



FCC RF Test Report

APPLICANT : Nimbocumulous LLC
EQUIPMENT : Digital Media Receiver
MODEL NAME : QX91KB
QX91KA
FCC ID : 2AHUD-3819
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was testing completed on Feb. 12, 2018. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



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FCC ID: 2AHUD-3819

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR741112-01E	Rev. 01	Initial issue of report	May 07, 2018



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result
3.1	15.403(i)	6dB, 26dB and 99% Occupied Bandwidth	> 500kHz	Pass
3.2	15.407(a)	Maximum Conducted Output Power	≤ 30 dBm	Pass
3.3	15.407(a)	Power Spectral Density	≤ 30 dBm/500kHz	Pass
3.4	15.407(b)	Unwanted Emissions	15.407(b)(4)(i) & 15.209(a)	Pass
3.5	15.207	AC Conducted Emission	15.207(a)	Pass
3.6	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass
3.7	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass



1 General Description

1.1 Applicant

Nimbocumulous LLC

15 Constitution Drive. 1st Floor Bedford, New Hampshire 03110

1.2 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	QX91KB QX91KA
FCC ID	2AHUD-3819
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20HT40 WLAN 11ac VHT20/VHT40/VHT80



1.3 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power to antenna	<5745 MHz ~ 5825 MHz> <Ant. 1> 802.11a : 20.92 dBm (0.1236 W) 802.11n HT20 : 20.99 dBm (0.1256 W) 802.11n HT40 : 20.96 dBm (0.1247 W) 802.11ac VHT20 : 20.95 dBm (0.1245 W) 802.11ac VHT40 : 20.94 dBm (0.1242 W) 802.11ac VHT80 : 20.93 dBm (0.1239 W) <Ant. 2> 802.11a : 20.99 dBm (0.1256 W) 802.11n HT20 : 20.98 dBm (0.1253 W) 802.11n HT40 : 20.71 dBm (0.1178 W) 802.11ac VHT20 : 20.91 dBm (0.1233 W) 802.11ac VHT40 : 20.70 dBm (0.1175 W) 802.11ac VHT80 : 20.68 dBm (0.1169 W) MIMO <Ant. 1 + 2> 802.11a : 20.99 dBm (0.1256 W) 802.11n HT20: 20.99 dBm (0.1256 W) 802.11n HT40 : 20.93 dBm (0.1239 W) 802.11ac VHT20 : 20.97 dBm (0.1250 W) 802.11ac VHT40 : 20.85 dBm (0.1216 W) 802.11ac VHT80 : 20.88 dBm (0.1225 W)

Standards-related Product Specification			
99% Occupied Bandwidth	<5745 MHz ~ 5825 MHz> <Ant. 1> 802.11a : 17.80MHz 802.11n HT20 : 18.60MHz 802.11n HT40 : 36.70MHz 802.11ac VHT80 : 75.84MHz <Ant. 1> 802.11a : 18.05MHz 802.11n HT20 : 18.75MHz 802.11n HT40 : 37.70MHz 802.11ac VHT80 : 75.84MHz MIMO<Ant. 1> 802.11a : 17.85MHz 802.11n HT20 : 18.65MHz 802.11n HT40 : 36.70MHz 802.11ac VHT80 : 75.72MHz MIMO<Ant. 2> 802.11a : 18.00MHz 802.11n HT20 : 18.65MHz 802.11n HT40 : 36.60MHz 802.11ac VHT80 : 75.72MHz		
	Antenna Type / Gain Ant. 1 : Fixed internal Antenna with gain 4.9 dBi Ant. 2 : Fixed internal Antenna with gain 3.5 dBi		
Antenna Function Description		Ant. 1	Ant. 2
	802.11 a/n/ac	V	V
	802.11 a/n/ac MIMO	V	V
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)		
	802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM /256QAM)		

Note: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

1.4 Modification of EUT

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

1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 and TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC.	
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.	
	03CH13-HY	

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

1.6 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 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).
- 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

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

MIMO Mode

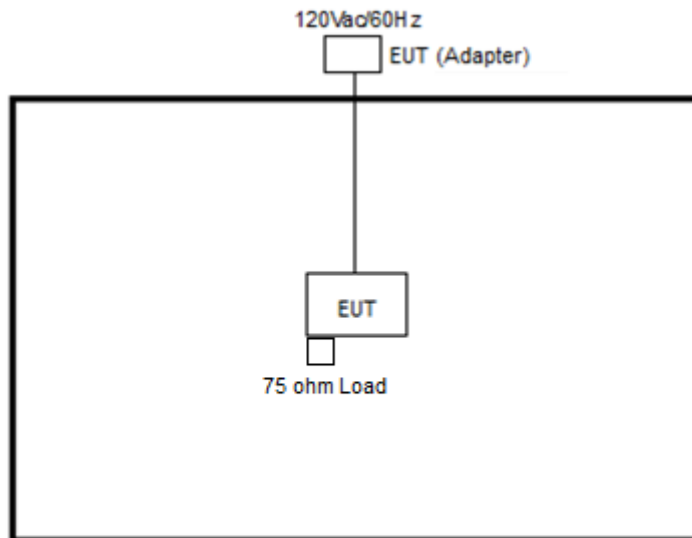
Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0

AC Conducted Emission	Mode 1 : ATSC Rx (Physical connection) WLAN (5GHz) Link + Connected HDD + End to End + External HDD R/W
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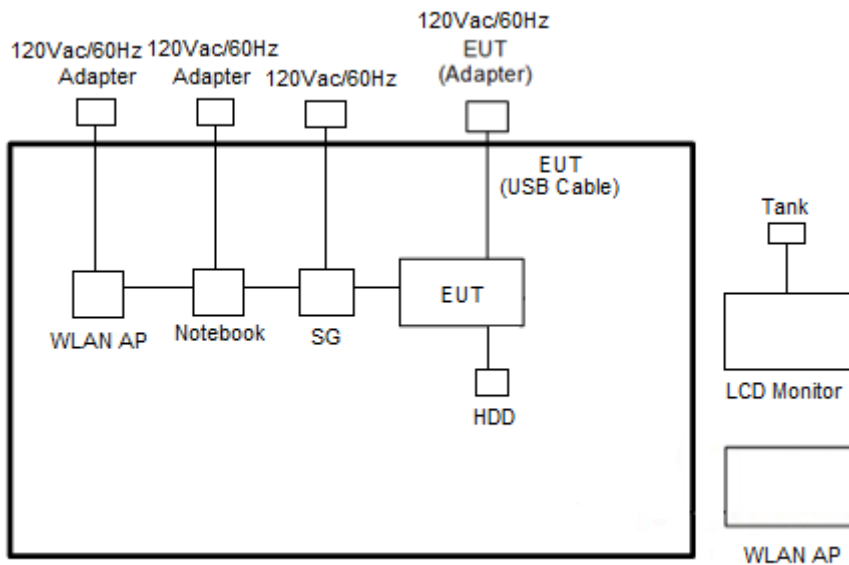
Ch. #		Band IV : 5725-5850 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>





2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Base Station	R&S	SG	N/A	N/A	Unshielded, 1.8 m
3.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
4.	APP Mac	Apple	A1278	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	Notebook	DELL	E5530	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	Mobile Phone	Acer	Z530	N/A	N/A	N/A
7.	LCD MONITOR	DELL	P2715Q	FCC DoC	Shielded, 1.6m	Unshielded, 1.8 m
8.	USB HD	TOSHIBA	DTB310	FCC DoC	Shielded, 0.5m	N/A
9.	Controller	N/A	N/A	N/A	N/A	N/A
10.	Dongle	N/A	N/A	FCC DoC	N/A	N/A



2.5 EUT Operation Test Setup

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 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.

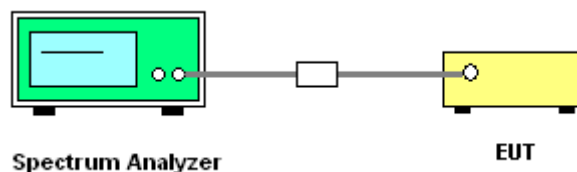
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 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 $\geq 3 \times$ 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

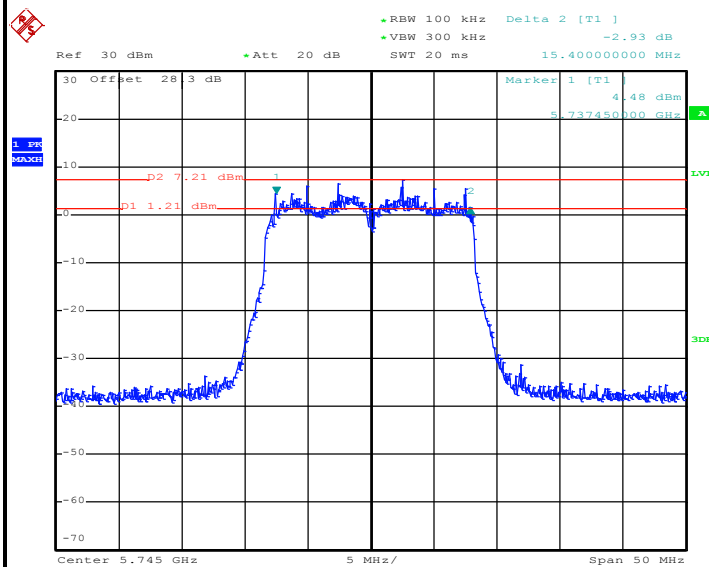


3.1.5 Test Result of 6dB Bandwidth

Please refer to Appendix A.

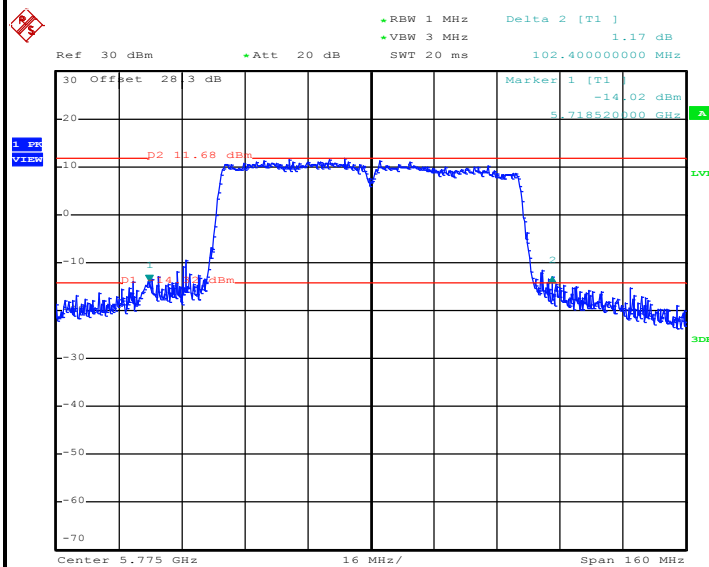


Minimum 6dB Bandwidth

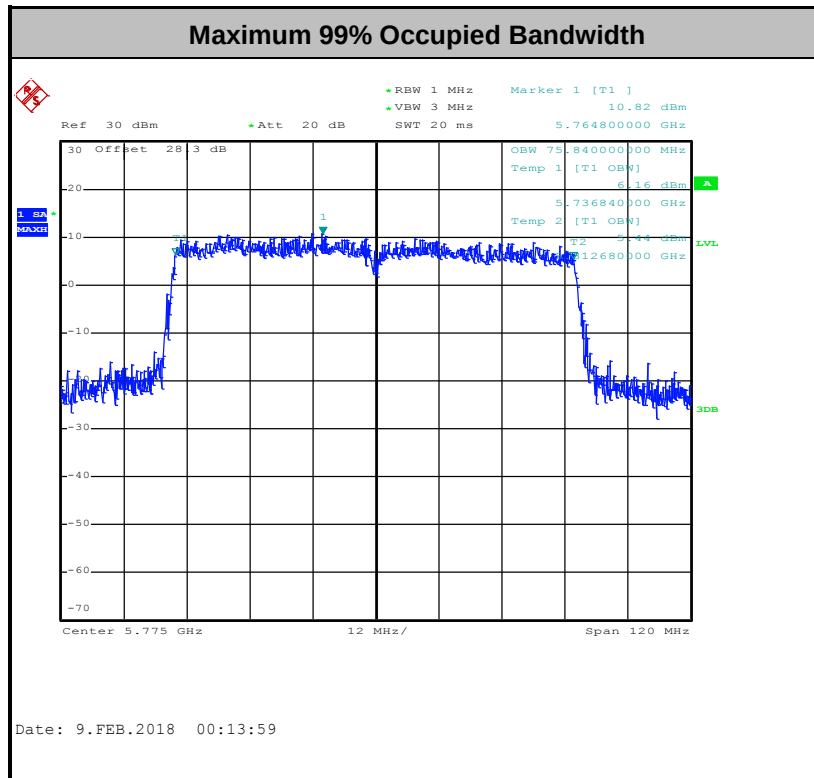


Date: 10.FEB.2018 00:06:58

Maximum 26dB Bandwidth



Date: 9.FEB.2018 00:16:06



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

The measuring equipment is listed in the section 4 of this test report.

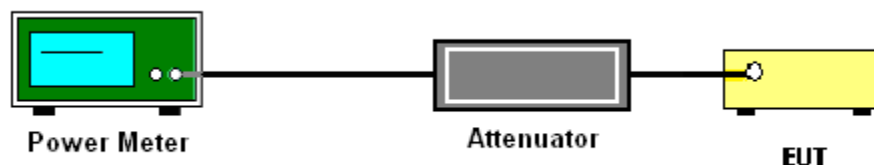
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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

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

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

Method SA-2

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

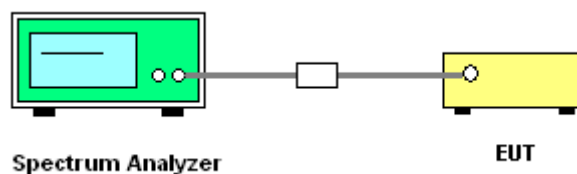
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW $\geq$ 1 MHz.
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add $10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

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (c): Measure and add $10 \log(N_{\text{ANT}})$ 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 $10 \log(N_{\text{ANT}})$ dB is added to each spectrum value before comparing to the emission limit. The addition of $10 \log(N_{\text{ANT}})$ dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{\text{ANT}}^{\text{th}}$ of the PSD limit.

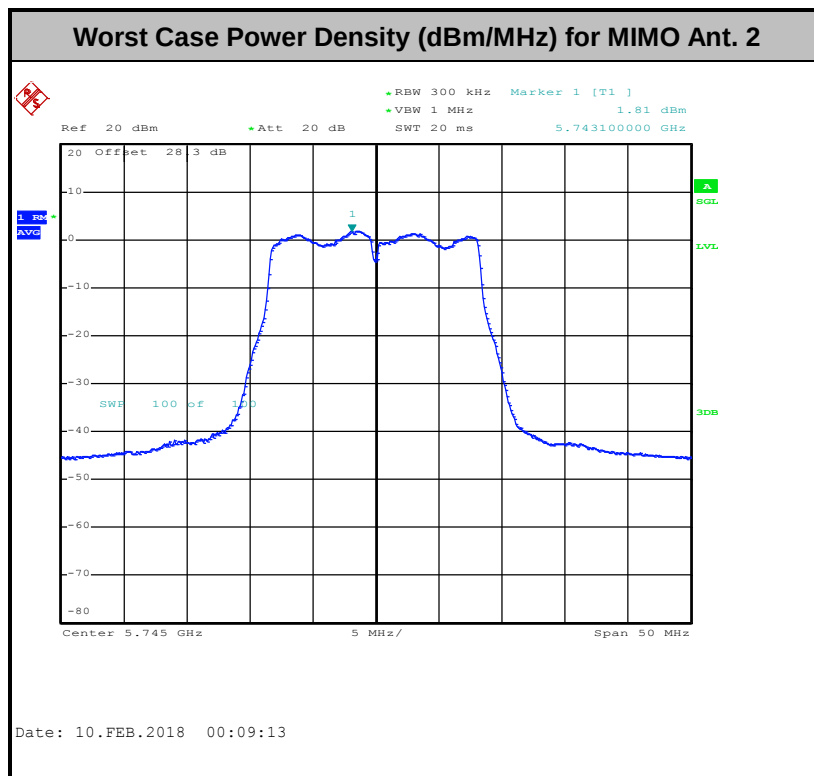
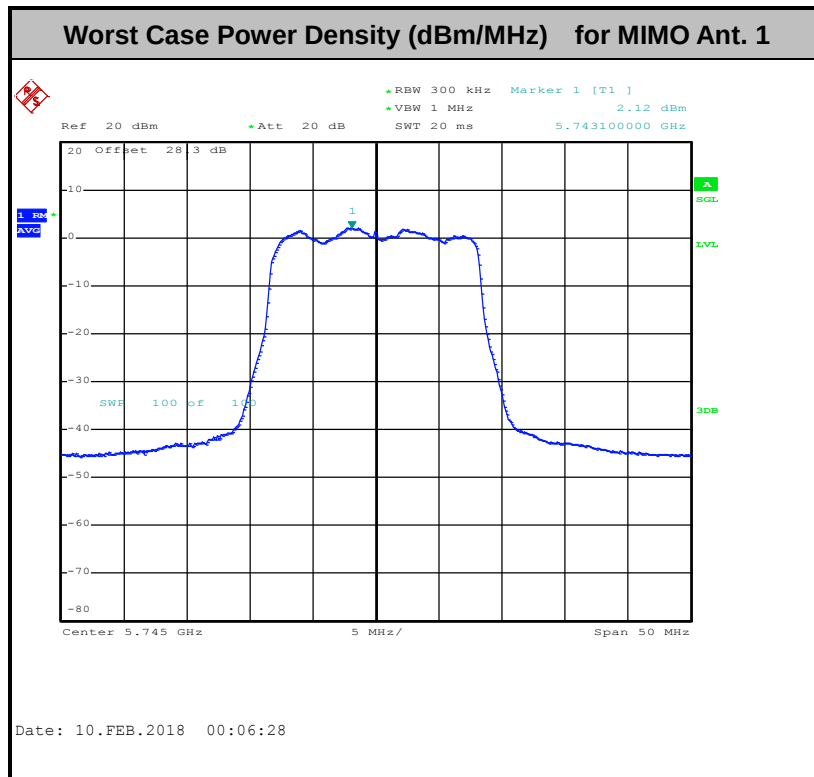
3.3.4 Test Setup





3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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.

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



EIRP (dBm)	Field Strength at 3m (dBμV/m)
-17	78.3
- 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

The measuring equipment is listed in the section 4 of this test report.



3.4.3 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

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

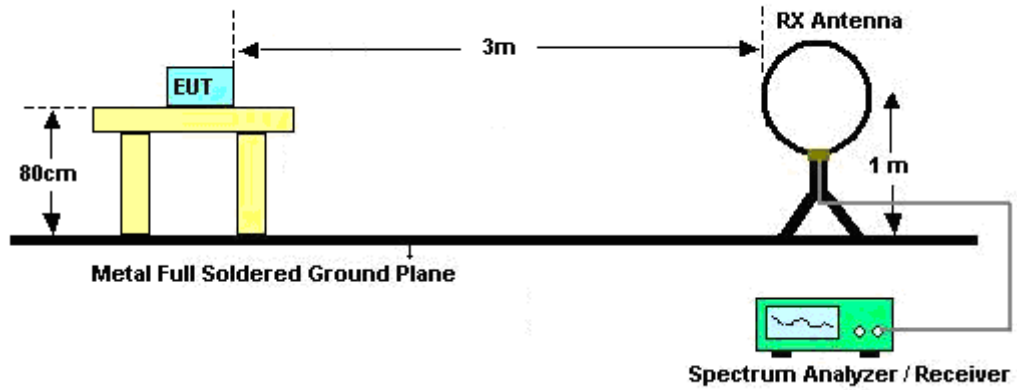
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



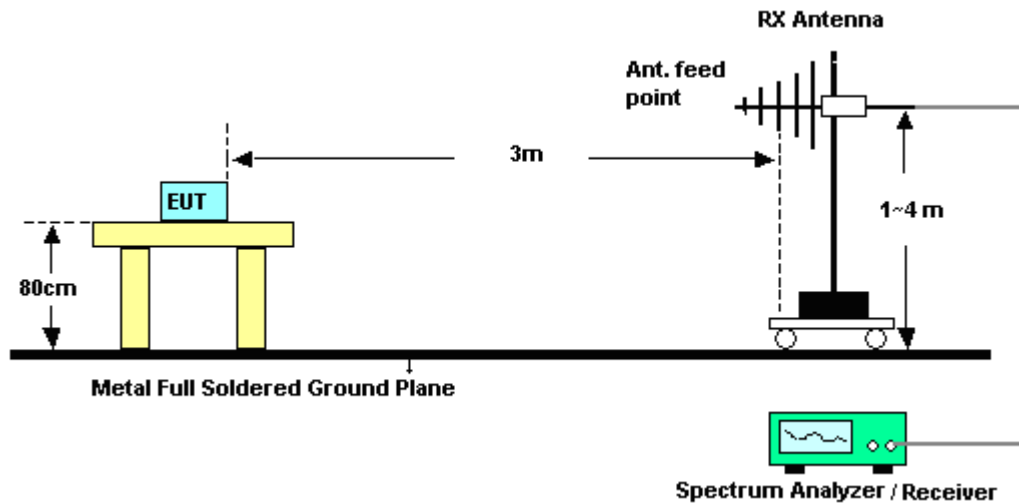
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

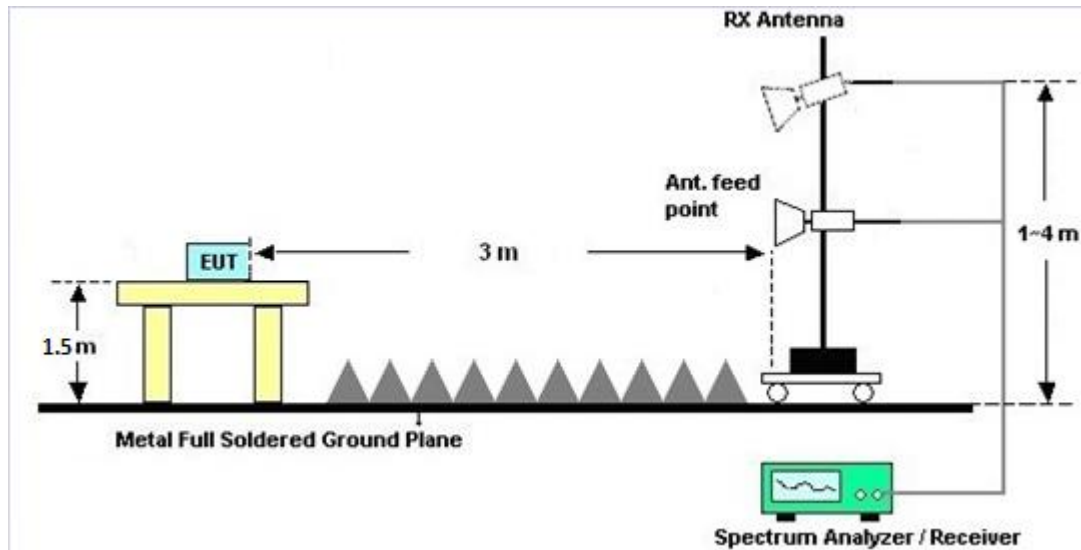
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated 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 semi-Anechoic chamber, 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 (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

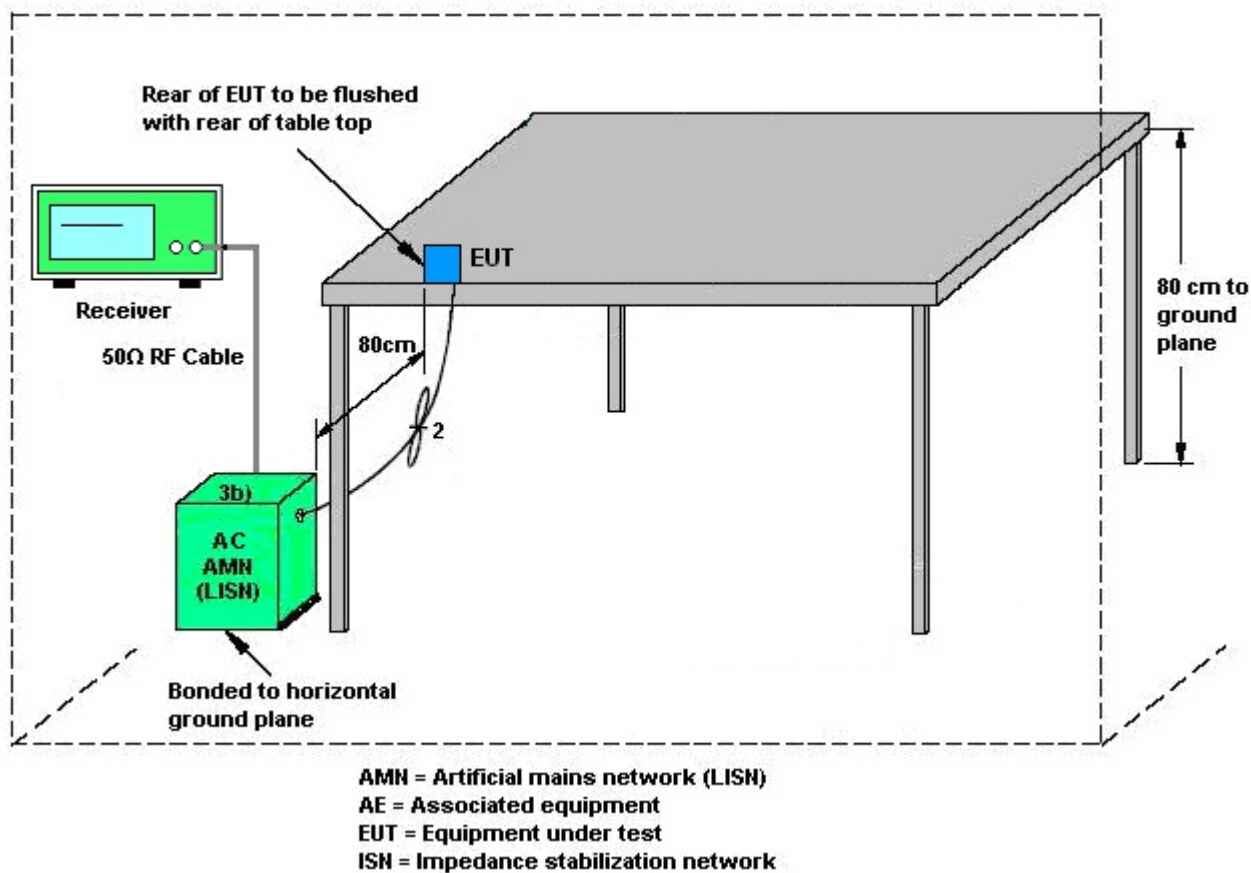
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 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.

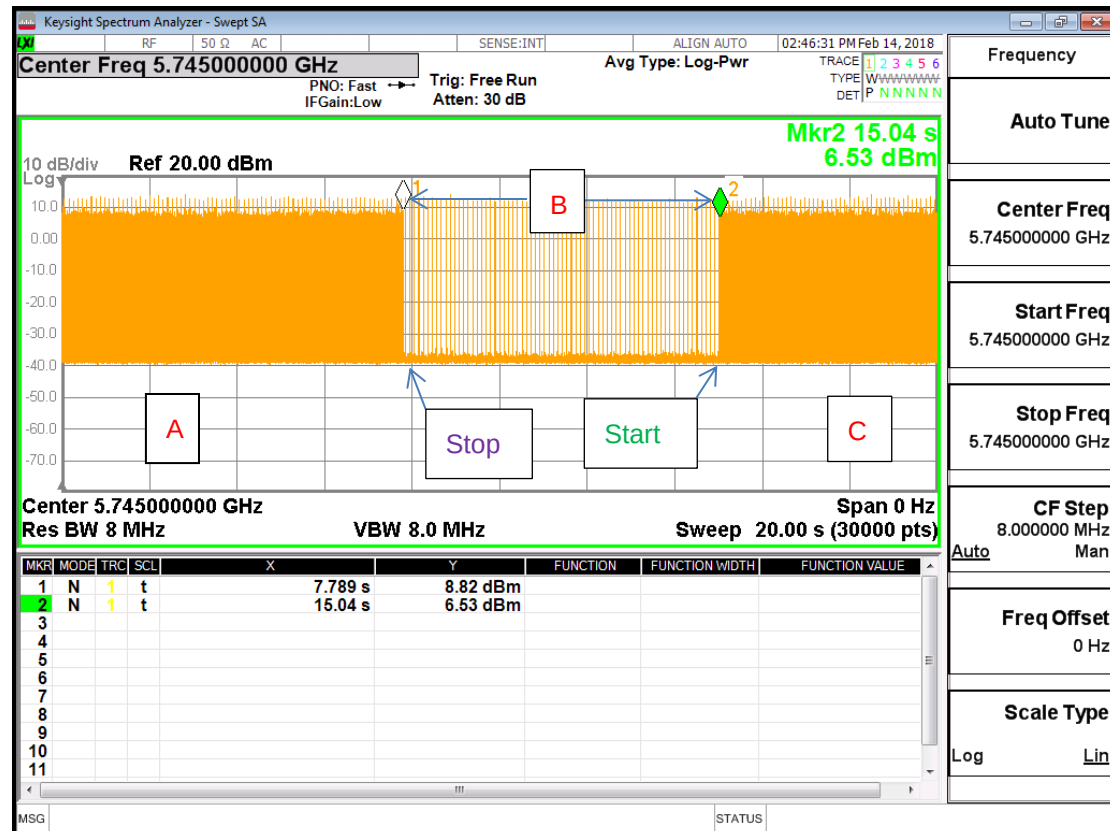
While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

- 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 / signalling 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 = G_{ANT} + Array Gain, where Array Gain is as follows.

