	33.03	13.94	29.92	232	87	P	V
		5936.8	56.7	-11.5	68.2	39.75	33.16	13.74	29.95	232	87	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. 0	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		11550	47.35	-26.65	74	52.35	39.63	18.42	63.05	100	0	P	H
		17325	49.76	-18.44	68.2	44.96	43.59	23.39	62.18	100	0	P	H
		11550	47.6	-26.4	74	52.6	39.63	18.42	63.05	100	0	P	V
		17325	48.96	-19.24	68.2	44.16	43.59	23.39	62.18	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. 0	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		102.75	29.21	-14.29	43.5	44.21	16.29	1.08	32.37	-	-	P	H
		216.24	28.38	-17.62	46	43.61	15.2	1.93	32.36	-	-	P	H
		302.57	30.65	-15.35	46	41.28	19.28	2.52	32.43	-	-	P	H
		350.1	36.74	-9.26	46	45.98	20.41	2.82	32.47	100	0	P	H
		741.01	30.81	-15.19	46	30.73	28.09	4.45	32.46	-	-	P	H
		949.56	33.17	-12.83	46	29.18	30.73	4.61	31.35	-	-	P	H
		106.63	30.12	-13.38	43.5	44.6	16.78	1.11	32.37	-	-	P	V
		191.02	29.74	-13.76	43.5	45.55	14.84	1.7	32.35	-	-	P	V
		242.43	30.73	-15.27	46	43.33	17.58	2.2	32.38	-	-	P	V
		350.1	37.02	-8.98	46	46.26	20.41	2.82	32.47	100	0	P	V
		500.45	32.12	-13.88	46	37.46	23.95	3.29	32.58	-	-	P	V
		945.68	33	-13	46	29.16	30.62	4.61	31.39	-	-	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5642.8	56.48	-11.72	68.2	40	32.51	13.78	29.81	199	211	P	H
		5700	60.74	-44.46	105.2	44.01	32.64	13.93	29.84	199	211	P	H
		5719.2	73.94	-36.64	110.58	57.13	32.68	13.98	29.85	199	211	P	H
		5724.6	85.77	-35.52	121.29	68.93	32.69	14	29.85	199	211	P	H
	*	5745	115.35	-	-	98.42	32.74	14.05	29.86	199	211	P	H
	*	5745	107.74	-	-	90.81	32.74	14.05	29.86	199	211	A	H
		5626.4	55.04	-13.16	68.2	38.63	32.48	13.73	29.8	246	290	P	V
		5699.4	58.62	-46.14	104.76	41.89	32.64	13.93	29.84	246	290	P	V
		5719.6	70.57	-40.12	110.69	53.76	32.68	13.98	29.85	246	290	P	V
		5724.8	80.92	-40.82	121.74	64.08	32.69	14	29.85	246	290	P	V
	*	5745	110.72	-	-	93.79	32.74	14.05	29.86	246	290	P	V
	*	5745	103.07	-	-	86.14	32.74	14.05	29.86	246	290	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		5603	55.86	-12.34	68.2	39.55	32.43	13.67	29.79	201	201	P	H
		5672.6	57.32	-27.64	84.96	40.7	32.58	13.86	29.82	201	201	P	H
		5716	58.08	-51.6	109.68	41.27	32.68	13.97	29.84	201	201	P	H
		5720.4	59.73	-51.98	111.71	42.91	32.68	13.99	29.85	201	201	P	H
	*	5785	115.96	-	-	98.85	32.83	14.16	29.88	201	201	P	H
	*	5785	108.49	-	-	91.38	32.83	14.16	29.88	201	201	A	H
		5853.6	55.62	-58.37	113.99	38.53	32.98	14.02	29.91	201	201	P	H
		5862.6	56.73	-51.94	108.67	39.65	33	13.99	29.91	201	201	P	H
		5919.2	55.27	-17.21	72.48	38.29	33.12	13.8	29.94	201	201	P	H
		5932.8	54.43	-13.77	68.2	37.47	33.15	13.76	29.95	201	201	P	H
		5629.2	55.76	-12.44	68.2	39.34	32.48	13.74	29.8	260	282	P	V
		5685.6	56.17	-38.41	94.58	39.5	32.61	13.89	29.83	260	282	P	V
		5705.4	56.68	-50.03	106.71	39.93	32.65	13.94	29.84	260	282	P	V
		5721.8	56.29	-58.61	114.9	39.46	32.69	13.99	29.85	260	282	P	V
	*	5785	111.63	-	-	94.52	32.83	14.16	29.88	260	282	P	V
	*	5785	103.91	-	-	86.8	32.83	14.16	29.88	260	282	A	V
		5851.6	56.22	-62.33	118.55	39.13	32.97	14.03	29.91	260	282	P	V
		5856	55.72	-54.8	110.52	38.64	32.98	14.01	29.91	260	282	P	V
		5891.6	56.44	-36.44	92.88	39.42	33.06	13.89	29.93	260	282	P	V
		5950	54.94	-13.26	68.2	38.01	33.19	13.7	29.96	260	282	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	115.54	-	-	98.4	32.92	14.12	29.9	199	212	P	H
	*	5825	107.64	-	-	90.5	32.92	14.12	29.9	199	212	A	H
		5850.6	80.12	-40.71	120.83	63.03	32.97	14.03	29.91	199	212	P	H
		5855	73.79	-37.01	110.8	56.7	32.98	14.02	29.91	199	212	P	H
		5876.4	57.12	-47.04	104.16	40.07	33.03	13.94	29.92	199	212	P	H
		5929	55.86	-12.34	68.2	38.9	33.14	13.77	29.95	199	212	P	H
	*	5825	112.09	-	-	94.95	32.92	14.12	29.9	246	294	P	V
	*	5825	104.03	-	-	86.89	32.92	14.12	29.9	246	294	A	V
		5851.6	75.85	-42.7	118.55	58.76	32.97	14.03	29.91	246	294	P	V
		5855.2	69.84	-40.9	110.74	52.75	32.98	14.02	29.91	246	294	P	V
		5875	55.55	-49.65	105.2	38.49	33.03	13.95	29.92	246	294	P	V
		5942.4	55.22	-12.98	68.2	38.28	33.17	13.72	29.95	246	294	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	53.14	-20.86	74	58.05	39.71	18.37	62.99	129	184	P	H
		11490	42.01	-11.99	54	46.92	39.71	18.37	62.99	129	184	A	H
		17235	49.97	-18.23	68.2	45.79	43.12	23.27	62.21	100	0	P	H
		11490	49.36	-24.64	74	54.27	39.71	18.37	62.99	100	0	P	V
		17235	49.77	-18.43	68.2	45.59	43.12	23.27	62.21	100	0	P	V
802.11a CH 157 5785MHz		11570	51.44	-22.56	74	56.48	39.6	18.44	63.08	115	161	P	H
		11570	40.89	-13.11	54	45.93	39.6	18.44	63.08	115	161	A	H
		17355	51	-17.2	68.2	45.99	43.75	23.43	62.17	100	0	P	H
		11570	54.02	-19.98	74	59.06	39.6	18.44	63.08	165	316	P	V
		11570	43.11	-10.89	54	48.15	39.6	18.44	63.08	165	316	A	V
		17355	49.78	-18.42	68.2	44.77	43.75	23.43	62.17	100	0	P	V
802.11a CH 165 5825MHz		11650	54.42	-19.58	74	59.64	39.49	18.5	63.21	102	135	P	H
		11650	43.66	-10.34	54	48.88	39.49	18.5	63.21	102	135	A	H
		17475	49.99	-18.21	68.2	44.17	44.37	23.59	62.14	100	0	P	H
		11650	55.54	-18.46	74	60.76	39.49	18.5	63.21	249	112	P	V
		11650	44.49	-9.51	54	49.71	39.49	18.5	63.21	249	112	A	V
		17475	49.69	-18.51	68.2	43.87	44.37	23.59	62.14	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)
		5617.6	57.29	-10.91	68.2	40.92	32.46	13.71	29.8	198	226	P	H
		5700	62.55	-42.65	105.2	45.82	32.64	13.93	29.84	198	226	P	H
		5719.2	78.61	-31.97	110.58	61.8	32.68	13.98	29.85	198	226	P	H
		5724.6	85.96	-35.33	121.29	69.12	32.69	14	29.85	198	226	P	H
802.11n	*	5745	113.76	-	-	96.83	32.74	14.05	29.86	198	226	P	H
HT20	*	5745	105.8	-	-	88.87	32.74	14.05	29.86	198	226	A	H
CH 149		5642.8	55.01	-13.19	68.2	38.53	32.51	13.78	29.81	225	278	P	V
5745MHz		5691.8	56.94	-42.21	99.15	40.24	32.62	13.91	29.83	225	278	P	V
		5720	71.31	-39.49	110.8	54.5	32.68	13.98	29.85	225	278	P	V
		5724.6	83.63	-37.66	121.29	66.79	32.69	14	29.85	225	278	P	V
	*	5745	111.4	-	-	94.47	32.74	14.05	29.86	225	278	P	V
	*	5745	103.63	-	-	86.7	32.74	14.05	29.86	225	278	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)
		5631.2	57.05	-11.15	68.2	40.62	32.49	13.74	29.8	200	200	P	H
		5699.2	57.18	-47.43	104.61	40.45	32.64	13.93	29.84	200	200	P	H
		5716	58.76	-50.92	109.68	41.95	32.68	13.97	29.84	200	200	P	H
		5724.2	60.93	-59.45	120.38	44.09	32.69	14	29.85	200	200	P	H
	*	5785	116.03	-	-	98.92	32.83	14.16	29.88	200	200	P	H
	*	5785	108.5	-	-	91.39	32.83	14.16	29.88	200	200	A	H
		5854.6	55.47	-56.24	111.71	38.38	32.98	14.02	29.91	200	200	P	H
		5855.4	55.83	-54.86	110.69	38.75	32.98	14.01	29.91	200	200	P	H
802.11n		5899.2	56.44	-30.81	87.25	39.42	33.08	13.87	29.93	200	200	P	H
HT20		5933.6	55.42	-12.78	68.2	38.47	33.15	13.75	29.95	200	200	P	H
CH 157		5622.8	55.78	-12.42	68.2	39.39	32.47	13.72	29.8	247	283	P	V
5785MHz		5673.2	56.36	-29.05	85.41	39.74	32.58	13.86	29.82	247	283	P	V
		5719.8	56.87	-53.87	110.74	40.06	32.68	13.98	29.85	247	283	P	V
		5723.6	56.3	-62.71	119.01	39.47	32.69	13.99	29.85	247	283	P	V
	*	5785	111.67	-	-	94.56	32.83	14.16	29.88	247	283	P	V
	*	5785	104.29	-	-	87.18	32.83	14.16	29.88	247	283	A	V
		5854.4	56.3	-55.87	112.17	39.21	32.98	14.02	29.91	247	283	P	V
		5866.6	56.38	-51.17	107.55	39.31	33.01	13.98	29.92	247	283	P	V
		5886.8	56.12	-40.32	96.44	39.09	33.05	13.91	29.93	247	283	P	V
		5938.6	56.11	-12.09	68.2	39.16	33.16	13.74	29.95	247	283	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	115.02	-	-	97.88	32.92	14.12	29.9	191	201	P	H
	*	5825	107.03	-	-	89.89	32.92	14.12	29.9	191	201	A	H
		5850	79.44	-42.76	122.2	62.35	32.97	14.03	29.91	191	201	P	H
		5855.2	72.19	-38.55	110.74	55.1	32.98	14.02	29.91	191	201	P	H
		5875	58.2	-47	105.2	41.14	33.03	13.95	29.92	191	201	P	H
		5925.4	56.15	-12.05	68.2	39.17	33.14	13.78	29.94	191	201	P	H
	*	5825	111.93	-	-	94.79	32.92	14.12	29.9	244	280	P	V
	*	5825	103.6	-	-	86.46	32.92	14.12	29.9	244	280	A	V
		5851.4	76.32	-42.69	119.01	59.23	32.97	14.03	29.91	244	280	P	V
		5855.4	72.61	-38.08	110.69	55.53	32.98	14.01	29.91	244	280	P	V
		5876	56.49	-47.97	104.46	39.43	33.03	13.95	29.92	244	280	P	V
		5927.8	55.36	-12.84	68.2	38.4	33.14	13.77	29.95	244	280	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 HT20 CH 149 5745MHz		11490	55.61	-18.39	74	60.52	39.71	18.37	62.99	395	243	P	H
		11490	43.32	-10.68	54	48.23	39.71	18.37	62.99	395	243	A	H
		17235	49.73	-18.47	68.2	45.55	43.12	23.27	62.21	100	0	P	H
		11490	56.12	-17.88	74	61.03	39.71	18.37	62.99	230	115	P	V
		11490	43.78	-10.22	54	48.69	39.71	18.37	62.99	230	115	A	V
		17235	50.22	-17.98	68.2	46.04	43.12	23.27	62.21	100	0	P	V
802.11n HT20 CH 157 5785MHz		11570	55.67	-18.33	74	60.71	39.6	18.44	63.08	390	244	P	H
		11570	43.91	-10.09	54	48.95	39.6	18.44	63.08	390	244	A	H
		17355	49.57	-18.63	68.2	44.56	43.75	23.43	62.17	100	0	P	H
		11570	49.89	-24.11	74	54.93	39.6	18.44	63.08	100	0	P	V
		17355	49.83	-18.37	68.2	44.82	43.75	23.43	62.17	100	0	P	V
802.11n HT20 CH 165 5825MHz		11650	53.77	-20.23	74	58.99	39.49	18.5	63.21	389	243	P	H
		11650	42.83	-11.17	54	48.05	39.49	18.5	63.21	389	243	A	H
		17475	49.51	-18.69	68.2	43.69	44.37	23.59	62.14	100	0	P	H
		11650	54.93	-19.07	74	60.15	39.49	18.5	63.21	230	116	P	V
		11650	43.37	-10.63	54	48.59	39.49	18.5	63.21	230	116	A	V
		17475	49.95	-18.25	68.2	44.13	44.37	23.59	62.14	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)
		5633.6	58.86	-9.34	68.2	42.42	32.49	13.75	29.8	191	198	P	H
		5696	70.42	-31.83	102.25	53.7	32.63	13.92	29.83	191	198	P	H
		5717.8	87.99	-22.19	110.18	71.17	32.68	13.98	29.84	191	198	P	H
		5724.4	88.82	-32.01	120.83	71.98	32.69	14	29.85	191	198	P	H
	*	5755	112.32	-	-	95.34	32.76	14.08	29.86	191	198	P	H
	*	5755	104.27	-	-	87.29	32.76	14.08	29.86	191	198	A	H
		5854	56.56	-56.52	113.08	39.47	32.98	14.02	29.91	191	198	P	H
		5857.2	56.62	-53.56	110.18	39.53	32.99	14.01	29.91	191	198	P	H
802.11n		5879.4	57.38	-44.55	101.93	40.34	33.03	13.93	29.92	191	198	P	H
HT40		5946.6	56.08	-12.12	68.2	39.14	33.18	13.71	29.95	191	198	P	H
CH 151		5647	55.59	-12.61	68.2	39.09	32.52	13.79	29.81	235	284	P	V
5755MHz		5697.4	66.78	-36.5	103.28	50.06	32.63	13.92	29.83	235	284	P	V
		5718.4	81.4	-28.95	110.35	64.58	32.68	13.98	29.84	235	284	P	V
		5724	83.59	-36.33	119.92	66.76	32.69	13.99	29.85	235	284	P	V
	*	5755	107.47	-	-	90.49	32.76	14.08	29.86	235	284	P	V
	*	5755	99.71	-	-	82.73	32.76	14.08	29.86	235	284	A	V
		5854.2	55.39	-57.23	112.62	38.3	32.98	14.02	29.91	235	284	P	V
		5862.2	55.54	-53.24	108.78	38.46	33	13.99	29.91	235	284	P	V
		5878.6	56.04	-46.49	102.53	38.99	33.03	13.94	29.92	235	284	P	V
		5946	55.82	-12.38	68.2	38.88	33.18	13.71	29.95	235	284	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		5639.8	57.78	-10.42	68.2	41.31	32.51	13.77	29.81	199	202	P	H
		5698.2	61.84	-42.03	103.87	45.11	32.64	13.93	29.84	199	202	P	H
		5719.8	65.49	-45.25	110.74	48.68	32.68	13.98	29.85	199	202	P	H
		5724.8	69.86	-51.88	121.74	53.02	32.69	14	29.85	199	202	P	H
	*	5795	112.86	-	-	95.7	32.85	14.19	29.88	199	202	P	H
	*	5795	104.39	-	-	87.23	32.85	14.19	29.88	199	202	A	H
		5853.6	68.23	-45.76	113.99	51.14	32.98	14.02	29.91	199	202	P	H
		5858.8	65.82	-43.91	109.73	48.74	32.99	14	29.91	199	202	P	H
		5892.6	57.26	-34.88	92.14	40.24	33.06	13.89	29.93	199	202	P	H
		5931.4	55.74	-12.46	68.2	38.78	33.15	13.76	29.95	199	202	P	H
		5623	55.72	-12.48	68.2	39.33	32.47	13.72	29.8	256	281	P	V
		5693.2	58.7	-41.49	100.19	41.99	32.63	13.91	29.83	256	281	P	V
		5712.4	60.66	-48.01	108.67	43.87	32.67	13.96	29.84	256	281	P	V
		5724.4	63.49	-57.34	120.83	46.65	32.69	14	29.85	256	281	P	V
	*	5795	107.79	-	-	90.63	32.85	14.19	29.88	256	281	P	V
	*	5795	100.02	-	-	82.86	32.85	14.19	29.88	256	281	A	V
		5851.8	69.26	-48.84	118.1	52.17	32.97	14.03	29.91	256	281	P	V
		5857.2	64.77	-45.41	110.18	47.68	32.99	14.01	29.91	256	281	P	V
		5921.2	55.92	-15.08	71	38.94	33.13	13.79	29.94	256	281	P	V
		5941.4	55.52	-12.68	68.2	38.57	33.17	13.73	29.95	256	281	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 HT40 CH 151 5755MHz		11510	49.8	-24.2	74	54.71	39.69	18.39	62.99	100	0	P	H
		17265	49.33	-18.87	68.2	44.95	43.28	23.3	62.2	100	0	P	H
		11510	52.57	-21.43	74	57.48	39.69	18.39	62.99	233	111	P	V
		11510	41.45	-12.55	54	46.36	39.69	18.39	62.99	233	111	A	V
		17265	49.69	-18.51	68.2	45.31	43.28	23.3	62.2	100	0	P	V
802.11n HT40 CH 159 5795MHz		11590	49.68	-24.32	74	54.77	39.57	18.46	63.12	100	0	P	H
		17385	50.96	-17.24	68.2	45.75	43.9	23.47	62.16	100	0	P	H
		11590	48.47	-25.53	74	53.56	39.57	18.46	63.12	100	0	P	V
		17385	49.84	-18.36	68.2	44.63	43.9	23.47	62.16	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)
		5649.6	66.59	-1.61	68.2	50.08	32.53	13.79	29.81	206	201	P	H
		5698.8	83.66	-20.66	104.32	66.93	32.64	13.93	29.84	206	201	P	H
		5715.2	86.54	-22.92	109.46	69.74	32.67	13.97	29.84	206	201	P	H
		5720.2	87.56	-23.7	111.26	70.75	32.68	13.98	29.85	206	201	P	H
	*	5775	107.49	-	-	90.42	32.81	14.13	29.87	206	201	P	H
	*	5775	99.68	-	-	82.61	32.81	14.13	29.87	206	201	A	H
		5852.6	75.29	-40.98	116.27	58.2	32.98	14.02	29.91	206	201	P	H
		5855.4	75.39	-35.3	110.69	58.31	32.98	14.01	29.91	206	201	P	H
802.11ac		5877	68.45	-35.26	103.71	51.4	33.03	13.94	29.92	206	201	P	H
VHT80		5945.2	55.66	-12.54	68.2	38.72	33.18	13.71	29.95	206	201	P	H
CH 155		5650	60.67	-7.53	68.2	44.15	32.53	13.8	29.81	235	283	P	V
5775MHz		5693.8	77.34	-23.29	100.63	60.63	32.63	13.91	29.83	235	283	P	V
		5718.8	79.98	-30.48	110.46	63.17	32.68	13.98	29.85	235	283	P	V
		5722	81.65	-33.71	115.36	64.82	32.69	13.99	29.85	235	283	P	V
	*	5775	104.46	-	-	87.39	32.81	14.13	29.87	235	283	P	V
	*	5775	95.93	-	-	78.86	32.81	14.13	29.87	235	283	A	V
		5850.4	72.73	-48.56	121.29	55.64	32.97	14.03	29.91	235	283	P	V
		5862.6	69.68	-38.99	108.67	52.6	33	13.99	29.91	235	283	P	V
		5876.8	63.62	-40.24	103.86	46.57	33.03	13.94	29.92	235	283	P	V
		5932.4	54.99	-13.21	68.2	38.03	33.15	13.76	29.95	235	283	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 VHT80 CH 155 5775MHz		11550	47.83	-26.17	74	52.83	39.63	18.42	63.05	100	0	P	H
		17325	50.19	-18.01	68.2	45.39	43.59	23.39	62.18	100	0	P	H
		11550	47.73	-26.27	74	52.73	39.63	18.42	63.05	100	0	P	V
		17325	49.65	-18.55	68.2	44.85	43.59	23.39	62.18	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		104.69	27.29	-16.21	43.5	41.96	16.61	1.09	32.37	-	-	P	H
		215.27	28.76	-14.74	43.5	44.01	15.19	1.92	32.36	-	-	P	H
		348.16	35.78	-10.22	46	45.08	20.35	2.81	32.46	100	0	P	H
		733.25	30.98	-15.02	46	31.32	27.75	4.38	32.47	-	-	P	H
		853.53	32.61	-13.39	46	30.92	29.08	4.66	32.05	-	-	P	H
		886.51	35.46	-10.54	46	33.7	28.97	4.66	31.87	-	-	P	H
		110.51	29.57	-13.93	43.5	43.76	17.05	1.13	32.37	-	-	P	V
		241.46	30.9	-15.1	46	43.63	17.46	2.19	32.38	-	-	P	V
		346.22	38.33	-7.67	46	47.71	20.29	2.79	32.46	100	0	P	V
		620.73	30.99	-15.01	46	33.72	25.99	3.93	32.65	-	-	P	V
		885.54	35.82	-10.18	46	34.06	28.97	4.66	31.87	-	-	P	V
		891.36	35.49	-10.51	46	33.68	29	4.65	31.84	-	-	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5642.4	57.08	-11.12	68.2	40.61	32.51	13.77	29.81	193	212	P	H
		5697.2	62.58	-40.56	103.14	45.86	32.63	13.92	29.83	193	212	P	H
		5720	77.68	-33.12	110.8	60.87	32.68	13.98	29.85	193	212	P	H
		5724.8	87.35	-34.39	121.74	70.51	32.69	14	29.85	193	212	P	H
	*	5745	117.36	-	-	100.43	32.74	14.05	29.86	193	212	P	H
	*	5745	109.7	-	-	92.77	32.74	14.05	29.86	193	212	A	H
		5627.4	55.08	-13.12	68.2	38.67	32.48	13.73	29.8	225	97	P	V
		5698.2	59.27	-44.6	103.87	42.54	32.64	13.93	29.84	225	97	P	V
		5719.8	75.45	-35.29	110.74	58.64	32.68	13.98	29.85	225	97	P	V
		5725	85.23	-36.97	122.2	68.39	32.69	14	29.85	225	97	P	V
	*	5745	112.85	-	-	95.92	32.74	14.05	29.86	225	97	P	V
	*	5745	105.47	-	-	88.54	32.74	14.05	29.86	225	97	A	V

