



FCC RADIO TEST REPORT

FCC ID : ACJJTC52A
Equipment : Mobile Payment Terminal
Brand Name : Panasonic
Model Name : JT-C522WZ01
Marketing Name : JT-C52
Applicant : Panasonic Corporation of North America
Two Riverfront Plaza, 9th Floor, Newark, NJ 07102-5490
Manufacturer : Panasonic Mobile Communications Co., Ltd.
600 Saedo-cho, Tsuzuki-ku, Yokohama City 224-8539, Japan
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jan. 16, 2019 and testing was started from Jan. 24, 2019 and completed on Feb. 12, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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

Approved by: Jones Tsai

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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



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History of this test report

Report No.	Version	Description	Issued Date
FR911608E	01	Initial issue of report	Feb. 15, 2019
FR911608E	02	Add all of the test plots of 26dB and 99% bandwidth in section 3.1.5 and 3.1.6	Mar. 11, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 8.56 dB at 5725.080 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 15.59 dB at 0.152 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Polly Tsai



1 General Description

1.1 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n, NFC, and GNSS.

Product Specification subjective to this standard	
Antenna Type	WLAN: Monopole Antenna Bluetooth: Monopole Antenna GPS/Glonass: Monopole Antenna NFC: Loop Antenna

1.2 Modification of EUT

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

1.3 Testing Location

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

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

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

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

FCC Designation No. TW1190 and TW0007



1.4 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

2.2 Test Mode

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

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

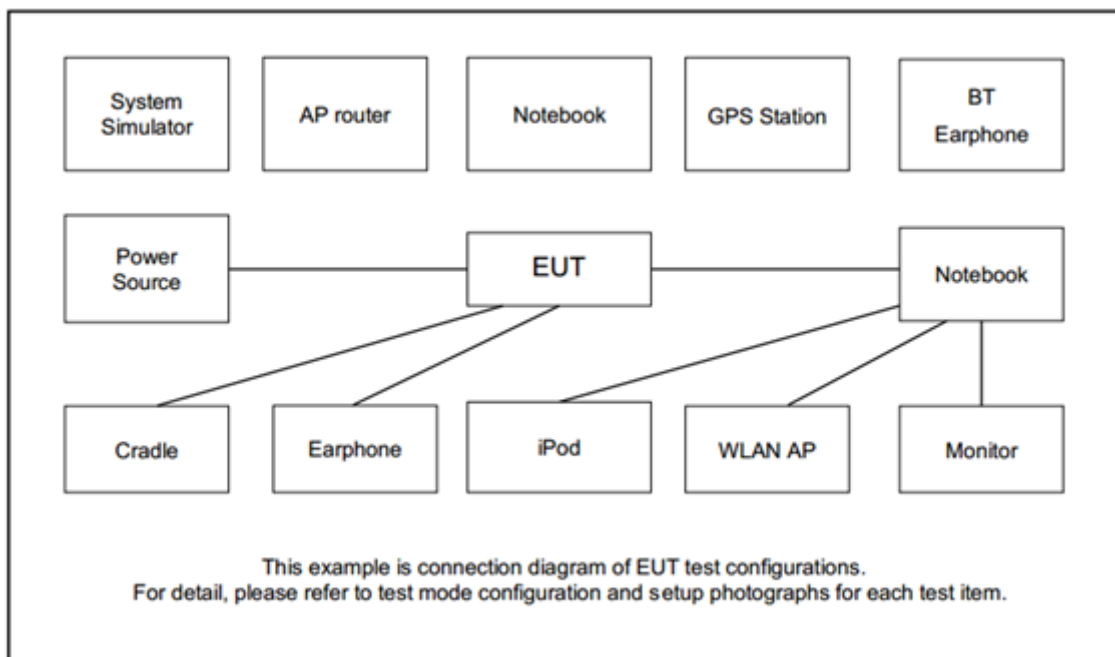
Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + MPEG4 + AC Adapter 2
Remark: For Radiated Test Cases, the tests were performed with Adapter 1.	

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

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

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

2.3 Connection Diagram of Test System



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-AC51U	FCC DoC	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	Notebook	ASUS	P2430U	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

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



2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

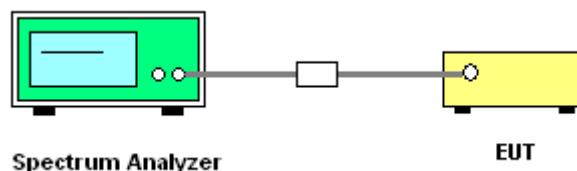
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