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

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} 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>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 1 (dBi)	Ant. 2 (dBi)				
Band IV	4.90	3.50	4.90	7.24	0.00	1.24

$Power\ Limit\ Reduction = DG(Power) - 6dBi, (min = 0)$

$PSD\ Limit\ Reduction = DG(PSD) - 6dBi, (min = 0)$



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1218006	N/A	Oct. 06, 2017	Jan. 22, 2018~ Feb. 12, 2018	Oct. 05, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207363	300MHz~40GHz	Oct. 06, 2017	Jan. 22, 2018~ Feb. 12, 2018	Oct. 05, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz~40GHz	Nov. 21, 2017	Jan. 22, 2018~ Feb. 12, 2018	Nov. 20, 2018	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 19, 2017	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Sep. 20, 2017	Dec. 19, 2017	Sep. 19, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Dec. 19, 2017	Nov. 29, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 08, 2017	Dec. 19, 2017	Dec. 07, 2018	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	May 15, 2017	Jan. 26, 2018~ Feb. 05, 2018	May 14, 2019	Radiation (03CH13-HY)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 18, 2017	Jan. 26, 2018~ Feb. 05, 2018	Jul. 17, 2018	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 21, 2016	Jan. 26, 2018~ Feb. 05, 2018	Dec. 20, 2018	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&07	30MHz to 1GHz	Jan. 10, 2018	Jan. 26, 2018~ Feb. 05, 2018	Jan. 09, 2019	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-124 1	1GHz ~ 18GHz	Jun. 15, 2017	Jan. 26, 2018~ Feb. 05, 2018	Jun. 14, 2018	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 22, 2017	Jan. 26, 2018~ Feb. 05, 2018	May 21, 2018	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY532702 64	1GHz ~ 26.5GHz	Dec. 05, 2017	Jan. 26, 2018~ Feb. 05, 2018	Dec. 04, 2018	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY553705 26	N/A	Mar. 15, 2017	Jan. 26, 2018~ Feb. 05, 2018	Mar. 14, 2018	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jan. 26, 2018~ Feb. 05, 2018	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jan. 26, 2018~ Feb. 05, 2018	N/A	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 576	18GHz ~ 40GHz	Apr. 27, 2017	Jan. 26, 2018~ Feb. 05, 2018	Apr. 26, 2018	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY572901 11	3Hz~26.5GHz	Nov. 02, 2017	Jan. 26, 2018~ Feb. 05, 2018	Nov. 01, 2018	Radiation (03CH13-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.70
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.90
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.40
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.30
--	------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Kai Liao	Temperature:	21~25	°C
Test Date:	2018/1/22 ~ 2018/2/12	Relative Humidity:	51~54	%

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

Band IV													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	17.80	17.90	22.00	30.20	16.30	16.30	0.5	0.5	Pass
11a	6Mbps	1	157	5785	17.70	18.05	22.00	32.90	16.30	16.30	0.5	0.5	Pass
11a	6Mbps	1	165	5825	17.75	17.95	22.10	32.05	16.30	16.30	0.5	0.5	Pass
HT20	MCS0	1	149	5745	18.60	18.65	22.60	35.60	17.60	17.50	0.5	0.5	Pass
HT20	MCS0	1	157	5785	18.55	18.65	23.95	40.80	17.50	17.50	0.5	0.5	Pass
HT20	MCS0	1	165	5825	18.50	18.75	27.80	37.60	17.60	17.60	0.5	0.5	Pass
HT40	MCS0	1	151	5755	36.60	36.70	44.64	74.70	36.20	36.00	0.5	0.5	Pass
HT40	MCS0	1	159	5795	36.70	37.00	44.64	79.56	36.20	35.80	0.5	0.5	Pass
VHT80	MCS0	1	155	5775	75.84	75.84	83.41	102.40	75.20	75.12	0.5	0.5	Pass
11a	6Mbps	2	149	5745	16.90	17.70	20.40	21.70	15.40	15.90	0.5		Pass
11a	6Mbps	2	157	5785	17.70	18.00	21.90	21.90	16.30	16.30	0.5		Pass
11a	6Mbps	2	165	5825	17.85	17.75	21.90	21.80	16.20	16.30	0.5		Pass
HT20	MCS0	2	149	5745	18.60	18.60	22.20	22.20	17.60	17.60	0.5		Pass
HT20	MCS0	2	157	5785	18.60	18.60	22.05	22.30	17.55	17.60	0.5		Pass
HT20	MCS0	2	165	5825	18.65	18.65	22.20	22.50	17.60	17.60	0.5		Pass
HT40	MCS0	2	151	5755	36.60	36.60	41.04	40.68	36.00	35.40	0.5		Pass
HT40	MCS0	2	159	5795	36.70	36.60	41.04	40.86	35.40	36.25	0.5		Pass
VHT80	MCS0	2	155	5775	75.72	75.72	82.24	83.36	75.84	75.84	0.5		Pass

TEST RESULTS DATA
Average Power Table

Band IV														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.32	0.29	20.92	20.99	-	30.00	30.00	4.90	3.50	Pass
11a	6Mbps	1	157	5785	0.32	0.29	20.90	20.77		30.00	30.00	4.90	3.50	Pass
11a	6Mbps	1	165	5825	0.32	0.29	20.54	20.86		30.00	30.00	4.90	3.50	Pass
HT20	MCS0	1	149	5745	0.31	0.34	20.99	20.96		30.00	30.00	4.90	3.50	Pass
HT20	MCS0	1	157	5785	0.31	0.34	20.85	20.98		30.00	30.00	4.90	3.50	Pass
HT20	MCS0	1	165	5825	0.31	0.34	20.98	20.75		30.00	30.00	4.90	3.50	Pass
HT40	MCS0	1	151	5755	0.67	0.61	20.89	20.63		30.00	30.00	4.90	3.50	Pass
HT40	MCS0	1	159	5795	0.67	0.61	20.96	20.71		30.00	30.00	4.90	3.50	Pass
VHT20	MCS0	1	149	5745	0.31	0.31	20.95	20.91		30.00	30.00	4.90	3.50	Pass
VHT20	MCS0	1	157	5785	0.31	0.31	20.81	20.91		30.00	30.00	4.90	3.50	Pass
VHT20	MCS0	1	165	5825	0.31	0.31	20.92	20.70		30.00	30.00	4.90	3.50	Pass
VHT40	MCS0	1	151	5755	0.67	0.67	20.79	20.61		30.00	30.00	4.90	3.50	Pass
VHT40	MCS0	1	159	5795	0.67	0.67	20.94	20.70		30.00	30.00	4.90	3.50	Pass
VHT80	MCS0	1	155	5775	1.17	1.17	20.93	20.68		30.00	30.00	4.90	3.50	Pass
11a	6Mbps	2	149	5745	0.29	0.29	18.28	17.65	20.99	30.00		4.90		Pass
11a	6Mbps	2	157	5785	0.29	0.29	17.93	17.16	20.58	30.00		4.90		Pass
11a	6Mbps	2	165	5825	0.29	0.29	18.33	17.60	20.99	30.00		4.90		Pass
HT20	MCS0	2	149	5745	0.31	0.31	18.06	17.64	20.87	30.00		4.90		Pass
HT20	MCS0	2	157	5785	0.31	0.31	18.43	17.47	20.99	30.00		4.90		Pass
HT20	MCS0	2	165	5825	0.31	0.31	18.35	17.38	20.90	30.00		4.90		Pass
HT40	MCS0	2	151	5755	0.67	0.60	18.10	17.72	20.93	30.00		4.90		Pass
HT40	MCS0	2	159	5795	0.67	0.60	18.04	17.25	20.67	30.00		4.90		Pass
VHT20	MCS0	2	149	5745	0.31	0.34	17.97	17.62	20.81	30.00		4.90		Pass
VHT20	MCS0	2	157	5785	0.31	0.34	18.45	17.41	20.97	30.00		4.90		Pass
VHT20	MCS0	2	165	5825	0.31	0.34	18.11	17.39	20.78	30.00		4.90		Pass
VHT40	MCS0	2	151	5755	0.66	0.67	17.84	17.83	20.85	30.00		4.90		Pass
VHT40	MCS0	2	159	5795	0.66	0.67	17.89	17.27	20.60	30.00		4.90		Pass
VHT80	MCS0	2	155	5775	1.11	1.17	18.24	17.47	20.88	30.00		4.90		Pass

TEST RESULTS DATA
Power Spectral Density

Band IV																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.32	0.29	2.22	2.22	6.60	6.94		30.00	30.00	4.90	3.50	Pass
11a	6Mbps	1	157	5785	0.32	0.29	2.22	2.22	6.47	6.53		30.00	30.00	4.90	3.50	Pass
11a	6Mbps	1	165	5825	0.32	0.29	2.22	2.22	5.83	6.83		30.00	30.00	4.90	3.50	Pass
HT20	MCS0	1	149	5745	0.31	0.34	2.22	2.22	6.48	6.25		30.00	30.00	4.90	3.50	Pass
HT20	MCS0	1	157	5785	0.31	0.34	2.22	2.22	6.20	6.16		30.00	30.00	4.90	3.50	Pass
HT20	MCS0	1	165	5825	0.31	0.34	2.22	2.22	6.33	6.13		30.00	30.00	4.90	3.50	Pass
HT40	MCS0	1	151	5755	0.67	0.61	2.22	2.22	3.73	3.31		30.00	30.00	4.90	3.50	Pass
HT40	MCS0	1	159	5795	0.67	0.61	2.22	2.22	3.38	3.51		30.00	30.00	4.90	3.50	Pass
VHT80	MCS0	1	155	5775	1.17	1.17	2.22	2.22	0.29	0.65		30.00	30.00	4.90	3.50	Pass
11a	6Mbps	2	149	5745	0.29	0.29	2.22		4.63	2.10	7.64	28.76		7.24		Pass
11a	6Mbps	2	157	5785	0.29	0.29	2.22		4.61	1.33	7.62	28.76		7.24		Pass
11a	6Mbps	2	165	5825	0.29	0.29	2.22		4.95	2.11	7.96	28.76		7.24		Pass
HT20	MCS0	2	149	5745	0.31	0.31	2.22		4.28	1.82	7.29	28.76		7.24		Pass
HT20	MCS0	2	157	5785	0.31	0.31	2.22		3.85	0.87	6.86	28.76		7.24		Pass
HT20	MCS0	2	165	5825	0.31	0.31	2.22		4.00	1.50	7.01	28.76		7.24		Pass
HT40	MCS0	2	151	5755	0.67	0.60	2.22		1.05	-1.60	4.06	28.76		7.24		Pass
HT40	MCS0	2	159	5795	0.67	0.60	2.22		0.98	-2.02	3.99	28.76		7.24		Pass
VHT80	MCS0	2	155	5775	1.11	1.17	2.22		-1.10	-4.49	1.91	28.76		7.24		Pass

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



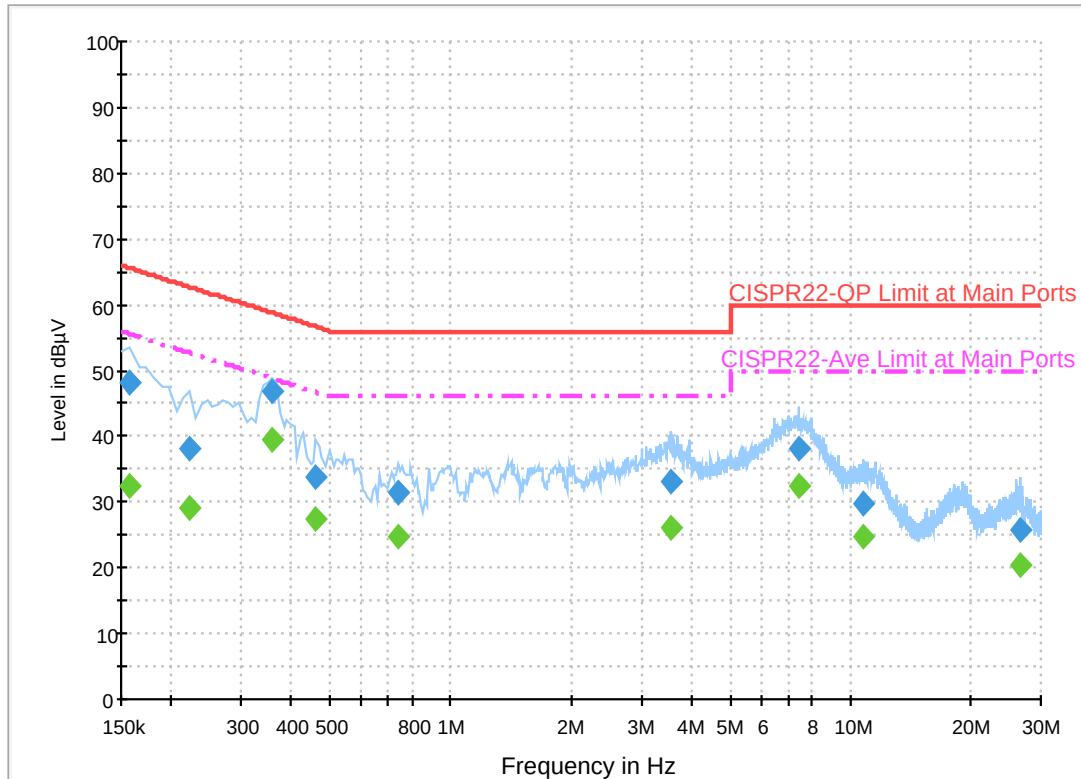
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Shareef Yu	Temperature :	21~25℃
		Relative Humidity :	51~55%

EUT Information

Report NO : 741112-01
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

ENV216 Auto Test-L



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	48.0	Off	L1	19.5	17.6	65.6
0.222000	38.2	Off	L1	19.5	24.5	62.7
0.358000	46.8	Off	L1	19.5	12.0	58.8
0.462000	33.7	Off	L1	19.5	23.0	56.7
0.742000	31.4	Off	L1	19.5	24.6	56.0
3.558000	33.1	Off	L1	19.5	22.9	56.0
7.446000	38.3	Off	L1	19.6	21.7	60.0
10.806000	29.8	Off	L1	19.7	30.2	60.0
26.582000	25.6	Off	L1	19.8	34.4	60.0

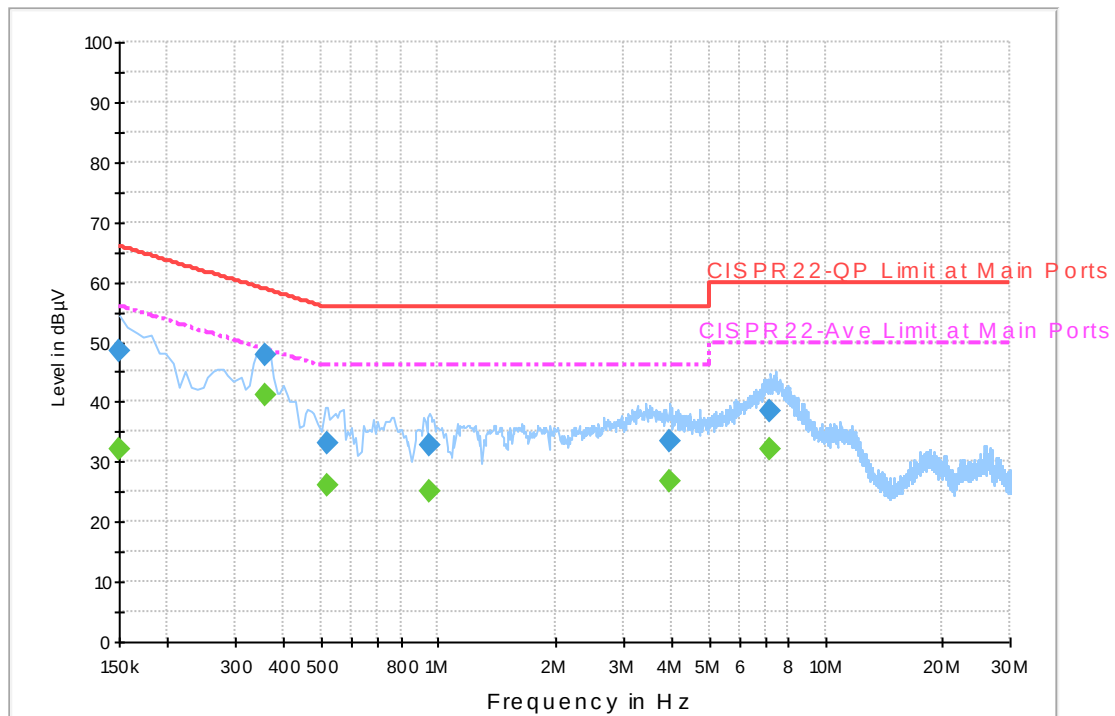
Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	32.4	Off	L1	19.5	23.2	55.6
0.222000	29.0	Off	L1	19.5	23.7	52.7
0.358000	39.4	Off	L1	19.5	9.4	48.8
0.462000	27.4	Off	L1	19.5	19.3	46.7
0.742000	24.6	Off	L1	19.5	21.4	46.0
3.558000	26.2	Off	L1	19.5	19.8	46.0
7.446000	32.6	Off	L1	19.6	17.4	50.0
10.806000	24.6	Off	L1	19.7	25.4	50.0
26.582000	20.4	Off	L1	19.8	29.6	50.0

EUT Information

Report NO : 741112-01
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

ENV216 Auto Test-N



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	48.5	Off	N	19.5	17.5	66.0
0.358000	47.7	Off	N	19.5	11.1	58.8
0.518000	33.2	Off	N	19.5	22.8	56.0
0.950000	32.7	Off	N	19.5	23.3	56.0
3.950000	33.4	Off	N	19.6	22.6	56.0
7.230000	38.3	Off	N	19.6	21.7	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	32.1	Off	N	19.5	23.9	56.0
0.358000	41.1	Off	N	19.5	7.7	48.8
0.518000	26.2	Off	N	19.5	19.8	46.0
0.950000	24.9	Off	N	19.5	21.1	46.0
3.950000	26.7	Off	N	19.6	19.3	46.0
7.230000	32.0	Off	N	19.6	18.0	50.0



Appendix C. Radiated Spurious Emission

Test Engineer :	Alex Jheng, Bill Chang, and Wilson Wu	Temperature :	24.7~25.2°C
		Relative Humidity :	49~53%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5619.2	58.21	-9.99	68.2	47.48	32.52	7.7	29.49	100	141	P	H
		5667.6	65.98	-15.28	81.26	55.18	32.57	7.75	29.52	100	141	P	H
		5719	62.23	-48.29	110.52	51.34	32.62	7.81	29.54	100	141	P	H
		5723.8	71.41	-48.05	119.46	60.52	32.62	7.81	29.54	100	141	P	H
	*	5745	117.37	-	-	106.46	32.64	7.83	29.56	100	141	P	H
	*	5745	109.42	-	-	98.51	32.64	7.83	29.56	100	141	A	H
		5854.6	55.06	-56.65	111.71	44.02	32.76	7.88	29.6	100	141	P	H
		5870	56.7	-49.9	106.6	45.68	32.76	7.88	29.62	100	141	P	H
		5905.2	60.57	-22.24	82.81	49.5	32.81	7.89	29.63	100	141	P	H
		5944.4	53.26	-14.94	68.2	42.18	32.85	7.89	29.66	100	141	P	H
		5625.8	54.27	-13.93	68.2	43.54	32.52	7.7	29.49	100	249	P	V
		5665.2	63.33	-16.15	79.48	52.54	32.56	7.75	29.52	100	249	P	V
		5720	59.52	-51.28	110.8	48.63	32.62	7.81	29.54	100	249	P	V
		5724.8	63.8	-57.94	121.74	52.91	32.62	7.81	29.54	100	249	P	V
	*	5745	113.81	-	-	102.9	32.64	7.83	29.56	100	249	P	V
	*	5745	105.71	-	-	94.8	32.64	7.83	29.56	100	249	A	V
		5851.6	50.6	-67.95	118.55	39.58	32.74	7.88	29.6	100	249	P	V
		5865.6	53.22	-54.61	107.83	42.2	32.76	7.88	29.62	100	249	P	V
		5904.8	57.42	-25.69	83.11	46.35	32.81	7.89	29.63	100	249	P	V
		5945.4	53.08	-15.12	68.2	42	32.85	7.89	29.66	100	249	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5625.2	61.54	-6.66	68.2	50.81	32.52	7.7	29.49	100	140	P	H
		5697.6	65.59	-37.84	103.43	54.76	32.59	7.77	29.53	100	140	P	H
		5702.8	66.19	-39.8	105.99	55.32	32.61	7.79	29.53	100	140	P	H
		5721.4	54.07	-59.92	113.99	43.18	32.62	7.81	29.54	100	140	P	H
	*	5785	116.05	-	-	105.09	32.68	7.86	29.58	100	140	P	H
	*	5785	108.59	-	-	97.63	32.68	7.86	29.58	100	140	A	H
		5853.6	54	-59.99	113.99	42.96	32.76	7.88	29.6	100	140	P	H
		5867.4	64.76	-42.57	107.33	53.74	32.76	7.88	29.62	100	140	P	H
		5908	56.05	-24.69	80.74	44.98	32.81	7.89	29.63	100	140	P	H
		5941.2	61.73	-6.47	68.2	50.65	32.85	7.89	29.66	100	140	P	H
		5631.8	55.9	-12.3	68.2	45.17	32.52	7.72	29.51	100	249	P	V
		5699.2	62.18	-42.43	104.61	51.35	32.59	7.77	29.53	100	249	P	V
		5705.6	63.56	-43.21	106.77	52.7	32.61	7.79	29.54	100	249	P	V
		5724	50.7	-69.22	119.92	39.81	32.62	7.81	29.54	100	249	P	V
	*	5785	112.69	-	-	101.73	32.68	7.86	29.58	100	249	P	V
	*	5785	105.03	-	-	94.07	32.68	7.86	29.58	100	249	A	V
		5854.9	51.12	-59.91	111.03	40.08	32.76	7.88	29.6	100	249	P	V
		5857.6	62.11	-47.96	110.07	51.07	32.76	7.88	29.6	100	249	P	V
		5904	55.04	-28.66	83.7	43.98	32.8	7.89	29.63	100	249	P	V
		5938.4	58.64	-9.56	68.2	47.58	32.83	7.89	29.66	100	249	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		5618.4	54.07	-14.13	68.2	43.34	32.52	7.7	29.49	100	142	P	H
		5671.2	59.03	-24.9	83.93	48.23	32.57	7.75	29.52	100	142	P	H
		5707.6	56.57	-50.76	107.33	45.71	32.61	7.79	29.54	100	142	P	H
		5723.8	52.55	-66.91	119.46	41.66	32.62	7.81	29.54	100	142	P	H
	*	5825	115.65	-	-	104.63	32.73	7.88	29.59	100	142	P	H
	*	5825	108.19	-	-	97.17	32.73	7.88	29.59	100	142	A	H
		5851	63.79	-56.13	119.92	52.77	32.74	7.88	29.6	100	142	P	H
		5856.6	62.94	-47.41	110.35	51.9	32.76	7.88	29.6	100	142	P	H
		5904.4	64.59	-18.82	83.41	53.53	32.8	7.89	29.63	100	142	P	H
		5945	56.51	-11.69	68.2	45.43	32.85	7.89	29.66	100	142	P	H
		5632.2	52.98	-15.22	68.2	42.25	32.52	7.72	29.51	100	251	P	V
		5662.8	55.28	-22.42	77.7	44.51	32.56	7.73	29.52	100	251	P	V
		5702.8	53.85	-52.14	105.99	42.98	32.61	7.79	29.53	100	251	P	V
		5723	52.02	-65.62	117.64	41.13	32.62	7.81	29.54	100	251	P	V
	*	5825	112.59	-	-	101.57	32.73	7.88	29.59	100	251	P	V
	*	5825	105.22	-	-	94.2	32.73	7.88	29.59	100	251	A	V
		5851.4	61.62	-57.39	119.01	50.6	32.74	7.88	29.6	100	251	P	V
		5855.8	55.79	-54.79	110.58	44.75	32.76	7.88	29.6	100	251	P	V
		5905.6	62.73	-19.79	82.52	51.66	32.81	7.89	29.63	100	251	P	V
		5940.4	54.35	-13.85	68.2	43.27	32.85	7.89	29.66	100	251	P	V



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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz	-	1498	62.77	-	-	64.89	24.7	3.81	30.63	396	305	P	H
	-	4486	57.79	-	-	49.43	31.05	6.76	29.45	340	109	P	H
		5266	63.61	-4.59	68.2	53.48	32.12	7.41	29.4	100	125	P	H
		5505	67.04	-1.16	68.2	56.49	32.4	7.59	29.44	100	128	P	H
		5985	62.41	-5.79	68.2	51.31	32.88	7.89	29.67	100	150	P	H
		11490	47.58	-26.42	74	52.27	39.91	11.3	56.41	100	0	P	H
		17235	49.06	-19.14	68.2	50.69	40.56	13.44	56.27	100	0	P	H
	-	1492	61.39	-	-	63.64	24.7	3.79	30.74	351	78	P	V
	-	4486	59.07	-	-	50.71	31.05	6.76	29.45	346	235	P	V
		5266	58.18	-10.02	68.2	48.05	32.12	7.41	29.4	100	235	P	V
		5505	61.24	-6.96	68.2	50.69	32.4	7.59	29.44	100	260	P	V
		5985	60.14	-8.06	68.2	49.04	32.88	7.89	29.67	104	253	P	V
		11490	49.67	-24.33	74	54.36	39.91	11.3	56.41	100	0	P	V
		17235	49.7	-18.5	68.2	51.33	40.56	13.44	56.27	100	0	P	V
802.11a CH 157 5785MHz	-	1498	62.89	-	-	65.01	24.7	3.81	30.63	396	305	P	H
	-	4486	57.53	-	-	49.17	31.05	6.76	29.45	338	116	P	H
		5303	64.12	-4.08	68.2	53.93	32.16	7.43	29.4	100	126	P	H
		5544	65.83	-2.37	68.2	55.22	32.43	7.63	29.45	100	130	P	H
		6025	62.85	-5.35	68.2	51.67	32.99	7.88	29.69	100	145	P	H
		11570	46.84	-27.16	74	51.73	39.73	11.31	56.44	100	0	P	H
		17355	49.71	-18.49	68.2	51.18	40.84	13.52	56.46	100	0	P	H
	-	1498	60.54	-	-	62.66	24.7	3.81	30.63	351	78	P	V
	-	4486	58.36	-	-	50	31.05	6.76	29.45	340	238	P	V
		5303	59.18	-9.02	68.2	48.99	32.16	7.43	29.4	113	260	P	V
		5544	61.73	-6.47	68.2	51.12	32.43	7.63	29.45	100	250	P	V
		6025	61.39	-6.81	68.2	50.21	32.99	7.88	29.69	100	251	P	V
		11570	47.69	-26.31	74	52.58	39.73	11.31	56.44	100	0	P	V
		17355	49.14	-19.06	68.2	50.61	40.84	13.52	56.46	100	0	P	V