WIFI Ant. 0+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		5618.6	56.13	-12.07	68.2	39.76	32.46	13.71	29.8	192	201	P	H
		5690.4	56.13	-41.99	98.12	39.44	32.62	13.9	29.83	192	201	P	H
		5716.6	57.48	-52.37	109.85	40.67	32.68	13.97	29.84	192	201	P	H
		5720.6	63.45	-48.72	112.17	46.62	32.69	13.99	29.85	192	201	P	H
	*	5785	118.94	-	-	101.83	32.83	14.16	29.88	192	201	P	H
	*	5785	111.13	-	-	94.02	32.83	14.16	29.88	192	201	A	H
		5853.8	56.33	-57.21	113.54	39.24	32.98	14.02	29.91	192	201	P	H
		5872.4	55.83	-50.1	105.93	38.77	33.02	13.96	29.92	192	201	P	H
		5890	55.51	-38.56	94.07	38.48	33.06	13.9	29.93	192	201	P	H
		5925.2	54.4	-13.8	68.2	37.42	33.14	13.78	29.94	192	201	P	H
		5616.6	55.39	-12.81	68.2	39.03	32.46	13.7	29.8	260	87	P	V
		5656	56.42	-16.24	72.66	39.88	32.54	13.81	29.81	260	87	P	V
		5717.6	55.93	-54.2	110.13	39.11	32.68	13.98	29.84	260	87	P	V
		5724.6	56.5	-64.79	121.29	39.66	32.69	14	29.85	260	87	P	V
	*	5785	113.89	-	-	96.78	32.83	14.16	29.88	260	87	P	V
	*	5785	106.18	-	-	89.07	32.83	14.16	29.88	260	87	A	V
		5853	55.91	-59.45	115.36	38.82	32.98	14.02	29.91	260	87	P	V
		5872	55.82	-50.22	106.04	38.76	33.02	13.96	29.92	260	87	P	V
		5885.8	55.63	-41.55	97.18	38.6	33.05	13.91	29.93	260	87	P	V
		5934	55.2	-13	68.2	38.25	33.15	13.75	29.95	260	87	P	V

WIFI Ant. 0+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	117.27	-	-	100.13	32.92	14.12	29.9	201	212	P	H
	*	5825	109.84	-	-	92.7	32.92	14.12	29.9	201	212	A	H
		5850	83.22	-38.98	122.2	66.13	32.97	14.03	29.91	201	212	P	H
		5855.2	77.06	-33.68	110.74	59.97	32.98	14.02	29.91	201	212	P	H
		5877	58.33	-45.38	103.71	41.28	33.03	13.94	29.92	201	212	P	H
		5941.2	57.49	-10.71	68.2	40.54	33.17	13.73	29.95	201	212	P	H
	*	5825	111.87	-	-	94.73	32.92	14.12	29.9	256	94	P	V
	*	5825	104.46	-	-	87.32	32.92	14.12	29.9	256	94	A	V
		5850.4	74.8	-46.49	121.29	57.71	32.97	14.03	29.91	256	94	P	V
		5855.6	71.37	-39.26	110.63	54.29	32.98	14.01	29.91	256	94	P	V
		5878	55.94	-47.03	102.97	38.89	33.03	13.94	29.92	256	94	P	V
		5928.2	55.54	-12.66	68.2	38.58	33.14	13.77	29.95	256	94	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. 0+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	52.65	-21.35	74	57.56	39.71	18.37	62.99	128	186	P	H
		11490	41.94	-12.06	54	46.85	39.71	18.37	62.99	128	186	A	H
		17235	49.91	-18.29	68.2	45.73	43.12	23.27	62.21	100	0	P	H
		11490	49.61	-24.39	74	54.52	39.71	18.37	62.99	100	0	P	V
		17235	50.07	-18.13	68.2	45.89	43.12	23.27	62.21	100	0	P	V
802.11a CH 157 5785MHz		11570	52.04	-21.96	74	57.08	39.6	18.44	63.08	139	163	P	H
		11570	41.24	-12.76	54	46.28	39.6	18.44	63.08	139	163	A	H
		17355	48.87	-19.33	68.2	43.86	43.75	23.43	62.17	100	0	P	H
		11570	52.41	-21.59	74	57.45	39.6	18.44	63.08	127	139	P	V
		11570	41.76	-12.24	54	46.8	39.6	18.44	63.08	127	139	A	V
		17355	48.95	-19.25	68.2	43.94	43.75	23.43	62.17	100	0	P	V
802.11a CH 165 5825MHz		11650	55.02	-18.98	74	60.24	39.49	18.5	63.21	263	98	P	H
		11650	44.73	-9.27	54	49.95	39.49	18.5	63.21	263	98	A	H
		17475	50.46	-17.74	68.2	44.64	44.37	23.59	62.14	100	0	P	H
		11650	55.73	-18.27	74	60.95	39.49	18.5	63.21	259	112	P	V
		11650	44.97	-9.03	54	50.19	39.49	18.5	63.21	259	112	A	V
		17475	50.69	-17.51	68.2	44.87	44.37	23.59	62.14	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. 0+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)
		5642.4	56.63	-11.57	68.2	40.16	32.51	13.77	29.81	197	203	P	H
		5699.2	58.87	-45.74	104.61	42.14	32.64	13.93	29.84	197	203	P	H
		5720	77.17	-33.63	110.8	60.36	32.68	13.98	29.85	197	203	P	H
		5725	81.31	-40.89	122.2	64.47	32.69	14	29.85	197	203	P	H
802.11n	*	5745	116.43	-	-	99.5	32.74	14.05	29.86	197	203	P	H
HT20	*	5745	107.61	-	-	90.68	32.74	14.05	29.86	197	203	A	H
CH 149		5647	55.36	-12.84	68.2	38.86	32.52	13.79	29.81	228	89	P	V
5745MHz		5698.2	60.57	-43.3	103.87	43.84	32.64	13.93	29.84	228	89	P	V
		5720	71.27	-39.53	110.8	54.46	32.68	13.98	29.85	228	89	P	V
		5725	80.97	-41.23	122.2	64.13	32.69	14	29.85	228	89	P	V
	*	5745	112.37	-	-	95.44	32.74	14.05	29.86	228	89	P	V
	*	5745	103.99	-	-	87.06	32.74	14.05	29.86	228	89	A	V

WIFI Ant. 0+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)
		5604.8	56.79	-11.41	68.2	40.48	32.43	13.67	29.79	199	200	P	H
		5678.6	57.4	-32	89.4	40.77	32.59	13.87	29.83	199	200	P	H
		5704	59.6	-46.72	106.32	42.85	32.65	13.94	29.84	199	200	P	H
		5722.8	59.38	-57.8	117.18	42.55	32.69	13.99	29.85	199	200	P	H
	*	5785	117.79	-	-	100.68	32.83	14.16	29.88	199	200	P	H
	*	5785	109.13	-	-	92.02	32.83	14.16	29.88	199	200	A	H
		5853.4	55.78	-58.67	114.45	38.69	32.98	14.02	29.91	199	200	P	H
		5859.6	55.94	-53.57	109.51	38.86	32.99	14	29.91	199	200	P	H
802.11n		5894	55.75	-35.35	91.1	38.72	33.07	13.89	29.93	199	200	P	H
HT20		5930.4	55.47	-12.73	68.2	38.51	33.15	13.76	29.95	199	200	P	H
CH 157		5645.2	55.22	-12.98	68.2	38.73	32.52	13.78	29.81	236	88	P	V
5785MHz		5691.2	55.81	-42.9	98.71	39.11	32.62	13.91	29.83	236	88	P	V
		5702.2	56.27	-49.55	105.82	39.53	32.64	13.94	29.84	236	88	P	V
		5722.4	56.82	-59.45	116.27	39.99	32.69	13.99	29.85	236	88	P	V
	*	5785	113.54	-	-	96.43	32.83	14.16	29.88	236	88	P	V
	*	5785	105.19	-	-	88.08	32.83	14.16	29.88	236	88	A	V
		5854	55.74	-57.34	113.08	38.65	32.98	14.02	29.91	236	88	P	V
		5861.8	57.47	-51.42	108.89	40.39	33	13.99	29.91	236	88	P	V
		5911	56.51	-22.02	78.53	39.52	33.1	13.83	29.94	236	88	P	V
		5930.8	55.69	-12.51	68.2	38.73	33.15	13.76	29.95	236	88	P	V

WIFI Ant. 0+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	117.17	-	-	100.03	32.92	14.12	29.9	198	204	P	H
	*	5825	108.49	-	-	91.35	32.92	14.12	29.9	198	204	A	H
		5850.4	79.26	-42.03	121.29	62.17	32.97	14.03	29.91	198	204	P	H
		5855	71.46	-39.34	110.8	54.37	32.98	14.02	29.91	198	204	P	H
		5875.4	58.89	-46.01	104.9	41.83	33.03	13.95	29.92	198	204	P	H
		5936	55.32	-12.88	68.2	38.37	33.16	13.74	29.95	198	204	P	H
	*	5825	112.96	-	-	95.82	32.92	14.12	29.9	233	86	P	V
	*	5825	104	-	-	86.86	32.92	14.12	29.9	233	86	A	V
		5851.6	74.64	-43.91	118.55	57.55	32.97	14.03	29.91	233	86	P	V
		5855.4	69.18	-41.51	110.69	52.1	32.98	14.01	29.91	233	86	P	V
		5877	56.94	-46.77	103.71	39.89	33.03	13.94	29.92	233	86	P	V
		5940	54.86	-13.34	68.2	37.91	33.17	13.73	29.95	233	86	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. 0+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		11490	54.98	-19.02	74	59.89	39.71	18.37	62.99	188	226	P	H
		11490	44.09	-9.91	54	49	39.71	18.37	62.99	188	226	A	H
		17235	49.78	-18.42	68.2	45.6	43.12	23.27	62.21	100	0	P	H
		11490	54.71	-19.29	74	59.62	39.71	18.37	62.99	226	114	P	V
		11490	44.06	-9.94	54	48.97	39.71	18.37	62.99	226	114	A	V
		17235	49.73	-18.47	68.2	45.55	43.12	23.27	62.21	100	0	P	V
802.11n HT20 CH 157 5785MHz		11570	54.57	-19.43	74	59.61	39.6	18.44	63.08	192	242	P	H
		11570	43.34	-10.66	54	48.38	39.6	18.44	63.08	192	242	A	H
		17355	51.01	-17.19	68.2	46	43.75	23.43	62.17	100	0	P	H
		11570	49.83	-24.17	74	54.87	39.6	18.44	63.08	100	0	P	V
		17355	50.08	-18.12	68.2	45.07	43.75	23.43	62.17	100	0	P	V
802.11n HT20 CH 165 5825MHz		11650	55.25	-18.75	74	60.47	39.49	18.5	63.21	190	241	P	H
		11650	44.33	-9.67	54	49.55	39.49	18.5	63.21	190	241	A	H
		17475	49.56	-18.64	68.2	43.74	44.37	23.59	62.14	100	0	P	H
		11650	53.81	-20.19	74	59.03	39.49	18.5	63.21	218	137	P	V
		11650	42.99	-11.01	54	48.21	39.49	18.5	63.21	218	137	A	V
		17475	49.91	-18.29	68.2	44.09	44.37	23.59	62.14	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. 0+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)
		5649.4	57.14	-11.06	68.2	40.63	32.53	13.79	29.81	200	201	P	H
		5700	71.87	-33.33	105.2	55.14	32.64	13.93	29.84	200	201	P	H
		5720	86.28	-24.52	110.8	69.47	32.68	13.98	29.85	200	201	P	H
		5723.6	88.53	-30.48	119.01	71.7	32.69	13.99	29.85	200	201	P	H
	*	5755	114.11	-	-	97.13	32.76	14.08	29.86	200	201	P	H
	*	5755	104.99	-	-	88.01	32.76	14.08	29.86	200	201	A	H
		5855	55.69	-55.11	110.8	38.6	32.98	14.02	29.91	200	201	P	H
		5873.8	55.06	-50.48	105.54	38.01	33.02	13.95	29.92	200	201	P	H
802.11n		5895.8	55.87	-33.9	89.77	38.85	33.07	13.88	29.93	200	201	P	H
HT40		5931	54.57	-13.63	68.2	37.61	33.15	13.76	29.95	200	201	P	H
CH 151		5646	55.85	-12.35	68.2	39.36	32.52	13.78	29.81	223	89	P	V
5755MHz		5692.2	69.52	-29.93	99.45	52.82	32.62	13.91	29.83	223	89	P	V
		5719.8	82.11	-28.63	110.74	65.3	32.68	13.98	29.85	223	89	P	V
		5722.8	84.36	-32.82	117.18	67.53	32.69	13.99	29.85	223	89	P	V
	*	5755	110.21	-	-	93.23	32.76	14.08	29.86	223	89	P	V
	*	5755	101.22	-	-	84.24	32.76	14.08	29.86	223	89	A	V
		5852.8	54.26	-61.56	115.82	37.17	32.98	14.02	29.91	223	89	P	V
		5864	56.22	-52.06	108.28	39.14	33	13.99	29.91	223	89	P	V
		5920	55.24	-16.65	71.89	38.26	33.12	13.8	29.94	223	89	P	V
		5942.4	54.6	-13.6	68.2	37.66	33.17	13.72	29.95	223	89	P	V

WIFI Ant. 0+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		5613.8	55.72	-12.48	68.2	39.36	32.45	13.7	29.79	194	202	P	H
		5696.4	59.04	-43.51	102.55	42.32	32.63	13.92	29.83	194	202	P	H
		5716.2	65.74	-44	109.74	48.93	32.68	13.97	29.84	194	202	P	H
		5722.2	65.77	-50.05	115.82	48.94	32.69	13.99	29.85	194	202	P	H
	*	5795	114.13	-	-	96.97	32.85	14.19	29.88	194	202	P	H
	*	5795	105.07	-	-	87.91	32.85	14.19	29.88	194	202	A	H
		5851.8	69.51	-48.59	118.1	52.42	32.97	14.03	29.91	194	202	P	H
		5855.6	65.81	-44.82	110.63	48.73	32.98	14.01	29.91	194	202	P	H
		5877.8	58.03	-45.09	103.12	40.98	33.03	13.94	29.92	194	202	P	H
		5945.2	54.62	-13.58	68.2	37.68	33.18	13.71	29.95	194	202	P	H
		5648.4	55.17	-13.03	68.2	38.66	32.53	13.79	29.81	235	86	P	V
		5693.2	57.26	-42.93	100.19	40.55	32.63	13.91	29.83	235	86	P	V
		5718	60.32	-49.92	110.24	43.5	32.68	13.98	29.84	235	86	P	V
		5724	62.16	-57.76	119.92	45.33	32.69	13.99	29.85	235	86	P	V
	*	5795	109.65	-	-	92.49	32.85	14.19	29.88	235	86	P	V
	*	5795	100.84	-	-	83.68	32.85	14.19	29.88	235	86	A	V
		5850	63.7	-58.5	122.2	46.61	32.97	14.03	29.91	235	86	P	V
		5857.6	61.54	-48.53	110.07	44.45	32.99	14.01	29.91	235	86	P	V
		5875.6	55.55	-49.2	104.75	38.49	33.03	13.95	29.92	235	86	P	V
		5930.2	55.29	-12.91	68.2	38.33	33.15	13.76	29.95	235	86	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. 0+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	49.93	-24.07	74	54.84	39.69	18.39	62.99	100	0	P	H
HT40		17265	48.88	-19.32	68.2	44.5	43.28	23.3	62.2	100	0	P	H
CH 151		11510	48.93	-25.07	74	53.84	39.69	18.39	62.99	100	0	P	V
5755MHz		17265	49.73	-18.47	68.2	45.35	43.28	23.3	62.2	100	0	P	V
802.11n		11590	48.76	-25.24	74	53.85	39.57	18.46	63.12	100	0	P	H
HT40		17385	49.3	-18.9	68.2	44.09	43.9	23.47	62.16	100	0	P	H
CH 159		11590	48.75	-25.25	74	53.84	39.57	18.46	63.12	100	0	P	V
5795MHz		17385	48.9	-19.3	68.2	43.69	43.9	23.47	62.16	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. 0+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)
		5646.8	66.71	-1.49	68.2	50.21	32.52	13.79	29.81	178	160	P	H
		5695.6	84.98	-16.98	101.96	68.26	32.63	13.92	29.83	178	160	P	H
		5718.6	86.88	-23.53	110.41	70.06	32.68	13.98	29.84	178	160	P	H
		5722.4	86.52	-29.75	116.27	69.69	32.69	13.99	29.85	178	160	P	H
	*	5775	110.68	-	-	93.61	32.81	14.13	29.87	178	160	P	H
	*	5775	102.39	-	-	85.32	32.81	14.13	29.87	178	160	A	H
		5850.4	77.73	-43.56	121.29	60.64	32.97	14.03	29.91	178	160	P	H
		5859.4	77.69	-31.88	109.57	60.61	32.99	14	29.91	178	160	P	H
802.11ac		5876.6	68.94	-35.07	104.01	51.89	33.03	13.94	29.92	178	160	P	H
VHT80		5925.6	58.92	-9.28	68.2	41.94	33.14	13.78	29.94	178	160	P	H
CH 155		5642	61.25	-6.95	68.2	44.78	32.51	13.77	29.81	228	131	P	V
5775MHz		5698	77.21	-26.52	103.73	60.49	32.64	13.92	29.84	228	131	P	V
		5719.8	82.01	-28.73	110.74	65.2	32.68	13.98	29.85	228	131	P	V
		5724.6	82.74	-38.55	121.29	65.9	32.69	14	29.85	228	131	P	V
	*	5775	106.25	-	-	89.18	32.81	14.13	29.87	228	131	P	V
	*	5775	98.22	-	-	81.15	32.81	14.13	29.87	228	131	A	V
		5850.2	74.39	-47.35	121.74	57.3	32.97	14.03	29.91	228	131	P	V
		5857.4	74.56	-35.57	110.13	57.47	32.99	14.01	29.91	228	131	P	V
		5875.4	61.2	-43.7	104.9	44.14	33.03	13.95	29.92	228	131	P	V
		5926.2	55.21	-12.99	68.2	38.23	33.14	13.78	29.94	228	131	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. 0+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		11550	47.57	-26.43	74	52.57	39.63	18.42	63.05	100	0	P	H
		17325	48.64	-19.56	68.2	43.84	43.59	23.39	62.18	100	0	P	H
		11550	46.93	-27.07	74	51.93	39.63	18.42	63.05	100	0	P	V
		17325	49.75	-18.45	68.2	44.95	43.59	23.39	62.18	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. 0+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		103.72	26.73	-16.77	43.5	41.57	16.45	1.08	32.37	-	-	P	H
		196.84	29.55	-13.95	43.5	45.22	14.94	1.74	32.35	-	-	P	H
		273.47	30.37	-15.63	46	41.27	19.14	2.37	32.41	-	-	P	H
		348.16	34.97	-11.03	46	44.27	20.35	2.81	32.46	-	-	P	H
		417.03	28.67	-17.33	46	35.45	22.53	3.2	32.51	-	-	P	H
		892.33	37.32	-8.68	46	35.5	29	4.65	31.83	100	0	P	H
		108.57	30.59	-12.91	43.5	44.91	16.93	1.12	32.37	-	-	P	V
		242.43	30.45	-15.55	46	43.05	17.58	2.2	32.38	-	-	P	V
		347.19	37.17	-8.83	46	46.51	20.32	2.8	32.46	100	0	P	V
		353.98	36.91	-9.09	46	45.99	20.54	2.85	32.47	-	-	P	V
		419.94	33.65	-12.35	46	40.31	22.66	3.2	32.52	-	-	P	V
		958.29	33.9	-12.1	46	29.44	30.96	4.78	31.28	-	-	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5636.2	55.3	-12.9	68.2	38.85	32.5	13.76	29.81	197	12	P	H
		5695.2	60.24	-41.42	101.66	43.52	32.63	13.92	29.83	197	12	P	H
		5720	73.24	-37.56	110.8	56.43	32.68	13.98	29.85	197	12	P	H
		5724.8	81.46	-40.28	121.74	64.62	32.69	14	29.85	197	12	P	H
	*	5745	109.85	-	-	92.92	32.74	14.05	29.86	197	12	P	H
	*	5745	102.06	-	-	85.13	32.74	14.05	29.86	197	12	A	H
		5631.8	58.35	-9.85	68.2	41.91	32.49	13.75	29.8	151	324	P	V
		5700	68.8	-36.4	105.2	52.07	32.64	13.93	29.84	151	324	P	V
		5718.8	82.24	-28.22	110.46	65.43	32.68	13.98	29.85	151	324	P	V
		5725	89.78	-32.42	122.2	72.94	32.69	14	29.85	151	324	P	V
	*	5745	118.36	-	-	101.43	32.74	14.05	29.86	151	324	P	V
	*	5745	110.45	-	-	93.52	32.74	14.05	29.86	151	324	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		5635.8	55.79	-12.41	68.2	39.34	32.5	13.76	29.81	201	8	P	H
		5680.8	55.45	-35.58	91.03	38.8	32.6	13.88	29.83	201	8	P	H
		5720	55.58	-55.22	110.8	38.77	32.68	13.98	29.85	201	8	P	H
		5722	55.84	-59.52	115.36	39.01	32.69	13.99	29.85	201	8	P	H
	*	5785	108.52	-	-	91.41	32.83	14.16	29.88	201	8	P	H
	*	5785	100.49	-	-	83.38	32.83	14.16	29.88	201	8	A	H
		5850.6	54.15	-66.68	120.83	37.06	32.97	14.03	29.91	201	8	P	H
		5862.8	55.25	-53.36	108.61	38.17	33	13.99	29.91	201	8	P	H
		5906	56.4	-25.82	82.22	39.4	33.09	13.84	29.93	201	8	P	H
		5937	54.78	-13.42	68.2	37.83	33.16	13.74	29.95	201	8	P	H
		5635.8	57.04	-11.16	68.2	40.59	32.5	13.76	29.81	143	323	P	V
		5675.6	57.9	-29.28	87.18	41.27	32.59	13.86	29.82	143	323	P	V
		5718.2	61.78	-48.52	110.3	44.96	32.68	13.98	29.84	143	323	P	V
		5724	64.72	-55.2	119.92	47.89	32.69	13.99	29.85	143	323	P	V
	*	5785	117.97	-	-	100.86	32.83	14.16	29.88	143	323	P	V
	*	5785	109.99	-	-	92.88	32.83	14.16	29.88	143	323	A	V
		5853.2	57.67	-57.23	114.9	40.58	32.98	14.02	29.91	143	323	P	V
		5855.2	57.88	-52.86	110.74	40.79	32.98	14.02	29.91	143	323	P	V
		5886	56.5	-40.53	97.03	39.47	33.05	13.91	29.93	143	323	P	V
		5945.2	56	-12.2	68.2	39.06	33.18	13.71	29.95	143	323	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	108.74	-	-	91.6	32.92	14.12	29.9	201	11	P	H
	*	5825	100.74	-	-	83.6	32.92	14.12	29.9	201	11	A	H
		5850.4	76.03	-45.26	121.29	58.94	32.97	14.03	29.91	201	11	P	H
		5856	67.67	-42.85	110.52	50.59	32.98	14.01	29.91	201	11	P	H
		5898.8	56.44	-31.11	87.55	39.42	33.08	13.87	29.93	201	11	P	H
		5934.2	55.4	-12.8	68.2	38.44	33.16	13.75	29.95	201	11	P	H
	*	5825	116.46	-	-	99.32	32.92	14.12	29.9	150	321	P	V
	*	5825	108.68	-	-	91.54	32.92	14.12	29.9	150	321	A	V
		5850.4	82.83	-38.46	121.29	65.74	32.97	14.03	29.91	150	321	P	V
		5855	76.78	-34.02	110.8	59.69	32.98	14.02	29.91	150	321	P	V
		5876.2	59.64	-44.67	104.31	42.59	33.03	13.94	29.92	150	321	P	V
		5934.8	56.65	-11.55	68.2	39.69	33.16	13.75	29.95	150	321	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	47.61	-26.39	74	52.52	39.71	18.37	62.99	100	0	P	H
		17235	49.2	-19	68.2	45.02	43.12	23.27	62.21	100	0	P	H
		11490	47.25	-26.75	74	52.16	39.71	18.37	62.99	100	0	P	V
		17235	49.25	-18.95	68.2	45.07	43.12	23.27	62.21	100	0	P	V
802.11a CH 157 5785MHz		11570	49.67	-24.33	74	54.71	39.6	18.44	63.08	100	0	P	H
		17355	53.08	-15.12	68.2	48.07	43.75	23.43	62.17	100	0	P	H
		11570	49.48	-24.52	74	54.52	39.6	18.44	63.08	100	0	P	V
		17355	51.22	-16.98	68.2	46.21	43.75	23.43	62.17	100	0	P	V
802.11a CH 165 5825MHz		11650	46.59	-27.41	74	51.81	39.49	18.5	63.21	100	0	P	H
		17475	50.2	-18	68.2	44.38	44.37	23.59	62.14	100	0	P	H
		11650	47.62	-26.38	74	52.84	39.49	18.5	63.21	100	0	P	V
		17475	50.19	-18.01	68.2	44.37	44.37	23.59	62.14	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)
		5641	56.26	-11.94	68.2	39.79	32.51	13.77	29.81	200	10	P	H
		5697.2	59.38	-43.76	103.14	42.66	32.63	13.92	29.83	200	10	P	H
		5717.6	73.51	-36.62	110.13	56.69	32.68	13.98	29.84	200	10	P	H
		5722.8	81.57	-35.61	117.18	64.74	32.69	13.99	29.85	200	10	P	H
802.11n	*	5745	109.32	-	-	92.39	32.74	14.05	29.86	200	10	P	H
HT20	*	5745	101.28	-	-	84.35	32.74	14.05	29.86	200	10	A	H
CH 149		5643.8	57.26	-10.94	68.2	40.77	32.52	13.78	29.81	150	318	P	V
5745MHz		5699	66.71	-37.75	104.46	49.98	32.64	13.93	29.84	150	318	P	V
		5719.6	82.49	-28.2	110.69	65.68	32.68	13.98	29.85	150	318	P	V
		5724.2	93.86	-26.52	120.38	77.02	32.69	14	29.85	150	318	P	V
	*	5745	118.63	-	-	101.7	32.74	14.05	29.86	150	318	P	V
	*	5745	111.19	-	-	94.26	32.74	14.05	29.86	150	318	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)
		5601.2	55.17	-13.03	68.2	38.88	32.42	13.66	29.79	211	9	P	H
		5681.2	55.38	-35.95	91.33	38.73	32.6	13.88	29.83	211	9	P	H
		5715.8	56.65	-52.98	109.63	39.85	32.67	13.97	29.84	211	9	P	H
		5724.8	57.48	-64.26	121.74	40.64	32.69	14	29.85	211	9	P	H
	*	5785	108.51	-	-	91.4	32.83	14.16	29.88	211	9	P	H
	*	5785	100.21	-	-	83.1	32.83	14.16	29.88	211	9	A	H
		5850.6	53.71	-67.12	120.83	36.62	32.97	14.03	29.91	211	9	P	H
		5871.8	55.17	-50.92	106.09	38.11	33.02	13.96	29.92	211	9	P	H
802.11n		5897.4	55.49	-33.1	88.59	38.48	33.07	13.87	29.93	211	9	P	H
HT20		5950	55.04	-13.16	68.2	38.11	33.19	13.7	29.96	211	9	P	H
CH 157		5649	56.31	-11.89	68.2	39.8	32.53	13.79	29.81	151	321	P	V
5785MHz		5654.2	58.77	-12.55	71.32	42.23	32.54	13.81	29.81	151	321	P	V
		5718.4	62.23	-48.12	110.35	45.41	32.68	13.98	29.84	151	321	P	V
		5725	64.65	-57.55	122.2	47.81	32.69	14	29.85	151	321	P	V
	*	5785	117.83	-	-	100.72	32.83	14.16	29.88	151	321	P	V
	*	5785	109.54	-	-	92.43	32.83	14.16	29.88	151	321	A	V
		5850.8	57.94	-62.44	120.38	40.85	32.97	14.03	29.91	151	321	P	V
		5858.8	55.62	-54.11	109.73	38.54	32.99	14	29.91	151	321	P	V
		5912.8	55.56	-21.64	77.2	38.57	33.11	13.82	29.94	151	321	P	V
		5925.2	55.96	-12.24	68.2	38.98	33.14	13.78	29.94	151	321	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	108.1	-	-	90.96	32.92	14.12	29.9	176	8	P	H
	*	5825	99.92	-	-	82.78	32.92	14.12	29.9	176	8	A	H
		5850.6	70.97	-49.86	120.83	53.88	32.97	14.03	29.91	176	8	P	H
		5856.4	68.23	-42.18	110.41	51.15	32.98	14.01	29.91	176	8	P	H
		5910.6	56.19	-22.63	78.82	39.2	33.1	13.83	29.94	176	8	P	H
		5939.6	55.01	-13.19	68.2	38.06	33.17	13.73	29.95	176	8	P	H
	*	5825	116.54	-	-	99.4	32.92	14.12	29.9	139	324	P	V
	*	5825	108.52	-	-	91.38	32.92	14.12	29.9	139	324	A	V
		5850.6	79.41	-41.42	120.83	62.32	32.97	14.03	29.91	139	324	P	V
		5856	76.75	-33.77	110.52	59.67	32.98	14.01	29.91	139	324	P	V
		5875.2	59.57	-45.48	105.05	42.51	33.03	13.95	29.92	139	324	P	V
		5935	55.21	-12.99	68.2	38.25	33.16	13.75	29.95	139	324	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		11490	46.84	-27.16	74	51.75	39.71	18.37	62.99	100	0	P	H
HT20		17235	49.92	-18.28	68.2	45.74	43.12	23.27	62.21	100	0	P	H
CH 149		11490	47.23	-26.77	74	52.14	39.71	18.37	62.99	100	0	P	V
5745MHz		17235	49.03	-19.17	68.2	44.85	43.12	23.27	62.21	100	0	P	V
802.11n		11570	46.66	-27.34	74	51.7	39.6	18.44	63.08	100	0	P	H
HT20		17355	48.46	-19.74	68.2	43.45	43.75	23.43	62.17	100	0	P	H
CH 157		11570	47.13	-26.87	74	52.17	39.6	18.44	63.08	100	0	P	V
5785MHz		17355	49.75	-18.45	68.2	44.74	43.75	23.43	62.17	100	0	P	V
802.11n		11650	46.95	-27.05	74	52.17	39.49	18.5	63.21	100	0	P	H
HT20		17475	49.55	-18.65	68.2	43.73	44.37	23.59	62.14	100	0	P	H
CH 165		11650	46.49	-27.51	74	51.71	39.49	18.5	63.21	100	0	P	V
5825MHz		17475	49.59	-18.61	68.2	43.77	44.37	23.59	62.14	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