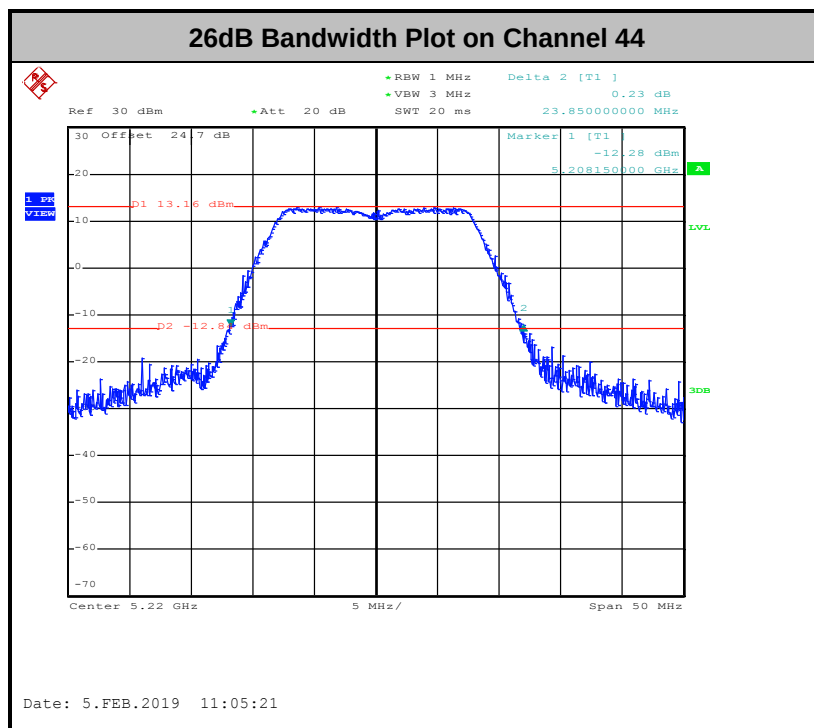
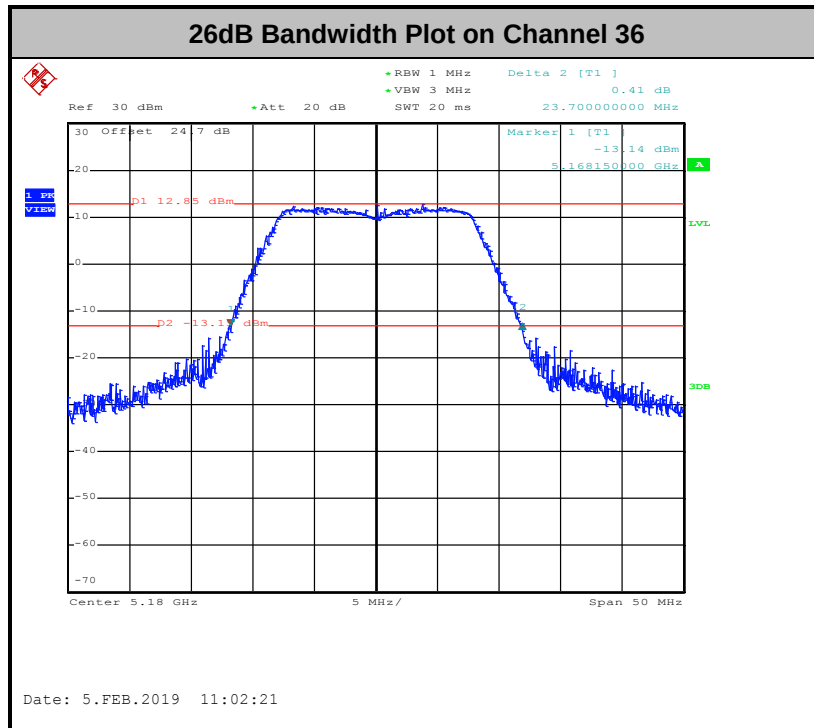




3.1.5 Test Result of 26dB Bandwidth

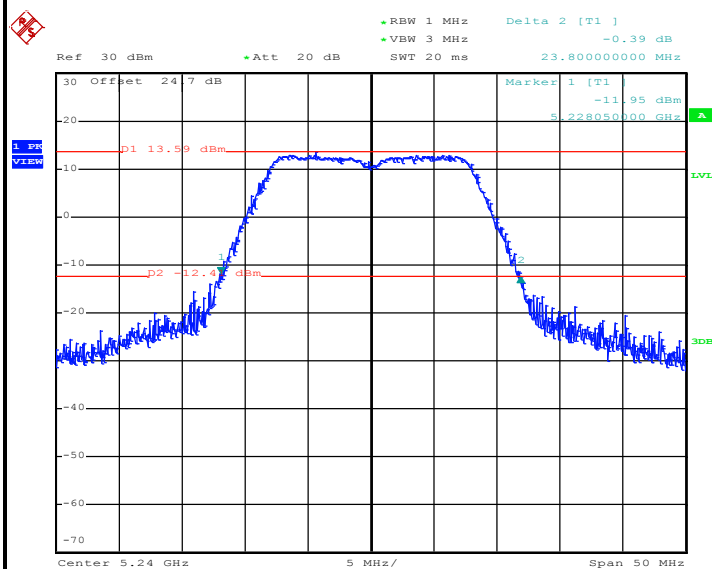
Please refer to Appendix A.