802.11a CH 165 5825MHz	-	1498	62.81	-	-	64.93	24.7	3.81	30.63	396	305	P	H
	-	4486	57.3	-	-	48.94	31.05	6.76	29.45	328	116	P	H
		5339	63.43	-4.77	68.2	53.19	32.2	7.45	29.41	100	126	P	H
		5583	65.79	-2.41	68.2	55.12	32.49	7.66	29.48	101	131	P	H
		6070	64.34	-3.86	68.2	53.1	33.09	7.87	29.72	100	152	P	H
		11650	46.33	-27.67	74	51.39	39.57	11.34	56.48	100	0	P	H
		17475	49.37	-18.83	68.2	50.69	41.12	13.59	56.65	100	0	P	H
	-	1498	62.16	-	-	64.28	24.7	3.81	30.63	351	78	P	V
	-	4486	59.11	-	-	50.75	31.05	6.76	29.45	345	235	P	V
		5339	59.6	-8.6	68.2	49.36	32.2	7.45	29.41	100	258	P	V
		5582	61.29	-6.91	68.2	50.62	32.49	7.66	29.48	100	244	P	V
		6065	62.4	-5.8	68.2	51.16	33.09	7.87	29.72	100	244	P	V
		11650	48.2	-25.8	74	53.26	39.57	11.34	56.48	100	0	P	V
		17475	49.08	-19.12	68.2	50.4	41.12	13.59	56.65	100	0	P	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		5625	58.92	-9.28	68.2	48.19	32.52	7.7	29.49	100	138	P	H
		5673.2	65.87	-19.54	85.41	55.07	32.57	7.75	29.52	100	138	P	H
		5718.8	64.32	-46.14	110.46	53.43	32.62	7.81	29.54	100	138	P	H
		5724.8	75.98	-45.76	121.74	65.09	32.62	7.81	29.54	100	138	P	H
	*	5745	115.82	-	-	104.91	32.64	7.83	29.56	100	138	P	H
	*	5745	108.46	-	-	97.55	32.64	7.83	29.56	100	138	A	H
		5851.2	52.6	-66.86	119.46	41.58	32.74	7.88	29.6	100	138	P	H
		5866	55.82	-51.9	107.72	44.8	32.76	7.88	29.62	100	138	P	H
		5909.4	60.07	-19.64	79.71	49.01	32.81	7.89	29.64	100	138	P	H
		5945	52.9	-15.3	68.2	41.82	32.85	7.89	29.66	100	138	P	H
		5628	53.76	-14.44	68.2	43.01	32.52	7.72	29.49	111	250	P	V
		5669	60.13	-22.17	82.3	49.33	32.57	7.75	29.52	111	250	P	V
		5720	58.85	-51.95	110.8	47.96	32.62	7.81	29.54	111	250	P	V
		5725	71.53	-50.67	122.2	60.64	32.62	7.81	29.54	111	250	P	V
	*	5745	112.65	-	-	101.74	32.64	7.83	29.56	100	250	P	V
	*	5745	104.76	-	-	93.85	32.64	7.83	29.56	100	250	A	V
		5854	52.42	-60.66	113.08	41.38	32.76	7.88	29.6	100	250	P	V
		5859.2	54.56	-55.06	109.62	43.54	32.76	7.88	29.62	100	250	P	V
		5902.8	58.66	-25.93	84.59	47.6	32.8	7.89	29.63	100	250	P	V
		5943.8	53.38	-14.82	68.2	42.3	32.85	7.89	29.66	100	250	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 157 5785MHz		5626.2	59.28	-8.92	68.2	48.55	32.52	7.7	29.49	100	141	P	H
		5698.8	65.29	-39.03	104.32	54.46	32.59	7.77	29.53	100	141	P	H
		5712.2	65.34	-43.28	108.62	54.48	32.61	7.79	29.54	100	141	P	H
		5723.8	52.84	-66.62	119.46	41.95	32.62	7.81	29.54	100	141	P	H
	*	5785	115.63	-	-	104.67	32.68	7.86	29.58	100	141	P	H
	*	5785	107.64	-	-	96.68	32.68	7.86	29.58	100	141	A	H
		5851.6	52.51	-66.04	118.55	41.49	32.74	7.88	29.6	100	141	P	H
		5871.8	63.65	-42.44	106.09	52.61	32.78	7.88	29.62	100	141	P	H
		5900.4	55	-31.36	86.36	43.94	32.8	7.89	29.63	100	141	P	H
		5939	59.62	-8.58	68.2	48.54	32.85	7.89	29.66	100	141	P	H
		5632.8	56.18	-12.02	68.2	45.43	32.54	7.72	29.51	100	248	P	V
		5698.6	61.39	-42.78	104.17	50.56	32.59	7.77	29.53	100	248	P	V
		5706	62.17	-44.71	106.88	51.31	32.61	7.79	29.54	100	248	P	V
		5722.8	52.7	-64.48	117.18	41.81	32.62	7.81	29.54	100	248	P	V
	*	5785	110.89	-	-	99.93	32.68	7.86	29.58	100	248	P	V
	*	5785	103.57	-	-	92.61	32.68	7.86	29.58	100	248	A	V
		5852.4	51.96	-64.77	116.73	40.94	32.74	7.88	29.6	100	248	P	V
		5866.2	61.38	-46.28	107.66	50.36	32.76	7.88	29.62	100	248	P	V
		5909.4	55.59	-24.12	79.71	44.53	32.81	7.89	29.64	100	248	P	V
		5944.8	58.12	-10.08	68.2	47.04	32.85	7.89	29.66	100	248	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 165 5825MHz		5629.8	56.67	-11.53	68.2	45.94	32.52	7.72	29.51	100	141	P	H
		5662.4	61.65	-15.76	77.41	50.88	32.56	7.73	29.52	100	141	P	H
		5706.2	58.83	-48.11	106.94	47.97	32.61	7.79	29.54	100	141	P	H
		5724.4	55.43	-65.4	120.83	44.54	32.62	7.81	29.54	100	141	P	H
	*	5825	116.15	-	-	105.13	32.73	7.88	29.59	100	141	P	H
	*	5825	108.58	-	-	97.56	32.73	7.88	29.59	100	141	A	H
		5850.2	65.97	-55.77	121.74	54.95	32.74	7.88	29.6	100	141	P	H
		5855.6	61.7	-48.93	110.63	50.66	32.76	7.88	29.6	100	141	P	H
		5900.4	64.19	-22.17	86.36	53.13	32.8	7.89	29.63	100	141	P	H
		5949.2	55.38	-12.82	68.2	44.3	32.85	7.89	29.66	100	141	P	H
		5631.6	53.53	-14.67	68.2	42.8	32.52	7.72	29.51	100	248	P	V
		5669.6	58.58	-24.16	82.74	47.78	32.57	7.75	29.52	100	248	P	V
		5701.8	56.54	-49.16	105.7	45.67	32.61	7.79	29.53	100	248	P	V
		5721.4	51.33	-62.66	113.99	40.44	32.62	7.81	29.54	100	248	P	V
	*	5825	112.18	-	-	101.16	32.73	7.88	29.59	100	248	P	V
	*	5825	104.58	-	-	93.56	32.73	7.88	29.59	100	248	A	V
		5852.4	61.08	-55.65	116.73	50.06	32.74	7.88	29.6	100	248	P	V
		5858.8	59.32	-50.41	109.73	48.3	32.76	7.88	29.62	100	248	P	V
		5903.4	62.59	-21.56	84.15	51.53	32.8	7.89	29.63	100	248	P	V
		5943.8	54.54	-13.66	68.2	43.46	32.85	7.89	29.66	100	248	P	V



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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz	-	1498	63.33	-	-	65.45	24.7	3.81	30.63	396	305	P	H
	-	4486	57.38	-	-	49.02	31.05	6.76	29.45	330	115	P	H
		5266	63.1	-5.1	68.2	52.97	32.12	7.41	29.4	100	126	P	H
		5505	65.53	-2.67	68.2	54.98	32.4	7.59	29.44	100	126	P	H
		5985	63.13	-5.07	68.2	52.03	32.88	7.89	29.67	100	155	P	H
		11490	46.88	-27.12	74	51.57	39.91	11.3	56.41	100	0	P	H
		17235	48.56	-19.64	68.2	50.19	40.56	13.44	56.27	100	0	P	H
	-	1498	61.45	-	-	63.57	24.7	3.81	30.63	351	78	P	V
	-	4486	59.85	-	-	51.49	31.05	6.76	29.45	342	236	P	V
		5266	58.95	-9.25	68.2	48.82	32.12	7.41	29.4	100	259	P	V
		5505	61.3	-6.9	68.2	50.75	32.4	7.59	29.44	103	261	P	V
		5985	60.21	-7.99	68.2	49.11	32.88	7.89	29.67	100	270	P	V
		11490	47.9	-26.1	74	52.59	39.91	11.3	56.41	100	0	P	V
		17235	48.39	-19.81	68.2	50.02	40.56	13.44	56.27	100	0	P	V
802.11n HT20 CH 157 5785MHz	-	1498	62.59	-	-	64.71	24.7	3.81	30.63	396	305	P	H
	-	4489	55.52	-	-	47.16	31.05	6.76	29.45	341	122	P	H
		5303	63.96	-4.24	68.2	53.77	32.16	7.43	29.4	100	125	P	H
		5544	65.87	-2.33	68.2	55.26	32.43	7.63	29.45	100	130	P	H
		6025	64.12	-4.08	68.2	52.94	32.99	7.88	29.69	100	152	P	H
		11570	46.94	-27.06	74	51.83	39.73	11.31	56.44	100	0	P	H
		17355	48.49	-19.71	68.2	49.96	40.84	13.52	56.46	100	0	P	H
	-	1498	62.02	-	-	64.14	24.7	3.81	30.63	351	78	P	V
	-	4489	57.46	-	-	49.1	31.05	6.76	29.45	343	233	P	V
		5303	58.99	-9.21	68.2	48.8	32.16	7.43	29.4	112	258	P	V
		5544	59.7	-8.5	68.2	49.09	32.43	7.63	29.45	100	248	P	V
		6025	60.71	-7.49	68.2	49.53	32.99	7.88	29.69	100	251	P	V
		11570	48.38	-25.62	74	53.27	39.73	11.31	56.44	100	0	P	V
		17355	48.67	-19.53	68.2	50.14	40.84	13.52	56.46	100	0	P	V



802.11n HT20 CH 165 5825MHz	-	1498	62.92	-	-	65.04	24.7	3.81	30.63	396	305	P	H
		5339	65.19	-3.01	68.2	54.95	32.2	7.45	29.41	100	127	P	H
		5582	66.61	-1.59	68.2	55.94	32.49	7.66	29.48	100	129	P	H
		5985	66.29	-1.91	68.2	55.19	32.88	7.89	29.67	100	155	P	H
		6065	65.54	-2.66	68.2	54.3	33.09	7.87	29.72	100	155	P	H
		11650	46.84	-27.16	74	51.9	39.57	11.34	56.48	100	0	P	H
		17475	49.52	-18.68	68.2	50.84	41.12	13.59	56.65	100	0	P	H
	-	1498	61.18	-	-	63.3	24.7	3.81	30.63	351	78	P	V
		5339	62.33	-5.87	68.2	52.09	32.2	7.45	29.41	100	262	P	V
		5582	63.92	-4.28	68.2	53.25	32.49	7.66	29.48	100	244	P	V
		5985	64.51	-3.69	68.2	53.41	32.88	7.89	29.67	100	267	P	V
		6065	65.23	-2.97	68.2	53.99	33.09	7.87	29.72	100	251	P	V
		11650	48.55	-25.45	74	53.61	39.57	11.34	56.48	100	0	P	V
		17475	49.45	-18.75	68.2	50.77	41.12	13.59	56.65	100	0	P	V
	Remark 1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		5612.4	58.98	-9.22	68.2	48.27	32.5	7.7	29.49	100	141	P	H
		5684	63.7	-29.7	93.4	52.87	32.59	7.77	29.53	100	141	P	H
		5718.2	72.86	-37.44	110.3	61.97	32.62	7.81	29.54	100	141	P	H
		5720.6	79.54	-32.63	112.17	68.65	32.62	7.81	29.54	100	141	P	H
	*	5755	113.17	-	-	102.23	32.66	7.84	29.56	100	141	P	H
	*	5755	105.54	-	-	94.6	32.66	7.84	29.56	100	141	A	H
		5850.2	60.58	-61.16	121.74	49.56	32.74	7.88	29.6	100	141	P	H
		5865	55.49	-52.51	108	44.47	32.76	7.88	29.62	100	141	P	H
		5901.4	59.27	-26.35	85.62	48.21	32.8	7.89	29.63	100	141	P	H
		5927.2	58	-10.2	68.2	46.92	32.83	7.89	29.64	100	141	P	H
		5609	56.11	-12.09	68.2	45.42	32.5	7.68	29.49	101	267	P	V
		5692.2	60.27	-39.18	99.45	49.44	32.59	7.77	29.53	101	267	P	V
		5720	68.41	-42.39	110.8	57.52	32.62	7.81	29.54	101	267	P	V
		5721.4	69.59	-44.4	113.99	58.7	32.62	7.81	29.54	101	267	P	V
	*	5755	109.47	-	-	98.53	32.66	7.84	29.56	101	267	P	V
	*	5755	101.8	-	-	90.86	32.66	7.84	29.56	101	267	A	V
		5852.2	57.08	-60.1	117.18	46.06	32.74	7.88	29.6	101	267	P	V
		5863.2	52.03	-56.47	108.5	41.01	32.76	7.88	29.62	101	267	P	V
		5912	56.35	-21.44	77.79	45.29	32.81	7.89	29.64	101	267	P	V
		5930	54.95	-13.25	68.2	43.87	32.83	7.89	29.64	101	267	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 159 5795MHz		5649.8	60.82	-7.38	68.2	50.04	32.56	7.73	29.51	100	141	P	H
		5697.8	63.19	-40.39	103.58	52.36	32.59	7.77	29.53	100	141	P	H
		5710.4	65.17	-42.94	108.11	54.31	32.61	7.79	29.54	100	141	P	H
		5720.8	63.88	-48.74	112.62	52.99	32.62	7.81	29.54	100	141	P	H
	*	5795	113.69	-	-	102.7	32.69	7.88	29.58	100	141	P	H
	*	5795	105.92	-	-	94.93	32.69	7.88	29.58	100	141	A	H
		5851	69.6	-50.32	119.92	58.58	32.74	7.88	29.6	100	141	P	H
		5859.8	64.71	-44.74	109.45	53.69	32.76	7.88	29.62	100	141	P	H
		5877.8	61.65	-41.47	103.12	50.61	32.78	7.88	29.62	100	141	P	H
		5948.6	60.28	-7.92	68.2	49.2	32.85	7.89	29.66	100	141	P	H
		5648.8	57.47	-10.73	68.2	46.71	32.54	7.73	29.51	100	269	P	V
		5697.4	58.19	-45.09	103.28	47.36	32.59	7.77	29.53	100	269	P	V
		5710.4	60.08	-48.03	108.11	49.22	32.61	7.79	29.54	100	269	P	V
		5720.8	60.45	-52.17	112.62	49.56	32.62	7.81	29.54	100	269	P	V
	*	5795	109.79	-	-	98.8	32.69	7.88	29.58	100	269	P	V
	*	5795	101.88	-	-	90.89	32.69	7.88	29.58	100	269	A	V
		5852.4	64.49	-52.24	116.73	53.47	32.74	7.88	29.6	100	269	P	V
		5858.6	62.81	-46.98	109.79	51.79	32.76	7.88	29.62	100	269	P	V
		5888.2	57.34	-38.06	95.4	46.29	32.8	7.88	29.63	100	269	P	V
		5948	56.6	-11.6	68.2	45.52	32.85	7.89	29.66	100	269	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz	-	1498	63.46	-	-	65.58	24.7	3.81	30.63	396	305	P	H
		5515	62.6	-5.6	68.2	52.03	32.42	7.59	29.44	100	131	P	H
		5995	62	-6.2	68.2	50.89	32.9	7.89	29.68	100	155	P	H
		11510	46.91	-27.09	74	51.6	39.9	11.3	56.4	100	0	P	H
		17265	48.96	-19.24	68.2	50.55	40.64	13.46	56.33	100	0	P	H
	-	1498	61.64	-	-	63.76	24.7	3.81	30.63	351	78	P	V
		5515	56.76	-11.44	68.2	46.19	32.42	7.59	29.44	100	261	P	V
		5995	57.3	-10.9	68.2	46.19	32.9	7.89	29.68	100	251	P	V
		11510	47.63	-26.37	74	52.32	39.9	11.3	56.4	100	0	P	V
		17265	48.5	-19.7	68.2	50.09	40.64	13.46	56.33	100	0	P	V
802.11n HT40 CH 159 5795MHz	-	1498	63.24	-	-	65.36	24.7	3.81	30.63	396	305	P	H
		5555	59.17	-9.03	68.2	48.56	32.45	7.63	29.47	100	130	P	H
		5955	63.01	-5.19	68.2	51.93	32.85	7.89	29.66	116	159	P	H
		6035	58.77	-9.43	68.2	47.59	32.99	7.88	29.69	100	153	P	H
		11590	47.14	-26.86	74	52.07	39.69	11.32	56.45	100	0	P	H
		17385	49.38	-18.82	68.2	50.8	40.92	13.54	56.51	100	0	P	H
	-	1498	60.91	-	-	63.03	24.7	3.81	30.63	351	78	P	V
		5555	56.76	-11.44	68.2	46.15	32.45	7.63	29.47	100	259	P	V
		5955	61.08	-7.12	68.2	50	32.85	7.89	29.66	103	253	P	V
		6035	58.23	-9.97	68.2	47.05	32.99	7.88	29.69	100	255	P	V
		11590	47.14	-26.86	74	52.07	39.69	11.32	56.45	100	0	P	V
		17385	49.96	-18.24	68.2	51.38	40.92	13.54	56.51	100	0	P	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		5647.8	66.88	-1.32	68.2	56.12	32.54	7.73	29.51	100	138	P	H
		5692.4	72.41	-27.19	99.6	61.58	32.59	7.77	29.53	100	138	P	H
		5719.4	81.62	-29.01	110.63	70.73	32.62	7.81	29.54	100	138	P	H
		5723.4	79.82	-38.73	118.55	68.93	32.62	7.81	29.54	100	138	P	H
	*	5775	110.29	-	-	99.32	32.68	7.86	29.57	100	138	P	H
	*	5775	103.37	-	-	92.4	32.68	7.86	29.57	100	138	A	H
		5851.4	71.53	-47.48	119.01	60.51	32.74	7.88	29.6	100	138	P	H
		5863.6	70.29	-38.1	108.39	59.27	32.76	7.88	29.62	100	138	P	H
		5880.8	66.8	-34.09	100.89	55.76	32.78	7.88	29.62	100	138	P	H
		5925.8	61.67	-6.53	68.2	50.59	32.83	7.89	29.64	100	138	P	H
		5640	61.29	-6.91	68.2	50.54	32.54	7.72	29.51	100	251	P	V
		5700	66.08	-39.12	105.2	55.23	32.59	7.79	29.53	100	251	P	V
		5715.8	74.74	-34.89	109.63	63.88	32.61	7.79	29.54	100	251	P	V
		5722.6	73.68	-43.05	116.73	62.79	32.62	7.81	29.54	100	251	P	V
	*	5775	107.08	-	-	96.11	32.68	7.86	29.57	100	251	P	V
	*	5775	99.69	-	-	88.72	32.68	7.86	29.57	100	251	A	V
		5853.6	68.47	-45.52	113.99	57.43	32.76	7.88	29.6	100	251	P	V
		5855.2	68.08	-42.66	110.74	57.04	32.76	7.88	29.6	100	251	P	V
		5879.6	63.8	-37.98	101.78	52.76	32.78	7.88	29.62	100	251	P	V
		5928.2	60.17	-8.03	68.2	49.09	32.83	7.89	29.64	100	251	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz	-	1498	63.5	-	-	65.62	24.7	3.81	30.63	396	305	P	H
		6015	57.89	-10.31	68.2	46.74	32.95	7.89	29.69	100	157	P	H
		11550	46.26	-27.74	74	51.09	39.78	11.31	56.43	100	0	P	H
		17325	48.34	-19.86	68.2	49.86	40.76	13.5	56.41	100	0	P	H
	-	1498	61.44	-	-	63.56	24.7	3.81	30.63	351	78	P	V
		11550	46.08	-27.92	74	50.91	39.78	11.31	56.43	100	0	P	V
		17325	48.79	-19.41	68.2	50.31	40.76	13.5	56.41	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



Emission below 1GHz

5GHz WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		84.27	34.17	-5.83	40	51.32	14.16	0.95	32.3	100	0	P	H
		200.91	36.19	-7.31	43.5	51.8	15.11	1.48	32.27	-	-	P	H
		241.14	40.09	-5.91	46	53.09	17.54	1.59	32.21	-	-	P	H
		318.9	40.07	-5.93	46	50.89	19.48	1.76	32.13	-	-	P	H
		599.6	39.56	-6.44	46	43.64	25.61	2.42	32.21	-	-	P	H
		899.9	39.52	-6.48	46	38.95	29.03	2.94	31.51	-	-	P	H
		30.54	38.21	-1.79	40	46.02	23.96	0.59	32.34	100	156	QP	V
		30.54	41.65	1.65	40	49.46	23.96	0.59	32.34	100	156	P	V
		241.68	39.83	-6.17	46	52.83	17.54	1.59	32.21	-	-	P	V
		298.65	36.2	-9.8	46	47.27	19.28	1.72	32.13	-	-	P	V
		319.6	40.34	-5.66	46	51.15	19.49	1.76	32.13	-	-	P	V
		899.9	37.05	-8.95	46	36.48	29.03	2.94	31.51	-	-	P	V
		974.8	43.08	-10.92	54	39.89	30.79	3.08	30.83	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5620.8	57.17	-11.03	68.2	46.44	32.52	7.7	29.49	395	109	P	H
		5665.6	64.51	-15.27	79.78	53.72	32.56	7.75	29.52	395	109	P	H
		5716.2	64.59	-45.15	109.74	53.73	32.61	7.79	29.54	395	109	P	H
		5722.8	79.36	-37.82	117.18	68.47	32.62	7.81	29.54	395	109	P	H
	*	5745	113.83	-	-	102.92	32.64	7.83	29.56	395	109	P	H
	*	5745	106.34	-	-	95.43	32.64	7.83	29.56	395	109	A	H
		5854.4	51.28	-60.89	112.17	40.24	32.76	7.88	29.6	395	109	P	H
		5858.2	54.18	-55.72	109.9	43.16	32.76	7.88	29.62	395	109	P	H
		5902.2	56.32	-28.71	85.03	45.26	32.8	7.89	29.63	395	109	P	H
		5925.6	51.64	-16.56	68.2	40.56	32.83	7.89	29.64	395	109	P	H
		5621.2	55.08	-13.12	68.2	44.35	32.52	7.7	29.49	101	191	P	V
		5663.6	64.05	-14.25	78.3	53.26	32.56	7.75	29.52	101	191	P	V
		5711.2	66.15	-42.19	108.34	55.29	32.61	7.79	29.54	101	191	P	V
		5724.8	78.72	-43.02	121.74	67.83	32.62	7.81	29.54	101	191	P	V
	*	5745	112.2	-	-	101.29	32.64	7.83	29.56	101	191	P	V
	*	5745	104.78	-	-	93.87	32.64	7.83	29.56	101	191	A	V
		5851.2	51.36	-68.1	119.46	40.34	32.74	7.88	29.6	101	191	P	V
		5861.4	52.57	-56.44	109.01	41.55	32.76	7.88	29.62	101	191	P	V
		5897.2	55.54	-33.19	88.73	44.49	32.8	7.88	29.63	101	191	P	V
		5948.2	52.66	-15.54	68.2	41.58	32.85	7.89	29.66	101	191	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5623.8	61.27	-6.93	68.2	50.54	32.52	7.7	29.49	390	108	P	H
		5698	63.31	-40.42	103.73	52.48	32.59	7.77	29.53	390	108	P	H
		5703.6	64.27	-41.94	106.21	53.4	32.61	7.79	29.53	390	108	P	H
		5721.4	52.64	-61.35	113.99	41.75	32.62	7.81	29.54	390	108	P	H
	*	5785	113.23	-	-	102.27	32.68	7.86	29.58	390	108	P	H
	*	5785	105.76	-	-	94.8	32.68	7.86	29.58	390	108	A	H
		5850.6	51.33	-69.5	120.83	40.31	32.74	7.88	29.6	390	108	P	H
		5863.6	58.97	-49.42	108.39	47.95	32.76	7.88	29.62	390	108	P	H
		5903	51.85	-32.59	84.44	40.79	32.8	7.89	29.63	390	108	P	H
		5937.6	54.55	-13.65	68.2	43.49	32.83	7.89	29.66	390	108	P	H
		5627.2	58.47	-9.73	68.2	47.74	32.52	7.7	29.49	118	199	P	V
		5699.4	62.37	-42.39	104.76	51.54	32.59	7.77	29.53	118	199	P	V
		5708.4	63.68	-43.87	107.55	52.82	32.61	7.79	29.54	118	199	P	V
		5721	52.31	-60.77	113.08	41.42	32.62	7.81	29.54	118	199	P	V
	*	5785	111.47	-	-	100.51	32.68	7.86	29.58	118	199	P	V
	*	5785	103.97	-	-	93.01	32.68	7.86	29.58	118	199	A	V
		5850.4	50.27	-71.02	121.29	39.25	32.74	7.88	29.6	118	199	P	V
		5867.4	58.96	-48.37	107.33	47.94	32.76	7.88	29.62	118	199	P	V
		5896.8	52.33	-36.7	89.03	41.28	32.8	7.88	29.63	118	199	P	V
		5944.4	54.52	-13.68	68.2	43.44	32.85	7.89	29.66	118	199	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		5624.8	54.41	-13.79	68.2	43.68	32.52	7.7	29.49	400	108	P	H
		5666.6	59.92	-20.6	80.52	49.12	32.57	7.75	29.52	400	108	P	H
		5703.4	57.16	-48.99	106.15	46.29	32.61	7.79	29.53	400	108	P	H
		5724.6	53.02	-68.27	121.29	42.13	32.62	7.81	29.54	400	108	P	H
	*	5825	111.94	-	-	100.92	32.73	7.88	29.59	400	108	P	H
	*	5825	104.57	-	-	93.55	32.73	7.88	29.59	400	108	A	H
		5851	60.33	-59.59	119.92	49.31	32.74	7.88	29.6	400	108	P	H
		5855.4	60.07	-50.62	110.69	49.03	32.76	7.88	29.6	400	108	P	H
		5902.8	59.32	-25.27	84.59	48.26	32.8	7.89	29.63	400	108	P	H
		5942.6	51.46	-16.74	68.2	40.38	32.85	7.89	29.66	400	108	P	H
		5627.2	53.26	-14.94	68.2	42.53	32.52	7.7	29.49	120	202	P	V
		5663.8	58.65	-19.79	78.44	47.86	32.56	7.75	29.52	120	202	P	V
		5715.4	54.69	-54.82	109.51	43.83	32.61	7.79	29.54	120	202	P	V
		5724.2	52.41	-67.97	120.38	41.52	32.62	7.81	29.54	120	202	P	V
	*	5825	111.13	-	-	100.11	32.73	7.88	29.59	120	202	P	V
	*	5825	103.94	-	-	92.92	32.73	7.88	29.59	120	202	A	V
		5850.8	66.95	-53.43	120.38	55.93	32.74	7.88	29.6	120	202	P	V
		5858	63.15	-46.81	109.96	52.13	32.76	7.88	29.62	120	202	P	V
		5908.2	61.05	-19.55	80.6	49.98	32.81	7.89	29.63	120	202	P	V
		5940.4	52.71	-15.49	68.2	41.63	32.85	7.89	29.66	120	202	P	V



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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz	-	1498	64.08	-	-	66.2	24.7	3.81	30.63	396	305	P	H
	-	4492	57.16	-	-	48.8	31.05	6.76	29.45	360	114	P	H
		5506	62.24	-5.96	68.2	51.69	32.4	7.59	29.44	326	106	P	H
		5986	60.06	-8.14	68.2	48.97	32.88	7.89	29.68	269	77	P	H
		11490	46.66	-27.34	74	51.35	39.91	11.3	56.41	100	0	P	H
		17235	48.49	-19.71	68.2	50.12	40.56	13.44	56.27	100	0	P	H
	-	1498	61.66	-	-	63.78	24.7	3.81	30.63	351	78	P	V
	-	4492	58.2	-	-	49.84	31.05	6.76	29.45	306	235	P	V
		5506	60.77	-7.43	68.2	50.22	32.4	7.59	29.44	102	203	P	V
		5986	58.47	-9.73	68.2	47.38	32.88	7.89	29.68	103	193	P	V
		11490	47.07	-26.93	74	51.76	39.91	11.3	56.41	100	0	P	V
		17235	49.2	-19	68.2	50.83	40.56	13.44	56.27	100	0	P	V
802.11a CH 157 5785MHz	-	1498	63.23	-	-	65.35	24.7	3.81	30.63	396	305	P	H
	-	4486	57.27	-	-	48.91	31.05	6.76	29.45	400	114	P	H
		5546	64.14	-4.06	68.2	53.53	32.43	7.63	29.45	400	104	P	H
		6025	58	-10.2	68.2	46.82	32.99	7.88	29.69	118	97	P	H
		11570	46.16	-27.84	74	51.05	39.73	11.31	56.44	100	0	P	H
		17355	49.03	-19.17	68.2	50.5	40.84	13.52	56.46	100	0	P	H
	-	1498	62.45	-	-	64.57	24.7	3.81	30.63	351	78	P	V
	-	4486	58.02	-	-	49.66	31.05	6.76	29.45	304	243	P	V
		5546	62.48	-5.72	68.2	51.87	32.43	7.63	29.45	102	203	P	V
		6025	57.83	-10.37	68.2	46.65	32.99	7.88	29.69	100	274	P	V
		11570	46.52	-27.48	74	51.41	39.73	11.31	56.44	100	0	P	V
		17355	48.47	-19.73	68.2	49.94	40.84	13.52	56.46	100	0	P	V



802.11a CH 165 5825MHz	-	1498	63.95	-	-	66.07	24.7	3.81	30.63	396	305	P	H
	-	4486	56.58	-	-	48.22	31.05	6.76	29.45	400	123	P	H
		5585	64.02	-4.18	68.2	53.35	32.49	7.66	29.48	378	108	P	H
		6065	60.15	-8.05	68.2	48.91	33.09	7.87	29.72	100	98	P	H
		11650	46.42	-27.58	74	51.48	39.57	11.34	56.48	100	0	P	H
		17475	49.64	-18.56	68.2	50.96	41.12	13.59	56.65	100	0	P	H
	-	1498	62.97	-	-	65.09	24.7	3.81	30.63	351	78	P	V
	-	4486	56.02	-	-	47.66	31.05	6.76	29.45	168	168	P	V
		5585	62.8	-5.4	68.2	52.13	32.49	7.66	29.48	109	202	P	V
		6065	59.12	-9.08	68.2	47.88	33.09	7.87	29.72	100	197	P	V
		11650	46.32	-27.68	74	51.38	39.57	11.34	56.48	100	0	P	V
		17475	48.98	-19.22	68.2	50.3	41.12	13.59	56.65	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		5625.6	58.62	-9.58	68.2	47.89	32.52	7.7	29.49	392	107	P	H
		5662.8	63.32	-14.38	77.7	52.55	32.56	7.73	29.52	392	107	P	H
		5720	72.14	-38.66	110.8	61.25	32.62	7.81	29.54	392	107	P	H
		5724.8	83.28	-38.46	121.74	72.39	32.62	7.81	29.54	392	107	P	H
	*	5745	112.98	-	-	102.07	32.64	7.83	29.56	392	107	P	H
	*	5745	105.74	-	-	94.83	32.64	7.83	29.56	392	107	A	H
		5852	51.11	-66.53	117.64	40.09	32.74	7.88	29.6	392	107	P	H
		5865.6	52.69	-55.14	107.83	41.67	32.76	7.88	29.62	392	107	P	H
		5897.6	55.83	-32.61	88.44	44.77	32.8	7.89	29.63	392	107	P	H
		5941.4	52.59	-15.61	68.2	41.51	32.85	7.89	29.66	392	107	P	H
		5627.4	55.67	-12.53	68.2	44.94	32.52	7.7	29.49	101	192	P	V
		5667.2	63.75	-17.21	80.96	52.95	32.57	7.75	29.52	101	192	P	V
		5719.8	70.73	-40.01	110.74	59.84	32.62	7.81	29.54	101	192	P	V
		5724.6	79.9	-41.39	121.29	69.01	32.62	7.81	29.54	101	192	P	V
	*	5745	112.29	-	-	101.38	32.64	7.83	29.56	101	192	P	V
	*	5745	104.92	-	-	94.01	32.64	7.83	29.56	101	192	A	V
		5850.8	50.04	-70.34	120.38	39.02	32.74	7.88	29.6	101	192	P	V
		5872.4	52.47	-53.46	105.93	41.43	32.78	7.88	29.62	101	192	P	V
		5896.8	55.49	-33.54	89.03	44.44	32.8	7.88	29.63	101	192	P	V
		5948.8	53.84	-14.36	68.2	42.76	32.85	7.89	29.66	101	192	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 157 5785MHz		5626.4	60.54	-7.66	68.2	49.81	32.52	7.7	29.49	387	106	P	H
		5696.8	64.59	-38.25	102.84	53.76	32.59	7.77	29.53	387	106	P	H
		5702.8	64.09	-41.9	105.99	53.22	32.61	7.79	29.53	387	106	P	H
		5724.8	54.36	-67.38	121.74	43.47	32.62	7.81	29.54	387	106	P	H
	*	5785	113.24	-	-	102.28	32.68	7.86	29.58	387	106	P	H
	*	5785	105.42	-	-	94.46	32.68	7.86	29.58	387	106	A	H
		5850.6	50.94	-69.89	120.83	39.92	32.74	7.88	29.6	387	106	P	H
		5867.4	58.89	-48.44	107.33	47.87	32.76	7.88	29.62	387	106	P	H
		5911.6	53.4	-24.69	78.09	42.34	32.81	7.89	29.64	387	106	P	H
		5941.4	56.08	-12.12	68.2	45	32.85	7.89	29.66	387	106	P	H
		5622.8	58.92	-9.28	68.2	48.19	32.52	7.7	29.49	108	192	P	V
		5699.2	62.86	-41.75	104.61	52.03	32.59	7.77	29.53	108	192	P	V
		5711.2	63.11	-45.23	108.34	52.25	32.61	7.79	29.54	108	192	P	V
		5720.8	53.05	-59.57	112.62	42.16	32.62	7.81	29.54	108	192	P	V
	*	5785	112.41	-	-	101.45	32.68	7.86	29.58	108	192	P	V
	*	5785	104.18	-	-	93.22	32.68	7.86	29.58	108	192	A	V
		5853.4	53.04	-61.41	114.45	42.02	32.74	7.88	29.6	108	192	P	V
		5866.6	60.56	-46.99	107.55	49.54	32.76	7.88	29.62	108	192	P	V
		5908.6	53.89	-26.41	80.3	42.82	32.81	7.89	29.63	108	192	P	V
		5945.8	55.88	-12.32	68.2	44.8	32.85	7.89	29.66	108	192	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 165 5825MHz		5641.6	54.63	-13.57	68.2	43.88	32.54	7.72	29.51	400	110	P	H
		5667.4	60.46	-20.65	81.11	49.66	32.57	7.75	29.52	400	110	P	H
		5704.4	57.32	-49.11	106.43	46.45	32.61	7.79	29.53	400	110	P	H
		5724.2	54.25	-66.13	120.38	43.36	32.62	7.81	29.54	400	110	P	H
	*	5825	112.24	-	-	101.22	32.73	7.88	29.59	400	110	P	H
	*	5825	104.33	-	-	93.31	32.73	7.88	29.59	400	110	A	H
		5850.2	64.84	-56.9	121.74	53.82	32.74	7.88	29.6	400	110	P	H
		5855	60.95	-49.85	110.8	49.91	32.76	7.88	29.6	400	110	P	H
		5902.4	58.5	-26.39	84.89	47.44	32.8	7.89	29.63	400	110	P	H
		5943.4	52.1	-16.1	68.2	41.02	32.85	7.89	29.66	400	110	P	H
		5629.8	53.07	-15.13	68.2	42.34	32.52	7.72	29.51	100	200	P	V
		5663.4	58.53	-19.62	78.15	47.76	32.56	7.73	29.52	100	200	P	V
		5708	54.79	-52.65	107.44	43.93	32.61	7.79	29.54	100	200	P	V
		5723.4	52.49	-66.06	118.55	41.6	32.62	7.81	29.54	100	200	P	V
	*	5825	112.29	-	-	101.27	32.73	7.88	29.59	100	200	P	V
	*	5825	104.04	-	-	93.02	32.73	7.88	29.59	100	200	A	V
		5850	66.07	-56.13	122.2	55.05	32.74	7.88	29.6	100	200	P	V
		5855.4	63.67	-47.02	110.69	52.63	32.76	7.88	29.6	100	200	P	V
		5897	60.92	-27.96	88.88	49.87	32.8	7.88	29.63	100	200	P	V
		5941.8	53.36	-14.84	68.2	42.28	32.85	7.89	29.66	100	200	P	V