Emission below 1GHz

5GHz WIFI 802.11a (LF @ 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.
2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		134.76	32.01	-11.49	43.5	45.57	17.44	1.36	32.36	100	0	P	H
		234.67	33.13	-12.87	46	46.66	16.73	2.12	32.38	-	-	P	H
		353.01	34.41	-11.59	46	43.53	20.51	2.84	32.47	-	-	P	H
		624.61	29.21	-16.79	46	31.87	26.04	3.94	32.64	-	-	P	H
		761.38	30.6	-15.4	46	30.31	28.23	4.49	32.43	-	-	P	H
		959.26	34.09	-11.91	46	29.57	30.99	4.8	31.27	-	-	P	H
		33.88	28.84	-11.16	40	38.46	22.58	0.25	32.45	-	-	P	V
		134.76	30.19	-13.31	43.5	43.75	17.44	1.36	32.36	-	-	P	V
		196.84	31.62	-11.88	43.5	47.29	14.94	1.74	32.35	-	-	P	V
		342.34	35.55	-10.45	46	45.08	20.16	2.77	32.46	100	0	P	V
		480.08	33.3	-12.7	46	39.02	23.59	3.25	32.56	-	-	P	V
		936.95	33.76	-12.24	46	30.26	30.34	4.62	31.46	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

<TXBF Mode>

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT20 (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.
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		5643.8	57.54	-10.66	68.2	41.05	32.52	13.78	29.81	192	177	P	H
		5698.8	59.01	-45.31	104.32	42.28	32.64	13.93	29.84	192	177	P	H
		5718.8	67.21	-43.25	110.46	50.4	32.68	13.98	29.85	192	177	P	H
		5724.8	73.88	-47.86	121.74	57.04	32.69	14	29.85	192	177	P	H
802.11ac	*	5745	110.66	-	-	93.73	32.74	14.05	29.86	192	177	P	H
VHT20	*	5745	103.43	-	-	86.5	32.74	14.05	29.86	192	177	A	H
CH 149		5604	56.51	-11.69	68.2	40.2	32.43	13.67	29.79	248	99	P	V
5745MHz		5680	56.22	-34.22	90.44	39.57	32.6	13.88	29.83	248	99	P	V
		5719.6	63.63	-47.06	110.69	46.82	32.68	13.98	29.85	248	99	P	V
		5724.4	69.31	-51.52	120.83	52.47	32.69	14	29.85	248	99	P	V
	*	5745	109.87	-	-	92.94	32.74	14.05	29.86	248	99	P	V
	*	5745	101.87	-	-	84.94	32.74	14.05	29.86	248	99	A	V

WIFI Ant. 0+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)
		5600.2	56.56	-11.64	68.2	40.27	32.42	13.66	29.79	183	171	P	H
		5652.8	57.75	-12.53	70.28	41.22	32.54	13.8	29.81	183	171	P	H
		5712	58.03	-50.53	108.56	41.24	32.67	13.96	29.84	183	171	P	H
		5721	56.73	-56.35	113.08	39.9	32.69	13.99	29.85	183	171	P	H
	*	5785	110.98	-	-	93.87	32.83	14.16	29.88	183	171	P	H
	*	5785	103.69	-	-	86.58	32.83	14.16	29.88	183	171	A	H
		5852.4	56.2	-60.53	116.73	39.11	32.98	14.02	29.91	183	171	P	H
		5860.6	56.66	-52.57	109.23	39.58	32.99	14	29.91	183	171	P	H
802.11ac		5884.6	56.82	-41.25	98.07	39.77	33.05	13.92	29.92	183	171	P	H
VHT20		5943.2	56.32	-11.88	68.2	39.37	33.18	13.72	29.95	183	171	P	H
CH 157		5617.6	56.74	-11.46	68.2	40.37	32.46	13.71	29.8	255	97	P	V
5785MHz		5656	56.48	-16.18	72.66	39.94	32.54	13.81	29.81	255	97	P	V
		5710.4	57.37	-50.74	108.11	40.59	32.66	13.96	29.84	255	97	P	V
		5721.6	57.25	-57.2	114.45	40.42	32.69	13.99	29.85	255	97	P	V
	*	5785	109.05	-	-	91.94	32.83	14.16	29.88	255	97	P	V
	*	5785	101.76	-	-	84.65	32.83	14.16	29.88	255	97	A	V
		5850	55.62	-66.58	122.2	38.53	32.97	14.03	29.91	255	97	P	V
		5863.8	55.53	-52.8	108.33	38.45	33	13.99	29.91	255	97	P	V
		5882.2	56.68	-43.17	99.85	39.64	33.04	13.92	29.92	255	97	P	V
		5936.4	56.6	-11.6	68.2	39.65	33.16	13.74	29.95	255	97	P	V

WIFI Ant. 0+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)
	*	5825	110.01	-	-	92.87	32.92	14.12	29.9	175	173	P	H
	*	5825	102.68	-	-	85.54	32.92	14.12	29.9	175	173	A	H
		5851	64.39	-55.53	119.92	47.3	32.97	14.03	29.91	175	173	P	H
		5856.4	59.48	-50.93	110.41	42.4	32.98	14.01	29.91	175	173	P	H
802.11ac		5881	56.85	-43.89	100.74	39.8	33.04	13.93	29.92	175	173	P	H
VHT20		5940.2	56.11	-12.09	68.2	39.16	33.17	13.73	29.95	175	173	P	H
CH 165	*	5825	108.74	-	-	91.6	32.92	14.12	29.9	252	96	P	V
5825MHz	*	5825	100.85	-	-	83.71	32.92	14.12	29.9	252	96	A	V
		5850.4	60.6	-60.69	121.29	43.51	32.97	14.03	29.91	252	96	P	V
		5855.4	56.77	-53.92	110.69	39.69	32.98	14.01	29.91	252	96	P	V
		5899	57.09	-30.31	87.4	40.07	33.08	13.87	29.93	252	96	P	V
		5936.8	55.21	-12.99	68.2	38.26	33.16	13.74	29.95	252	96	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 VHT20 (Harmonic @ 3m)

WIFI Ant. 0+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		11490	47.1	-26.9	74	49.77	39.71	18.37	60.75	100	0	P	H
VHT20		17235	50.78	-17.42	68.2	41.31	43.12	23.27	56.92	100	0	P	H
CH 149		11490	45.64	-28.36	74	48.31	39.71	18.37	60.75	100	0	P	V
5745MHz		17235	50.69	-17.51	68.2	41.22	43.12	23.27	56.92	100	0	P	V
802.11ac		11570	45.09	-28.91	74	47.81	39.6	18.44	60.76	100	0	P	H
VHT20		17355	50.31	-17.89	68.2	39.61	43.75	23.43	56.48	100	0	P	H
CH 157		11570	45.04	-28.96	74	47.76	39.6	18.44	60.76	100	0	P	V
5785MHz		17355	50.85	-17.35	68.2	40.15	43.75	23.43	56.48	100	0	P	V
802.11ac		11650	45.72	-28.28	74	48.48	39.49	18.5	60.75	100	0	P	H
VHT20		17475	51.85	-16.35	68.2	39.94	44.37	23.59	56.05	100	0	P	H
CH 165		11650	45.32	-28.68	74	48.08	39.49	18.5	60.75	100	0	P	V
5825MHz		17475	51.28	-16.92	68.2	39.37	44.37	23.59	56.05	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 VHT40 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5616.2	56.32	-11.88	68.2	39.96	32.46	13.7	29.8	166	177	P	H
		5692	62.18	-37.12	99.3	45.48	32.62	13.91	29.83	166	177	P	H
		5719.4	73.77	-36.86	110.63	56.96	32.68	13.98	29.85	166	177	P	H
		5724.6	74.09	-47.2	121.29	57.25	32.69	14	29.85	166	177	P	H
	*	5755	107.32	-	-	90.34	32.76	14.08	29.86	166	177	P	H
	*	5755	99.79	-	-	82.81	32.76	14.08	29.86	166	177	A	H
		5851.6	55.98	-62.57	118.55	38.89	32.97	14.03	29.91	166	177	P	H
		5861	55.34	-53.78	109.12	38.26	32.99	14	29.91	166	177	P	H
802.11ac		5894.6	57.31	-33.35	90.66	40.29	33.07	13.88	29.93	166	177	P	H
VHT40		5932.6	55.95	-12.25	68.2	38.99	33.15	13.76	29.95	166	177	P	H
CH 151		5617	56.67	-11.53	68.2	40.3	32.46	13.71	29.8	253	99	P	V
5755MHz		5700	60.95	-44.25	105.2	44.22	32.64	13.93	29.84	253	99	P	V
		5719.6	69.97	-40.72	110.69	53.16	32.68	13.98	29.85	253	99	P	V
		5723.8	71.24	-48.22	119.46	54.41	32.69	13.99	29.85	253	99	P	V
	*	5755	105.97	-	-	88.99	32.76	14.08	29.86	253	99	P	V
	*	5755	98.07	-	-	81.09	32.76	14.08	29.86	253	99	A	V
		5850	54.7	-67.5	122.2	37.61	32.97	14.03	29.91	253	99	P	V
		5866.2	55.27	-52.39	107.66	38.2	33.01	13.98	29.92	253	99	P	V
		5906.4	55.87	-26.06	81.93	38.88	33.09	13.84	29.94	253	99	P	V
		5925.8	56.55	-11.65	68.2	39.57	33.14	13.78	29.94	253	99	P	V

WIFI Ant. 0+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 VHT40 CH 159 5795MHz		5647.2	56.91	-11.29	68.2	40.41	32.52	13.79	29.81	173	173	P	H
		5679.8	57.02	-33.27	90.29	40.37	32.6	13.88	29.83	173	173	P	H
		5700.6	57.37	-48	105.37	40.64	32.64	13.93	29.84	173	173	P	H
		5724	59.21	-60.71	119.92	42.38	32.69	13.99	29.85	173	173	P	H
	*	5795	107.86	-	-	90.7	32.85	14.19	29.88	173	173	P	H
	*	5795	99.98	-	-	82.82	32.85	14.19	29.88	173	173	A	H
		5850.6	58.75	-62.08	120.83	41.66	32.97	14.03	29.91	173	173	P	H
		5860.8	57.94	-51.23	109.17	40.86	32.99	14	29.91	173	173	P	H
		5876.8	56.99	-46.87	103.86	39.94	33.03	13.94	29.92	173	173	P	H
		5943.4	56.17	-12.03	68.2	39.22	33.18	13.72	29.95	173	173	P	H
		5614.2	56.19	-12.01	68.2	39.83	32.45	13.7	29.79	255	98	P	V
		5695.6	56.6	-45.36	101.96	39.88	32.63	13.92	29.83	255	98	P	V
		5702.6	57.62	-48.31	105.93	40.87	32.65	13.94	29.84	255	98	P	V
		5721.4	58.22	-55.77	113.99	41.39	32.69	13.99	29.85	255	98	P	V
	*	5795	105.16	-	-	88	32.85	14.19	29.88	255	98	P	V
	*	5795	97.39	-	-	80.23	32.85	14.19	29.88	255	98	A	V
		5851.8	57.12	-60.98	118.1	40.03	32.97	14.03	29.91	255	98	P	V
		5855	55.82	-54.98	110.8	38.73	32.98	14.02	29.91	255	98	P	V
		5884	55.6	-42.92	98.52	38.56	33.04	13.92	29.92	255	98	P	V
		5949.6	57.8	-10.4	68.2	40.87	33.19	13.7	29.96	255	98	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 VHT40 (Harmonic @ 3m)

WIFI Ant. 0+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 VHT40 CH 151 5755MHz		11510	45.13	-28.87	74	47.81	39.69	18.39	60.76	100	0	P	H
		17265	50.04	-18.16	68.2	40.27	43.28	23.3	56.81	100	0	P	H
		11510	45.93	-28.07	74	48.61	39.69	18.39	60.76	100	0	P	V
		17265	50.25	-17.95	68.2	40.48	43.28	23.3	56.81	100	0	P	V
		17385	50.83	-17.37	68.2	39.84	43.9	23.47	56.38	100	0	P	H
		11590	45.01	-28.99	74	47.74	39.57	18.46	60.76	100	0	P	V
		17385	51.89	-16.31	68.2	40.9	43.9	23.47	56.38	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. 0+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		5647.4	59.85	-8.35	68.2	43.35	32.52	13.79	29.81	183	172	P	H
		5696.2	73.41	-28.99	102.4	56.69	32.63	13.92	29.83	183	172	P	H
		5718.4	82.48	-27.87	110.35	65.66	32.68	13.98	29.84	183	172	P	H
		5723.6	78.68	-40.33	119.01	61.85	32.69	13.99	29.85	183	172	P	H
	*	5775	106.2	-	-	89.13	32.81	14.13	29.87	183	172	P	H
	*	5775	99.54	-	-	82.47	32.81	14.13	29.87	183	172	A	H
		5850.6	68.53	-52.3	120.83	51.44	32.97	14.03	29.91	183	172	P	H
		5861.2	71.47	-37.59	109.06	54.4	32.99	13.99	29.91	183	172	P	H
		5877.2	60.33	-43.24	103.57	43.28	33.03	13.94	29.92	183	172	P	H
		5934.2	56.8	-11.4	68.2	39.84	33.16	13.75	29.95	183	172	P	H
		5645.6	58.06	-10.14	68.2	41.57	32.52	13.78	29.81	249	98	P	V
		5697.6	71.03	-32.4	103.43	54.31	32.63	13.92	29.83	249	98	P	V
		5718.6	76.38	-34.03	110.41	59.56	32.68	13.98	29.84	249	98	P	V
		5725	75.01	-47.19	122.2	58.17	32.69	14	29.85	249	98	P	V
	*	5775	103.3	-	-	86.23	32.81	14.13	29.87	249	98	P	V
	*	5775	94.56	-	-	77.49	32.81	14.13	29.87	249	98	A	V
		5850.4	65.77	-55.52	121.29	48.68	32.97	14.03	29.91	249	98	P	V
		5863.2	63.72	-44.78	108.5	46.64	33	13.99	29.91	249	98	P	V
		5921	56.97	-14.18	71.15	39.99	33.13	13.79	29.94	249	98	P	V
		5930.6	56.68	-11.52	68.2	39.72	33.15	13.76	29.95	249	98	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. 0+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		11550	45.7	-28.3	74	48.41	39.63	18.42	60.76	100	0	P	H
		17325	51.78	-16.42	68.2	41.39	43.59	23.39	56.59	100	0	P	H
		11550	45.51	-28.49	74	48.22	39.63	18.42	60.76	100	0	P	V
		17325	51.16	-17.04	68.2	40.77	43.59	23.39	56.59	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. 0+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		134.76	32.77	-10.73	43.5	46.33	17.44	1.36	32.36	-	-	P	H
		196.84	32.47	-11.03	43.5	48.14	14.94	1.74	32.35	-	-	P	H
		215.27	33.15	-10.35	43.5	48.4	15.19	1.92	32.36	-	-	P	H
		345.25	37.74	-8.26	46	47.15	20.26	2.79	32.46	100	0	P	H
		837.04	31.02	-14.98	46	29.77	28.83	4.57	32.15	-	-	P	H
		891.36	33.75	-12.25	46	31.94	29	4.65	31.84	-	-	P	H
		134.76	31.08	-12.42	43.5	44.64	17.44	1.36	32.36	-	-	P	V
		285.11	32.27	-13.73	46	43.35	18.91	2.43	32.42	-	-	P	V
		346.22	35.58	-10.42	46	44.96	20.29	2.79	32.46	100	0	P	V
		416.06	32.8	-13.2	46	39.62	22.49	3.2	32.51	-	-	P	V
		623.64	31.78	-14.22	46	34.46	26.02	3.94	32.64	-	-	P	V
		890.39	34.73	-11.27	46	32.93	28.99	4.65	31.84	-	-	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.	
0+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".