<802.11a>



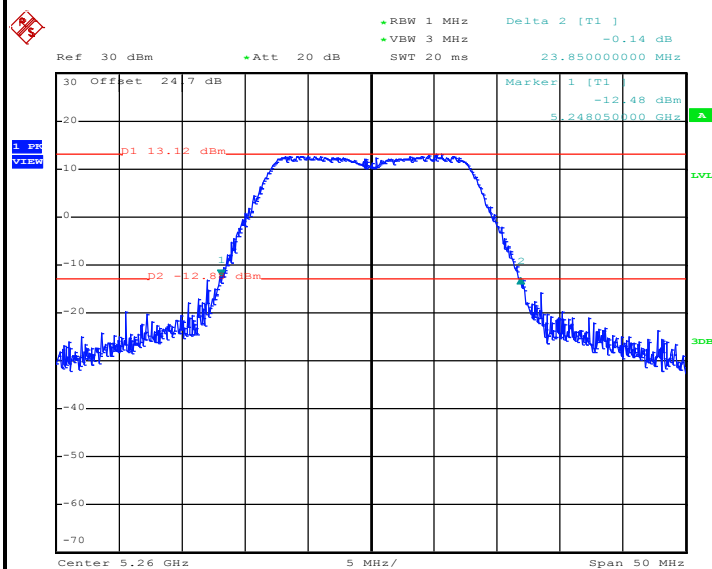


26dB Bandwidth Plot on Channel 48



Date: 5.FEB.2019 11:07:24

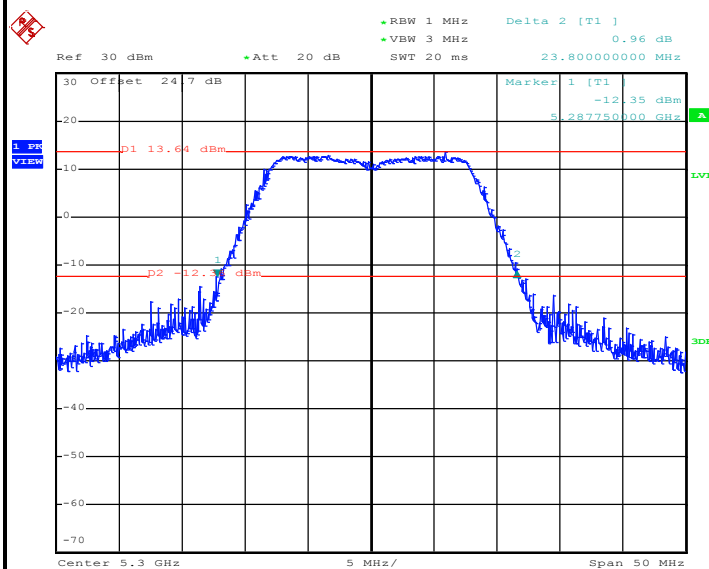
26dB Bandwidth Plot on Channel 52



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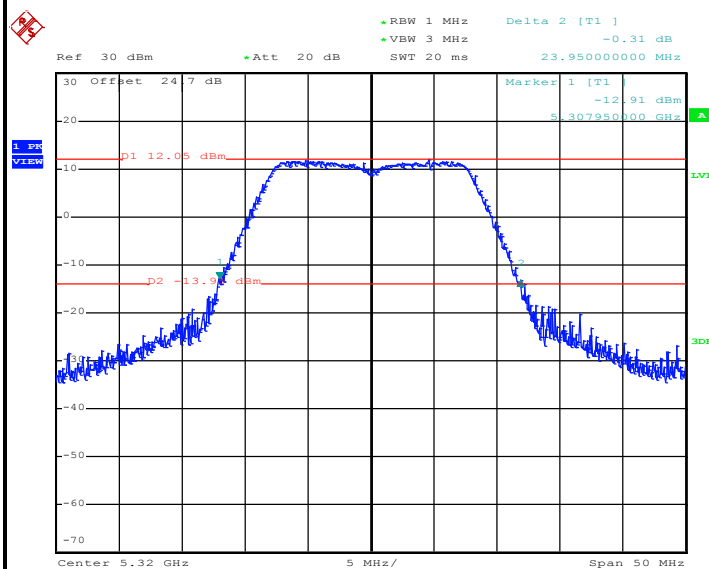