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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz	-	1498	63.79	-	-	65.91	24.7	3.81	30.63	396	305	P	H
	-	4492	56.37	-	-	48.01	31.05	6.76	29.45	363	119	P	H
		5506	63.34	-4.86	68.2	52.79	32.4	7.59	29.44	327	98	P	H
		5986	58.83	-9.37	68.2	47.74	32.88	7.89	29.68	365	79	P	H
		11490	46.49	-27.51	74	51.18	39.91	11.3	56.41	100	0	P	H
		17235	48.97	-19.23	68.2	50.6	40.56	13.44	56.27	100	0	P	H
	-	1498	62.85	-	-	64.97	24.7	3.81	30.63	351	78	P	V
	-	4492	58.56	-	-	50.2	31.05	6.76	29.45	322	240	P	V
		5506	62.36	-5.84	68.2	51.81	32.4	7.59	29.44	103	202	P	V
		5986	58.84	-9.36	68.2	47.75	32.88	7.89	29.68	111	194	P	V
		11490	47.48	-26.52	74	52.17	39.91	11.3	56.41	100	0	P	V
		17235	48.95	-19.25	68.2	50.58	40.56	13.44	56.27	100	0	P	V
802.11n HT20 CH 157 5785MHz	-	1492	62.2	-	-	64.45	24.7	3.79	30.74	396	305	P	H
	-	4492	58.17	-	-	49.81	31.05	6.76	29.45	400	105	P	H
		5546	64.88	-3.32	68.2	54.27	32.43	7.63	29.45	379	110	P	H
		6025	63.81	-4.39	68.2	52.63	32.99	7.88	29.69	328	106	P	H
		11570	46.35	-27.65	74	51.24	39.73	11.31	56.44	100	0	P	H
		17355	48.63	-19.57	68.2	50.1	40.84	13.52	56.46	100	0	P	H
	-	1498	61.94	-	-	64.06	24.7	3.81	30.63	351	78	P	V
	-	4492	58.54	-	-	50.18	31.05	6.76	29.45	340	230	P	V
		5546	62.46	-5.74	68.2	51.85	32.43	7.63	29.45	102	203	P	V
		6025	58.93	-9.27	68.2	47.75	32.99	7.88	29.69	100	275	P	V
		11570	46.95	-27.05	74	51.84	39.73	11.31	56.44	100	0	P	V
		17355	48.32	-19.88	68.2	49.79	40.84	13.52	56.46	100	0	P	V



802.11n HT20 CH 165 5825MHz	-	1498	63.46	-	-	65.58	24.7	3.81	30.63	396	305	P	H
	-	4486	57.42	-	-	49.06	31.05	6.76	29.45	378	116	P	H
		5585	63.55	-4.65	68.2	52.88	32.49	7.66	29.48	400	100	P	H
		6065	58.58	-9.62	68.2	47.34	33.09	7.87	29.72	101	98	P	H
		11650	47.09	-26.91	74	52.15	39.57	11.34	56.48	100	0	P	H
		17475	50.63	-17.57	68.2	51.95	41.12	13.59	56.65	100	0	P	H
	-	1498	62.16	-	-	64.28	24.7	3.81	30.63	351	78	P	V
	-	4486	58.22	-	-	49.86	31.05	6.76	29.45	307	241	P	V
		5585	62.97	-5.23	68.2	52.3	32.49	7.66	29.48	109	202	P	V
		6065	58.5	-9.7	68.2	47.26	33.09	7.87	29.72	101	198	P	V
		11650	46.97	-27.03	74	52.03	39.57	11.34	56.48	100	0	P	V
		17475	49.27	-18.93	68.2	50.59	41.12	13.59	56.65	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		5609.8	56.51	-11.69	68.2	45.8	32.5	7.7	29.49	100	101	P	H
		5690.6	65.94	-32.33	98.27	55.11	32.59	7.77	29.53	100	101	P	H
		5718	82.9	-27.34	110.24	72.01	32.62	7.81	29.54	100	101	P	H
		5720.2	86.24	-25.02	111.26	75.35	32.62	7.81	29.54	100	101	P	H
	*	5755	110.65	-	-	99.71	32.66	7.84	29.56	100	110	P	H
	*	5755	102.61	-	-	91.67	32.66	7.84	29.56	100	110	A	H
		5852.6	56.26	-60.01	116.27	45.24	32.74	7.88	29.6	100	110	P	H
		5856.6	54.04	-56.31	110.35	43	32.76	7.88	29.6	100	110	P	H
		5920.6	55.23	-16.21	71.44	44.17	32.81	7.89	29.64	100	110	P	H
		5927.2	54.52	-13.68	68.2	43.44	32.83	7.89	29.64	100	110	P	H
		5609.4	55.71	-12.49	68.2	45.02	32.5	7.68	29.49	100	271	P	V
		5697.2	63.78	-39.36	103.14	52.95	32.59	7.77	29.53	100	271	P	V
		5717.6	76.83	-33.3	110.13	65.94	32.62	7.81	29.54	100	271	P	V
		5724.2	76.14	-44.24	120.38	65.25	32.62	7.81	29.54	100	271	P	V
	*	5755	108.93	-	-	97.99	32.66	7.84	29.56	100	271	P	V
	*	5755	101.13	-	-	90.19	32.66	7.84	29.56	100	271	A	V
		5850.6	56.35	-64.48	120.83	45.33	32.74	7.88	29.6	100	271	P	V
		5858.6	53.97	-55.82	109.79	42.95	32.76	7.88	29.62	100	271	P	V
		5911.6	55.1	-22.99	78.09	44.04	32.81	7.89	29.64	100	271	P	V
		5925.2	54.4	-13.8	68.2	43.32	32.83	7.89	29.64	100	271	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 159 5795MHz		5641.2	58.39	-9.81	68.2	47.64	32.54	7.72	29.51	100	100	P	H
		5699	63.14	-41.32	104.46	52.31	32.59	7.77	29.53	100	100	P	H
		5714.8	64.87	-44.48	109.35	54.01	32.61	7.79	29.54	100	100	P	H
		5720.4	65.45	-46.26	111.71	54.56	32.62	7.81	29.54	100	100	P	H
	*	5795	110.83	-	-	99.84	32.69	7.88	29.58	100	100	P	H
	*	5795	103.76	-	-	92.77	32.69	7.88	29.58	100	100	A	H
		5852	62.42	-55.22	117.64	51.4	32.74	7.88	29.6	100	100	P	H
		5860.2	63.25	-46.09	109.34	52.23	32.76	7.88	29.62	100	100	P	H
		5877.8	61.45	-41.67	103.12	50.41	32.78	7.88	29.62	100	100	P	H
		5943.8	54.27	-13.93	68.2	43.19	32.85	7.89	29.66	100	100	P	H
		5640.8	58.35	-9.85	68.2	47.6	32.54	7.72	29.51	100	271	P	V
		5698.2	59.65	-44.22	103.87	48.82	32.59	7.77	29.53	100	271	P	V
		5717.8	63.58	-46.6	110.18	52.69	32.62	7.81	29.54	100	271	P	V
		5722	61.32	-54.04	115.36	50.43	32.62	7.81	29.54	100	271	P	V
	*	5795	108.89	-	-	97.9	32.69	7.88	29.58	100	271	P	V
	*	5795	101.76	-	-	90.77	32.69	7.88	29.58	100	271	A	V
		5854	62.26	-50.82	113.08	51.22	32.76	7.88	29.6	100	271	P	V
		5858.6	63.78	-46.01	109.79	52.76	32.76	7.88	29.62	100	271	P	V
		5883	58.52	-40.74	99.26	47.48	32.78	7.88	29.62	100	271	P	V
		5941	54.56	-13.64	68.2	43.48	32.85	7.89	29.66	100	271	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz	-	1498	63.96	-	-	66.08	24.7	3.81	30.63	396	305	P	H
	-	4492	57.43	-	-	49.07	31.05	6.76	29.45	369	113	P	H
		5515	57.37	-10.83	68.2	46.8	32.42	7.59	29.44	387	100	P	H
		11510	47.16	-26.84	74	51.85	39.9	11.3	56.4	100	0	P	H
		17265	49.88	-18.32	68.2	51.47	40.64	13.46	56.33	100	0	P	H
	-	1498	61.74	-	-	63.86	24.7	3.81	30.63	351	78	P	V
	-	4492	54.12	-	-	45.76	31.05	6.76	29.45	103	172	P	V
		5515	56.74	-11.46	68.2	46.17	32.42	7.59	29.44	109	199	P	V
		11510	47.96	-26.04	74	52.65	39.9	11.3	56.4	100	0	P	V
		17265	48.56	-19.64	68.2	50.15	40.64	13.46	56.33	100	0	P	V
802.11n HT40 CH 159 5795MHz	-	1498	63.37	-	-	65.49	24.7	3.81	30.63	396	305	P	H
	-	4489	56.76	-	-	48.4	31.05	6.76	29.45	343	116	P	H
		5555	57.69	-10.51	68.2	47.08	32.45	7.63	29.47	100	110	P	H
		6035	57.19	-11.01	68.2	46.01	32.99	7.88	29.69	100	86	P	H
		11590	47.05	-26.95	74	51.98	39.69	11.32	56.45	100	0	P	H
		17385	49.02	-19.18	68.2	50.44	40.92	13.54	56.51	100	0	P	H
	-	1498	61.89	-	-	64.01	24.7	3.81	30.63	351	78	P	V
	-	4489	58.58	-	-	50.22	31.05	6.76	29.45	339	235	P	V
		5555	58.06	-10.14	68.2	47.45	32.45	7.63	29.47	100	206	P	V
		6035	56.25	-11.95	68.2	45.07	32.99	7.88	29.69	100	195	P	V
		11590	46.29	-27.71	74	51.22	39.69	11.32	56.45	100	0	P	V
		17385	48.79	-19.41	68.2	50.21	40.92	13.54	56.51	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		5649.8	66.4	-1.8	68.2	55.62	32.56	7.73	29.51	100	101	P	H
		5695.4	79.18	-22.63	101.81	68.35	32.59	7.77	29.53	100	101	P	H
		5718.6	82.81	-27.6	110.41	71.92	32.62	7.81	29.54	100	101	P	H
		5721.2	83.8	-29.74	113.54	72.91	32.62	7.81	29.54	100	101	P	H
	*	5775	108.44	-	-	97.47	32.68	7.86	29.57	100	101	P	H
	*	5775	101.2	-	-	90.23	32.68	7.86	29.57	100	101	A	H
		5850.4	73.51	-47.78	121.29	62.49	32.74	7.88	29.6	100	101	P	H
		5858.8	72.09	-37.64	109.73	61.07	32.76	7.88	29.62	100	101	P	H
		5876.4	65.47	-38.69	104.16	54.43	32.78	7.88	29.62	100	101	P	H
		5925	59.53	-8.67	68.2	48.45	32.83	7.89	29.64	100	101	P	H
		5645	64.14	-4.06	68.2	53.39	32.54	7.72	29.51	100	275	P	V
		5699.8	77.3	-27.75	105.05	66.45	32.59	7.79	29.53	100	275	P	V
		5718	80.95	-29.29	110.24	70.06	32.62	7.81	29.54	100	275	P	V
		5722.6	81.98	-34.75	116.73	71.09	32.62	7.81	29.54	100	275	P	V
	*	5775	106.57	-	-	95.6	32.68	7.86	29.57	100	275	P	V
	*	5775	99.59	-	-	88.62	32.68	7.86	29.57	100	275	A	V
		5853.2	71.77	-43.13	114.9	60.75	32.74	7.88	29.6	100	275	P	V
		5859.2	68.92	-40.7	109.62	57.9	32.76	7.88	29.62	100	275	P	V
		5877.6	63.73	-39.54	103.27	52.69	32.78	7.88	29.62	100	275	P	V
		5925.6	57.07	-11.13	68.2	45.99	32.83	7.89	29.64	100	275	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz	-	1498	63.31	-	-	65.43	24.7	3.81	30.63	396	305	P	H
	-	4489	56.91	-	-	48.55	31.05	6.76	29.45	345	111	P	H
		11550	47.16	-26.84	74	51.99	39.78	11.31	56.43	100	0	P	H
		17325	48.56	-19.64	68.2	50.08	40.76	13.5	56.41	100	0	P	H
	-	1498	61.83	-	-	63.95	24.7	3.81	30.63	351	78	P	V
	-	4489	58.71	-	-	50.35	31.05	6.76	29.45	357	235	P	V
		11550	47.66	-26.34	74	52.49	39.78	11.31	56.43	100	0	P	V
		17325	48.43	-19.77	68.2	49.95	40.76	13.5	56.41	100	0	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.											



Emission below 1GHz

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT80 LF		205.23	31.95	-11.55	43.5	47.52	15.14	1.48	32.26	-	-	P	H
		241.41	41.29	-4.71	46	54.29	17.54	1.59	32.21	100	0	P	H
		299.73	37.85	-8.15	46	48.9	19.3	1.72	32.13	-	-	P	H
		320.3	38.03	-7.97	46	48.84	19.49	1.76	32.13	-	-	P	H
		597.5	37.63	-8.37	46	41.73	25.59	2.42	32.21	-	-	P	H
		974.8	38.8	-15.2	54	35.61	30.79	3.08	30.83	-	-	P	H
		30.54	33.31	-6.69	40	41.12	23.96	0.59	32.34	-	-	P	V
		46.2	30.43	-9.57	40	45.91	16.07	0.74	32.32	-	-	P	V
		241.41	38.6	-7.4	46	51.6	17.54	1.59	32.21	-	-	P	V
		321	40.19	-5.81	46	50.97	19.52	1.76	32.13	100	0	P	V
		373.5	38.1	-7.9	46	47.22	21.04	1.89	32.14	-	-	P	V
		597.5	36.06	-9.94	46	40.16	25.59	2.42	32.21	-	-	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	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5624.8	58.04	-10.16	68.2	47.31	32.52	7.7	29.49	100	134	P	H
		5664.8	66.52	-12.67	79.19	55.73	32.56	7.75	29.52	100	134	P	H
		5717.4	61.98	-48.09	110.07	51.12	32.61	7.79	29.54	100	134	P	H
		5721.4	63.26	-50.73	113.99	52.37	32.62	7.81	29.54	100	134	P	H
	*	5745	115.77	-	-	104.86	32.64	7.83	29.56	100	134	P	H
	*	5745	108.89	-	-	97.98	32.64	7.83	29.56	100	134	A	H
		5854.6	51.56	-60.15	111.71	40.52	32.76	7.88	29.6	100	134	P	H
		5868.6	54.41	-52.58	106.99	43.39	32.76	7.88	29.62	100	134	P	H
		5904.6	59.94	-23.32	83.26	48.87	32.81	7.89	29.63	100	134	P	H
		5945.4	52.73	-15.47	68.2	41.65	32.85	7.89	29.66	100	134	P	H
		5617.4	56.29	-11.91	68.2	45.56	32.52	7.7	29.49	100	266	P	V
		5662.4	64.27	-13.14	77.41	53.5	32.56	7.73	29.52	100	266	P	V
		5719.6	60.54	-50.15	110.69	49.65	32.62	7.81	29.54	100	266	P	V
		5723.4	68.19	-50.36	118.55	57.3	32.62	7.81	29.54	100	266	P	V
	*	5745	114.51	-	-	103.6	32.64	7.83	29.56	100	266	P	V
	*	5745	107.28	-	-	96.37	32.64	7.83	29.56	100	266	A	V
		5854.6	52.82	-58.89	111.71	41.78	32.76	7.88	29.6	100	266	P	V
		5862.6	53.9	-54.77	108.67	42.88	32.76	7.88	29.62	100	266	P	V
		5906.6	58.74	-23.04	81.78	47.67	32.81	7.89	29.63	100	266	P	V
		5944.4	53.04	-15.16	68.2	41.96	32.85	7.89	29.66	100	266	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5628.4	62.77	-5.43	68.2	52.04	32.52	7.72	29.51	100	128	P	H
		5698.6	67.88	-36.29	104.17	57.05	32.59	7.77	29.53	100	128	P	H
		5703.8	68.23	-38.04	106.27	57.36	32.61	7.79	29.53	100	128	P	H
		5721.8	54.99	-59.91	114.9	44.1	32.62	7.81	29.54	100	128	P	H
	*	5785	115.94	-	-	104.98	32.68	7.86	29.58	100	128	P	H
	*	5785	108.74	-	-	97.78	32.68	7.86	29.58	100	128	A	H
		5851.2	53.99	-65.47	119.46	42.97	32.74	7.88	29.6	100	128	P	H
		5863.2	64.5	-44	108.5	53.48	32.76	7.88	29.62	100	128	P	H
		5903.6	54.81	-29.19	84	43.75	32.8	7.89	29.63	100	128	P	H
		5943.4	59.52	-8.68	68.2	48.44	32.85	7.89	29.66	100	128	P	H
		5632.6	60.17	-8.03	68.2	49.42	32.54	7.72	29.51	100	265	P	V
		5697.4	64.93	-38.35	103.28	54.1	32.59	7.77	29.53	100	265	P	V
		5712.4	65.93	-42.74	108.67	55.07	32.61	7.79	29.54	100	265	P	V
		5724.6	54.06	-67.23	121.29	43.17	32.62	7.81	29.54	100	265	P	V
	*	5785	114.51	-	-	103.55	32.68	7.86	29.58	100	265	P	V
	*	5785	107.05	-	-	96.09	32.68	7.86	29.58	100	265	A	V
		5851.8	50.39	-67.71	118.1	39.37	32.74	7.88	29.6	100	265	P	V
		5867.6	63.19	-44.08	107.27	52.17	32.76	7.88	29.62	100	265	P	V
		5897.8	52.84	-35.45	88.29	41.78	32.8	7.89	29.63	100	265	P	V
		5937.4	56.4	-11.8	68.2	45.34	32.83	7.89	29.66	100	265	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		5627.6	54.64	-13.56	68.2	43.91	32.52	7.7	29.49	100	155	P	H
		5668.2	61.15	-20.56	81.71	50.35	32.57	7.75	29.52	100	155	P	H
		5707.6	57.29	-50.04	107.33	46.43	32.61	7.79	29.54	100	155	P	H
		5721.6	53.62	-60.83	114.45	42.73	32.62	7.81	29.54	100	155	P	H
	*	5825	115.78	-	-	104.76	32.73	7.88	29.59	100	98	P	H
	*	5825	108.95	-	-	97.93	32.73	7.88	29.59	100	98	A	H
		5850	58.99	-63.21	122.2	47.97	32.74	7.88	29.6	100	155	P	H
		5858.6	57.06	-52.73	109.79	46.04	32.76	7.88	29.62	100	155	P	H
		5903.2	64.99	-19.3	84.29	53.93	32.8	7.89	29.63	100	155	P	H
		5947.6	56.88	-11.32	68.2	45.8	32.85	7.89	29.66	100	155	P	H
		5627.8	53.69	-14.51	68.2	42.94	32.52	7.72	29.49	100	267	P	V
		5667.4	60.36	-20.75	81.11	49.56	32.57	7.75	29.52	100	267	P	V
		5702.2	56.01	-49.81	105.82	45.14	32.61	7.79	29.53	100	267	P	V
		5722.6	52.49	-64.24	116.73	41.6	32.62	7.81	29.54	100	267	P	V
	*	5825	114.54	-	-	103.52	32.73	7.88	29.59	100	267	P	V
	*	5825	107.2	-	-	96.18	32.73	7.88	29.59	100	267	A	V
		5852.6	57.49	-58.78	116.27	46.47	32.74	7.88	29.6	100	267	P	V
		5858	53.09	-56.87	109.96	42.07	32.76	7.88	29.62	100	267	P	V
		5907	62.69	-18.79	81.48	51.62	32.81	7.89	29.63	100	267	P	V
		5949.2	53.5	-14.7	68.2	42.42	32.85	7.89	29.66	100	267	P	V



Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz	-	1498	63.97	-	-	66.09	24.7	3.81	30.63	396	305	P	H
	-	4489	61.32	-	-	52.96	31.05	6.76	29.45	345	109	P	H
		5266	64.35	-3.85	68.2	54.22	32.12	7.41	29.4	100	129	P	H
		5505	65.91	-2.29	68.2	55.36	32.4	7.59	29.44	100	127	P	H
		5585	65.46	-2.74	68.2	54.79	32.49	7.66	29.48	100	131	P	H
		5985	63.32	-4.88	68.2	52.22	32.88	7.89	29.67	100	153	P	H
		11490	46.62	-27.38	74	51.31	39.91	11.3	56.41	100	0	P	H
		17235	48.74	-19.46	68.2	50.37	40.56	13.44	56.27	100	0	P	H
	-	1498	61.86	-	-	63.98	24.7	3.81	30.63	351	78	P	V
	-	4489	61.8	-	-	53.44	31.05	6.76	29.45	344	232	P	V
		5505	63.76	-4.44	68.2	53.21	32.4	7.59	29.44	100	263	P	V
		5585	64.53	-3.67	68.2	53.86	32.49	7.66	29.48	100	245	P	V
		5985	62.43	-5.77	68.2	51.33	32.88	7.89	29.67	100	251	P	V
		11490	47.77	-26.23	74	52.46	39.91	11.3	56.41	100	0	P	V
		17235	49.3	-18.9	68.2	50.93	40.56	13.44	56.27	100	0	P	V
802.11a CH 157 5785MHz	-	1498	63.39	-	-	65.51	24.7	3.81	30.63	396	305	P	H
	-	4489	60.11	-	-	51.75	31.05	6.76	29.45	348	108	P	H
		5304	62.75	-5.45	68.2	52.56	32.16	7.43	29.4	100	127	P	H
		5544	66.38	-1.82	68.2	55.77	32.43	7.63	29.45	100	112	P	H
		6025	64.23	-3.97	68.2	53.05	32.99	7.88	29.69	100	143	P	H
		11570	46.18	-27.82	74	51.07	39.73	11.31	56.44	100	0	P	H
		17355	48.74	-19.46	68.2	50.21	40.84	13.52	56.46	100	0	P	H
	-	1498	61.7	-	-	63.82	24.7	3.81	30.63	351	78	P	V
	-	4489	61.03	-	-	52.67	31.05	6.76	29.45	339	239	P	V
		5304	60.49	-7.71	68.2	50.3	32.16	7.43	29.4	100	267	P	V
		5544	64.47	-3.73	68.2	53.86	32.43	7.63	29.45	100	266	P	V
		6025	62.39	-5.81	68.2	51.21	32.99	7.88	29.69	100	271	P	V
		11570	48.51	-25.49	74	53.4	39.73	11.31	56.44	100	0	P	V
		17355	49.47	-18.73	68.2	50.94	40.84	13.52	56.46	100	0	P	V



802.11a CH 165 5825MHz	-	1498	64.11	-	-	66.23	24.7	3.81	30.63	396	305	P	H
	-	4489	59.14	-	-	50.78	31.05	6.76	29.45	353	100	P	H
		5339	63.17	-5.03	68.2	52.93	32.2	7.45	29.41	100	130	P	H
		5584	66.12	-2.08	68.2	55.45	32.49	7.66	29.48	100	128	P	H
		5985	64.8	-3.4	68.2	53.7	32.88	7.89	29.67	100	153	P	H
		6065	64.16	-4.04	68.2	52.92	33.09	7.87	29.72	100	142	P	H
		11650	46.22	-27.78	74	51.28	39.57	11.34	56.48	100	0	P	H
		17475	49.34	-18.86	68.2	50.66	41.12	13.59	56.65	100	0	P	H
	-	1498	63.01	-	-	65.13	24.7	3.81	30.63	351	78	P	V
	-	4489	60.65	-	-	52.29	31.05	6.76	29.45	311	240	P	V
		5339	61.24	-6.96	68.2	51	32.2	7.45	29.41	101	259	P	V
		5986	64.48	-3.72	68.2	53.39	32.88	7.89	29.68	103	269	P	V
		6070	60.9	-7.3	68.2	49.66	33.09	7.87	29.72	100	267	P	V
		11650	46.52	-27.48	74	51.58	39.57	11.34	56.48	100	0	P	V
		17475	49.81	-18.39	68.2	51.13	41.12	13.59	56.65	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		5629	57.73	-10.47	68.2	47	32.52	7.72	29.51	101	121	P	H
		5667.6	66.7	-14.56	81.26	55.9	32.57	7.75	29.52	101	121	P	H
		5719	59.78	-50.74	110.52	48.89	32.62	7.81	29.54	101	121	P	H
		5724.2	67.48	-52.9	120.38	56.59	32.62	7.81	29.54	101	121	P	H
	*	5745	115.4	-	-	104.49	32.64	7.83	29.56	101	121	P	H
	*	5745	108.49	-	-	97.58	32.64	7.83	29.56	101	121	A	H
		5853.2	51.43	-63.47	114.9	40.41	32.74	7.88	29.6	101	121	P	H
		5861	53.54	-55.58	109.12	42.52	32.76	7.88	29.62	101	121	P	H
		5906.2	59.41	-22.67	82.08	48.34	32.81	7.89	29.63	101	121	P	H
		5926.8	52.14	-16.06	68.2	41.06	32.83	7.89	29.64	101	121	P	H
		5622	54.78	-13.42	68.2	44.05	32.52	7.7	29.49	107	266	P	V
		5663.2	64.29	-13.71	78	53.52	32.56	7.73	29.52	107	266	P	V
		5719.8	62.23	-48.51	110.74	51.34	32.62	7.81	29.54	107	266	P	V
		5723.2	69.77	-48.33	118.1	58.88	32.62	7.81	29.54	107	266	P	V
	*	5745	114.68	-	-	103.77	32.64	7.83	29.56	107	266	P	V
	*	5745	107.2	-	-	96.29	32.64	7.83	29.56	107	266	A	V
		5852.4	51.71	-65.02	116.73	40.69	32.74	7.88	29.6	107	266	P	V
		5861	53.63	-55.49	109.12	42.61	32.76	7.88	29.62	107	266	P	V
		5898.2	56.94	-31.05	87.99	45.88	32.8	7.89	29.63	107	266	P	V
		5936.8	51.93	-16.27	68.2	40.87	32.83	7.89	29.66	107	266	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 157 5785MHz		5621.8	60.1	-8.1	68.2	49.37	32.52	7.7	29.49	101	94	P	H
		5699.4	65.26	-39.5	104.76	54.43	32.59	7.77	29.53	101	94	P	H
		5706.6	66.35	-40.7	107.05	55.49	32.61	7.79	29.54	101	94	P	H
		5721.4	53.78	-60.21	113.99	42.89	32.62	7.81	29.54	101	94	P	H
	*	5785	115.45	-	-	104.49	32.68	7.86	29.58	101	94	P	H
	*	5785	107.92	-	-	96.96	32.68	7.86	29.58	101	94	A	H
		5853.6	53	-60.99	113.99	41.96	32.76	7.88	29.6	101	94	P	H
		5866.4	62.88	-44.73	107.61	51.86	32.76	7.88	29.62	101	94	P	H
		5911.6	54.55	-23.54	78.09	43.49	32.81	7.89	29.64	101	94	P	H
		5946.4	57.31	-10.89	68.2	46.23	32.85	7.89	29.66	101	94	P	H
		5624	57.84	-10.36	68.2	47.11	32.52	7.7	29.49	100	266	P	V
		5698.4	61.94	-42.08	104.02	51.11	32.59	7.77	29.53	100	266	P	V
		5708.6	64.24	-43.37	107.61	53.38	32.61	7.79	29.54	100	266	P	V
		5721.4	52.19	-61.8	113.99	41.3	32.62	7.81	29.54	100	266	P	V
	*	5785	114.85	-	-	103.89	32.68	7.86	29.58	100	266	P	V
	*	5785	106.95	-	-	95.99	32.68	7.86	29.58	100	266	A	V
		5850	53.67	-68.53	122.2	42.65	32.74	7.88	29.6	100	266	P	V
		5861.4	61.39	-47.62	109.01	50.37	32.76	7.88	29.62	100	266	P	V
		5898.2	54.02	-33.97	87.99	42.96	32.8	7.89	29.63	100	266	P	V
		5943.4	57.32	-10.88	68.2	46.24	32.85	7.89	29.66	100	266	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 165 5825MHz		5624.6	53.64	-14.56	68.2	42.91	32.52	7.7	29.49	101	97	P	H
		5664	61.2	-17.39	78.59	50.41	32.56	7.75	29.52	101	97	P	H
		5701	57.54	-47.94	105.48	46.67	32.61	7.79	29.53	101	97	P	H
		5722	52.64	-62.72	115.36	41.75	32.62	7.81	29.54	101	97	P	H
	*	5825	115.58	-	-	104.56	32.73	7.88	29.59	101	97	P	H
	*	5825	107.81	-	-	96.79	32.73	7.88	29.59	101	97	A	H
		5852.2	61.73	-55.45	117.18	50.71	32.74	7.88	29.6	101	97	P	H
		5856	55.95	-54.57	110.52	44.91	32.76	7.88	29.6	101	97	P	H
		5903.6	63.76	-20.24	84	52.7	32.8	7.89	29.63	101	97	P	H
		5946.6	53.84	-14.36	68.2	42.76	32.85	7.89	29.66	101	97	P	H
		5629.4	53.3	-14.9	68.2	42.57	32.52	7.72	29.51	100	267	P	V
		5666.6	59.76	-20.76	80.52	48.96	32.57	7.75	29.52	100	267	P	V
		5706.6	55.31	-51.74	107.05	44.45	32.61	7.79	29.54	100	267	P	V
		5722.8	52.73	-64.45	117.18	41.84	32.62	7.81	29.54	100	267	P	V
	*	5825	114.29	-	-	103.27	32.73	7.88	29.59	100	267	P	V
	*	5825	106.6	-	-	95.58	32.73	7.88	29.59	100	267	A	V
		5854.6	55.38	-56.33	111.71	44.34	32.76	7.88	29.6	100	267	P	V
		5858	53.95	-56.01	109.96	42.93	32.76	7.88	29.62	100	267	P	V
		5906.8	63.42	-18.21	81.63	52.35	32.81	7.89	29.63	100	267	P	V
		5943.6	52.4	-15.8	68.2	41.32	32.85	7.89	29.66	100	267	P	V