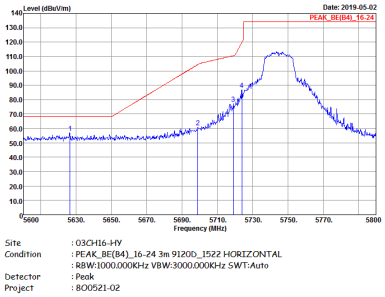
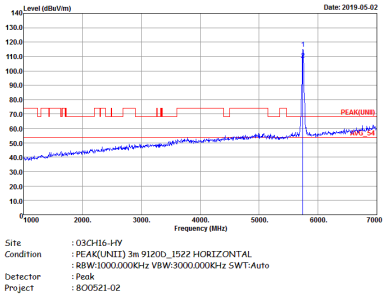
Appendix D. Radiated Spurious Emission Plots

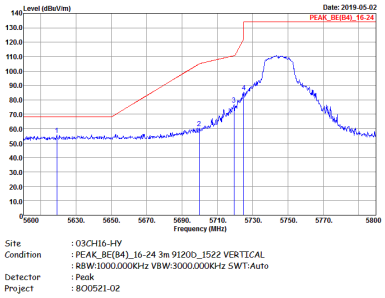
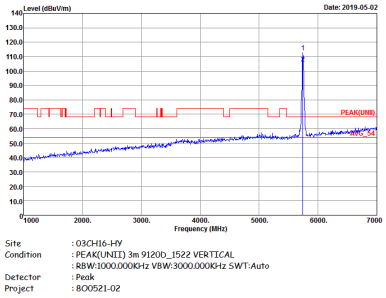
Test Engineer :	Jacky Hung, Austin Li and CR Liao	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

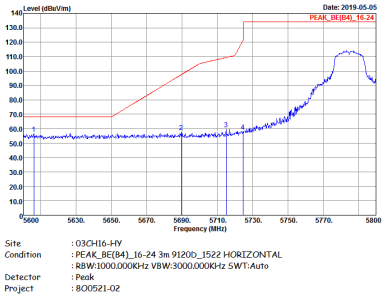
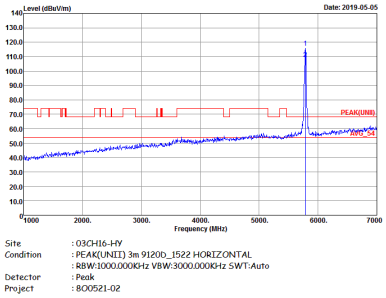
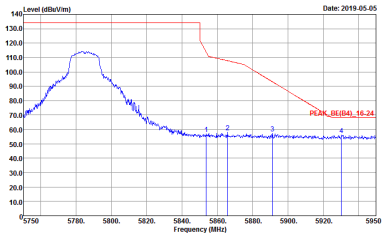
<CCD Mode>

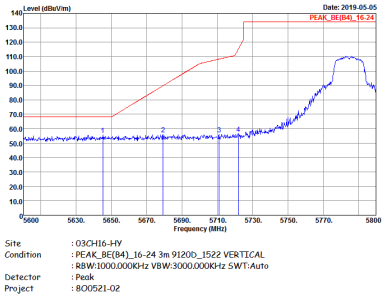
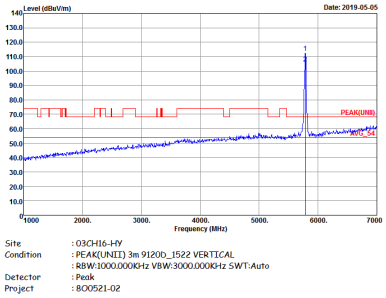
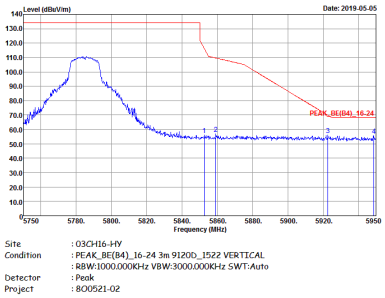
Band 4 - 5725~5850MHz

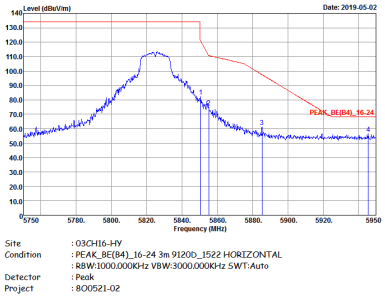
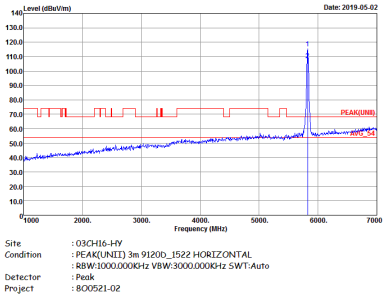
WIFI 802.11a (Band Edge @ 3m)

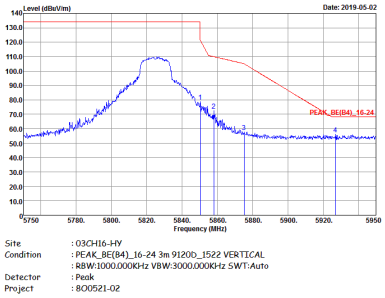
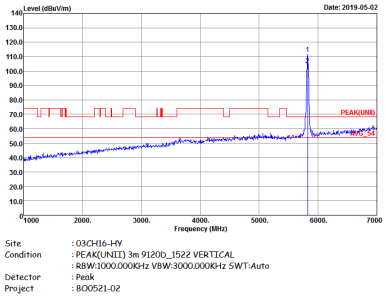
WIFI	**Band 4 5725~5850MHz Band Edge @ 3m**	
ANT	**802.11a CH149 5745MHz**	
0	**Horizontal**	**Fundamental**
Peak		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	Left blank

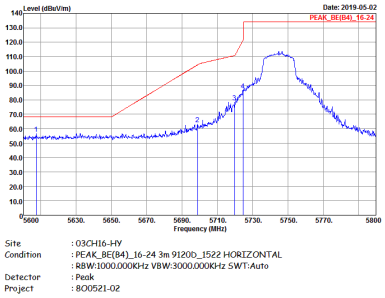
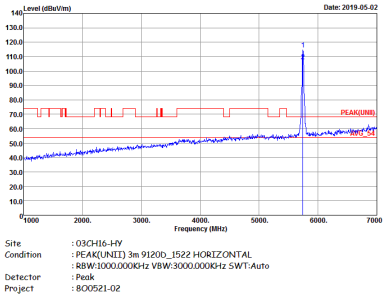
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0	Vertical	Fundamental
Peak		
Peak		Left blank

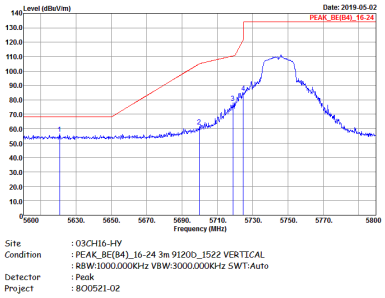
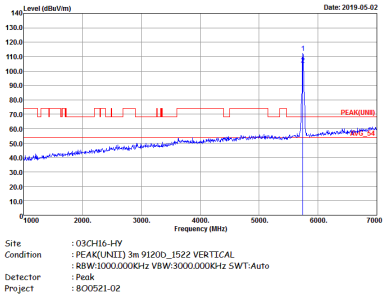
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0	Horizontal	Fundamental
Peak		

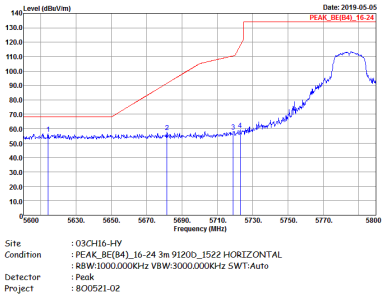
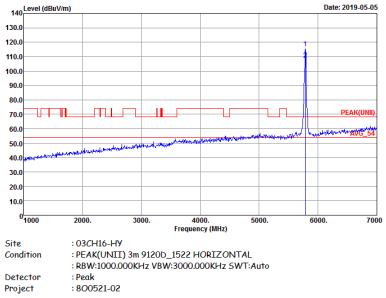
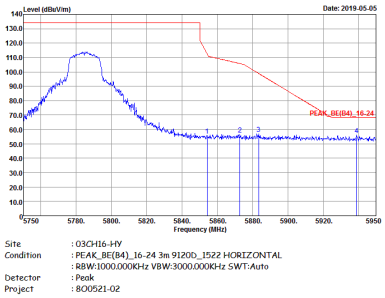
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0	Vertical	Fundamental
Peak		

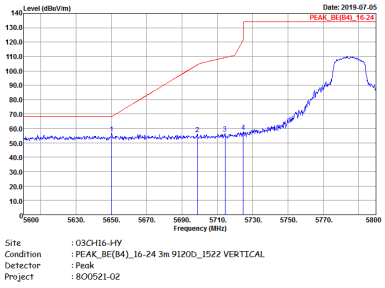
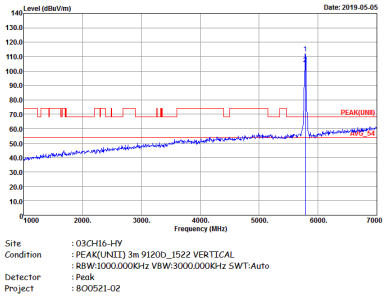
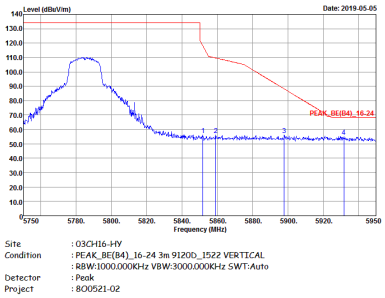
Band 4 5725~5850MHz

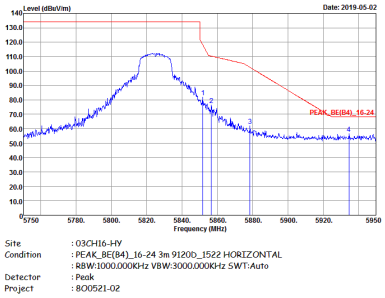
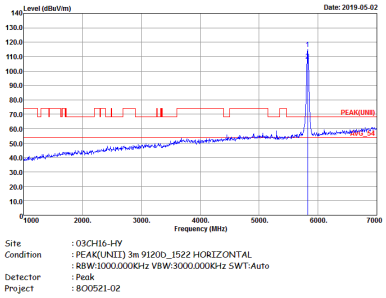
WIFI 802.11n HT20 (Band Edge @ 3m)

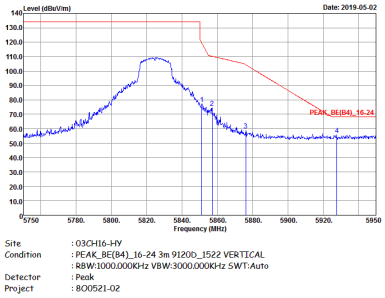
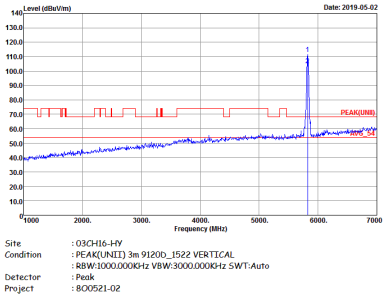
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
0	Horizontal	Fundamental
Peak		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0	Horizontal	Fundamental
Peak		
Peak		Left blank

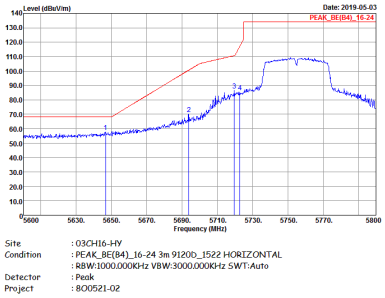
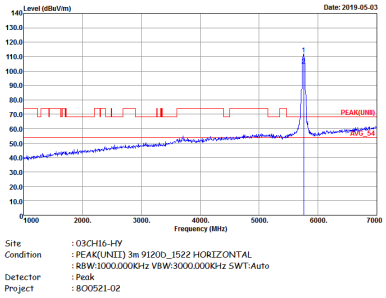
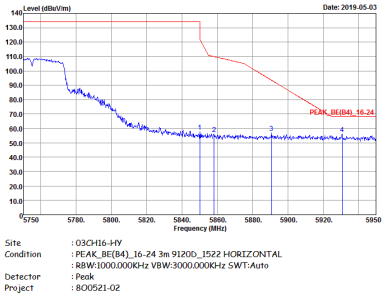
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0	Vertical	Fundamental
Peak		
Peak		Left blank

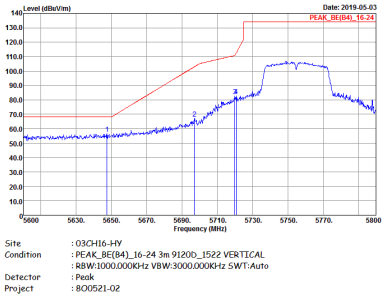
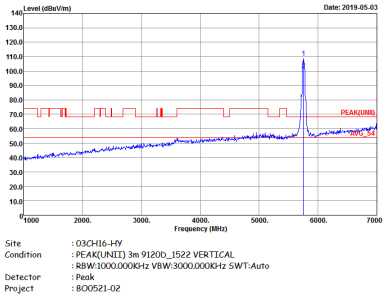
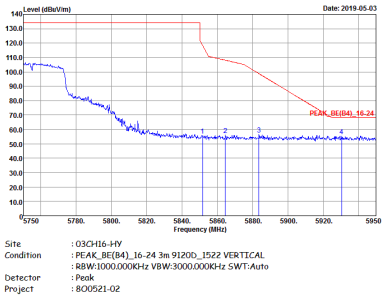
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
0	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02

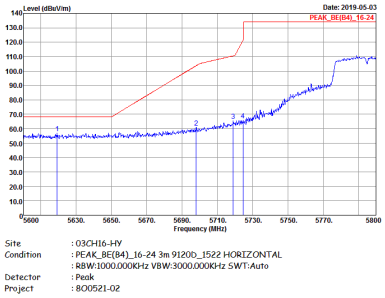
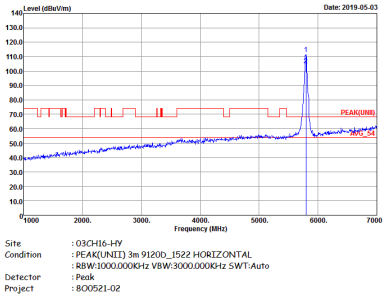
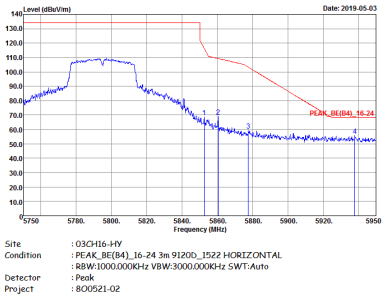
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
0	Vertical	Fundamental
Peak		

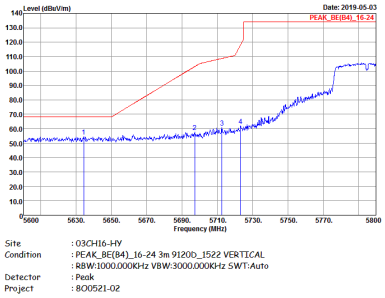
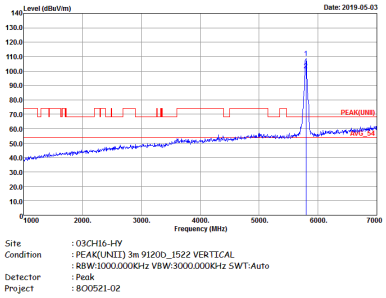
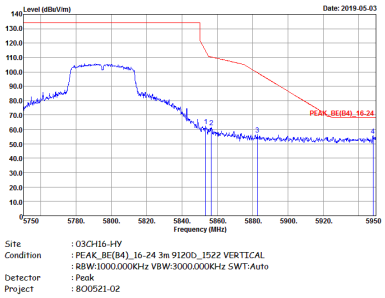
Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

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

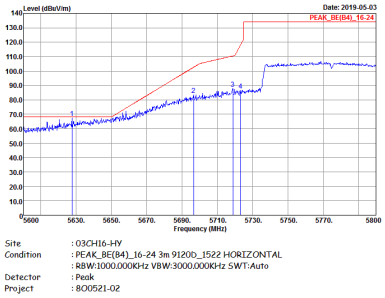
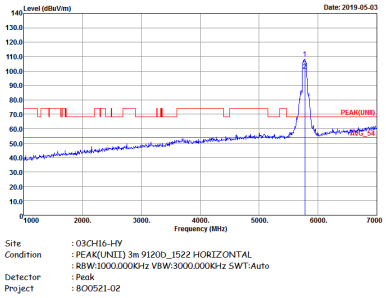
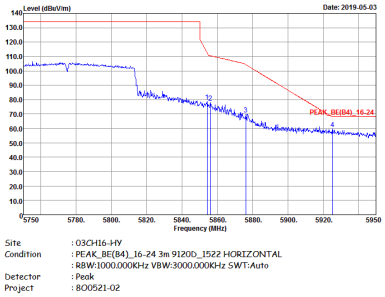
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
0	Vertical	Fundamental
Peak		
Peak		Left blank

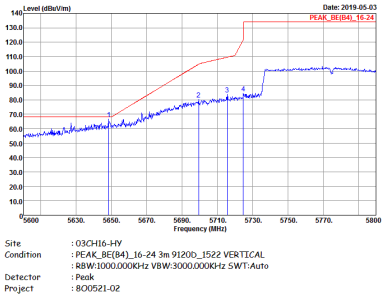
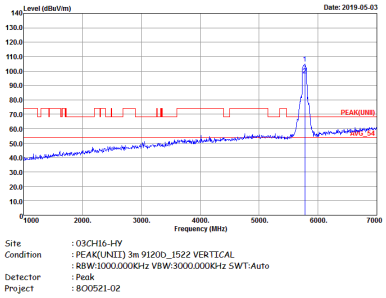
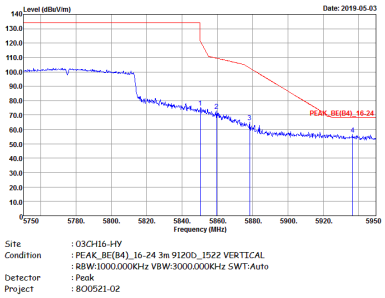
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

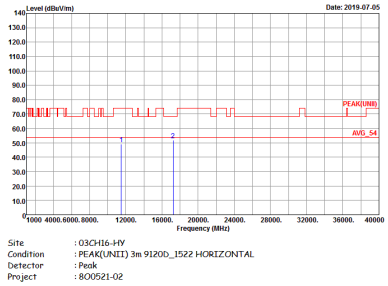
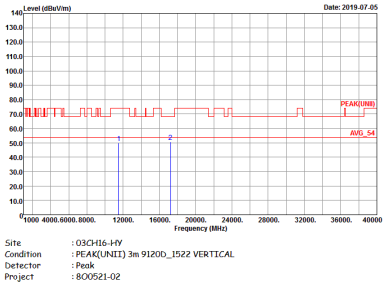
WIFI 802.11ac VHT80 (Band Edge @ 3m)

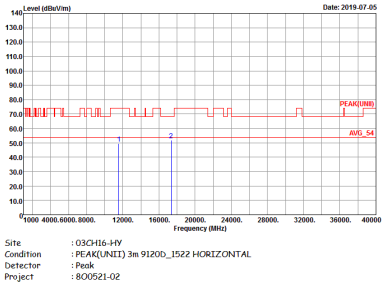
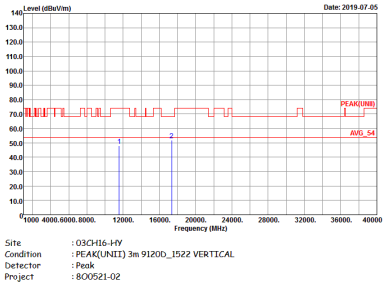
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0	Horizontal	Fundamental
Peak		
Peak		Left blank

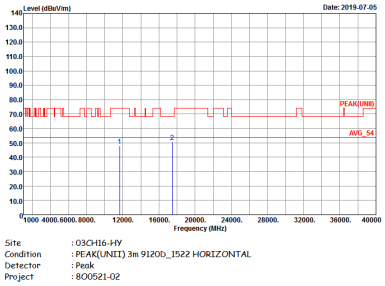
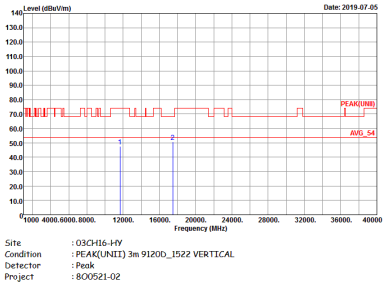
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

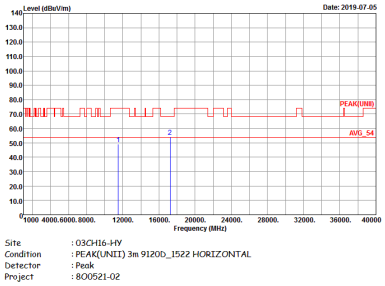
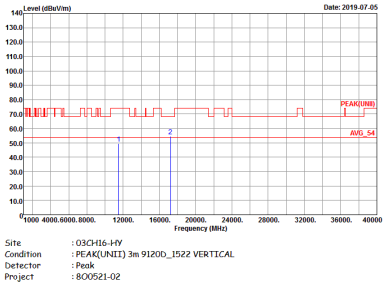
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0	Horizontal	Vertical
Peak Avg.		

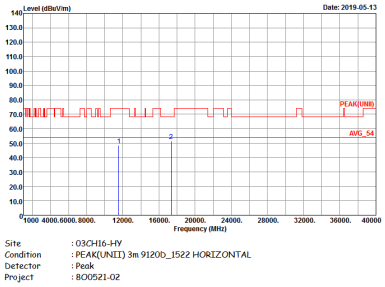
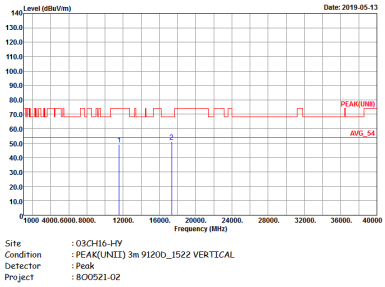
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 800521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 800521-02

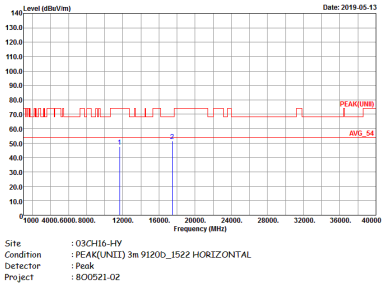
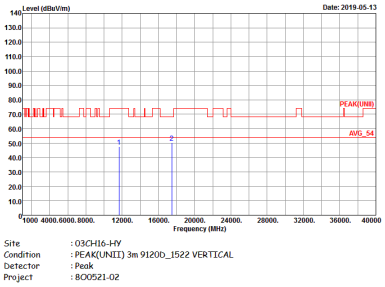
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 800521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 800521-02

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

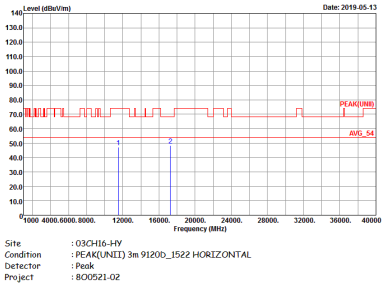
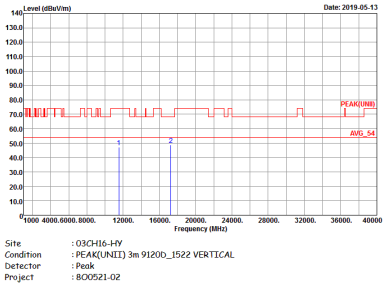
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
0	Horizontal	Vertical
Peak Avg.		