26dB Bandwidth Plot on Channel 60

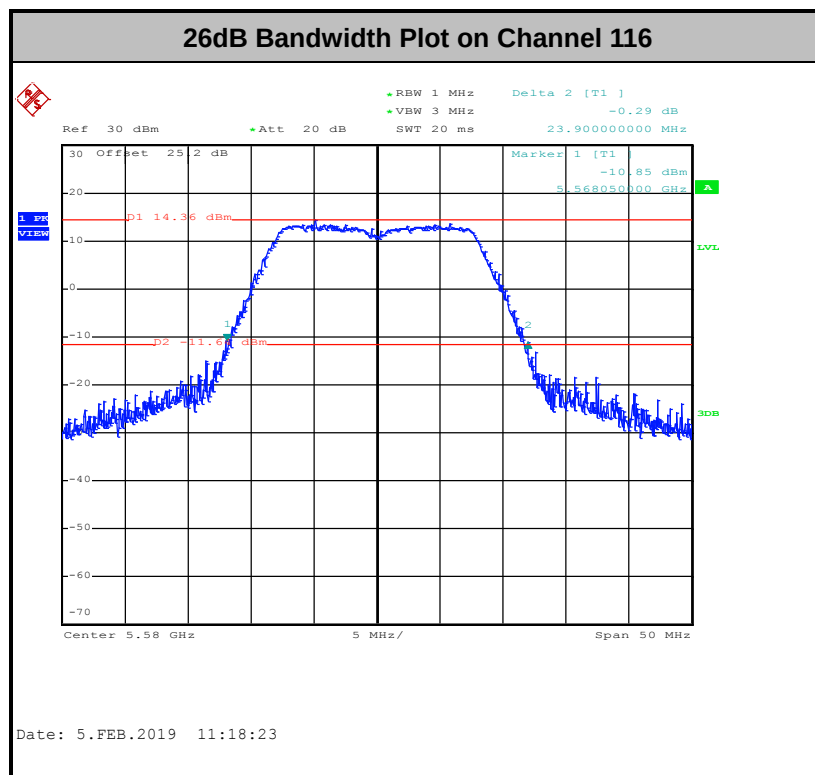
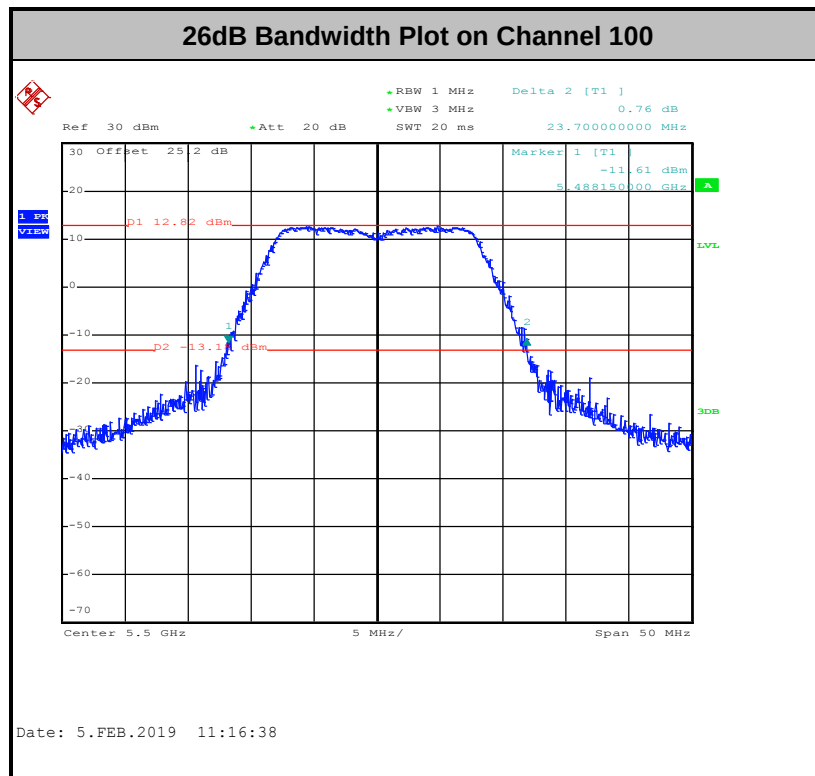


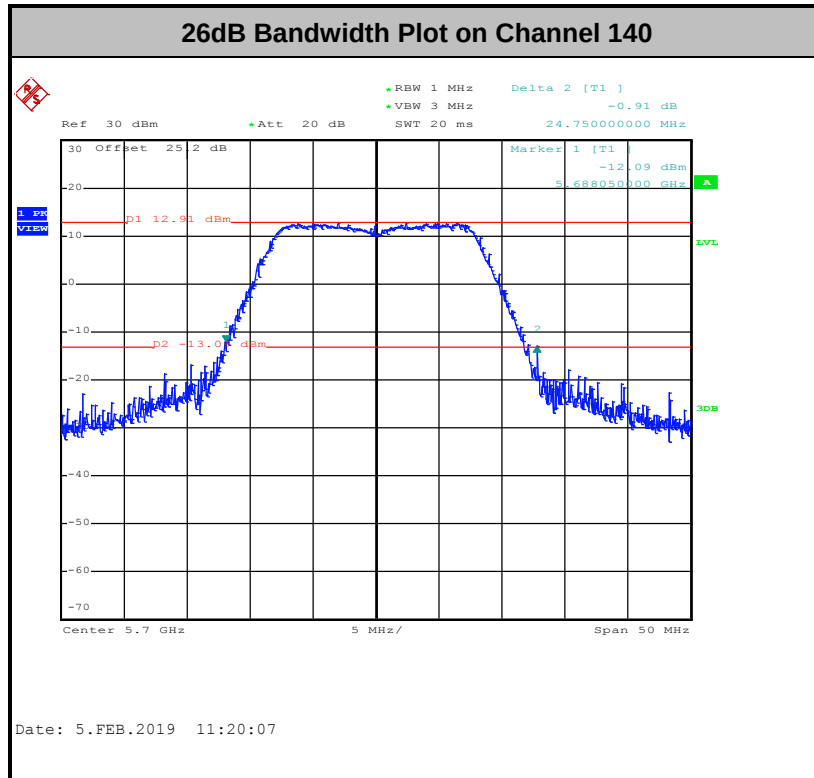
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26dB Bandwidth Plot on Channel 64