Band 4 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz	-	1498	63.97	-	-	66.09	24.7	3.81	30.63	396	305	P	H
	-	4492	59.56	-	-	51.2	31.05	6.76	29.45	363	113	P	H
		5268	62.44	-5.76	68.2	52.31	32.12	7.41	29.4	101	129	P	H
		5506	65.36	-2.84	68.2	54.81	32.4	7.59	29.44	105	126	P	H
		5584	64.61	-3.59	68.2	53.94	32.49	7.66	29.48	106	110	P	H
		5986	63.59	-4.61	68.2	52.5	32.88	7.89	29.68	103	137	P	H
		11490	47.21	-26.79	74	51.9	39.91	11.3	56.41	100	0	P	H
		17235	48.44	-19.76	68.2	50.07	40.56	13.44	56.27	100	0	P	H
	-	1498	62.4	-	-	64.52	24.7	3.81	30.63	351	78	P	V
		5268	56.21	-11.99	68.2	46.08	32.12	7.41	29.4	101	256	P	V
		5506	60.6	-7.6	68.2	50.05	32.4	7.59	29.44	103	262	P	V
		5584	60.29	-7.91	68.2	49.62	32.49	7.66	29.48	107	268	P	V
		5986	59.85	-8.35	68.2	48.76	32.88	7.89	29.68	101	271	P	V
		11490	48.5	-25.5	74	53.19	39.91	11.3	56.41	100	0	P	V
		17235	48.88	-19.32	68.2	50.51	40.56	13.44	56.27	100	0	P	V
802.11n HT20 CH 157 5785MHz	-	1498	63.69	-	-	65.81	24.7	3.81	30.63	396	305	P	H
	-	4496	56.32	-	-	47.92	31.1	6.75	29.45	394	105	P	H
		5308	61	-7.2	68.2	50.8	32.16	7.44	29.4	100	129	P	H
		5546	64.51	-3.69	68.2	53.9	32.43	7.63	29.45	104	128	P	H
		6024	61.87	-6.33	68.2	50.69	32.99	7.88	29.69	101	139	P	H
		11570	45.91	-28.09	74	50.8	39.73	11.31	56.44	100	0	P	H
		17355	48.79	-19.41	68.2	50.26	40.84	13.52	56.46	100	0	P	H
	-	1498	62.56	-	-	64.68	24.7	3.81	30.63	351	78	P	V
		5308	56.81	-11.39	68.2	46.61	32.16	7.44	29.4	102	253	P	V
		5548	61.07	-7.13	68.2	50.44	32.45	7.63	29.45	101	269	P	V
		6022	61.08	-7.12	68.2	49.93	32.95	7.89	29.69	101	275	P	V
		11570	47.58	-26.42	74	52.47	39.73	11.31	56.44	100	0	P	V
		17355	49.18	-19.02	68.2	50.65	40.84	13.52	56.46	100	0	P	V



802.11n HT20 CH 165 5825MHz	-	1498	63.92	-	-	66.04	24.7	3.81	30.63	396	305	P	H
	-	4486	56.68	-	-	48.32	31.05	6.76	29.45	383	107	P	H
		5338	61.29	-6.91	68.2	51.05	32.2	7.45	29.41	100	130	P	H
		5585	64.31	-3.89	68.2	53.64	32.49	7.66	29.48	114	132	P	H
		5986	62.63	-5.57	68.2	51.54	32.88	7.89	29.68	100	137	P	H
		6064	61.76	-6.44	68.2	50.52	33.09	7.87	29.72	102	136	P	H
		11650	46.66	-27.34	74	51.72	39.57	11.34	56.48	100	0	P	H
		17475	49.03	-19.17	68.2	50.35	41.12	13.59	56.65	100	0	P	H
	-	1498	62.98	-	-	65.1	24.7	3.81	30.63	286	110	P	V
	-	4486	58.75	-	-	50.39	31.05	6.76	29.45	328	214	P	V
		5338	57.41	-10.79	68.2	47.17	32.2	7.45	29.41	110	252	P	V
		5584	61.97	-6.23	68.2	51.3	32.49	7.66	29.48	106	267	P	V
		5986	62.58	-5.62	68.2	51.49	32.88	7.89	29.68	102	269	P	V
		6064	61.85	-6.35	68.2	50.61	33.09	7.87	29.72	101	275	P	V
		11650	48.96	-25.04	74	54.02	39.57	11.34	56.48	100	0	P	V
		17475	49.71	-18.49	68.2	51.03	41.12	13.59	56.65	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		5606	58.21	-9.99	68.2	47.52	32.5	7.68	29.49	100	121	P	H
		5677	63.29	-24.93	88.22	52.49	32.57	7.75	29.52	100	121	P	H
		5712.8	68.09	-40.7	108.79	57.23	32.61	7.79	29.54	100	121	P	H
		5720.8	67.54	-45.08	112.62	56.65	32.62	7.81	29.54	100	121	P	H
	*	5755	112.36	-	-	101.42	32.66	7.84	29.56	100	121	P	H
	*	5755	105.46	-	-	94.52	32.66	7.84	29.56	100	121	A	H
		5851.4	56.85	-62.16	119.01	45.83	32.74	7.88	29.6	100	121	P	H
		5866	52.55	-55.17	107.72	41.53	32.76	7.88	29.62	100	121	P	H
		5921.2	56.93	-14.07	71	45.87	32.81	7.89	29.64	100	121	P	H
		5928.2	55.2	-13	68.2	44.12	32.83	7.89	29.64	100	121	P	H
		5600.4	56.82	-11.38	68.2	46.12	32.5	7.68	29.48	100	267	P	V
		5688.6	60.96	-35.83	96.79	50.13	32.59	7.77	29.53	100	267	P	V
		5712.2	65.85	-42.77	108.62	54.99	32.61	7.79	29.54	100	267	P	V
		5721.6	73.88	-40.57	114.45	62.99	32.62	7.81	29.54	100	267	P	V
	*	5755	111.36	-	-	100.42	32.66	7.84	29.56	100	267	P	V
	*	5755	104.53	-	-	93.59	32.66	7.84	29.56	100	267	A	V
		5851.2	56.69	-62.77	119.46	45.67	32.74	7.88	29.6	100	267	P	V
		5866.6	52.91	-54.64	107.55	41.89	32.76	7.88	29.62	100	267	P	V
		5901.2	56.95	-28.82	85.77	45.89	32.8	7.89	29.63	100	267	P	V
		5928.6	55.34	-12.86	68.2	44.26	32.83	7.89	29.64	100	267	P	V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 159 5795MHz		5623.8	59.47	-8.73	68.2	48.74	32.52	7.7	29.49	100	127	P	H
		5698.8	60.81	-43.51	104.32	49.98	32.59	7.77	29.53	100	127	P	H
		5711.2	62.83	-45.51	108.34	51.97	32.61	7.79	29.54	100	127	P	H
		5723.2	62.84	-55.26	118.1	51.95	32.62	7.81	29.54	100	127	P	H
	*	5795	110.48	-	-	99.49	32.69	7.88	29.58	100	127	P	H
	*	5795	104.45	-	-	93.46	32.69	7.88	29.58	100	127	A	H
		5852.2	57.4	-59.78	117.18	46.38	32.74	7.88	29.6	100	127	P	H
		5871.2	60.11	-46.15	106.26	49.07	32.78	7.88	29.62	100	127	P	H
		5881.8	59.33	-40.82	100.15	48.29	32.78	7.88	29.62	100	127	P	H
		5938.8	56.42	-11.78	68.2	45.34	32.85	7.89	29.66	100	127	P	H
		5631	57.59	-10.61	68.2	46.86	32.52	7.72	29.51	100	270	P	V
		5698.8	59.56	-44.76	104.32	48.73	32.59	7.77	29.53	100	270	P	V
		5711	60.56	-47.72	108.28	49.7	32.61	7.79	29.54	100	270	P	V
		5723.4	60.06	-58.49	118.55	49.17	32.62	7.81	29.54	100	270	P	V
	*	5795	108.98	-	-	97.99	32.69	7.88	29.58	100	270	P	V
	*	5795	102.81	-	-	91.82	32.69	7.88	29.58	100	270	A	V
		5853.4	51.35	-63.1	114.45	40.33	32.74	7.88	29.6	100	270	P	V
		5866.6	56.5	-51.05	107.55	45.48	32.76	7.88	29.62	100	270	P	V
		5876.2	55.62	-48.69	104.31	44.58	32.78	7.88	29.62	100	270	P	V
		5941.6	54.12	-14.08	68.2	43.04	32.85	7.89	29.66	100	270	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz	-	1498	63.67	-	-	65.79	24.7	3.81	30.63	396	1498	P	H
	-	4486	56.84	-	-	48.48	31.05	6.76	29.45	398	4486	P	H
		5278	55.91	-12.29	68.2	45.75	32.14	7.42	29.4	104	5278	P	H
		5986	56.64	-11.56	68.2	45.55	32.88	7.89	29.68	100	5986	P	H
		11510	47.93	-26.07	74	52.62	39.9	11.3	56.4	100	11510	P	H
		17265	48.53	-19.67	68.2	50.12	40.64	13.46	56.33	100	17265	P	H
	-	1498	62.93	-	-	65.05	24.7	3.81	30.63	351	1498	P	V
	-	4492	57.21	-	-	48.85	31.05	6.76	29.45	317	4492	P	V
		5278	54.04	-14.16	68.2	43.88	32.14	7.42	29.4	100	5278	P	V
		5914	60.31	-7.89	68.2	49.25	32.81	7.89	29.64	105	5914	P	V
		11510	47.79	-26.21	74	52.48	39.9	11.3	56.4	100	11510	P	V
		17265	49.25	-18.95	68.2	50.84	40.64	13.46	56.33	100	17265	P	V
802.11n HT40 CH 159 5795MHz	-	1498	61.93	-	-	64.05	24.7	3.81	30.63	396	305	P	H
	-	4492	56.35	-	-	47.99	31.05	6.76	29.45	397	121	P	H
		5555	59.37	-8.83	68.2	48.76	32.45	7.63	29.47	100	116	P	H
		6035	58.24	-9.96	68.2	47.06	32.99	7.88	29.69	100	145	P	H
		11590	46.45	-27.55	74	51.38	39.69	11.32	56.45	100	0	P	H
		17385	48.89	-19.31	68.2	50.31	40.92	13.54	56.51	100	0	P	H
	-	1498	59.97	-	-	62.09	24.7	3.81	30.63	351	78	P	V
	-	4492	57.96	-	-	49.6	31.05	6.76	29.45	317	245	P	V
		5555	57.7	-10.5	68.2	47.09	32.45	7.63	29.47	100	274	P	V
		6035	57.07	-11.13	68.2	45.89	32.99	7.88	29.69	100	272	P	V
		11590	46.79	-27.21	74	51.72	39.69	11.32	56.45	100	0	P	V
		17385	49.37	-18.83	68.2	50.79	40.92	13.54	56.51	100	0	P	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		5650	64.04	-4.16	68.2	53.26	32.56	7.73	29.51	100	126	P	H
		5687.8	69.68	-26.52	96.2	58.85	32.59	7.77	29.53	100	126	P	H
		5711	77.15	-31.13	108.28	66.29	32.61	7.79	29.54	100	126	P	H
		5723.4	79.8	-38.75	118.55	68.91	32.62	7.81	29.54	100	126	P	H
	*	5775	109.96	-	-	98.99	32.68	7.86	29.57	100	126	P	H
	*	5775	103.5	-	-	92.53	32.68	7.86	29.57	100	126	A	H
		5853.6	65.38	-48.61	113.99	54.34	32.76	7.88	29.6	100	126	P	H
		5855.8	64.4	-46.18	110.58	53.36	32.76	7.88	29.6	100	126	P	H
		5881.4	60.46	-39.99	100.45	49.42	32.78	7.88	29.62	100	126	P	H
		5928.6	57.52	-10.68	68.2	46.44	32.83	7.89	29.64	100	126	P	H
		5649	60.67	-7.53	68.2	49.91	32.54	7.73	29.51	100	268	P	V
		5698.2	66.94	-36.93	103.87	56.11	32.59	7.77	29.53	100	268	P	V
		5719.2	72.19	-38.39	110.58	61.3	32.62	7.81	29.54	100	268	P	V
		5721.6	74.05	-40.4	114.45	63.16	32.62	7.81	29.54	100	268	P	V
	*	5775	107.5	-	-	96.53	32.68	7.86	29.57	100	268	P	V
	*	5775	101.37	-	-	90.4	32.68	7.86	29.57	100	268	A	V
		5853.6	63.54	-50.45	113.99	52.5	32.76	7.88	29.6	100	268	P	V
		5863.2	63.31	-45.19	108.5	52.29	32.76	7.88	29.62	100	268	P	V
		5900.6	57.99	-28.23	86.22	46.93	32.8	7.89	29.63	100	268	P	V
		5937.4	56.32	-11.88	68.2	45.26	32.83	7.89	29.66	100	268	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz	-	1498	62.58	-	-	64.7	24.7	3.81	30.63	396	305	P	H
	-	4486	55.07	-	-	46.71	31.05	6.76	29.45	364	114	P	H
		11550	46.84	-27.16	74	51.67	39.78	11.31	56.43	100	0	P	H
		17325	48.57	-19.63	68.2	50.09	40.76	13.5	56.41	100	0	P	H
	-	1498	60.27	-	-	62.39	24.7	3.81	30.63	351	78	P	V
	-	4489	57.53	-	-	49.17	31.05	6.76	29.45	344	240	P	V
		11550	47.5	-26.5	74	52.33	39.78	11.31	56.43	100	0	P	V
		17325	48.81	-19.39	68.2	50.33	40.76	13.5	56.41	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. Note “-” is unintentional radiator, the single complies with ANSI C63.4 requirement can be ignored.												



Emission below 1GHz

5GHz WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		205.5	31.95	-11.55	43.5	47.52	15.14	1.48	32.26	-	-	P	H
		241.68	42.91	-3.09	46	55.91	17.54	1.59	32.21	100	0	P	H
		299.73	34.93	-11.07	46	45.98	19.3	1.72	32.13	-	-	P	H
		316.8	38.26	-7.74	46	49.1	19.46	1.76	32.13	-	-	P	H
		899.9	39.22	-6.78	46	38.65	29.03	2.94	31.51	-	-	P	H
		974.8	44.44	-9.56	54	41.25	30.79	3.08	30.83	-	-	P	H
		30.54	36.76	-3.24	40	44.57	23.96	0.59	32.34	100	0	P	V
		241.14	40.1	-5.9	46	53.1	17.54	1.59	32.21	-	-	P	V
		299.73	37.9	-8.1	46	48.95	19.3	1.72	32.13	-	-	P	V
		318.9	40.27	-5.73	46	51.09	19.48	1.76	32.13	-	-	P	V
		373.5	35.86	-10.14	46	44.98	21.04	1.89	32.14	-	-	P	V
		895.7	36.27	-9.73	46	35.73	29.02	2.94	31.53	-	-	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.
-	The signal is Unintentional Radiators .
P/A	Peak or Average
H/V	Horizontal or Vertical



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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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



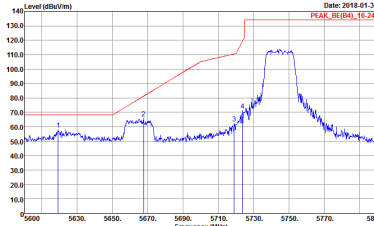
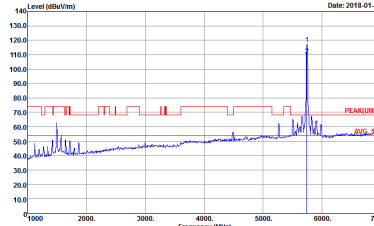
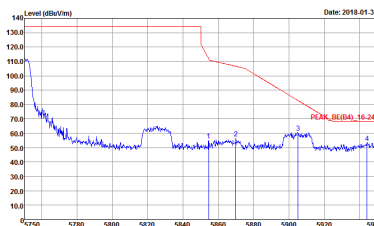
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Alex Jheng, Bill Chang, and Wilson Wu	Temperature :	24.7~25.2°C
		Relative Humidity :	49~53%

Note symbol

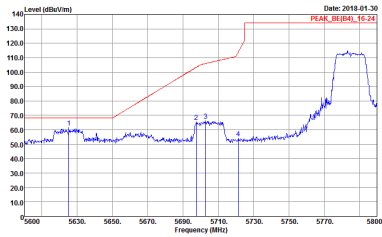
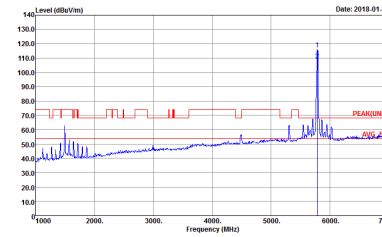
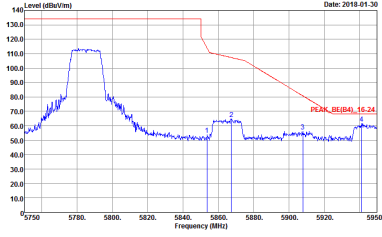
-L	Low channel location
-R	High channel location

Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

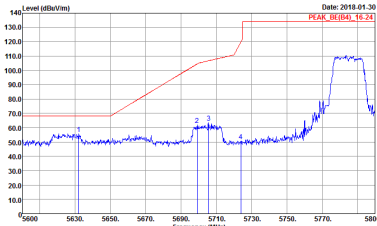
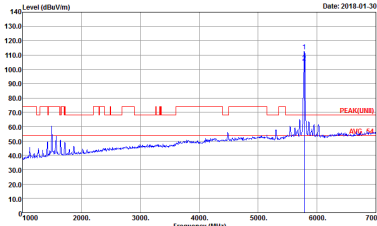
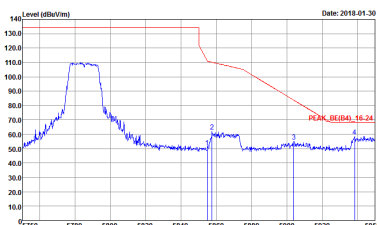
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz - L	
1	Horizontal	Fundamental
Peak	 Site Condition : 03CH13-4HY : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site Condition : 03CH13-4HY : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site Condition : 03CH13-4HY : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

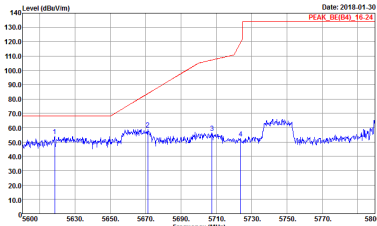
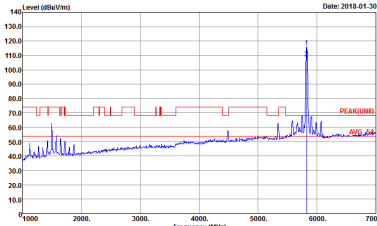
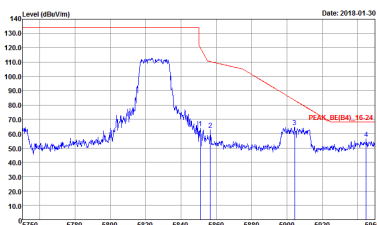


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz - R	
1	Vertical	Fundamental
Peak	Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

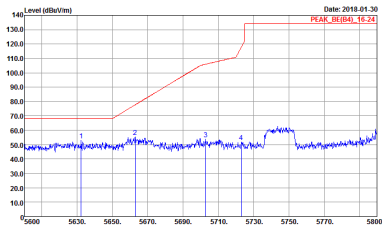
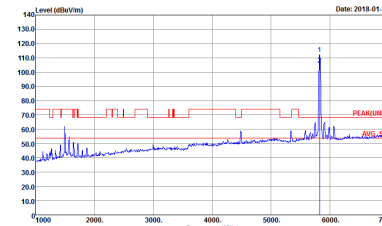
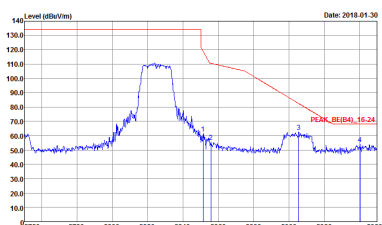
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_UN(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



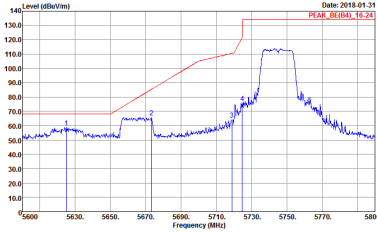
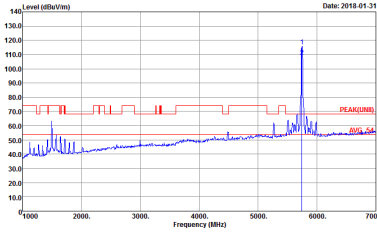
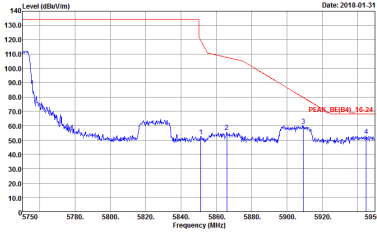
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

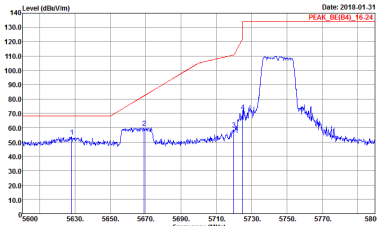
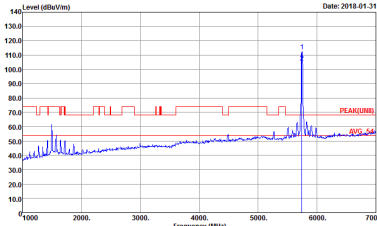
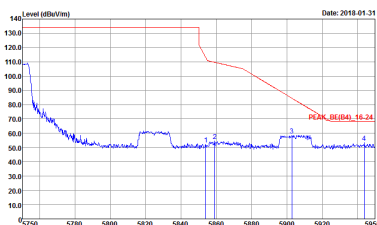


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

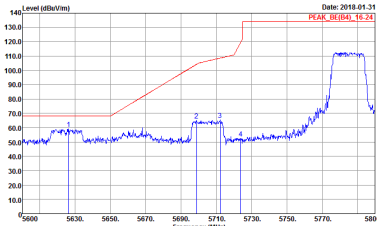
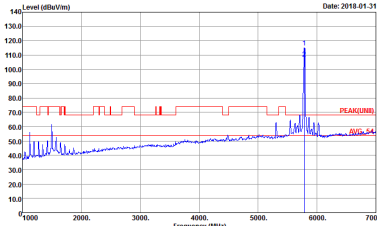
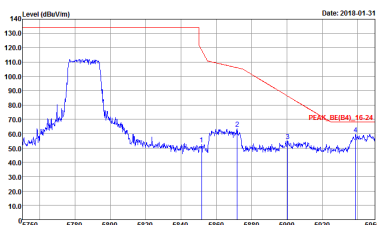
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

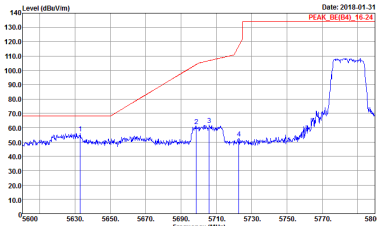
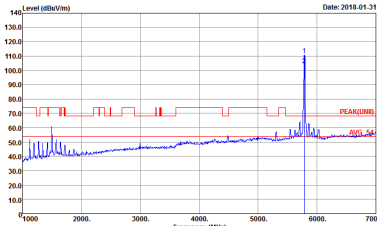
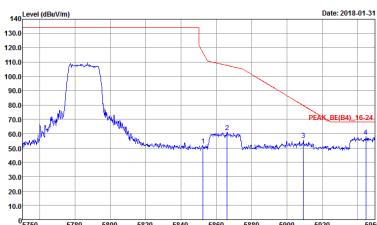


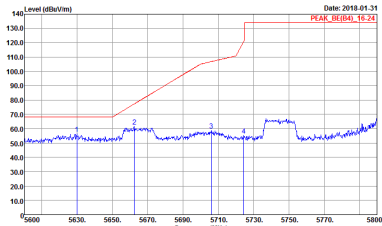
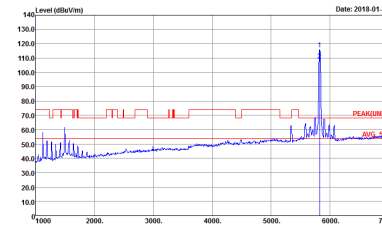
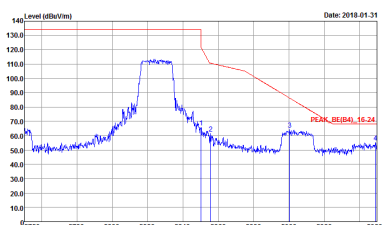
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

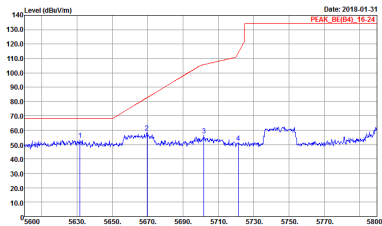
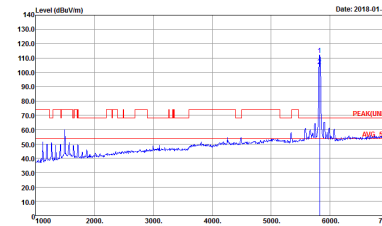
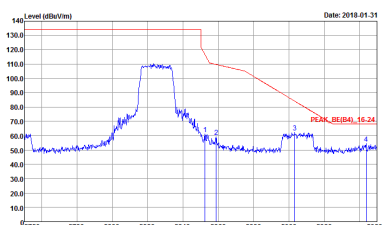


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

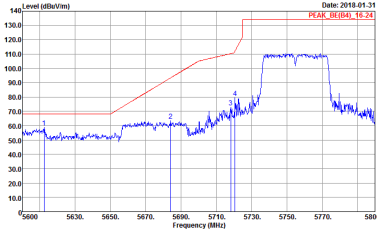
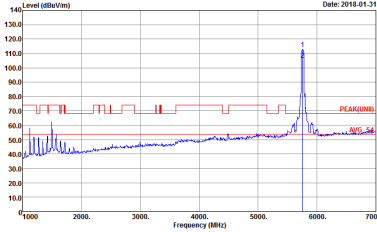
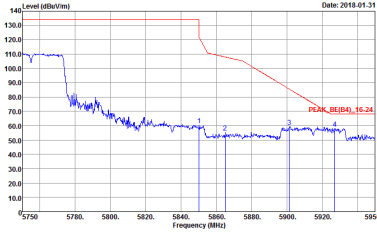