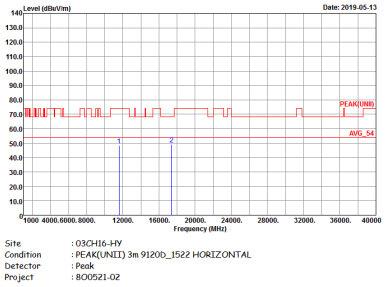
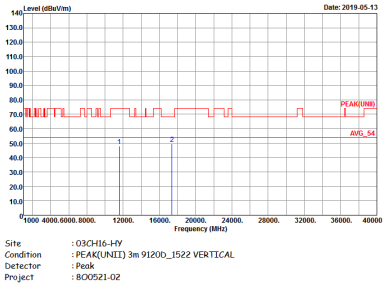
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
0	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

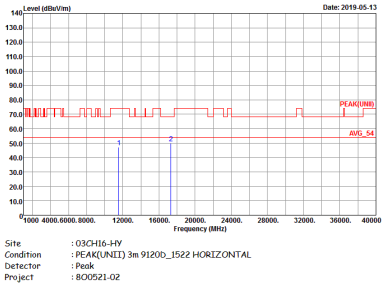
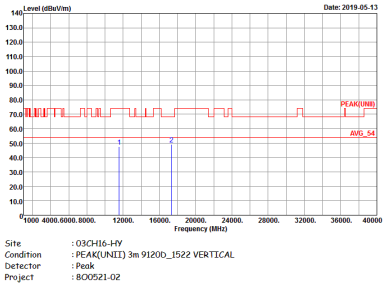
WIFI 802.11n HT40 (Harmonic @ 3m)

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0	Horizontal	Vertical
Peak Avg.		

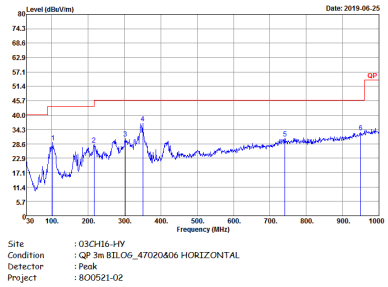
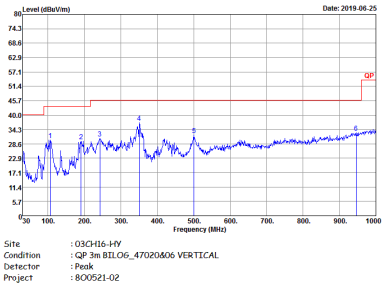
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0	Horizontal	Vertical
Peak Avg.		

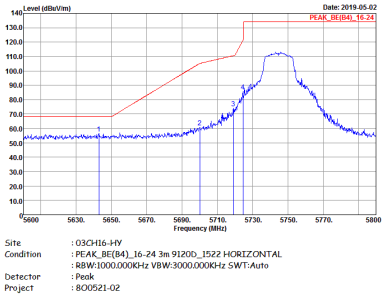
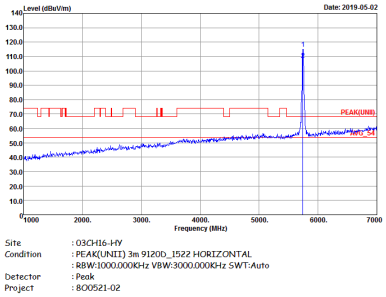
Emission below 1GHz

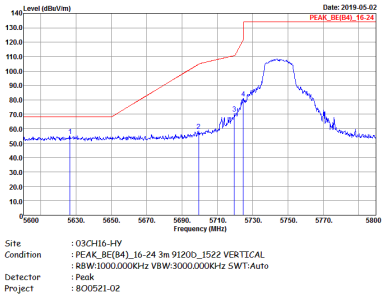
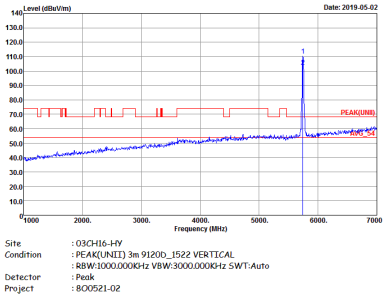
5GHz WIFI 802.11ac VHT80 (LF)

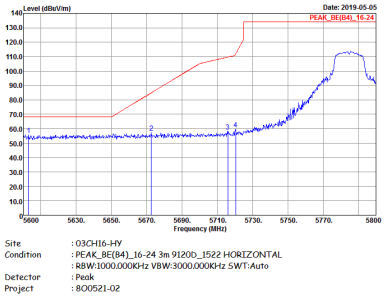
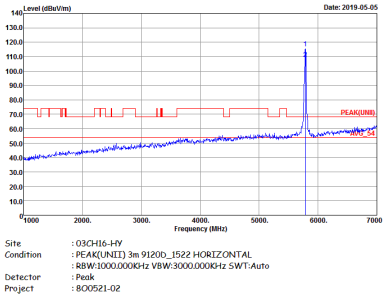
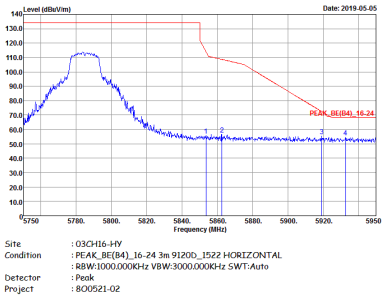
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
0	Horizontal	Vertical
QP / Peak		

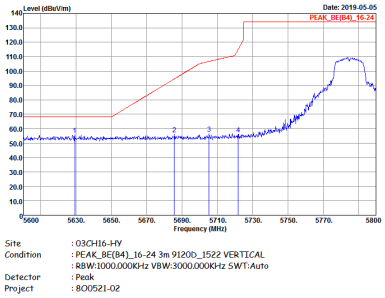
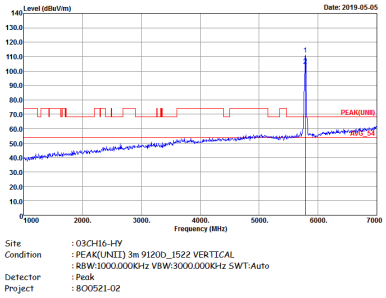
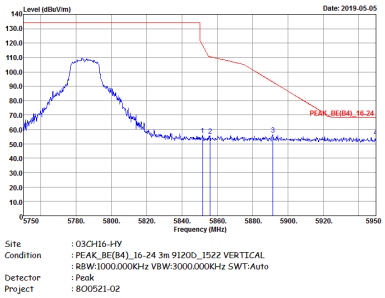
Band 4 - 5725~5850MHz

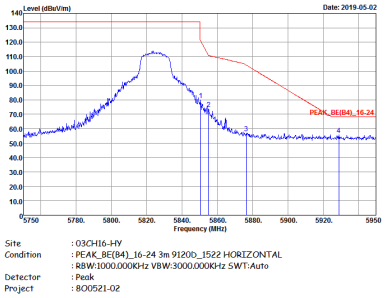
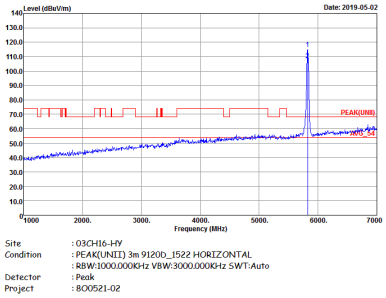
WIFI 802.11a (Band Edge @ 3m)

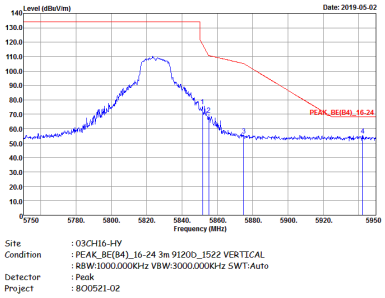
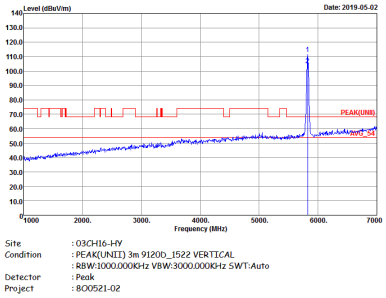
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Fundamental
Peak		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak		
Peak		Left blank

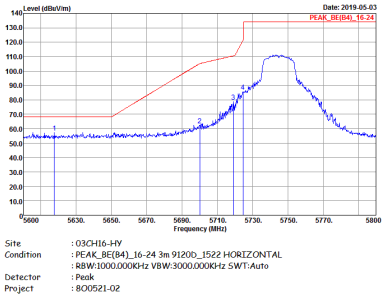
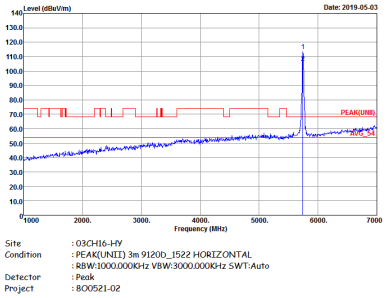
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

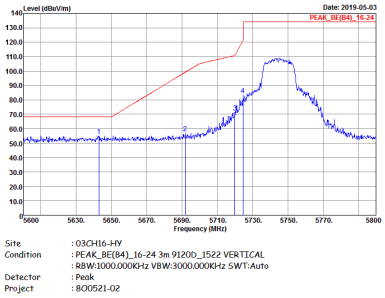
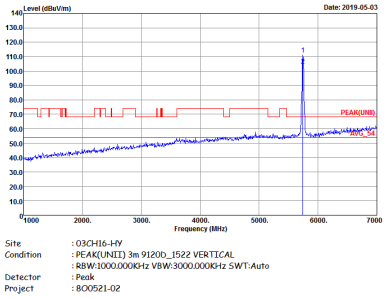
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak		

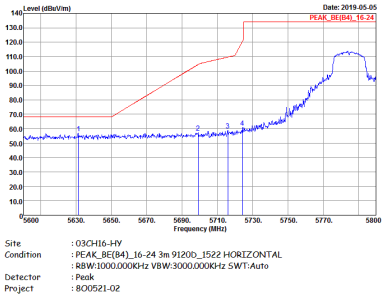
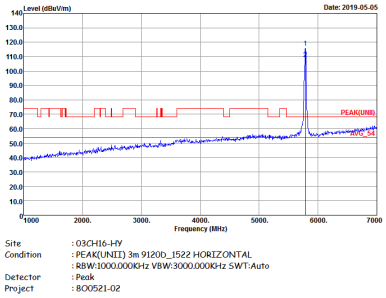
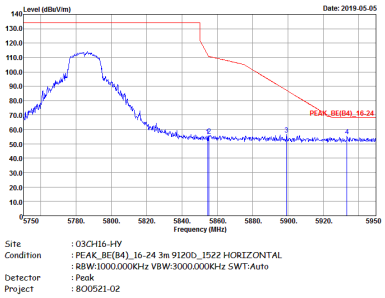
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak		

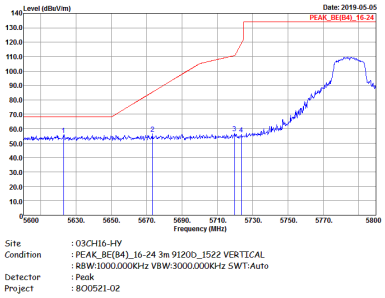
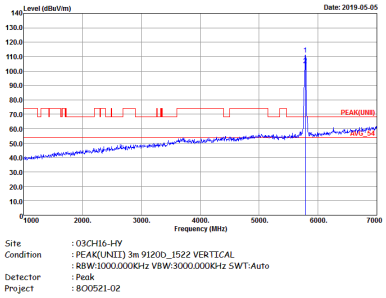
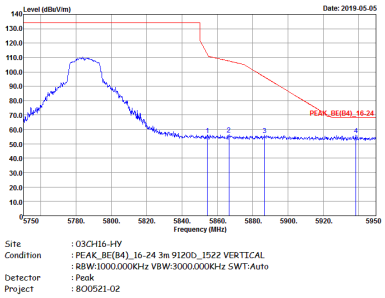
Band 4 5725~5850MHz

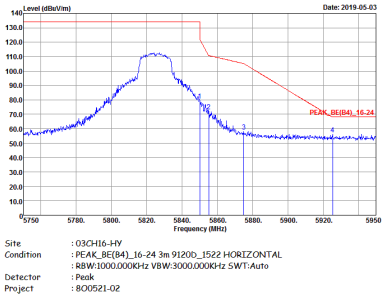
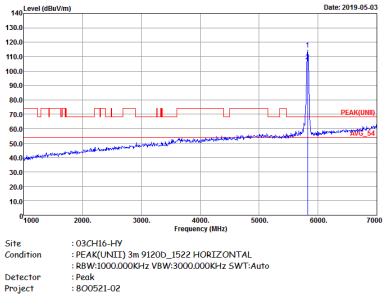
WIFI 802.11n HT20 (Band Edge @ 3m)

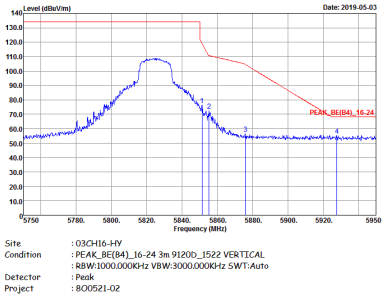
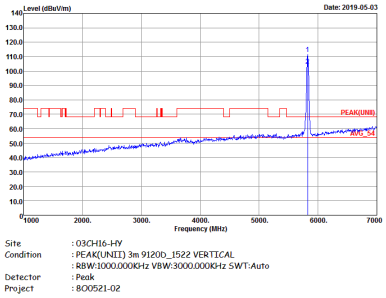
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak		

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		
Peak		Left blank

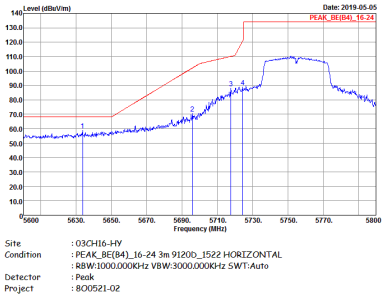
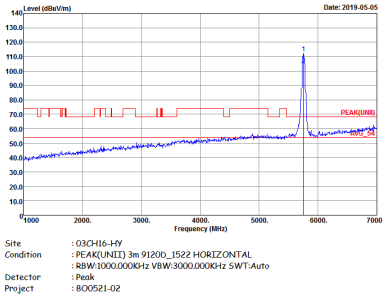
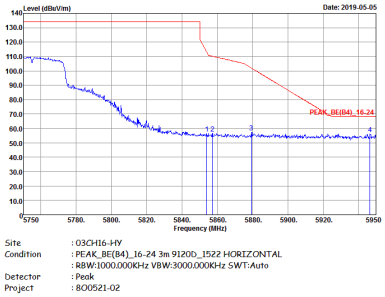
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

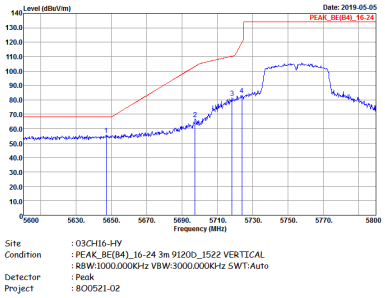
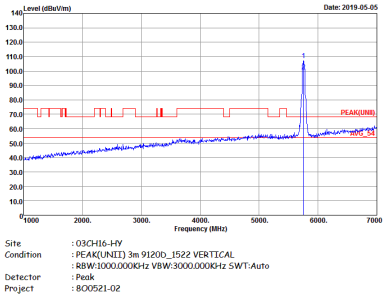
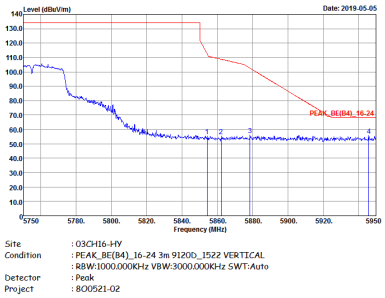
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02

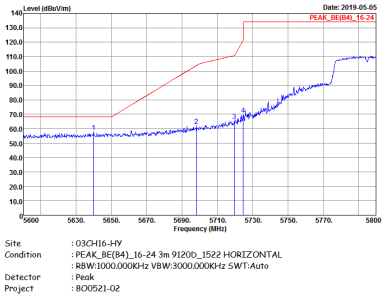
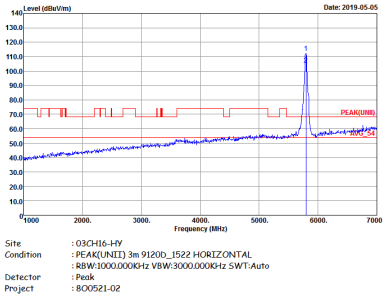
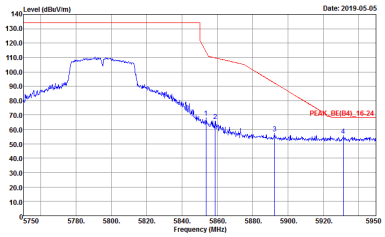
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak		

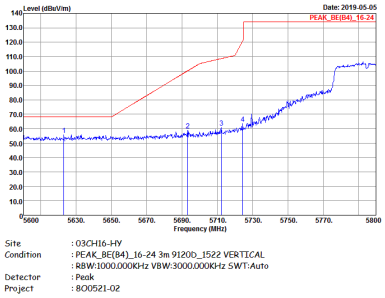
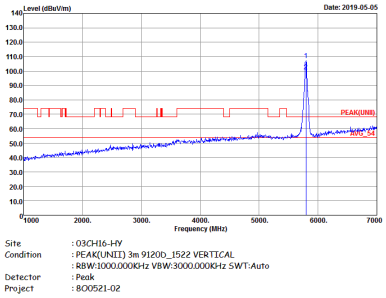
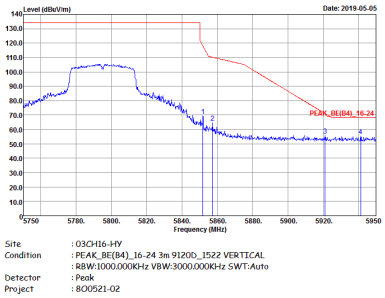
Band 4 5725~5850MHz

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

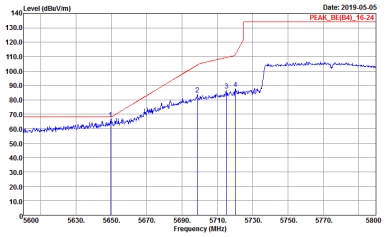
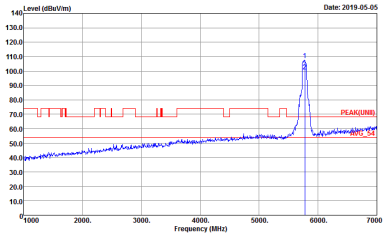
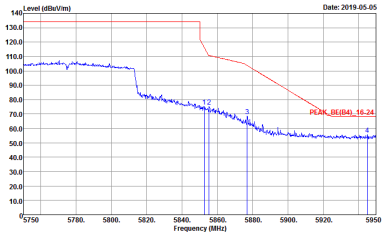
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

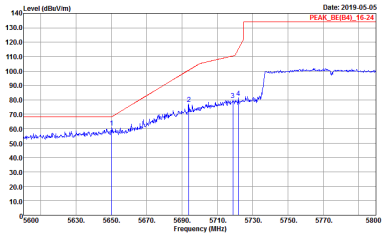
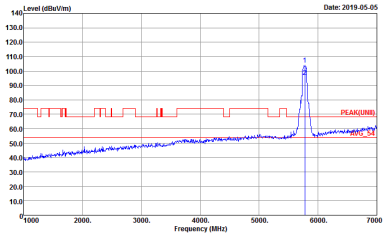
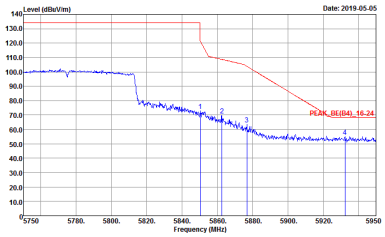
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

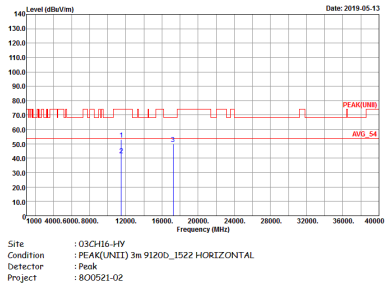
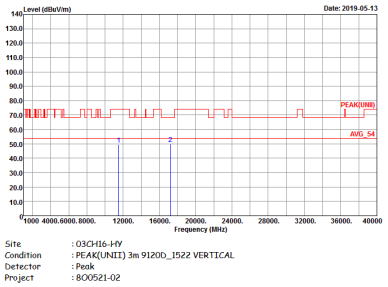
WIFI 802.11ac VHT80 (Band Edge @ 3m)

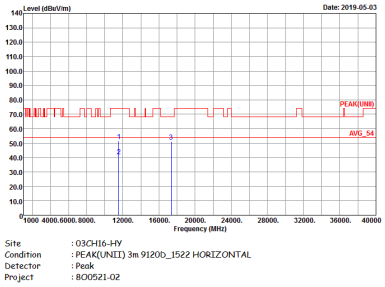
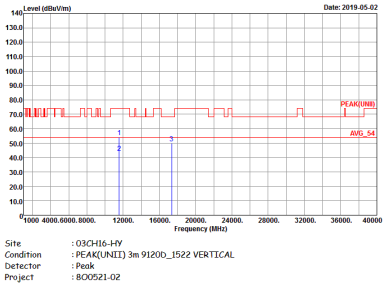
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17.5
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17.5	Left blank

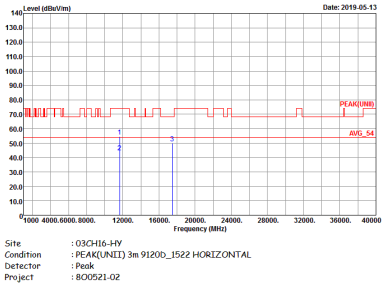
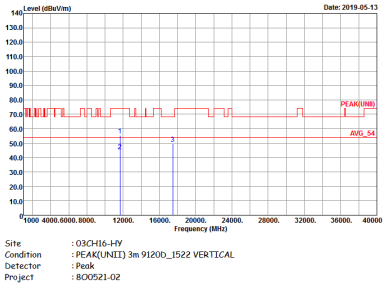
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17.5
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17.5	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

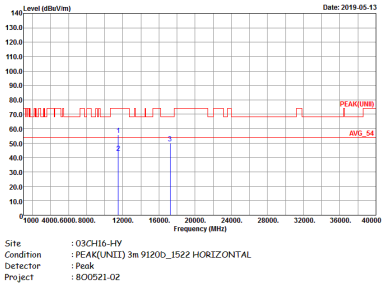
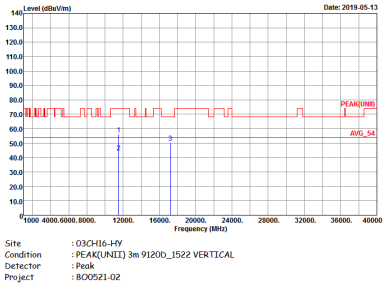
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

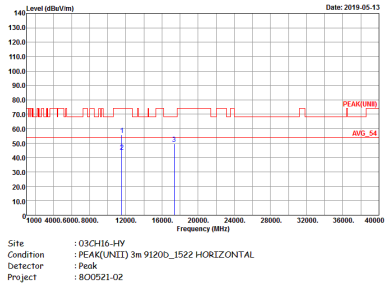
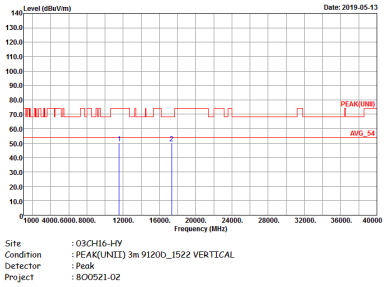
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

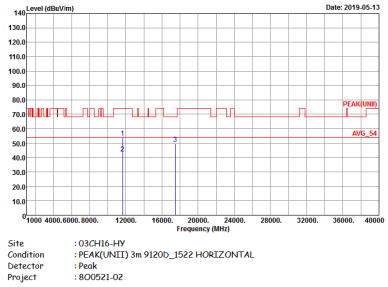
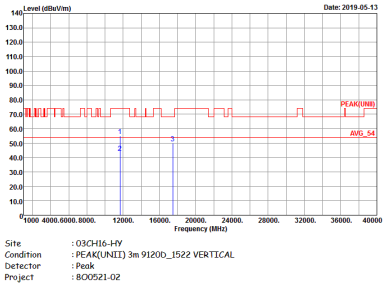
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

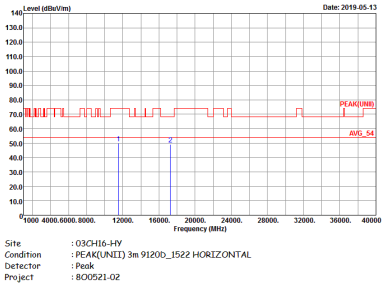
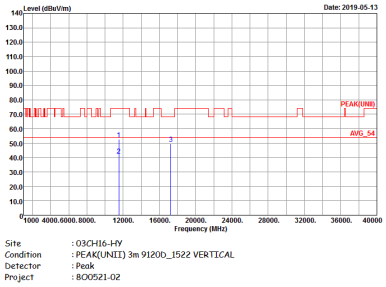
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.		