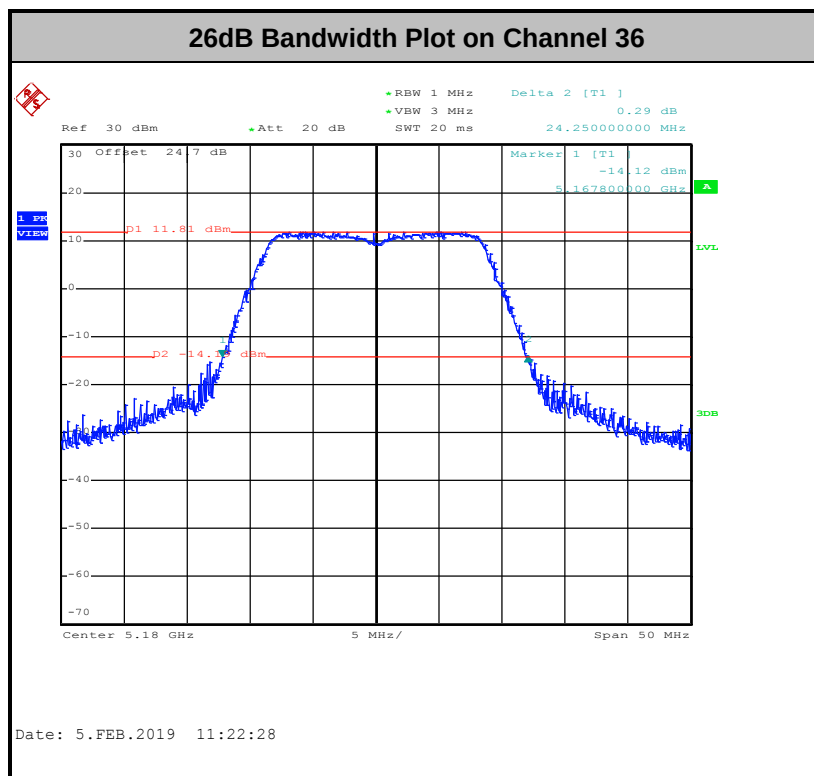


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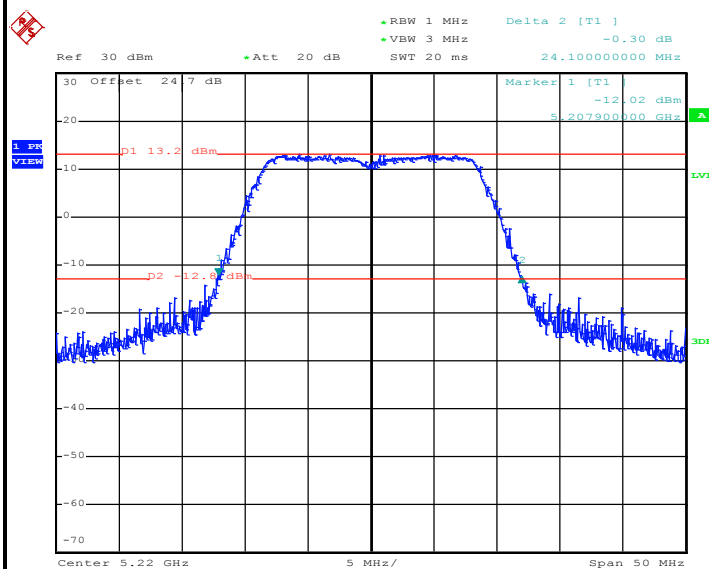


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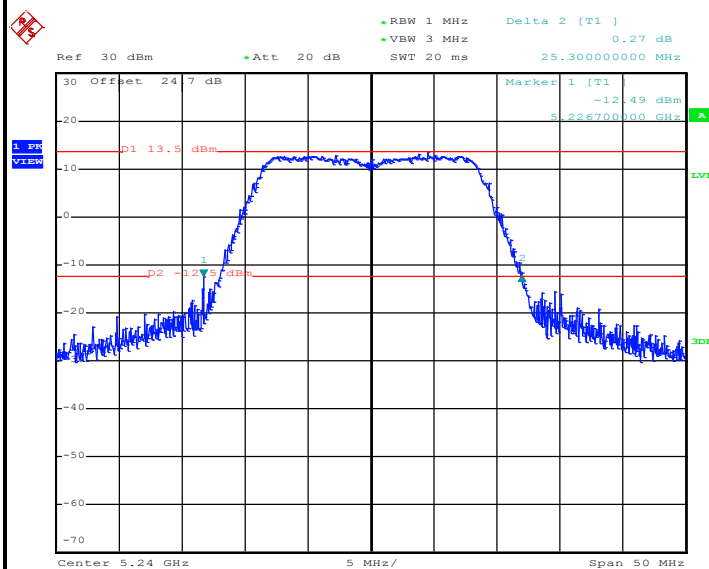