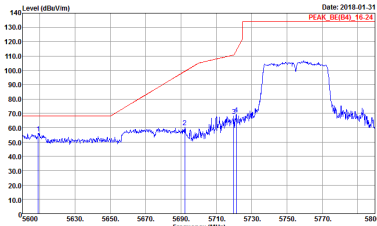
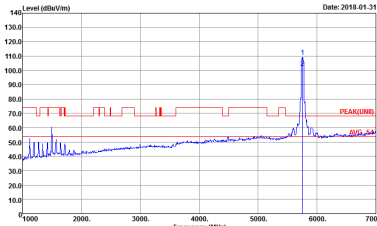
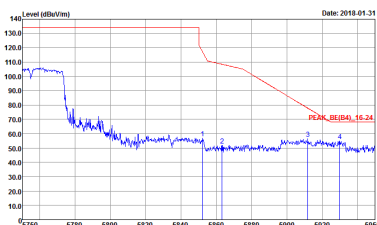
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

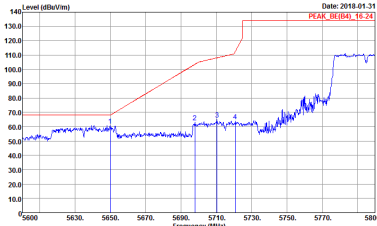
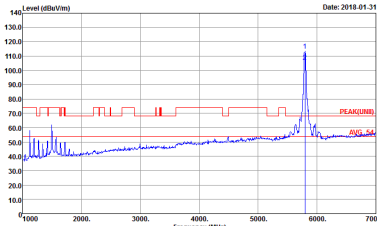
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

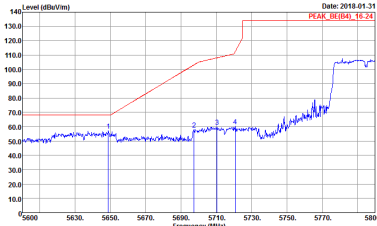
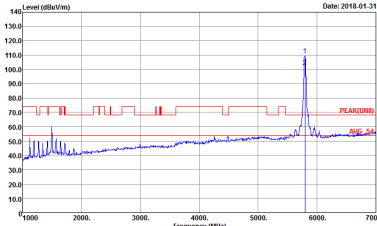
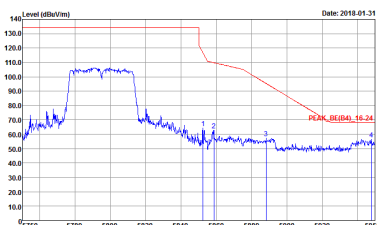
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

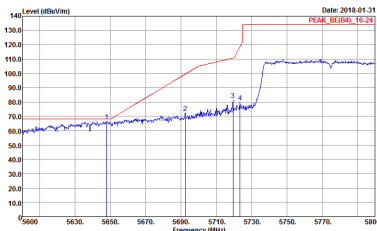
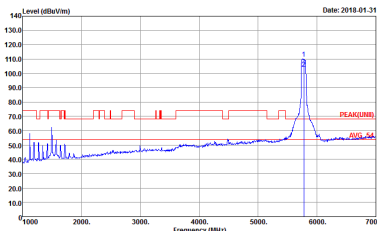
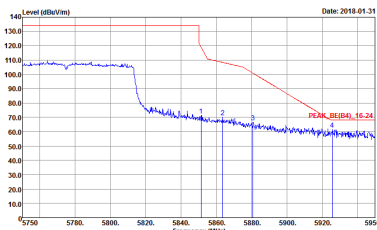
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

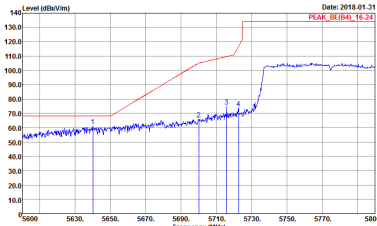
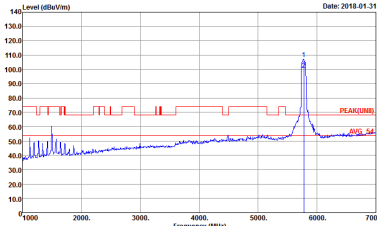
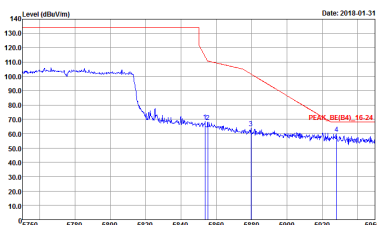


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(04)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(04)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

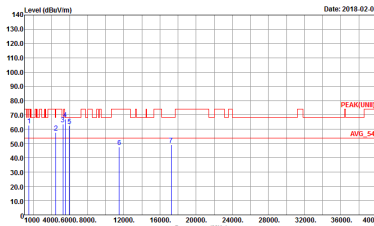
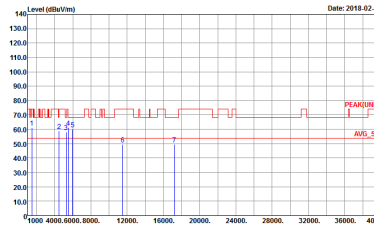


Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

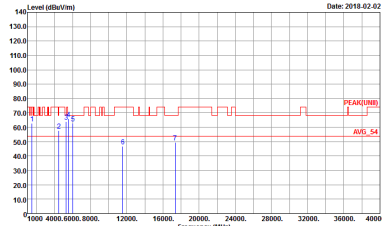
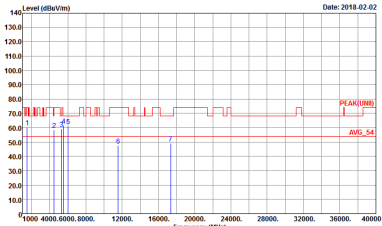
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_LIN(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

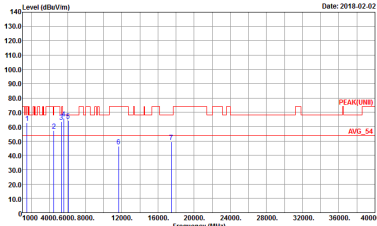
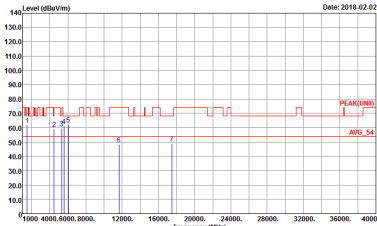
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak

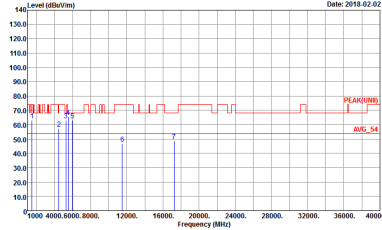
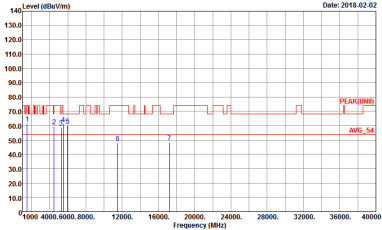


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak

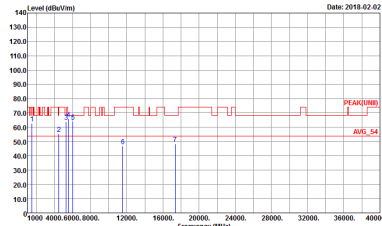
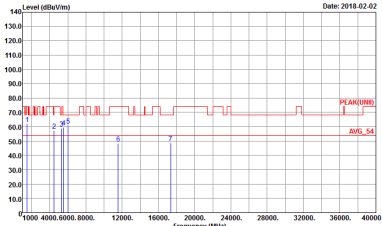


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak

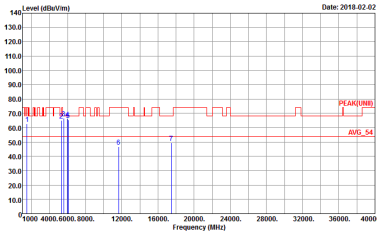
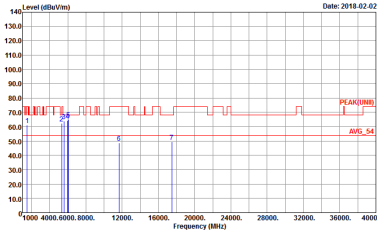
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(LINE) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(LINE) 3m SHF_HORN_576 VERTICAL Detector : Peak



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak



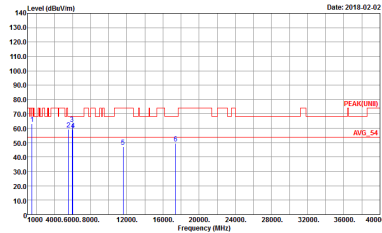
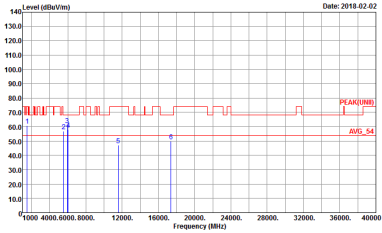
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak



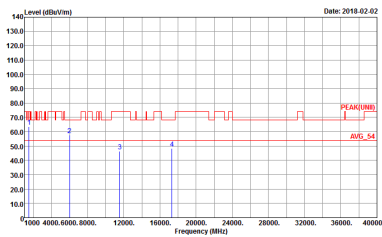
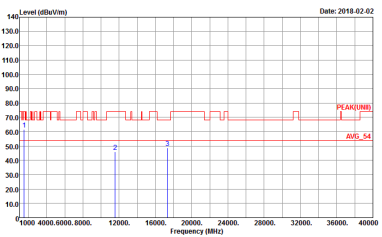
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH13-HY Condition : PEAK(UNB) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	Site : 03CH13-HY Condition : PEAK(UNB) 3m SHF_HORN_576 VERTICAL Detector : Peak



WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak

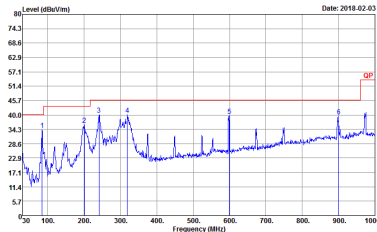
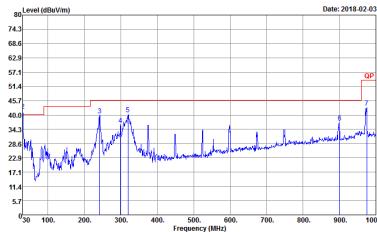
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14V Condition : PEAK(LINE) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-14V Condition : PEAK(LINE) 3m SHF_HORN_576 VERTICAL Detector : Peak

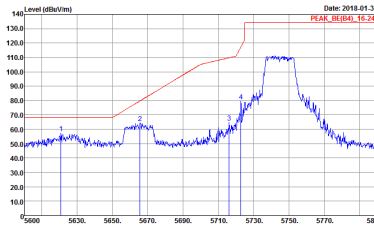
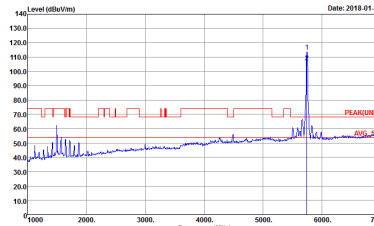
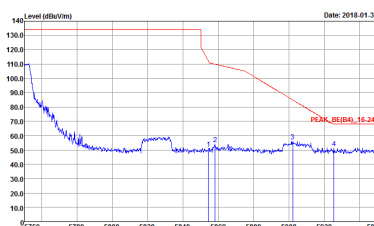


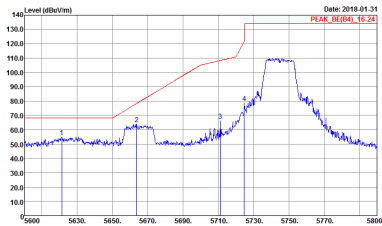
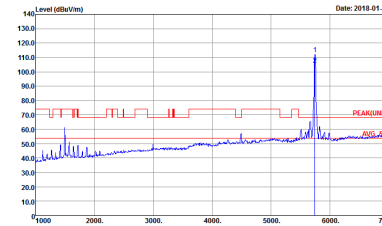
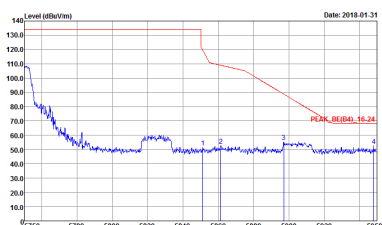
Emission below 1GHz

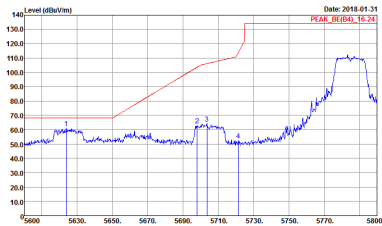
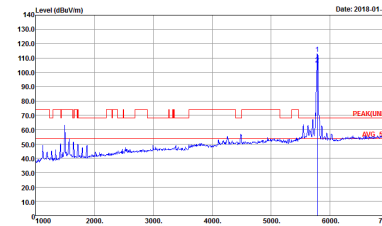
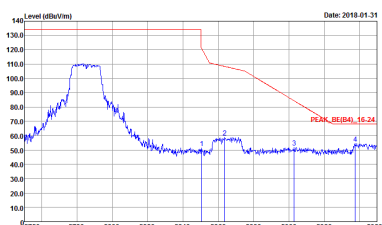
5GHz WIFI 802.11a (LF)

WIFI	5GHz 5725~5850MHz	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH13-HV Condition : QP 3m BIL06_40103 HORIZONTAL Detector : Peak	 Site : 03CH13-HV Condition : QP 3m BIL06_40103 VERTICAL Detector : Peak

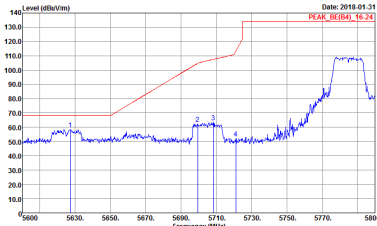
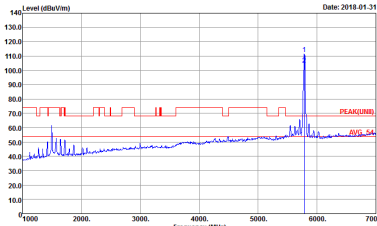
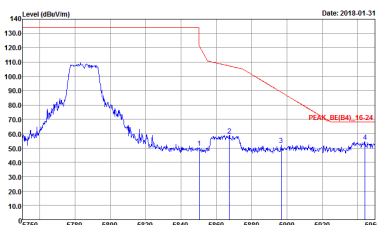
Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz - L	
2	Horizontal	Fundamental
Peak	 Site Condition : 03CH13-HY : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site Condition : 03CH13-HY : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site Condition : 03CH13-HY : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

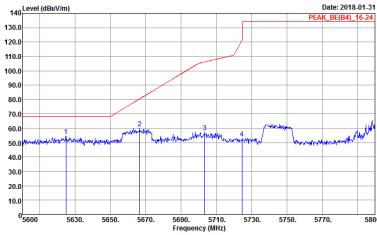
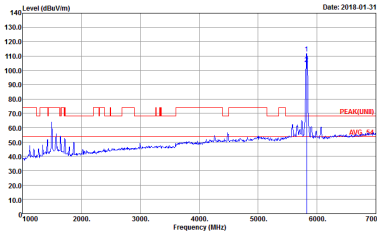
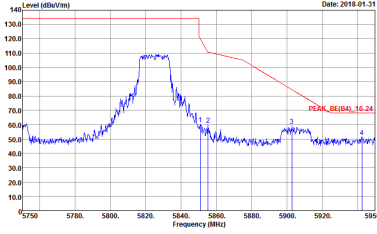
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz - R	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_UNIB 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

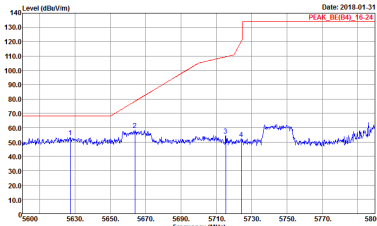
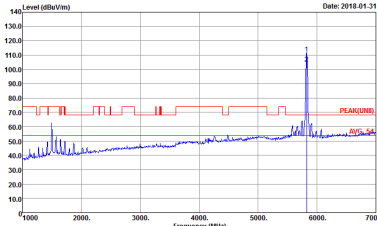
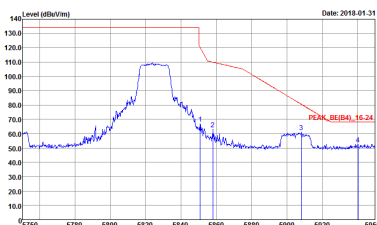


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_UNII 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

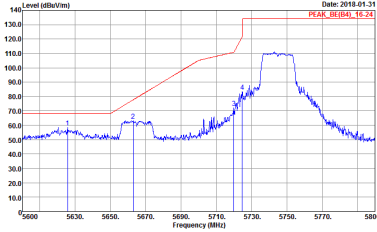
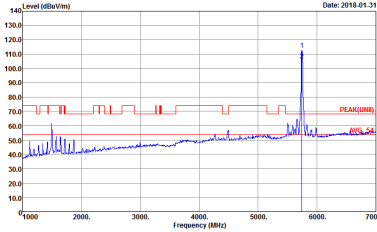
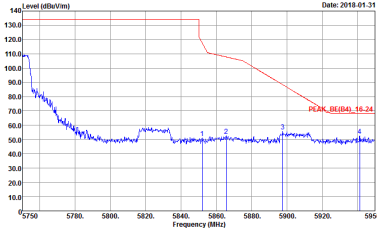


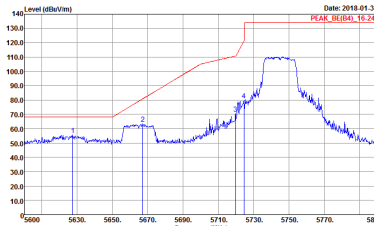
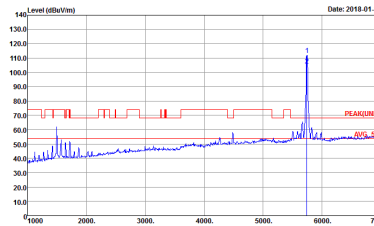
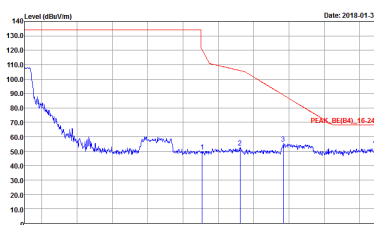
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNB) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



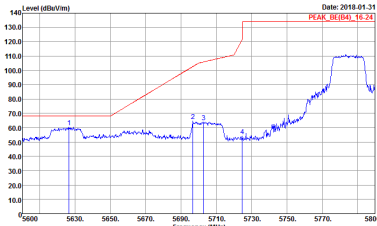
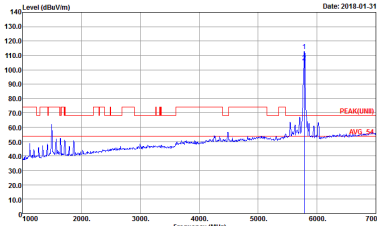
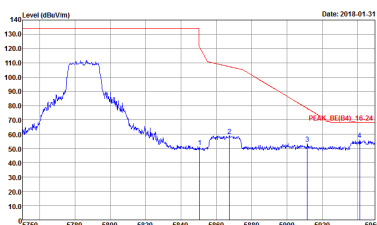
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

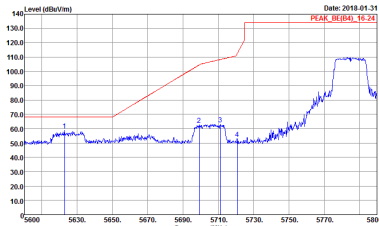
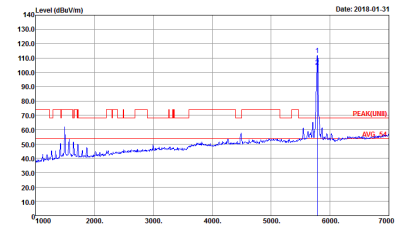
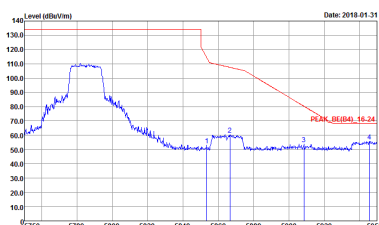
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

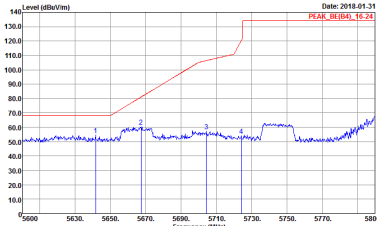
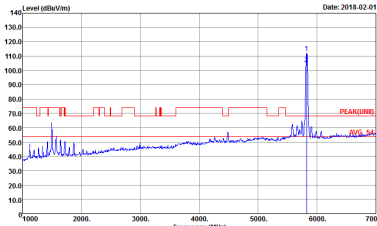
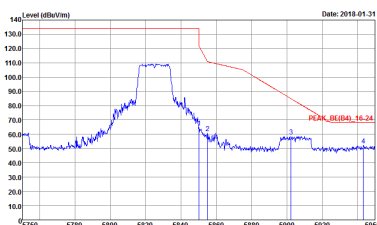
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

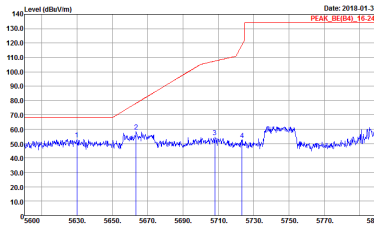
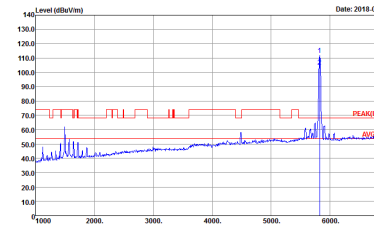
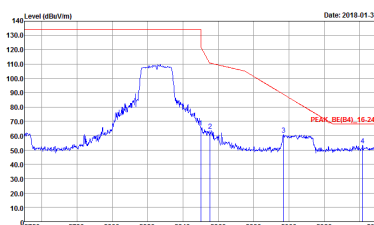


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

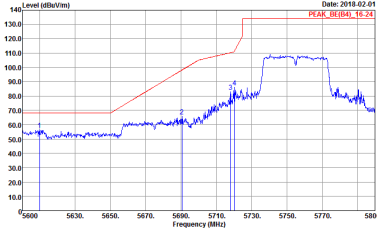
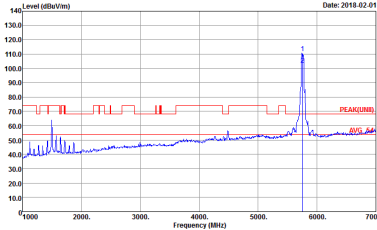
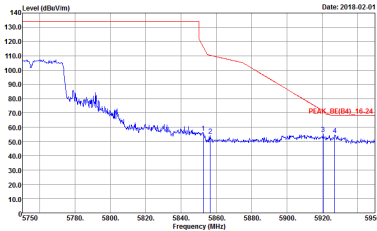
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



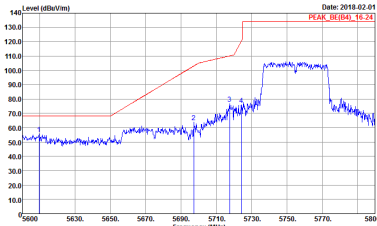
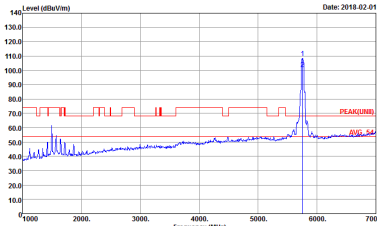
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

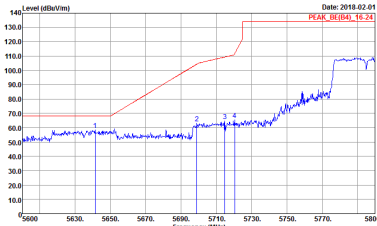
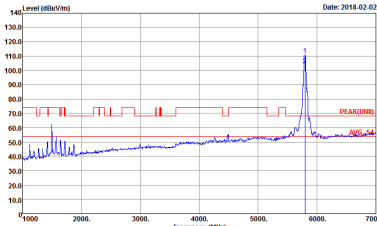
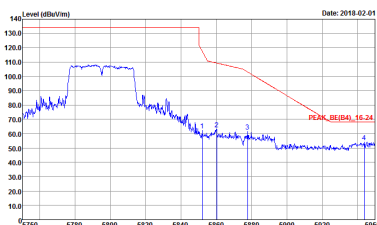
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

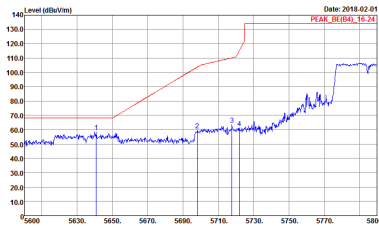
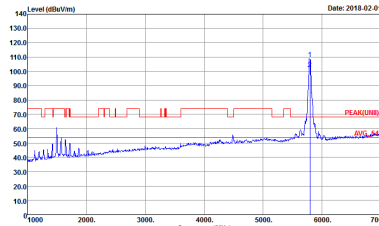
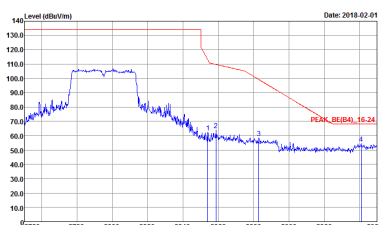
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



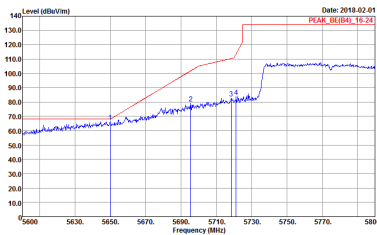
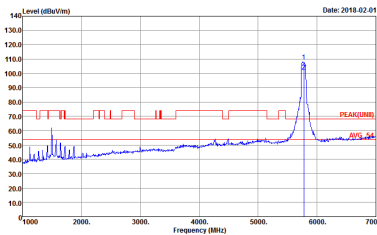
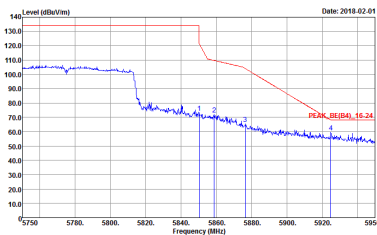
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



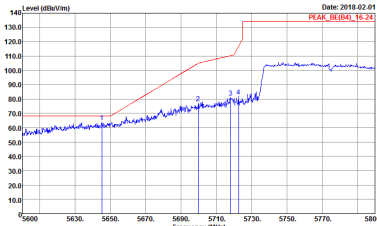
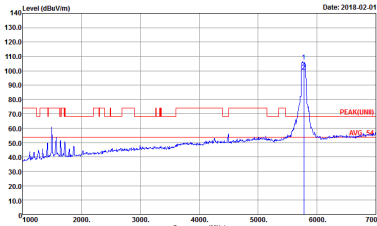
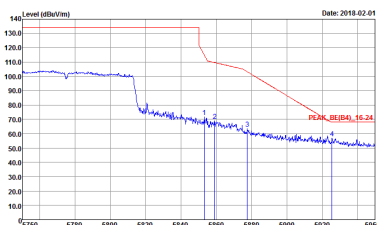
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

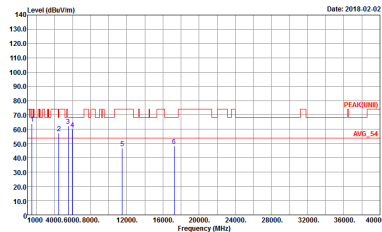
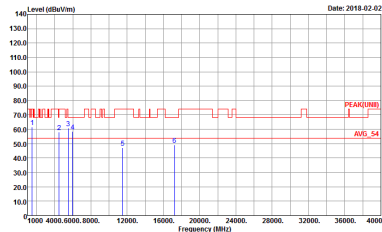
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_LIN(B4)_16-24 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

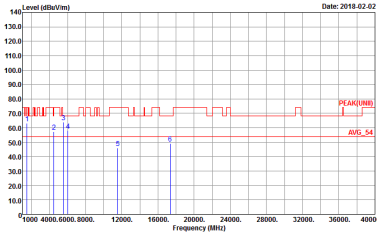
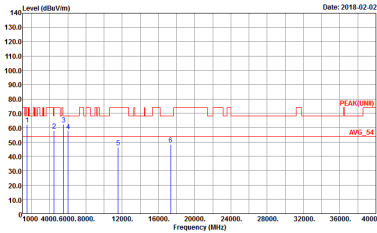


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

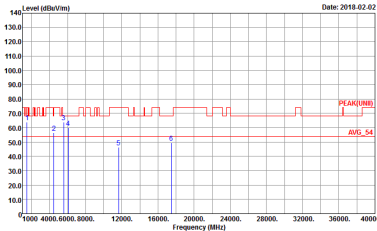
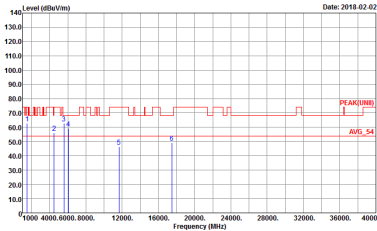
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak

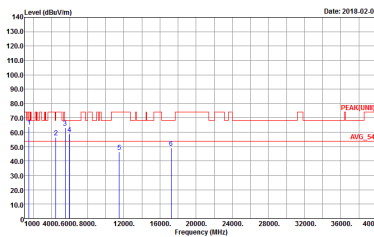
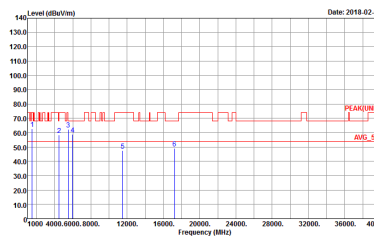


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak

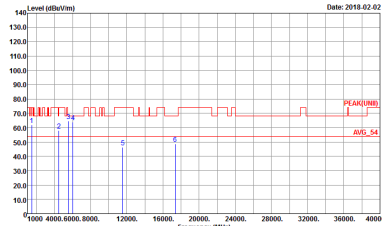
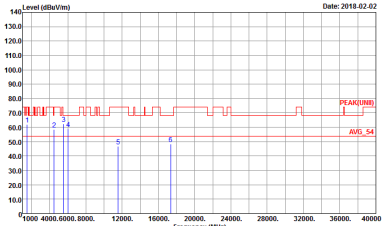