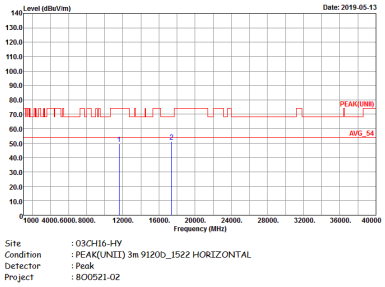
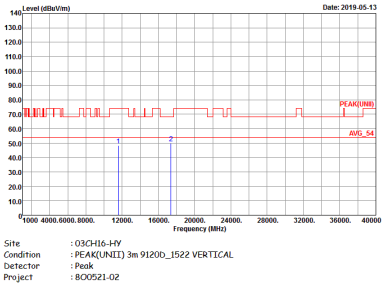
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

Band 4 5725~5850MHz

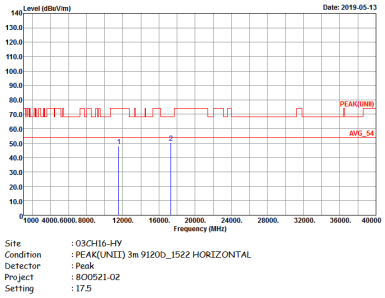
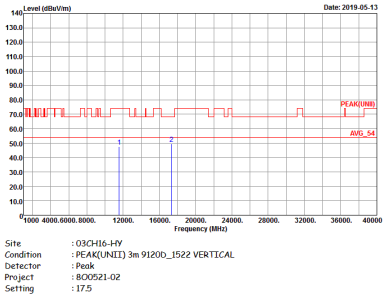
WIFI 802.11n HT40 (Harmonic @ 3m)

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

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

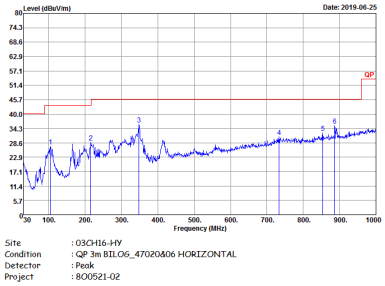
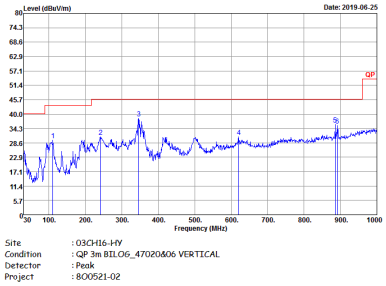
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Vertical
Peak Avg.		

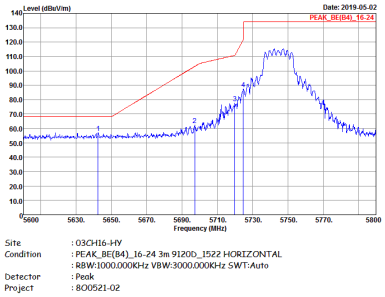
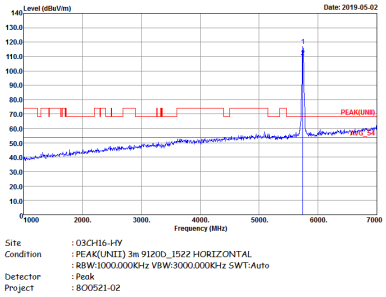
Emission below 1GHz

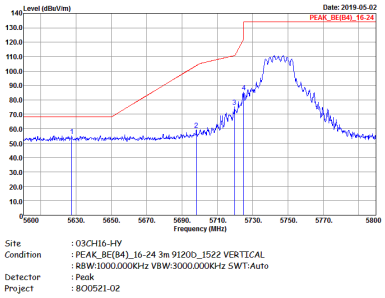
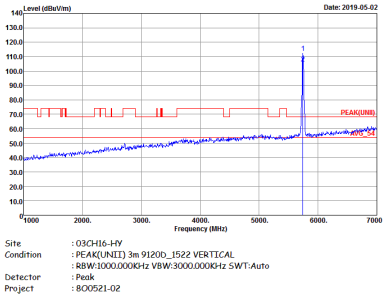
5GHz WIFI 802.11ac VHT80 (LF)

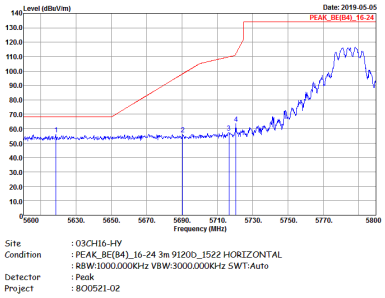
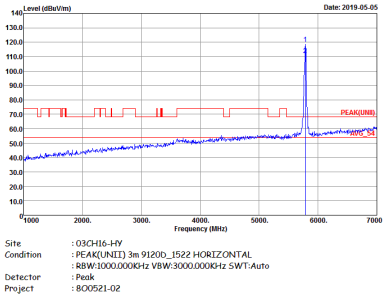
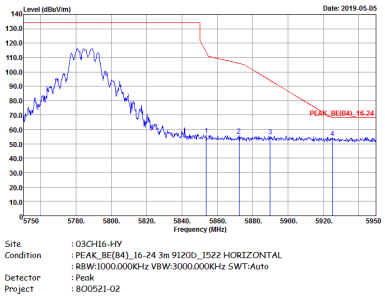
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak		

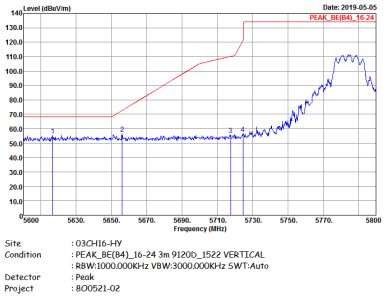
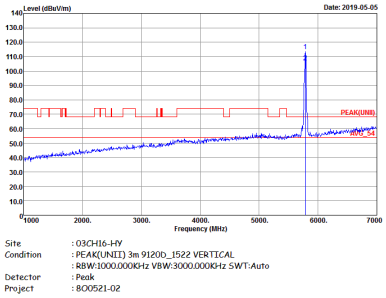
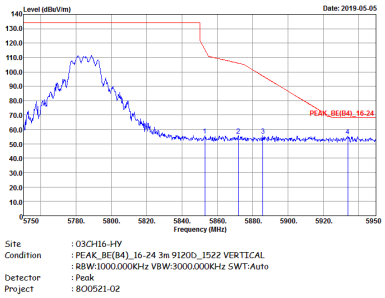
Band 4 - 5725~5850MHz

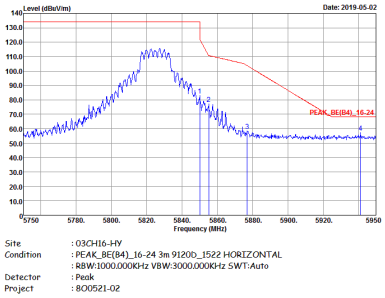
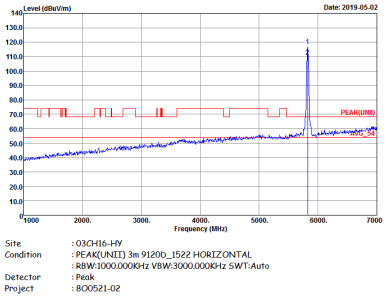
WIFI 802.11a (Band Edge @ 3m)

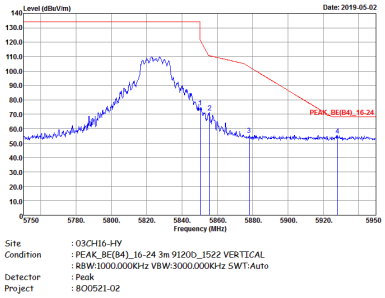
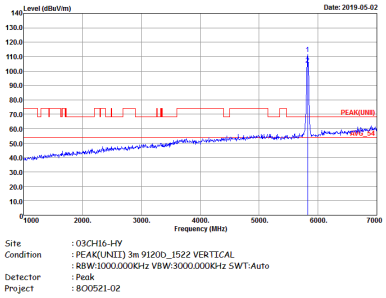
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

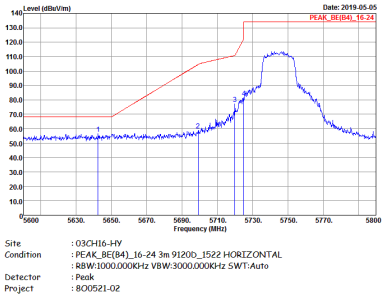
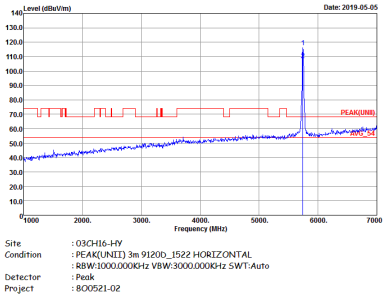
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

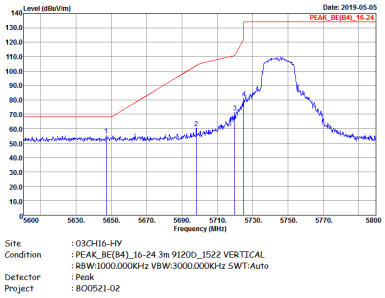
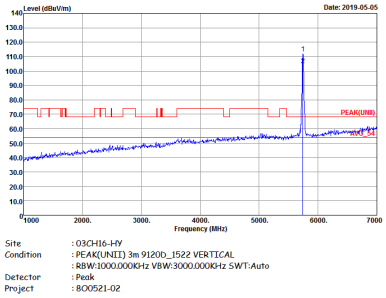
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		

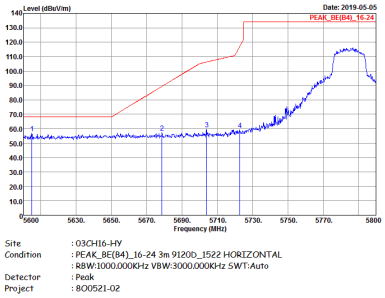
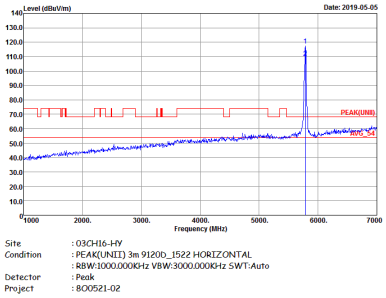
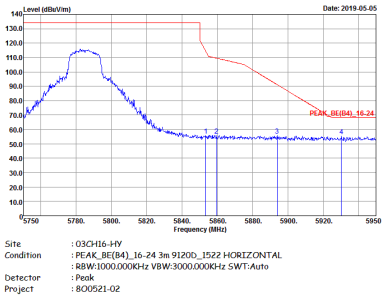
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		

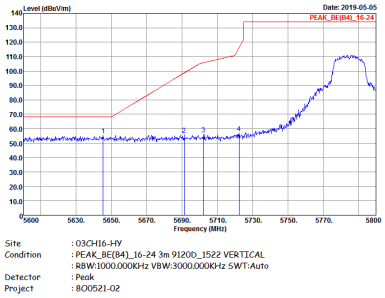
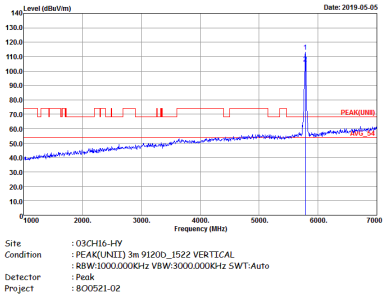
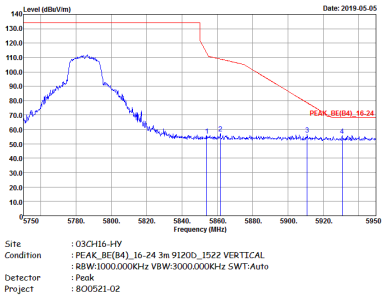
Band 4 5725~5850MHz

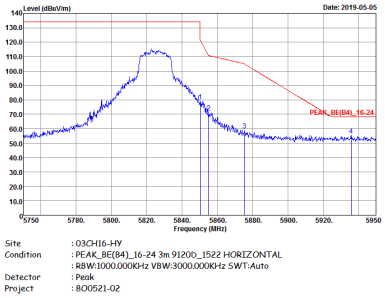
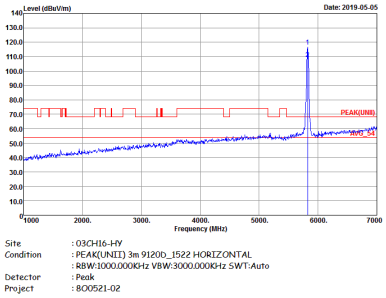
WIFI 802.11n HT20 (Band Edge @ 3m)

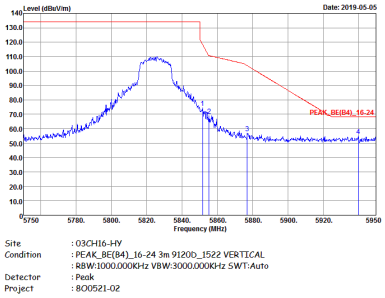
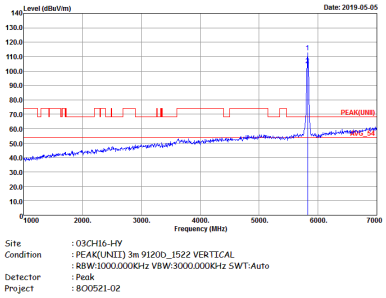
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

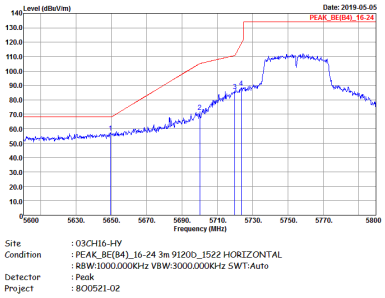
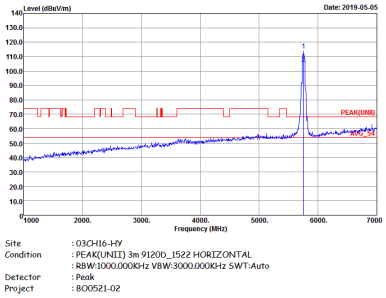
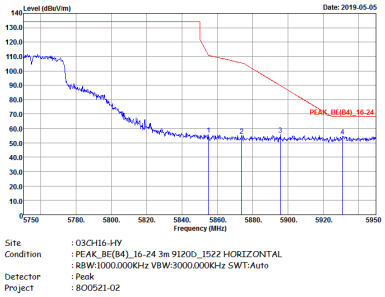
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

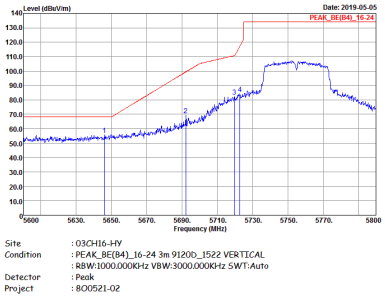
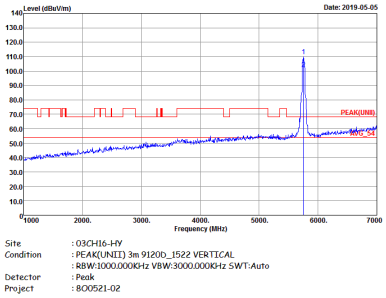
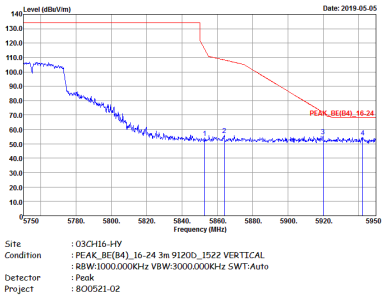
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		

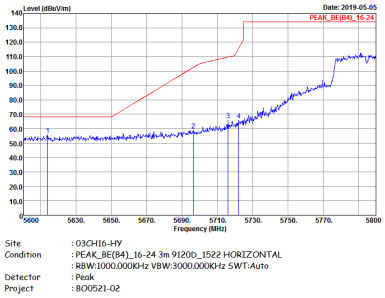
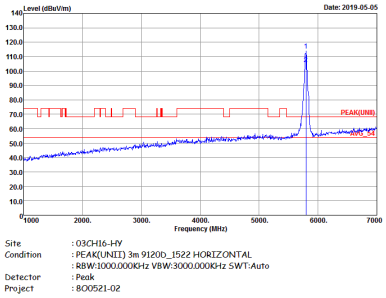
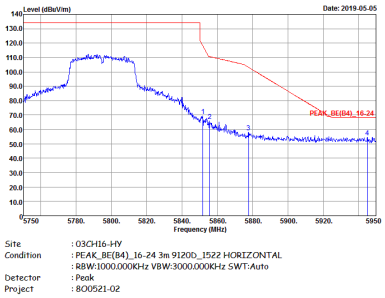
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak		

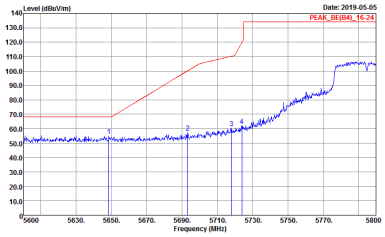
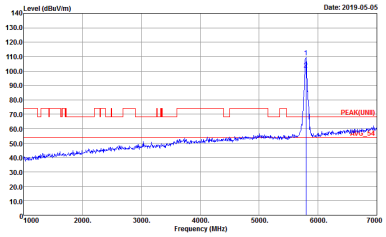
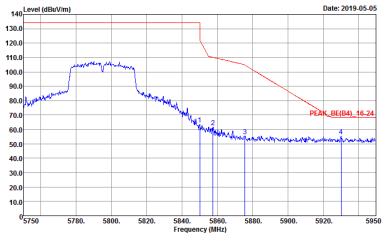
Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

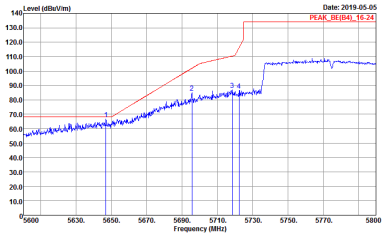
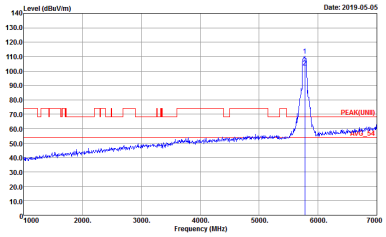
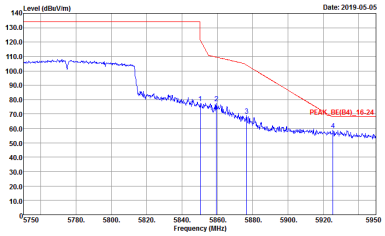
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

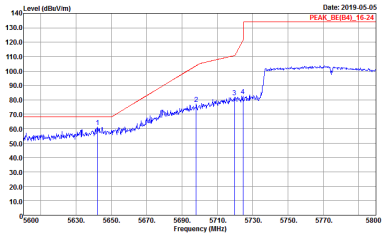
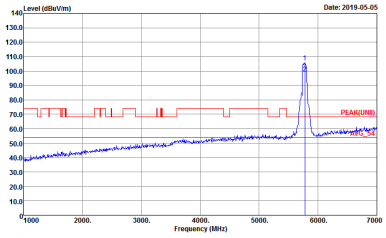
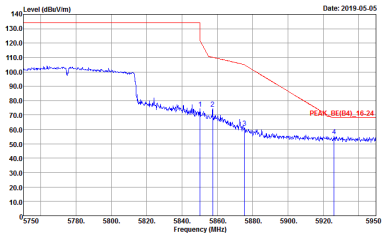
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	Left blank

Band 4 5725~5850MHz

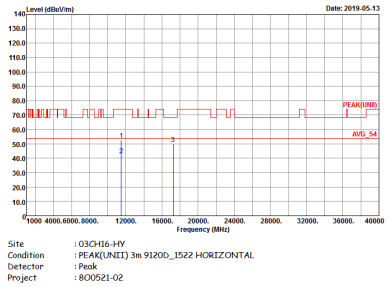
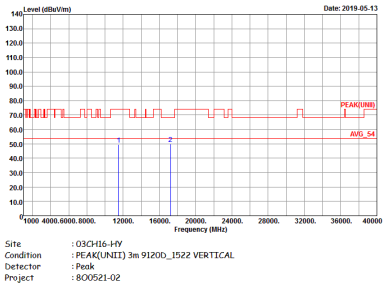
WIFI 802.11ac VHT80 (Band Edge @ 3m)