26dB Bandwidth Plot on Channel 44



Date: 5.FEB.2019 11:23:57

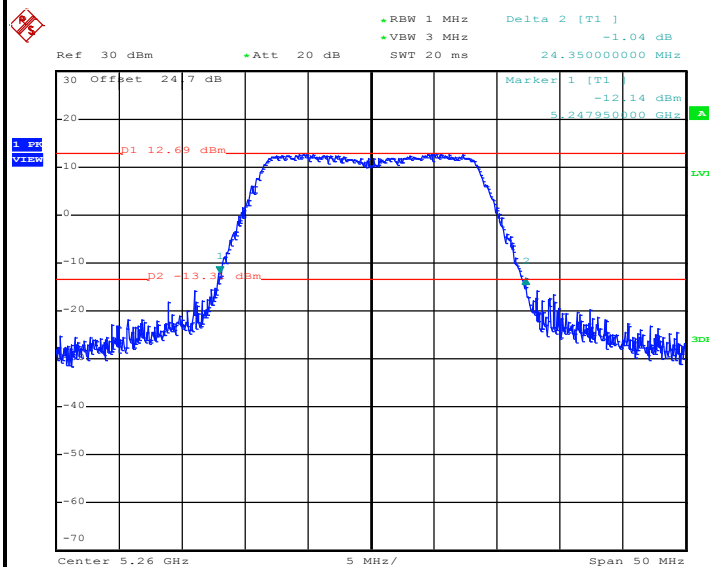
26dB Bandwidth Plot on Channel 48



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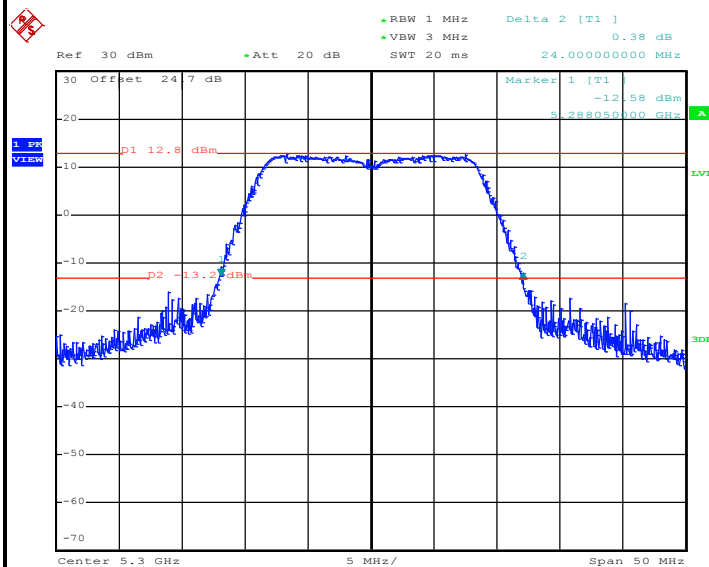