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak

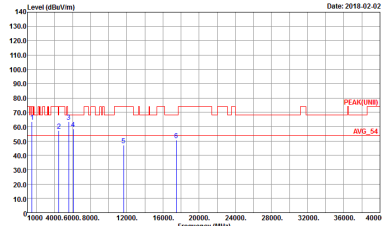
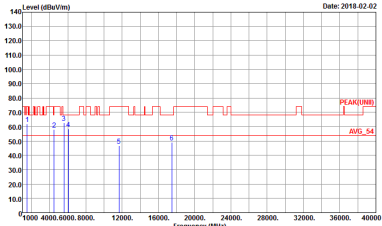
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(LINE1) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(LINE1) 3m SHF_HORN_576 VERTICAL Detector : Peak



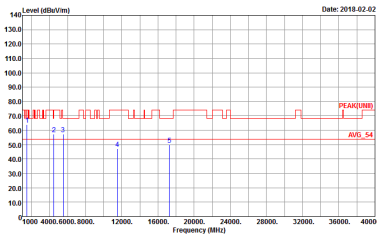
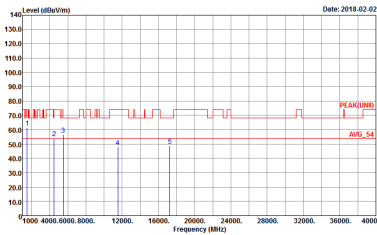
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak



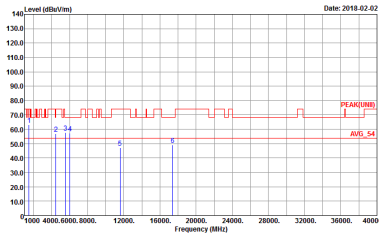
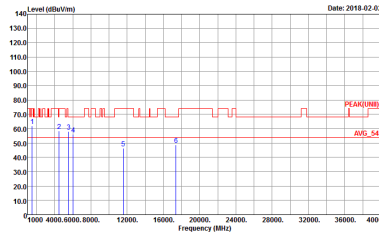
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak



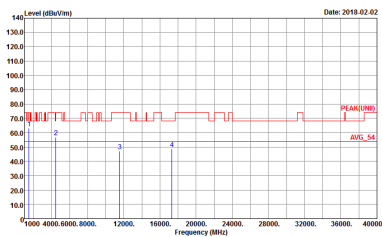
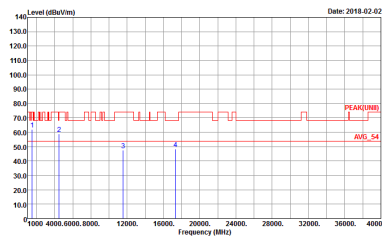
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(LINE1) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(LINE1) 3m SHF_HORN_576 VERTICAL Detector : Peak

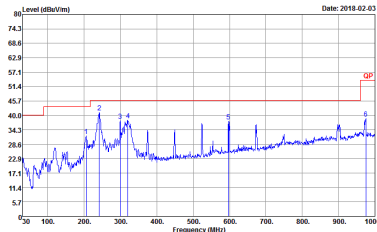
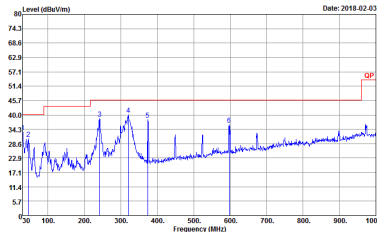


WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak

Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

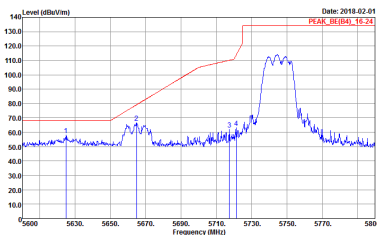
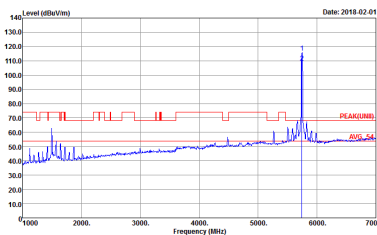
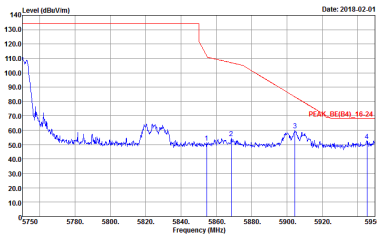
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(LINE1) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(LINE1) 3m SHF_HORN_576 VERTICAL Detector : Peak

Emission below 1GHz
5GHz WIFI 802.11ac VHT80 (LF)

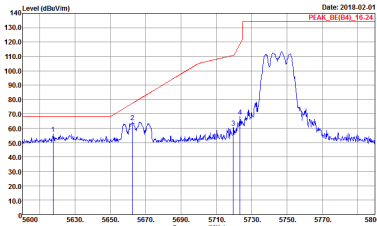
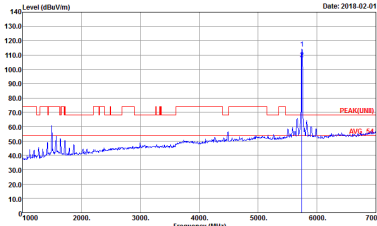
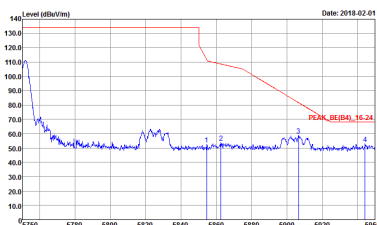
WIFI	5GHz 5725~5850MHz	
ANT	802.11ac VHT80 LF	
2	Horizontal	Vertical
QP / Peak	 Site : 03CH13-4V Condition : QP 3m B1LOG_40103 HORIZONTAL Detector : Peak	 Site : 03CH13-4V Condition : QP 3m B1LOG_40103 VERTICAL Detector : Peak

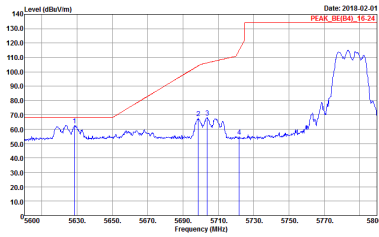
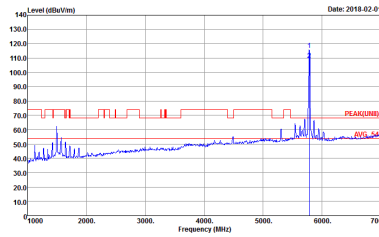
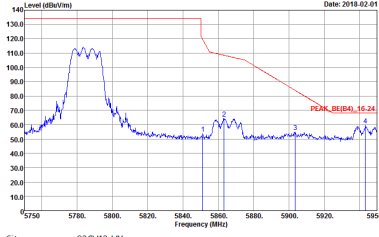


Band 4 - 5725~5850MHz
WIFI 802.11a (Band Edge @ 3m)

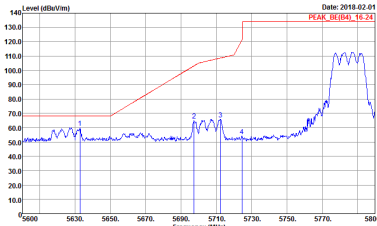
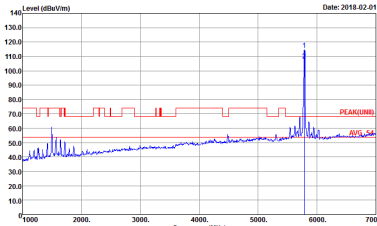
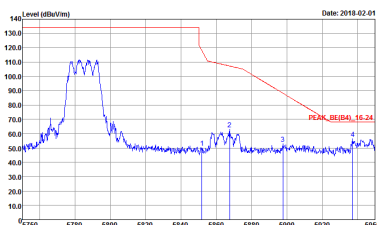
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site Condition : 03CH13-HV : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site Condition : 03CH13-HV : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site Condition : 03CH13-HV : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



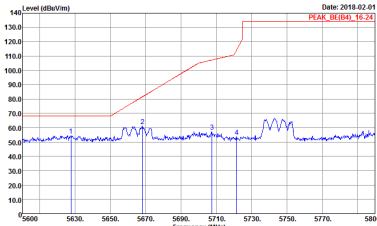
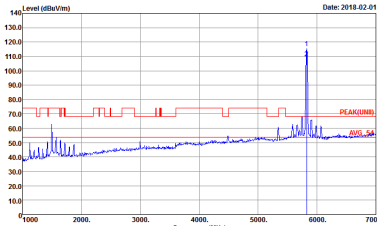
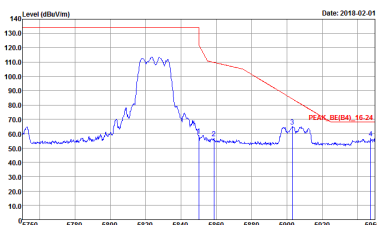
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH149 5745MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL Detector : Peak
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL Detector : Peak	Left blank

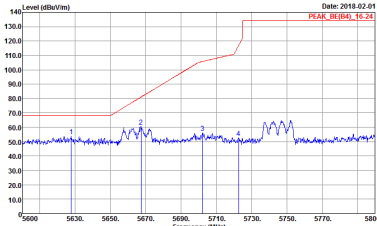
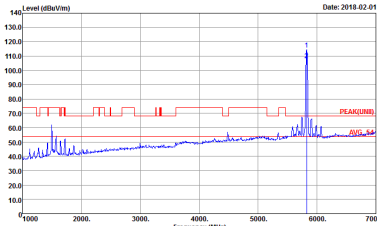
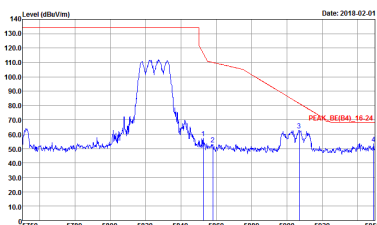


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL Detector : Peak
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL Detector : Peak	Left blank



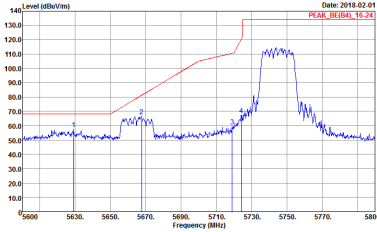
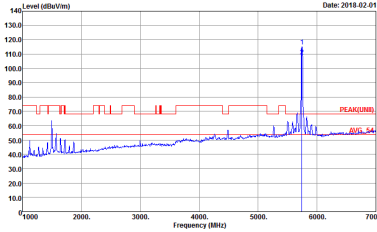
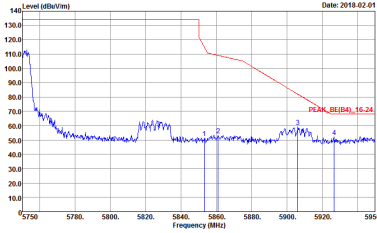
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_UNI(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



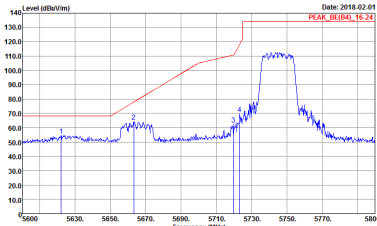
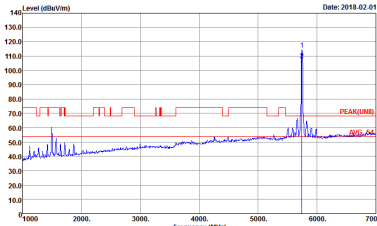
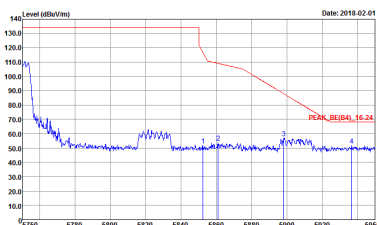
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNI) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

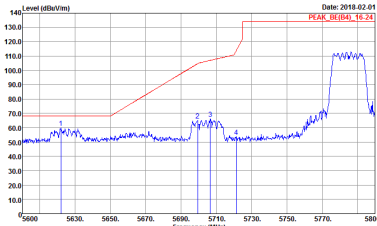
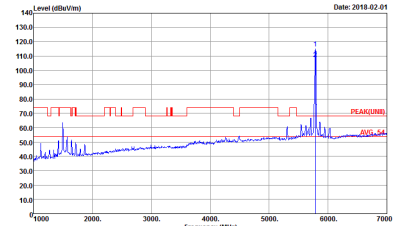
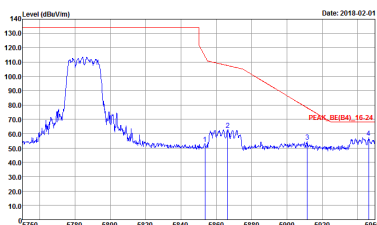


Band 4 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

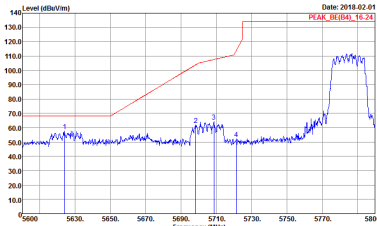
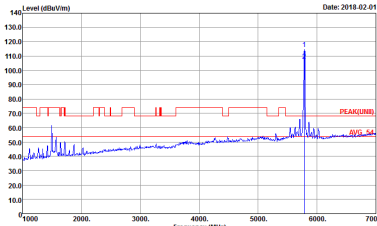
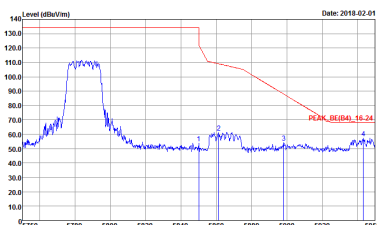
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

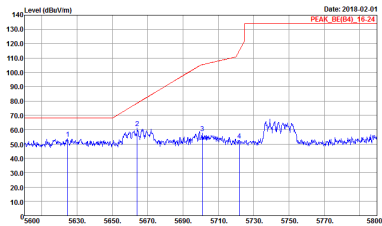
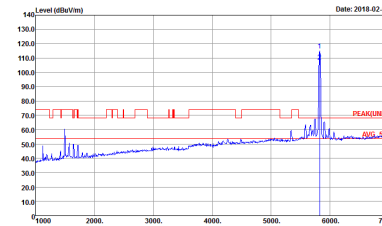
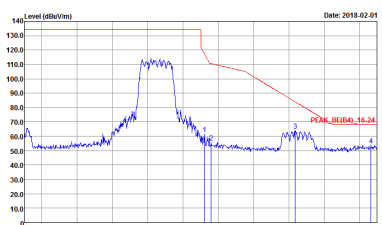


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

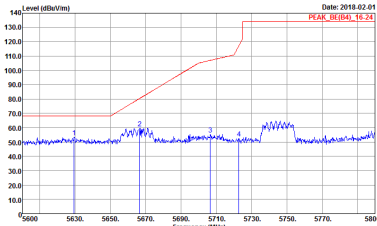
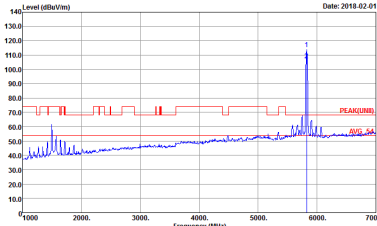
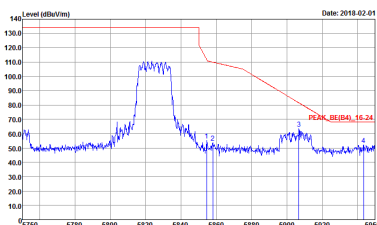
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

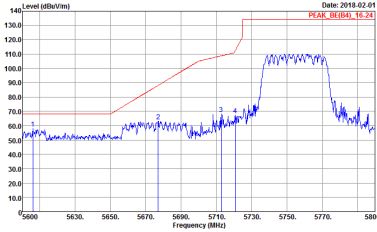
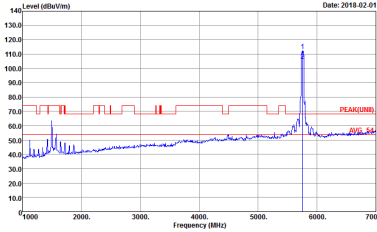
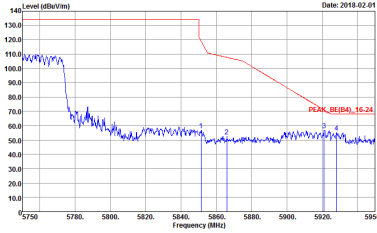
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

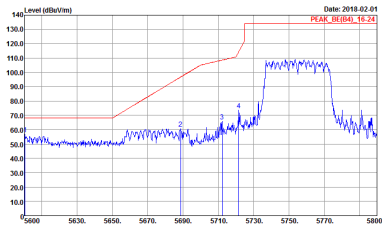
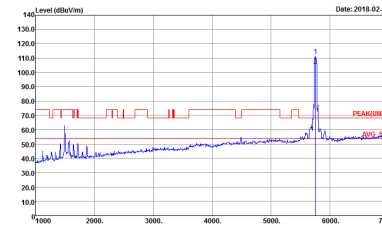
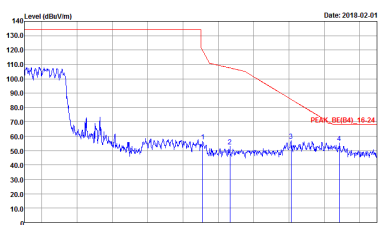


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

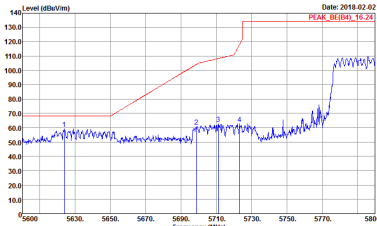
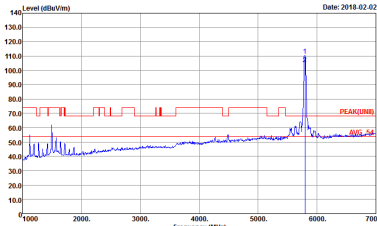
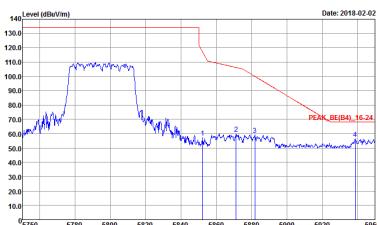


Band 4 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

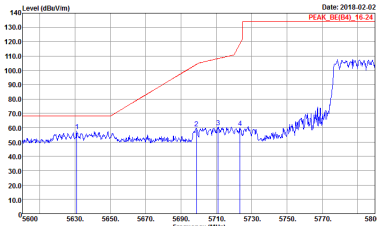
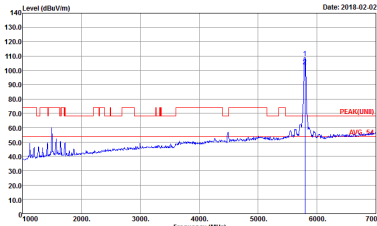
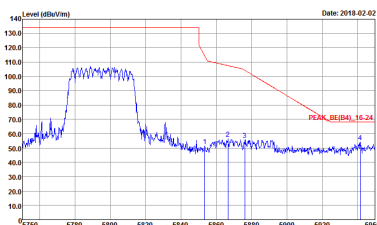
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(LINE) 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_9120D_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(84)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



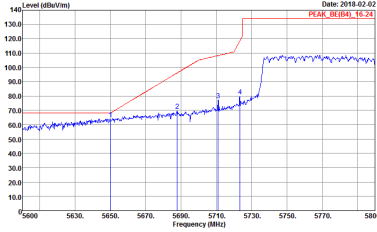
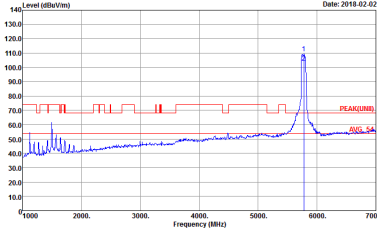
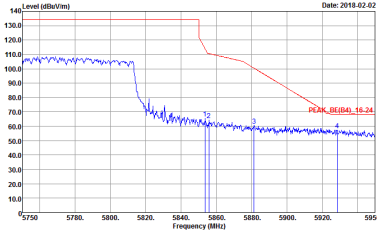
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK_UN(B) 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



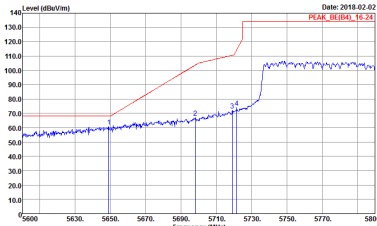
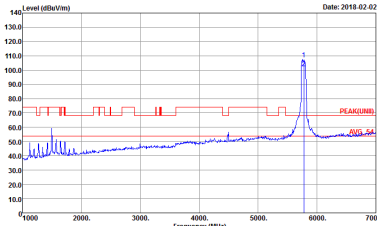
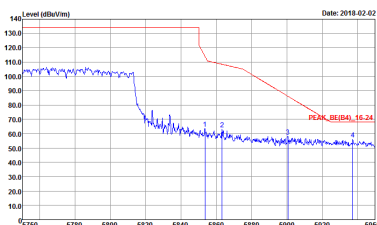
WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



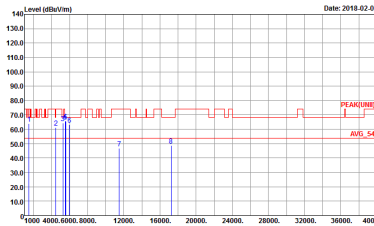
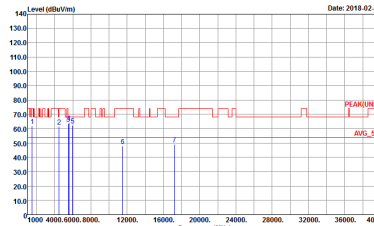
Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(B4)_16-24 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

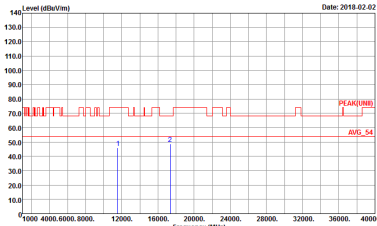
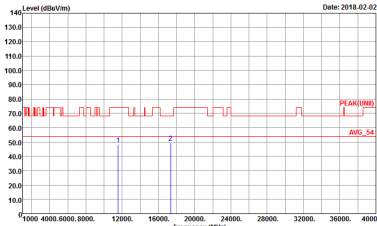


WIFI	Band 4 5725~5850MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH13-HY Condition : PEAK_BE(B4)_16-24 3m HORN_91200_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

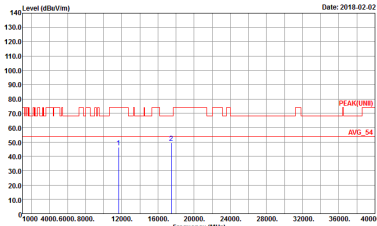
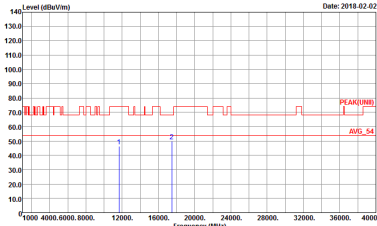
Band 4 - 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_576 VERTICAL Detector : Peak



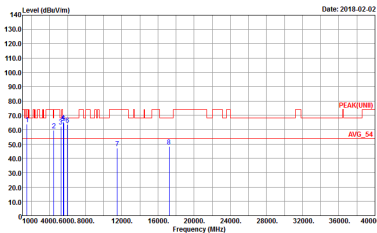
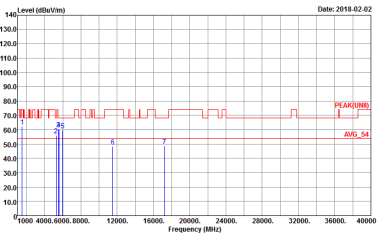
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak



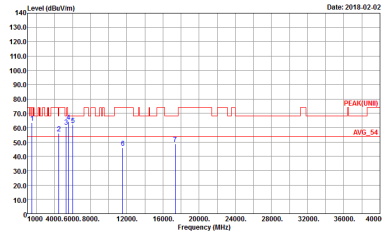
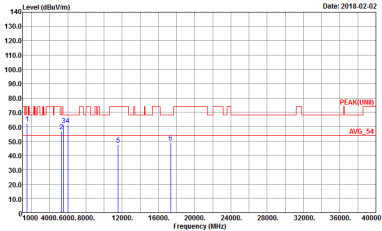
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11a CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak



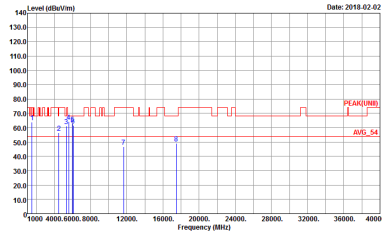
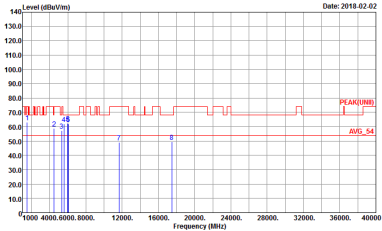
Band 4 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH149 5745MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-14V Condition : PEAK(LINE) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-14V Condition : PEAK(LINE) 3m SHF_HORN_576 VERTICAL Detector : Peak



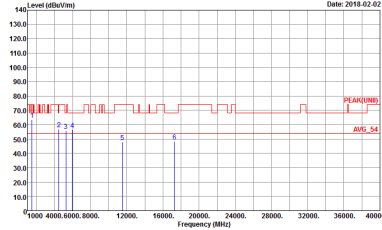
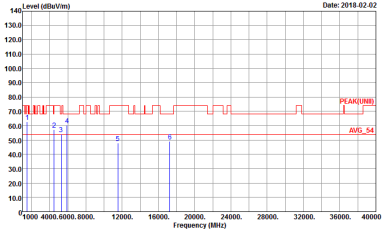
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH157 5785MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak



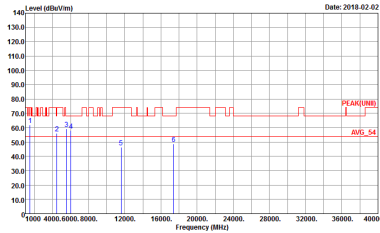
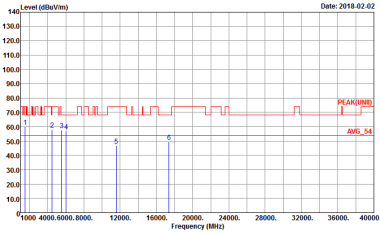
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT20 CH165 5825MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak



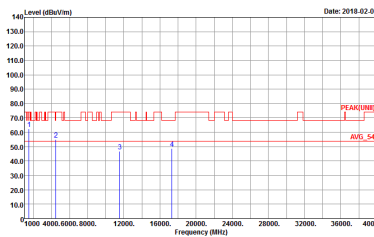
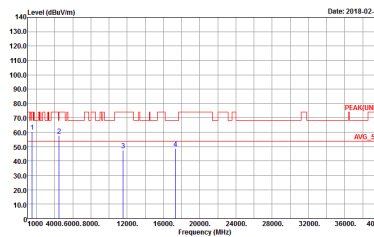
Band 4 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH151 5755MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(LINE1) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(LINE1) 3m SHF_HORN_576 VERTICAL Detector : Peak



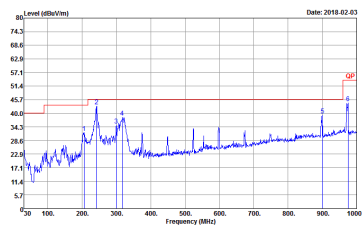
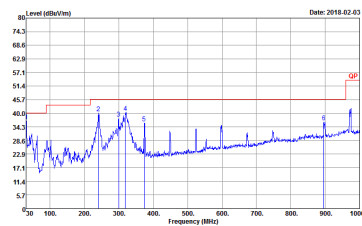
WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11n HT40 CH159 5795MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak

Band 4 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 4 5725~5850MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH155 5775MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 HORIZONTAL Detector : Peak	 Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_576 VERTICAL Detector : Peak



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

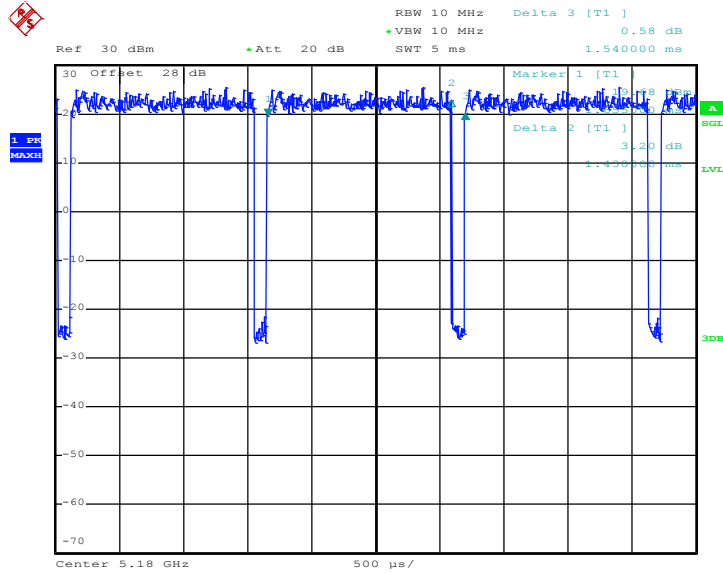
WIFI	5GHz 5725~5850MHz	
ANT	802.11a LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH13-4V Condition : QP 3m BIL06_40103 HORIZONTAL Detector : Peak	 Site : 03CH13-4V Condition : QP 3m BIL06_40103 VERTICAL Detector : Peak