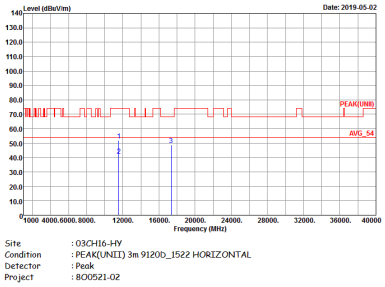
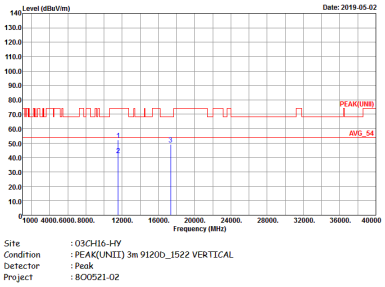
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17	Left blank

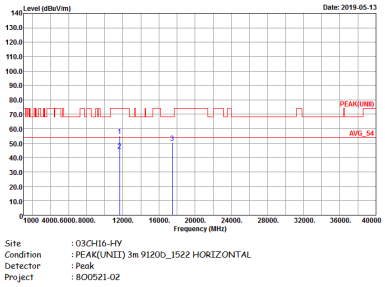
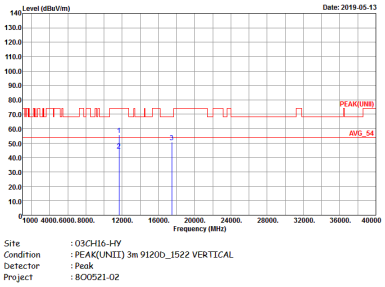
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02 Setting : 17	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

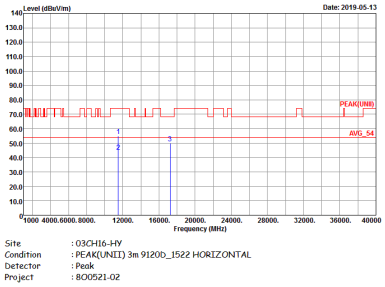
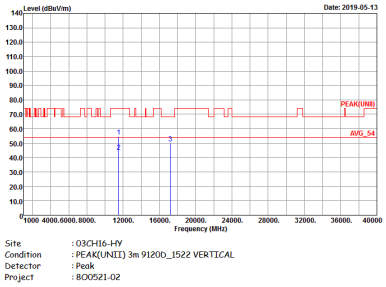
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

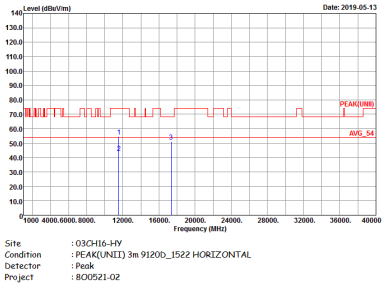
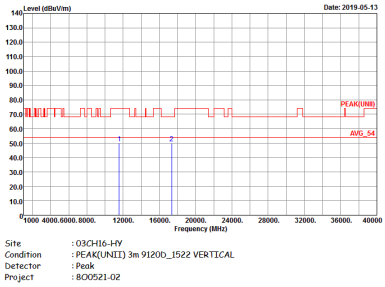
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

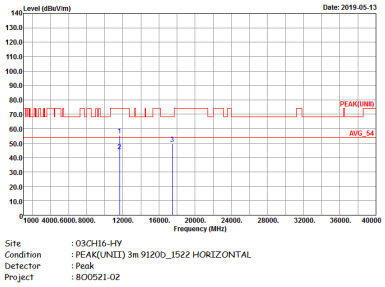
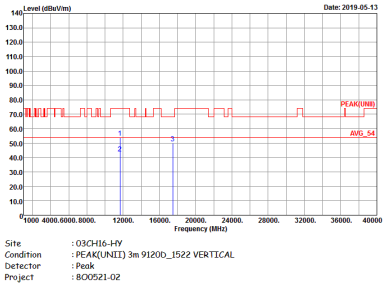
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

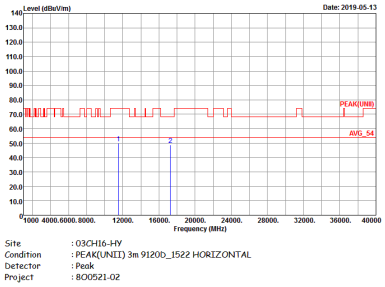
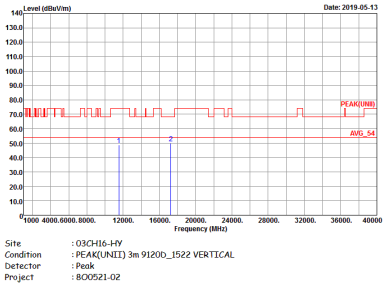
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

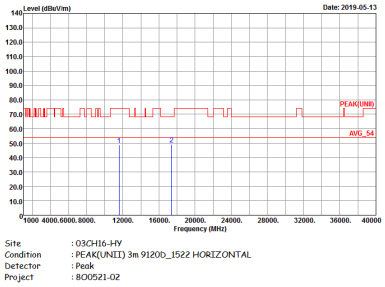
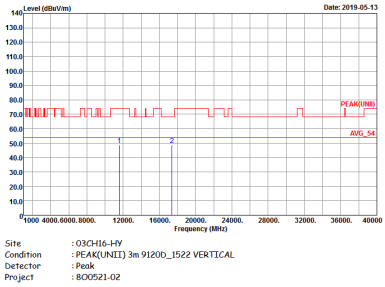
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

Band 4 5725~5850MHz

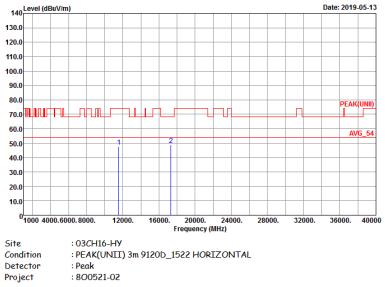
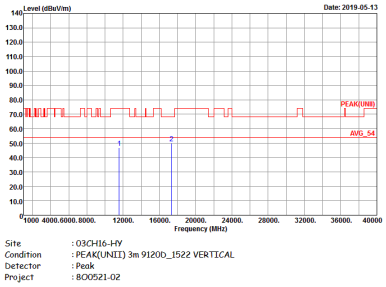
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

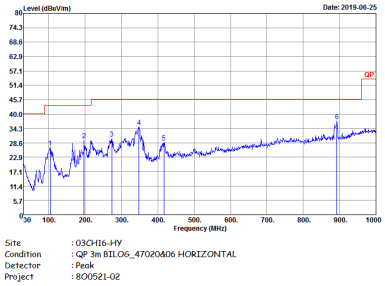
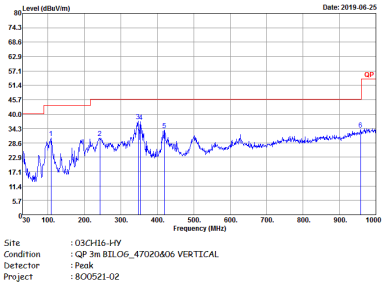
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Horizontal	Vertical
Peak Avg.		

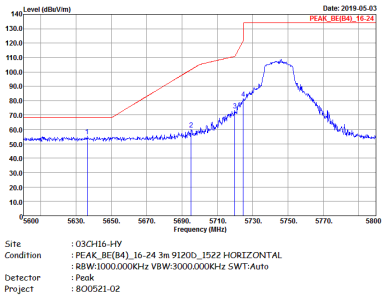
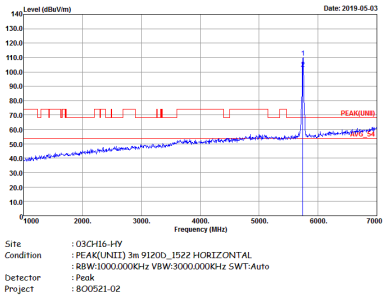
Emission below 1GHz

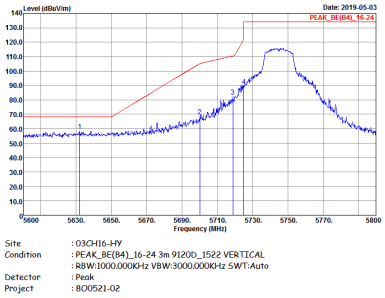
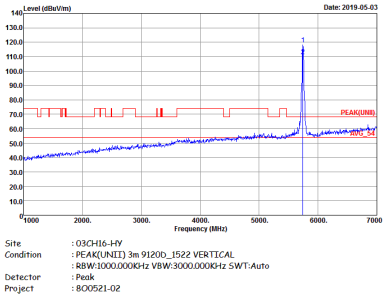
5GHz WIFI 802.11ac VHT80 (LF)

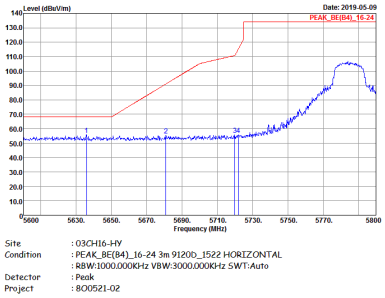
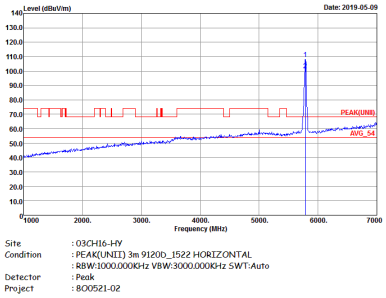
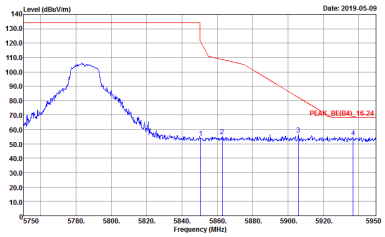
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
0+1	Horizontal	Vertical
QP / Peak		

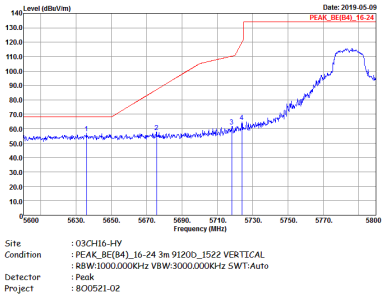
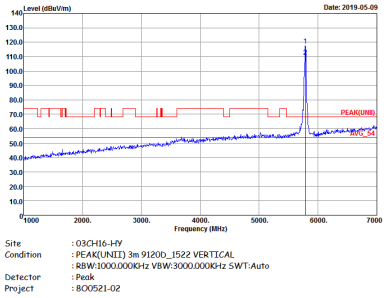
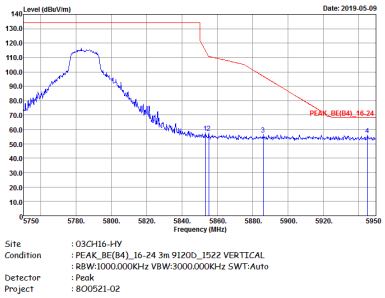
Band 4 - 5725~5850MHz

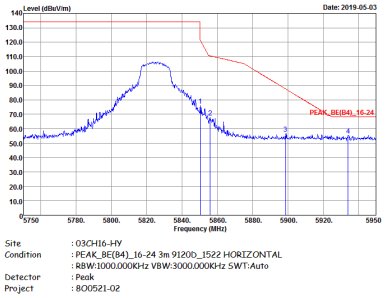
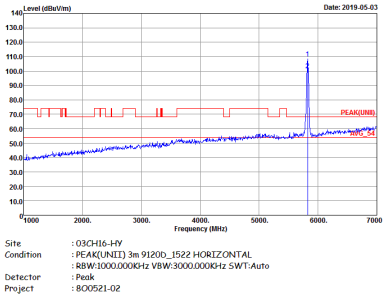
WIFI 802.11a (Band Edge @ 3m)

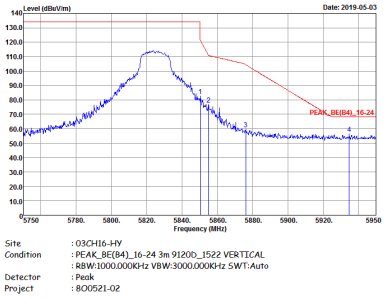
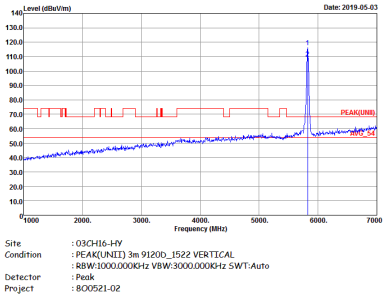
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Fundamental
Peak		

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 : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	Left blank

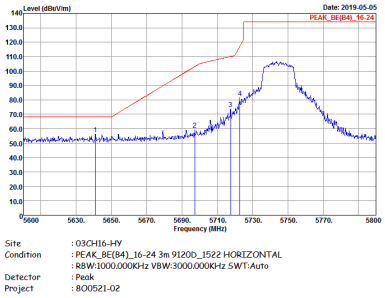
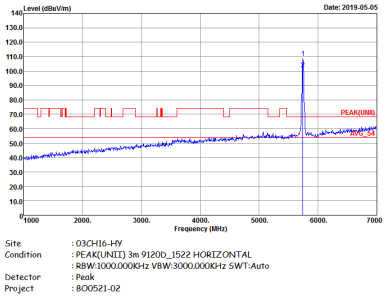
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Vertical	Fundamental
Peak		
Peak		Left blank

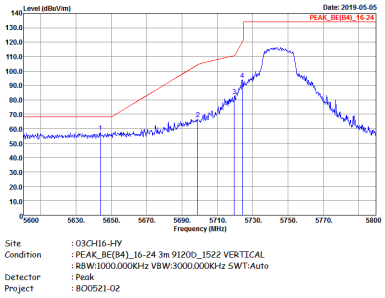
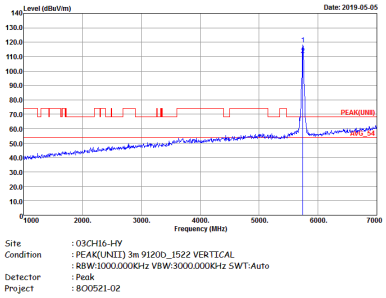
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Fundamental
Peak		

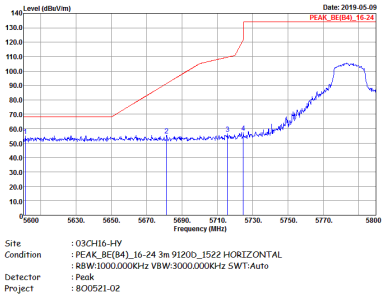
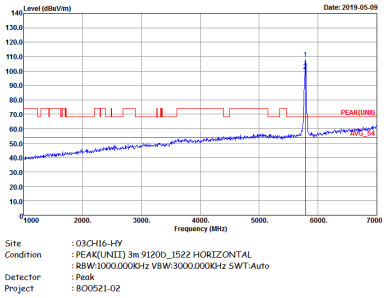
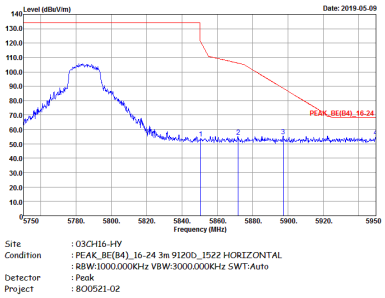
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Vertical	Fundamental
Peak		

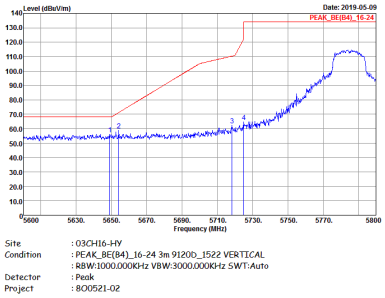
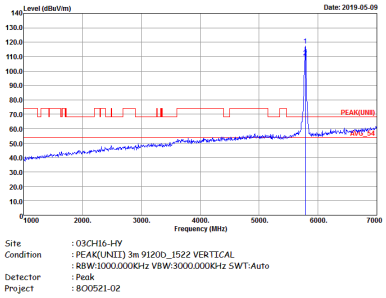
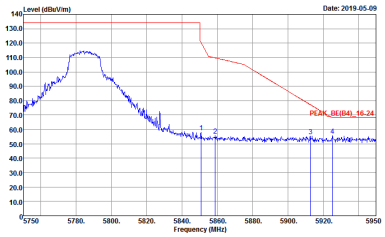
Band 4 5725~5850MHz

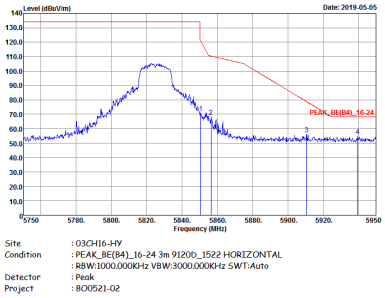
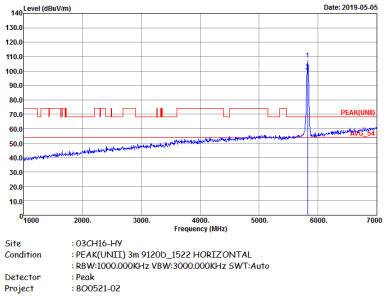
WIFI 802.11n HT20 (Band Edge @ 3m)

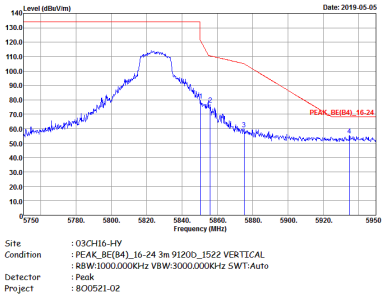
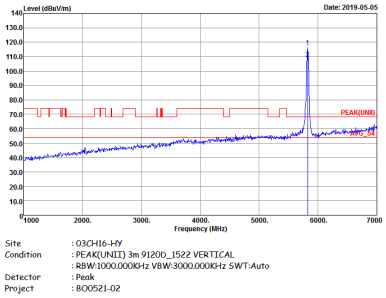
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Fundamental
Peak		

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

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Fundamental
Peak		
Peak		Left blank

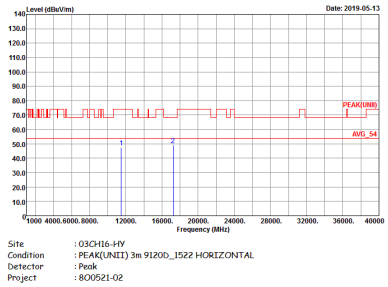
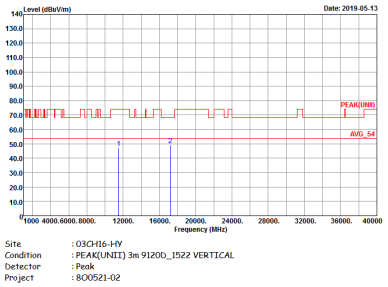
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	Left blank

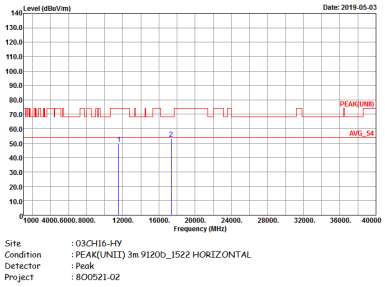
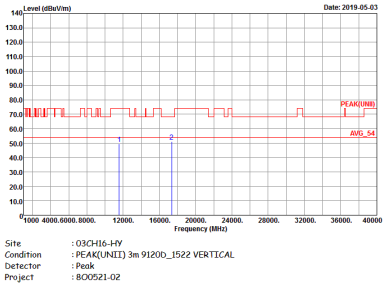
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Fundamental
Peak		

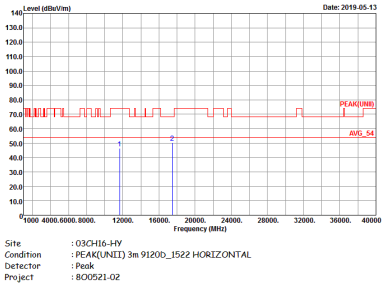
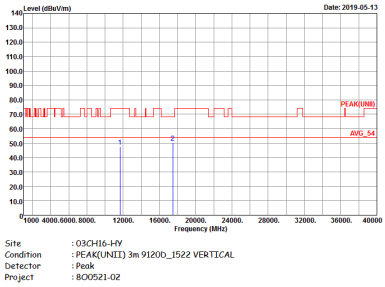
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Vertical	Fundamental
Peak		

Band 4 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

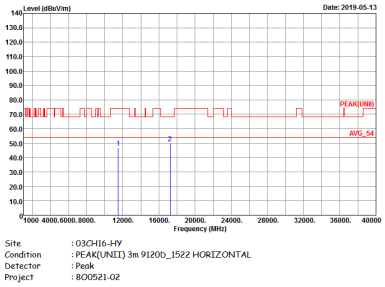
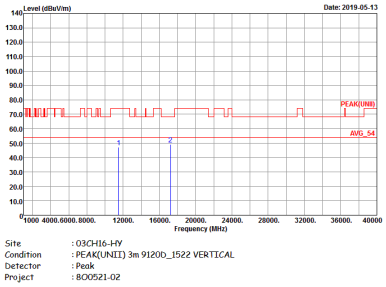
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.		

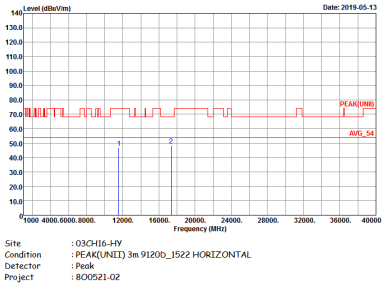
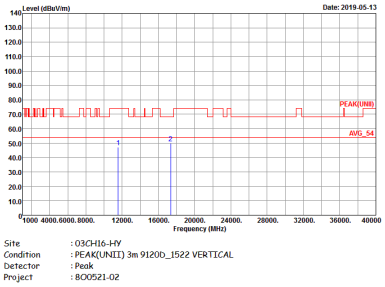
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.		