26dB Bandwidth Plot on Channel 52



Date: 5.FEB.2019 11:28:10

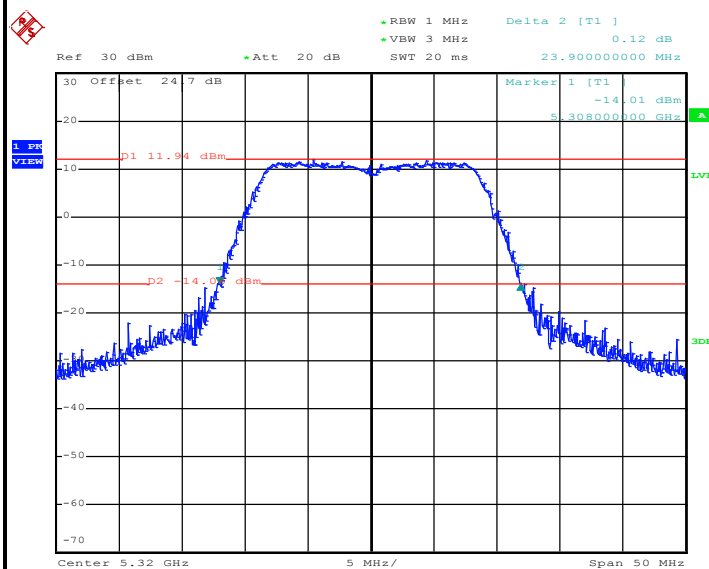
26dB Bandwidth Plot on Channel 60



Date: 5.FEB.2019 11:29:45

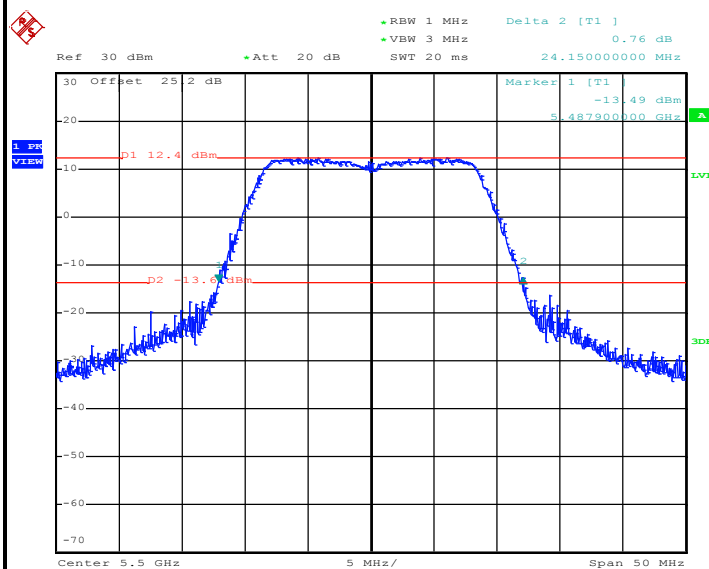


26dB Bandwidth Plot on Channel 64

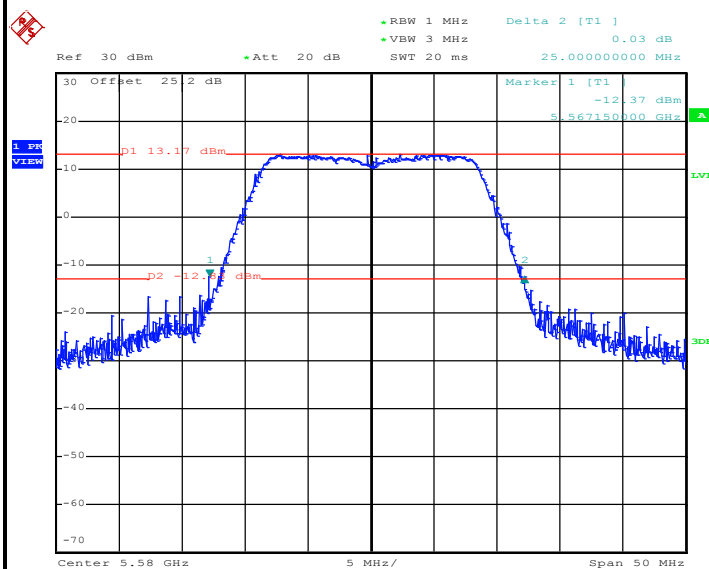


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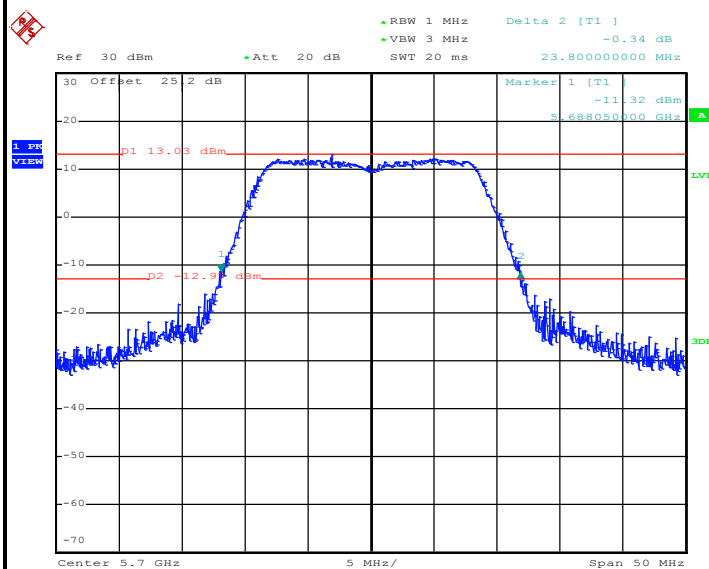
26dB Bandwidth Plot on Channel 100