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11a	92.86	1430	0.70	1kHz	0.32
2	802.11a	93.46	1430	0.70	1kHz	0.29
1+2	802.11a for Ant. 1	93.46	1430	0.70	1kHz	0.29
1+2	802.11a for Ant. 2	93.46	1430	0.70	1kHz	0.29
1	5GHz 802.11n HT20	93.06	1340	0.75	1kHz	0.31
2	5GHz 802.11n HT20	92.41	1340	0.75	1kHz	0.34
1+2	5GHz 802.11n HT20 for Ant. 1	93.06	1340	0.75	1kHz	0.31
1+2	5GHz 802.11n HT20 for Ant. 2	93.06	1340	0.75	1kHz	0.31
1	5GHz 802.11n HT40	85.71	660	1.52	3kHz	0.67
2	5GHz 802.11n HT40	86.84	660	1.52	3kHz	0.61
1+2	5GHz 802.11n HT40 for Ant. 1	85.71	660	1.52	3kHz	0.67
1+2	5GHz 802.11n HT40 for Ant. 2	87.01	670	1.49	3kHz	0.60
1	5GHz 802.11ac VHT20	93.10	1350	0.74	1kHz	0.31
2	5GHz 802.11ac VHT20	93.08	1345	0.74	1kHz	0.31
1+2	5GHz 802.11ac VHT20 for Ant. 1	93.10	1350	0.74	1kHz	0.31
1+2	5GHz 802.11ac VHT20 for Ant. 2	92.41	1340	0.75	1kHz	0.34
1	5GHz 802.11ac VHT40	85.71	660	1.52	3kHz	0.67
2	5GHz 802.11ac VHT40	85.71	660	1.52	3kHz	0.67
1+2	5GHz 802.11ac VHT40 for Ant. 1	85.90	670	1.49	3kHz	0.66
1+2	5GHz 802.11ac VHT40 for Ant. 2	85.71	660	1.52	3kHz	0.67
1	5GHz 802.11ac VHT80	76.39	330	3.03	10kHz	1.17
2	5GHz 802.11ac VHT80	76.39	330	3.03	10kHz	1.17
1+2	5GHz 802.11ac VHT80 for Ant. 1	77.46	330	3.03	10kHz	1.11
1+2	5GHz 802.11ac VHT80 for Ant. 2	76.39	330	3.03	10kHz	1.17

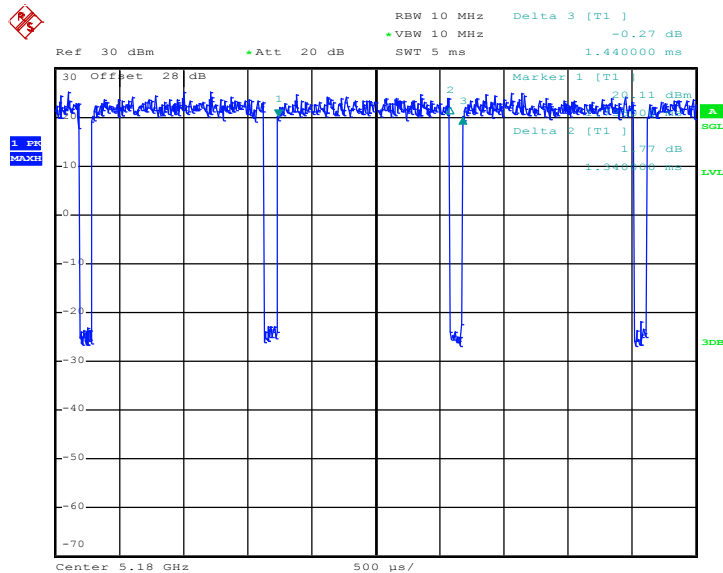
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802.11a

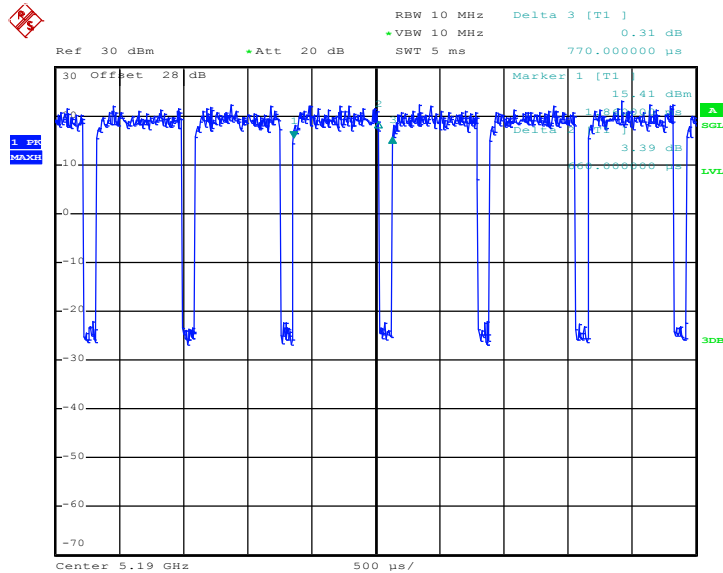


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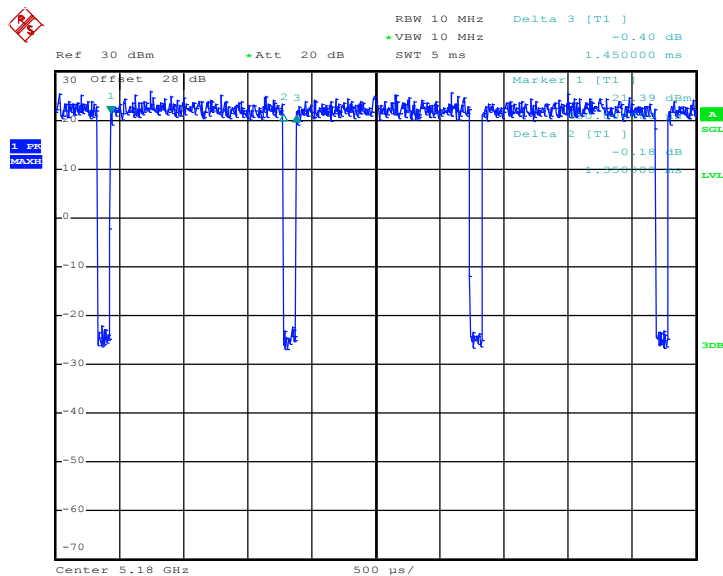
802.11n HT20



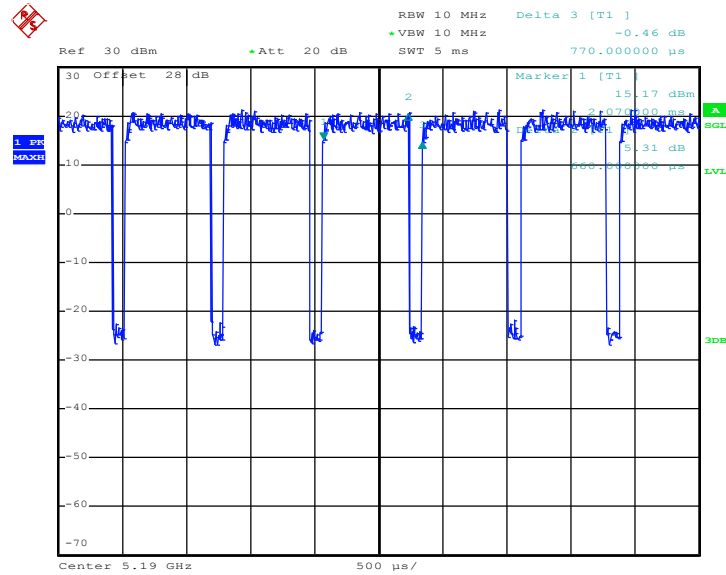
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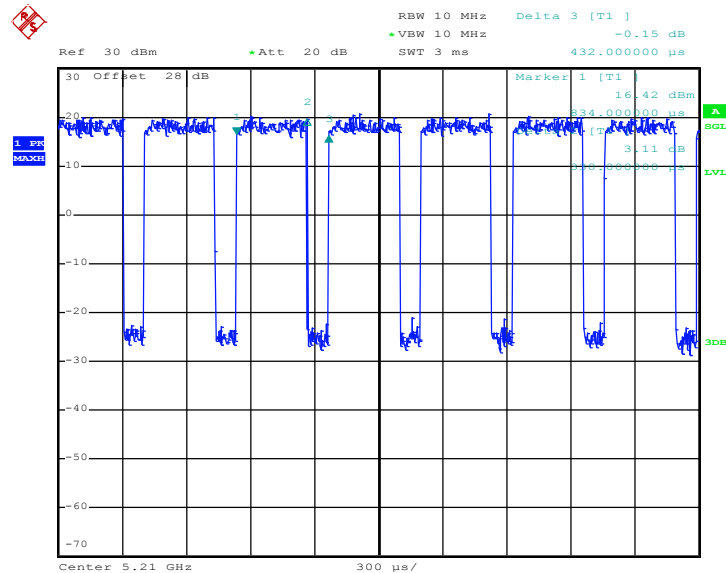
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Date: 22.JAN.2018 20:42:36

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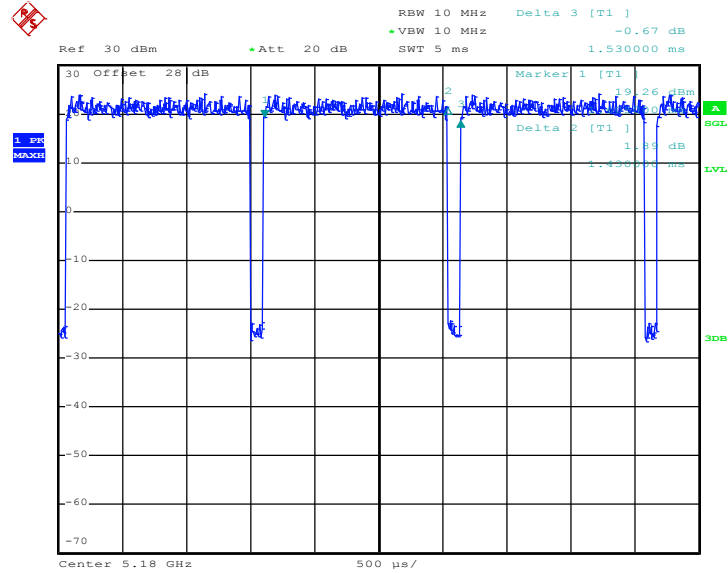
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Date: 22.JAN.2018 20:55:05

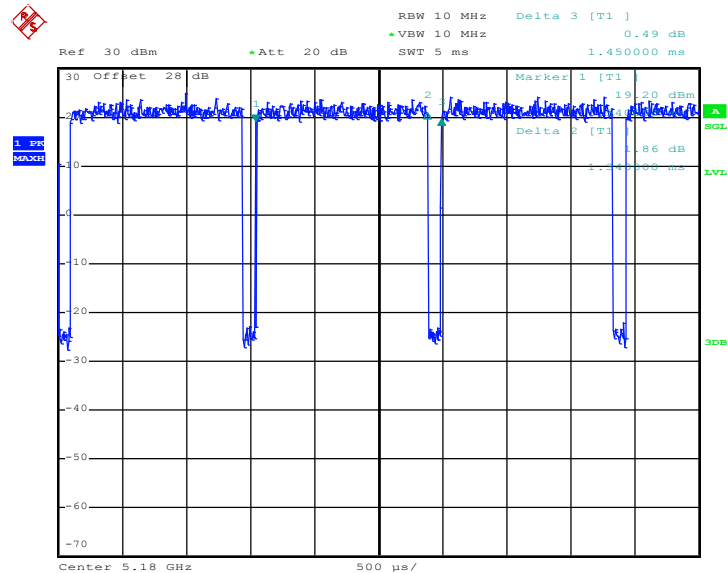
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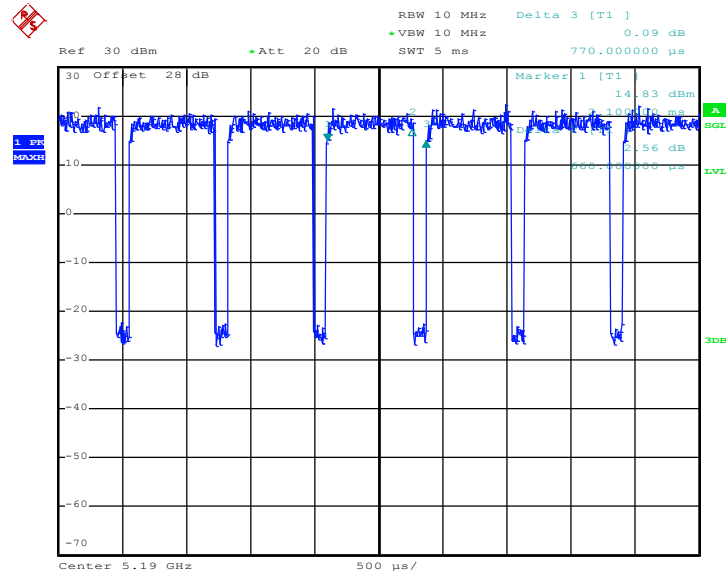
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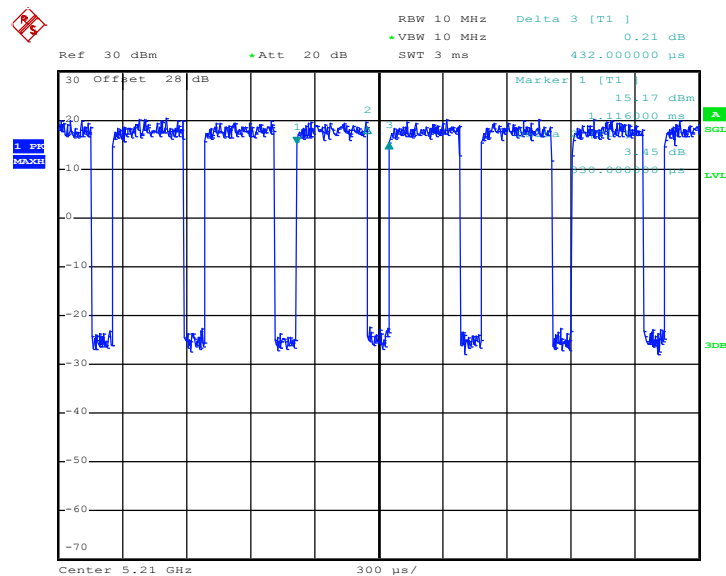


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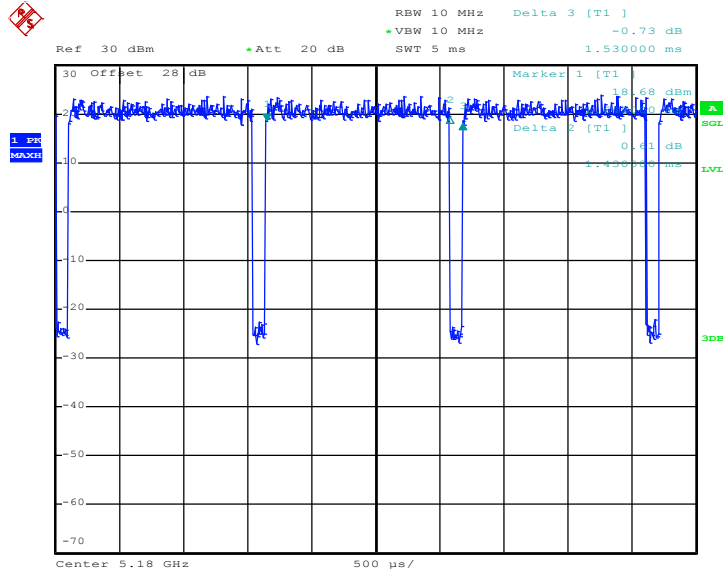
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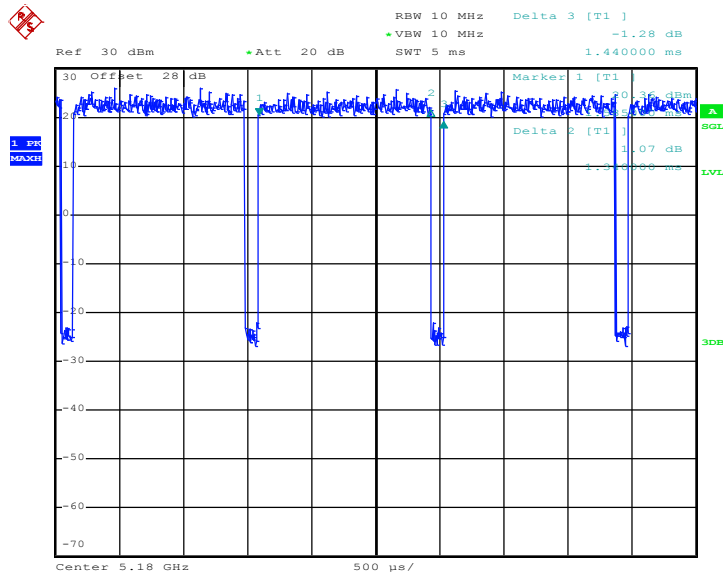
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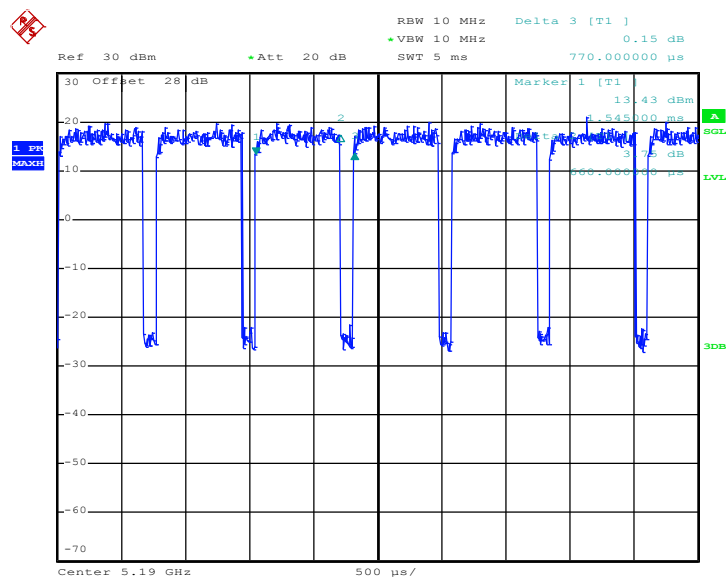


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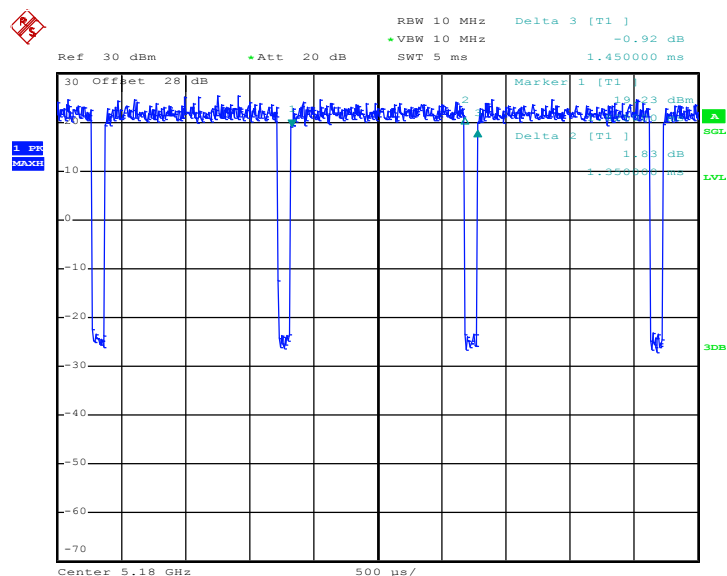
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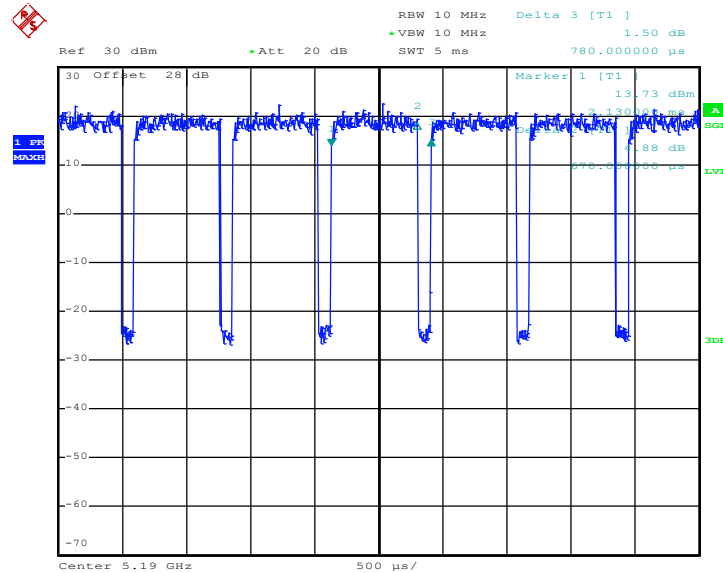
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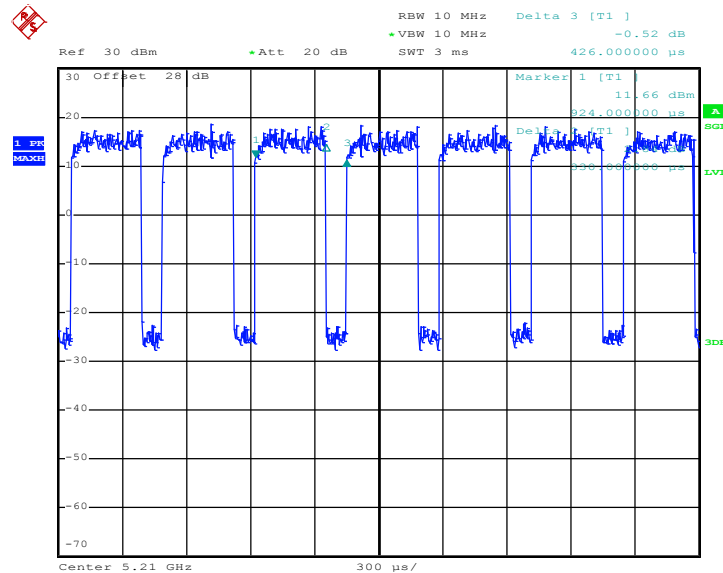
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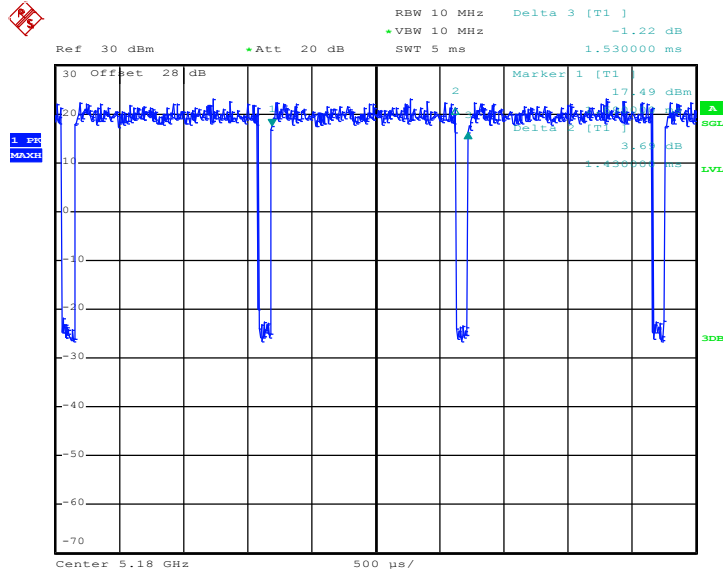
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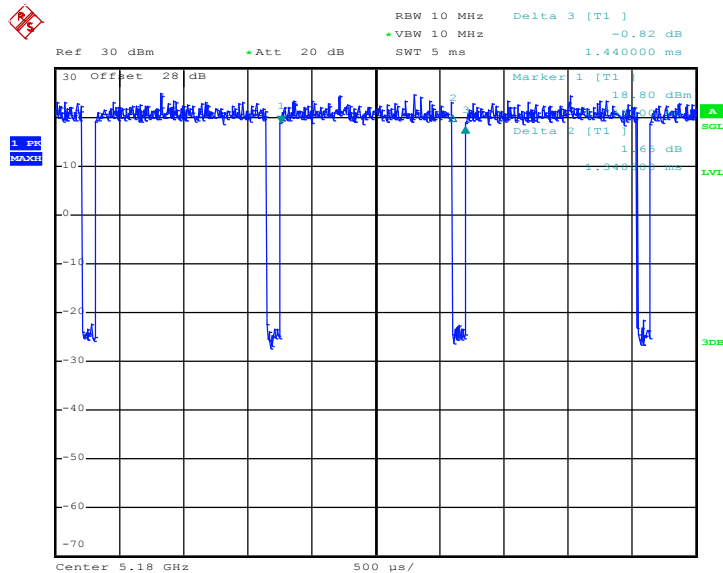
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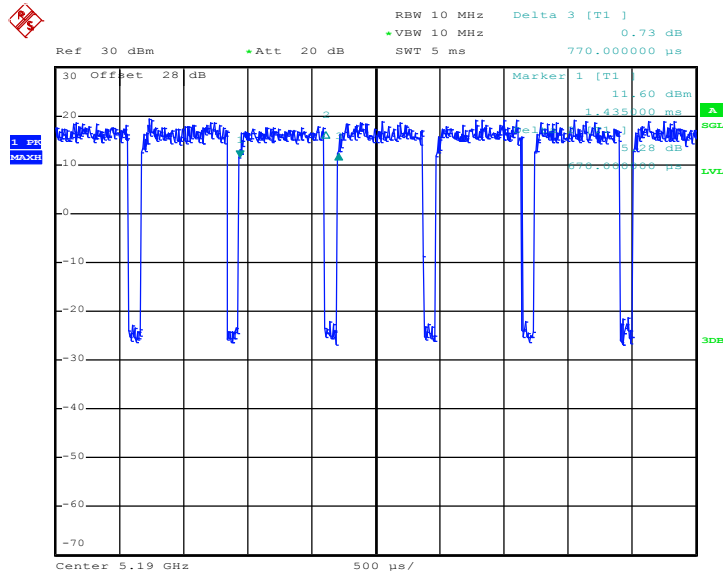
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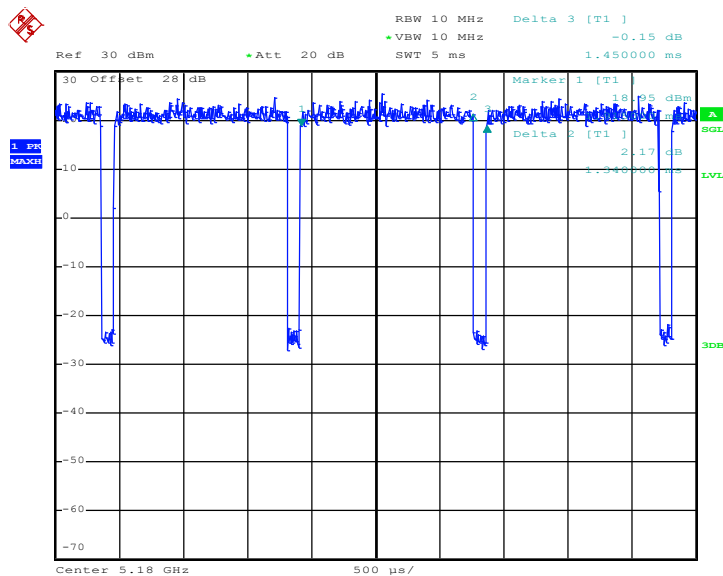
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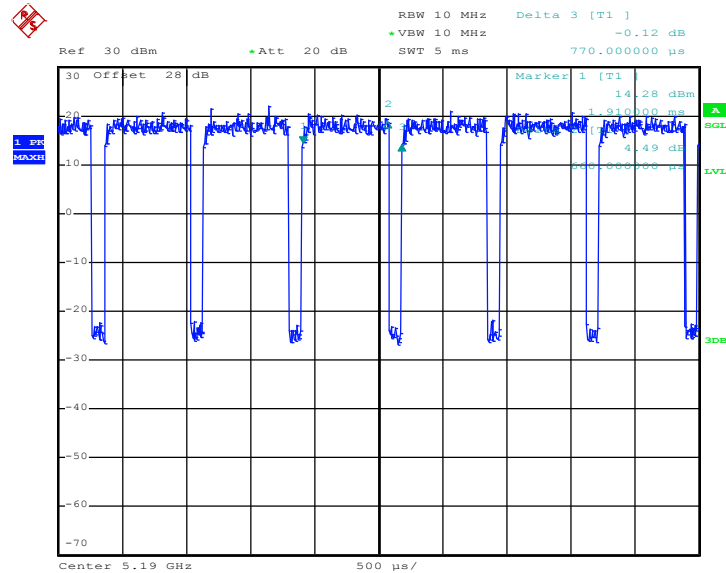
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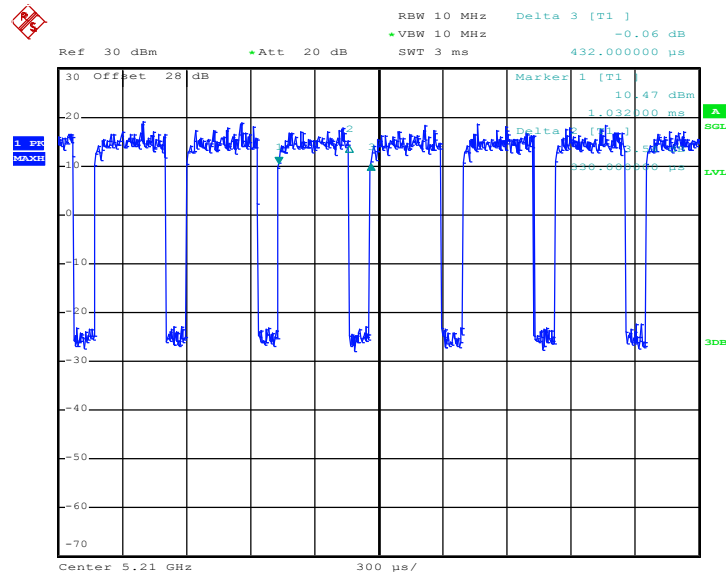
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Date: 22.JAN.2018 20:44:02

802.11ac VHT40


Date: 22.JAN.2018 20:46:46

802.11ac VHT80


Date: 22.JAN.2018 20:56:04