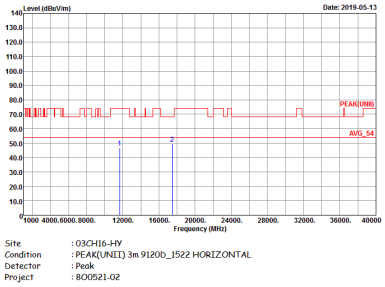
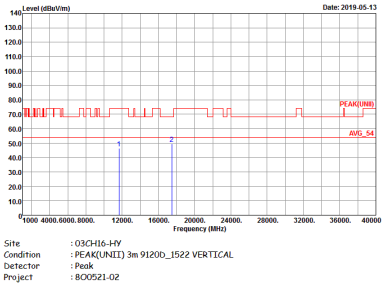
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

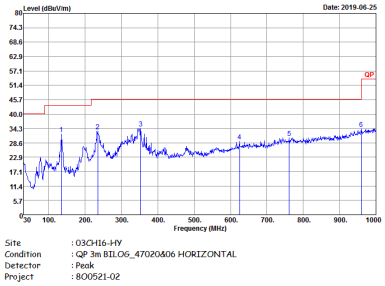
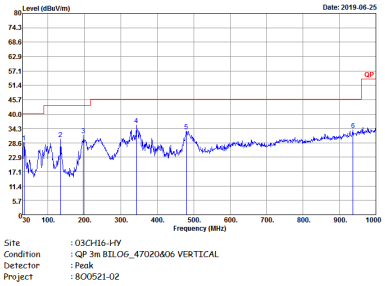
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

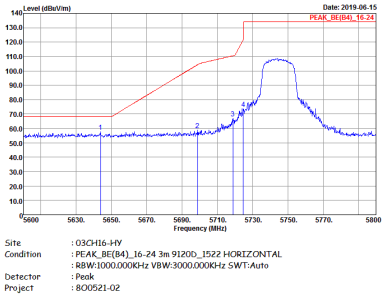
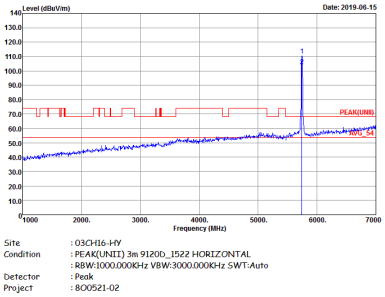
5GHz WIFI 802.11a (LF)

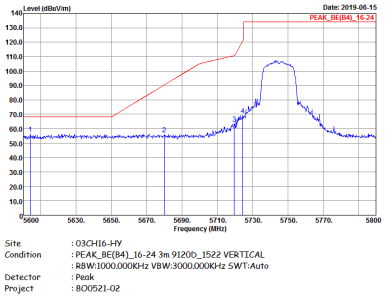
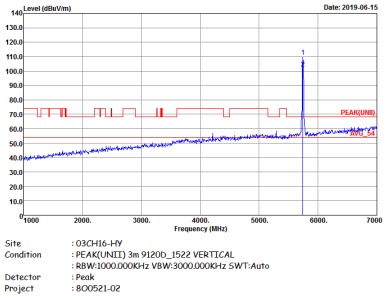
WIFI	5GHz 5725~5850MHz	
ANT	802.11a LF	
2	Horizontal	Vertical
QP / Peak		

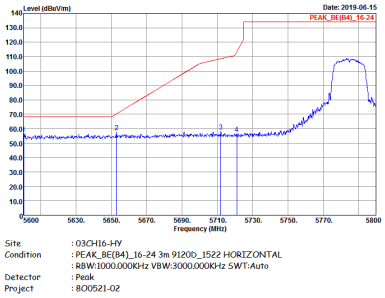
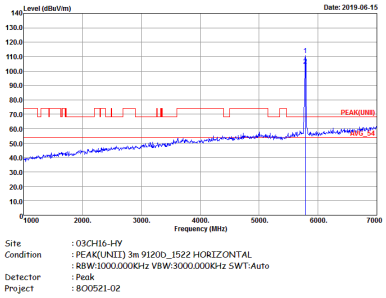
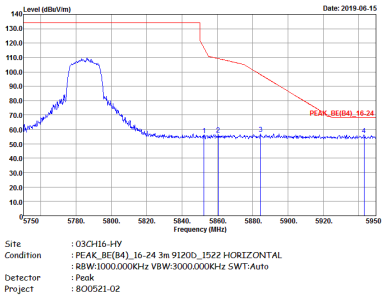
<TXBF Mode>

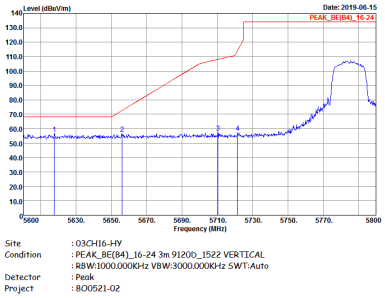
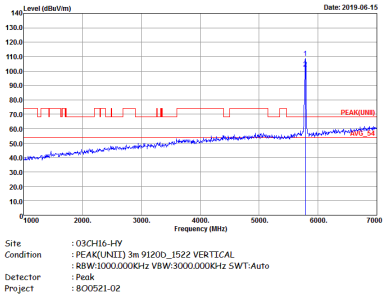
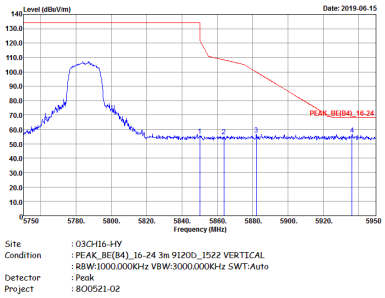
Band 4 - 5725~5850MHz

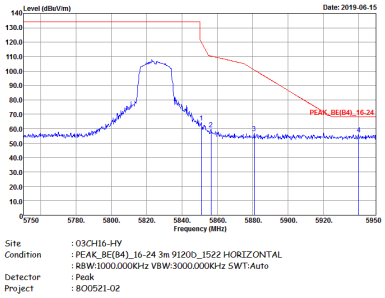
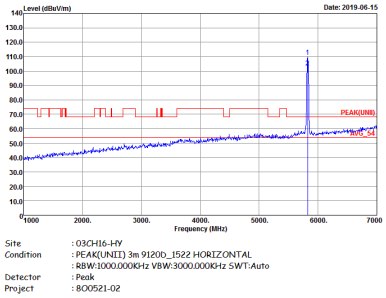
WIFI 802.11ac VHT20 (Band Edge @ 3m)

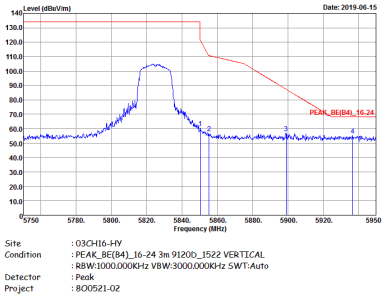
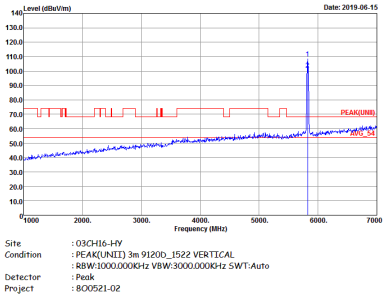
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Horizontal	Fundamental
Peak		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Vertical	Fundamental
Peak Avg.		

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

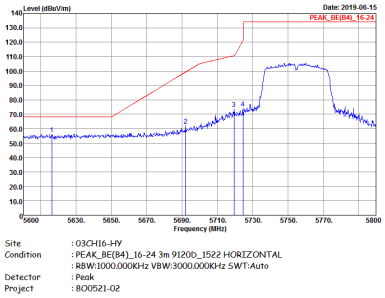
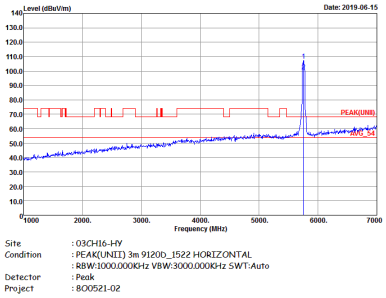
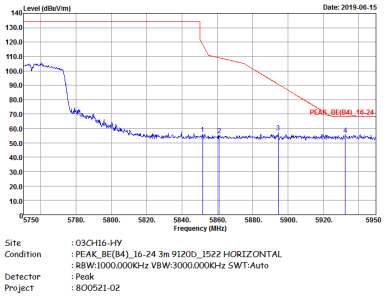
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

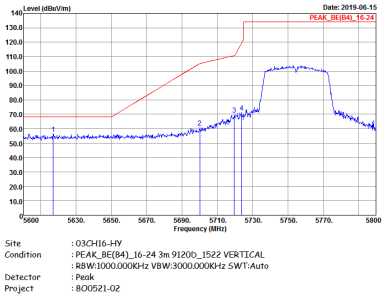
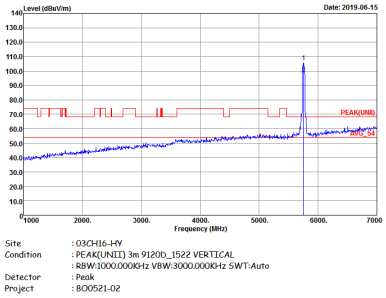
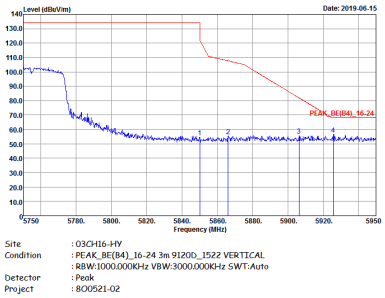
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Horizontal	Fundamental
Peak		

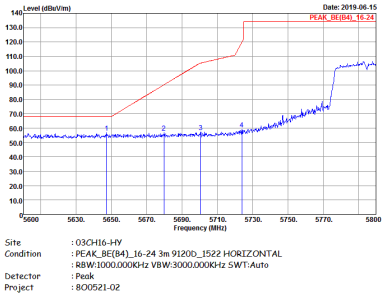
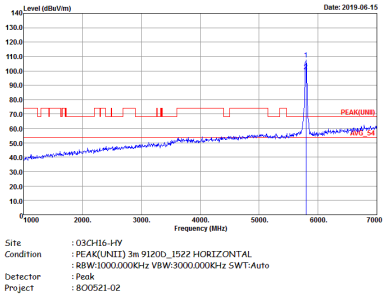
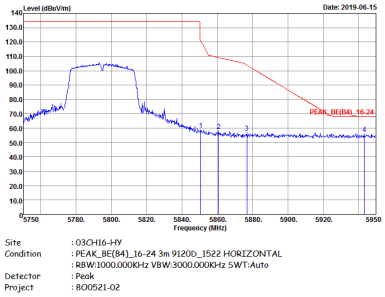
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Vertical	Fundamental
Peak Avg.	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02

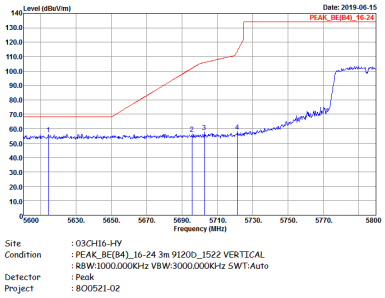
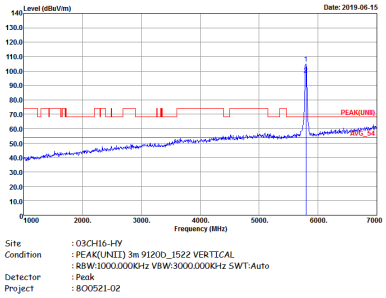
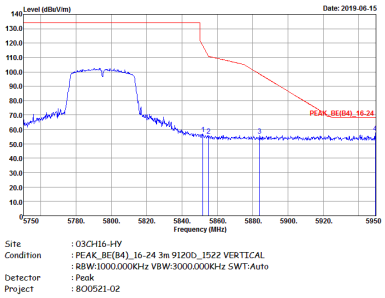
Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

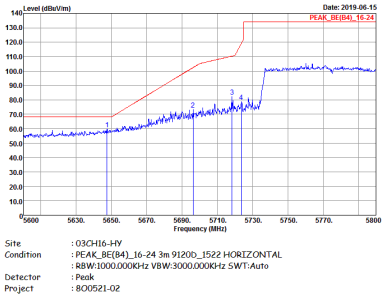
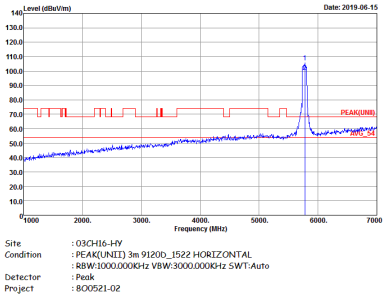
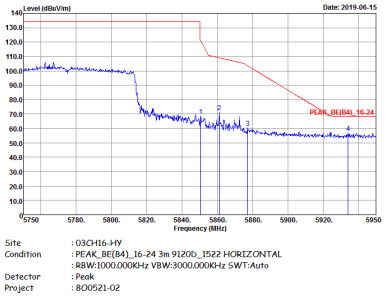
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

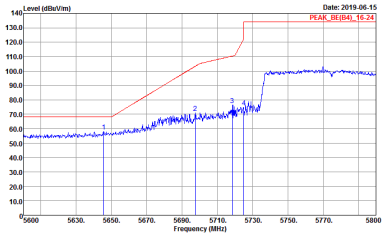
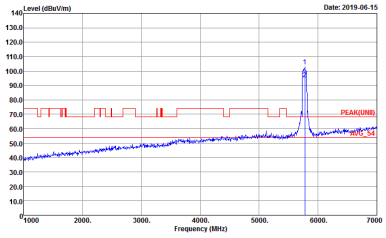
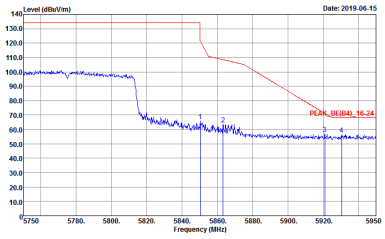
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+1	Vertical	Fundamental
Peak		
Peak		Left blank

Band 4 5725~5850MHz

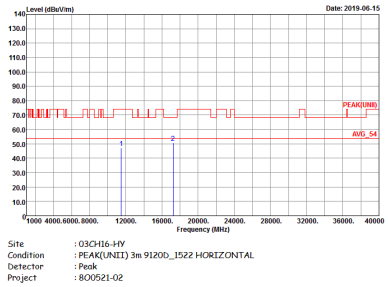
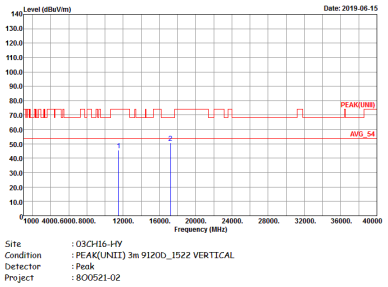
WIFI 802.11ac VHT80 (Band Edge @ 3m)

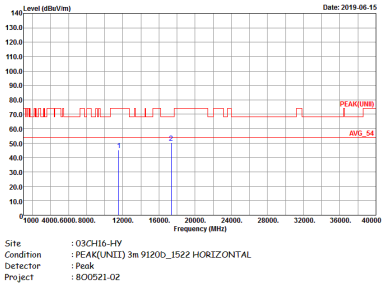
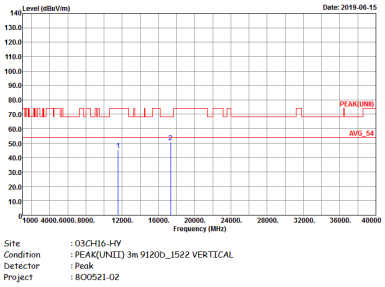
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Horizontal	Fundamental
Peak		
Peak		Left blank

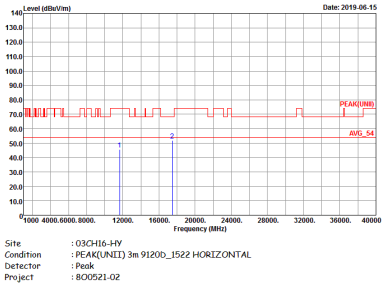
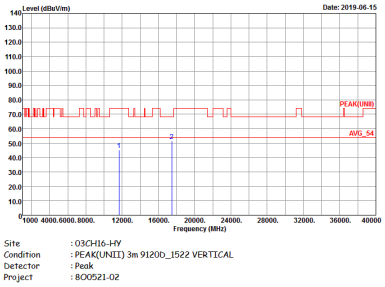
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02
Peak	 Site : 03CH16-HY Condition : PEAK_BE(B4)_16-24 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 8O0521-02	Left blank

Band 4 - 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

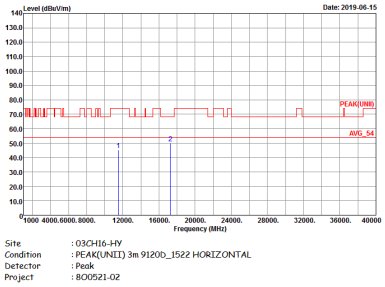
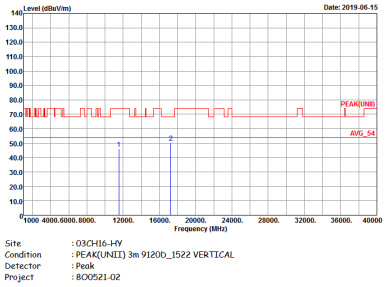
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH149 5745MHz	
0+1	Horizontal	Vertical
Peak Avg.		

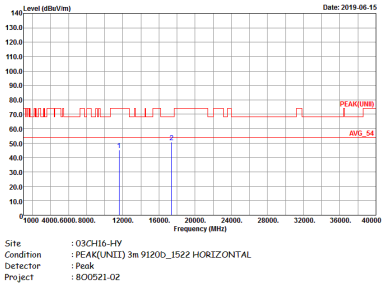
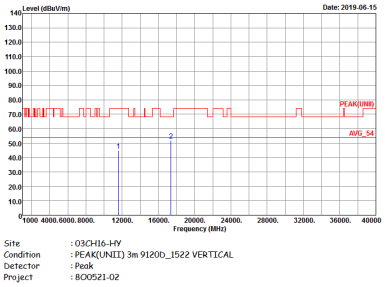
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH157 5785MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH165 5825MHz	
0+1	Horizontal	Vertical
Peak Avg.		

Band 4 5725~5850MHz

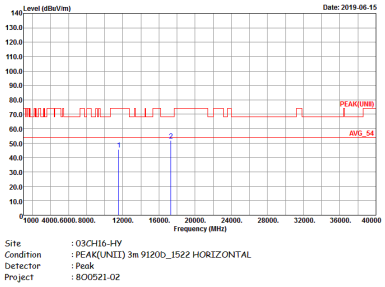
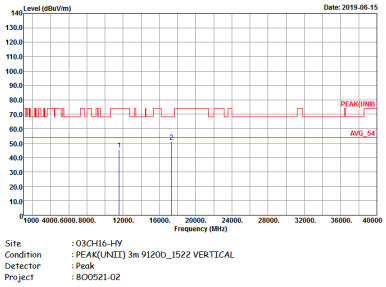
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH151 5755MHz	
0+1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH159 5795MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 8O0521-02	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 8O0521-02

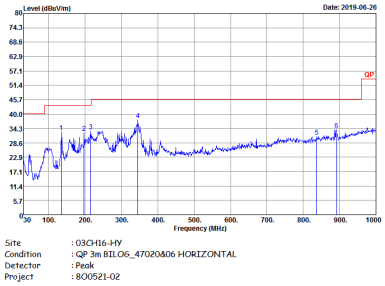
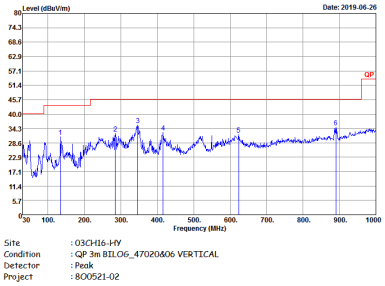
Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
0+1	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

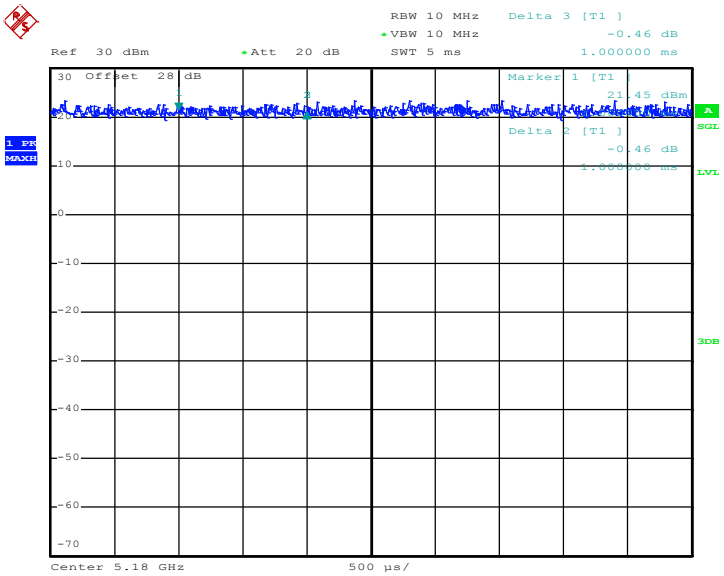
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
0+1	Horizontal	Vertical
QP / Peak		

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
0	802.11a	100.00	-	-	10Hz	0.00
1	802.11a	100.00	-	-	10Hz	0.00
2	802.11a	100.00	-	-	10Hz	0.00
0+1	802.11a for Ant. 0	100.00	-	-	10Hz	0.00
0+1	802.11a for Ant. 1	100.00	-	-	10Hz	0.00
0	5GHz 802.11n HT20	100.00	-	-	10Hz	0.00
1	5GHz 802.11n HT20	100.00	-	-	10Hz	0.00
2	5GHz 802.11n HT20	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11n HT20 for Ant. 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11n HT20 for Ant. 1	100.00	-	-	10Hz	0.00
0	5GHz 802.11n HT40	100.00	-	-	10Hz	0.00
1	5GHz 802.11n HT40	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11n HT40 for Ant. 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11n HT40 for Ant. 1	100.00	-	-	10Hz	0.00
0	5GHz 802.11ac VHT20	100.00	-	-	10Hz	0.00
1	5GHz 802.11ac VHT20	100.00	-	-	10Hz	0.00
2	5GHz 802.11ac VHT20	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ac VHT20 for Ant. 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ac VHT20 for Ant. 1	100.00	-	-	10Hz	0.00
0	5GHz 802.11ac VHT40	100.00	-	-	10Hz	0.00
1	5GHz 802.11ac VHT40	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ac VHT40 for Ant. 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ac VHT40 for Ant. 1	100.00	-	-	10Hz	0.00
0	5GHz 802.11ac VHT80	100.00	-	-	10Hz	0.00
1	5GHz 802.11ac VHT80	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ac VHT80 for Ant. 0	100.00	-	-	10Hz	0.00
0+1	5GHz 802.11ac VHT80 for Ant. 1	100.00	-	-	10Hz	0.00

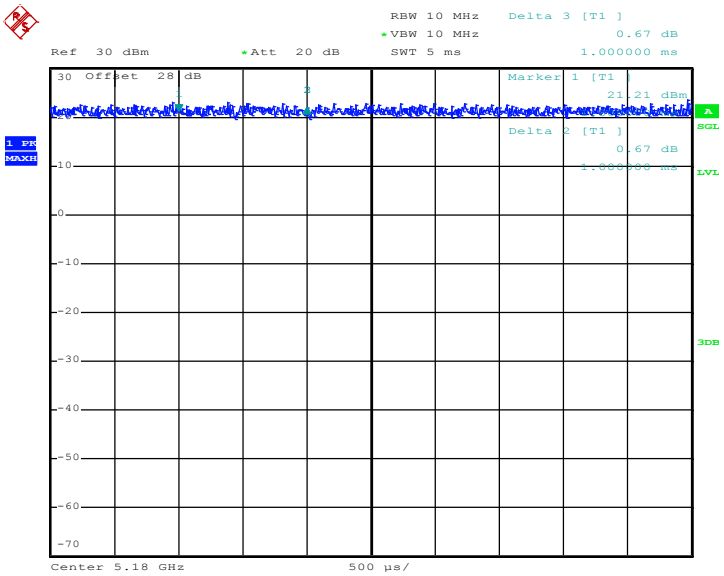
<Ant. 0>

802.11a



Date: 26.APR.2019 15:32:47

802.11n HT20



Date: 26.APR.2019 15:35:39