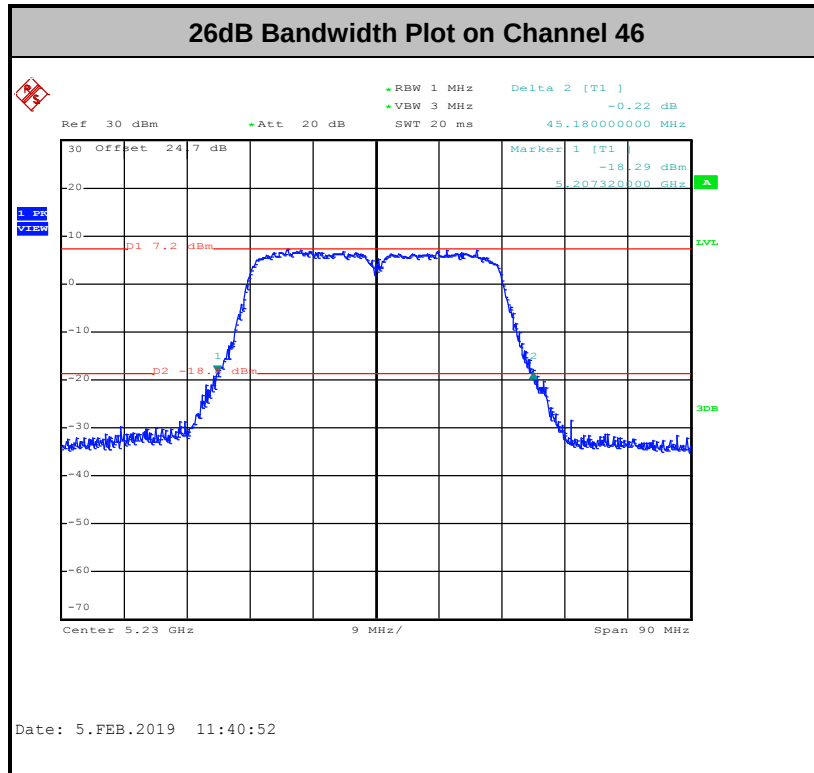
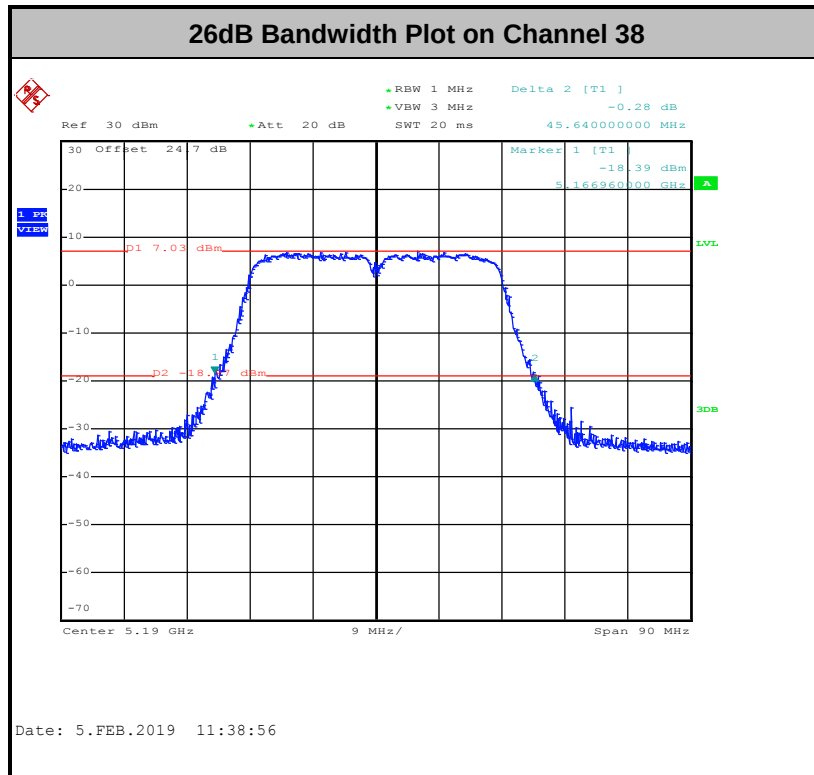
Date: 5.FEB.2019 11:33:16

26dB Bandwidth Plot on Channel 116


Date: 5.FEB.2019 11:34:55

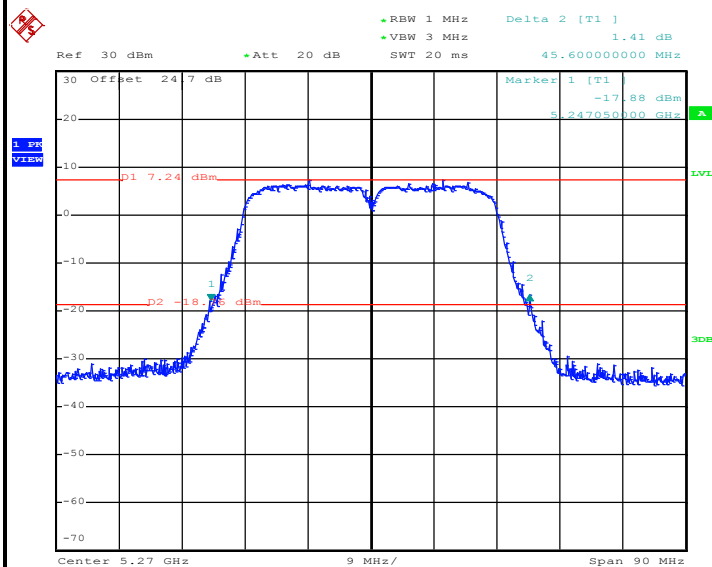
26dB Bandwidth Plot on Channel 140


Date: 5.FEB.2019 11:36:39

<802.11n HT40>


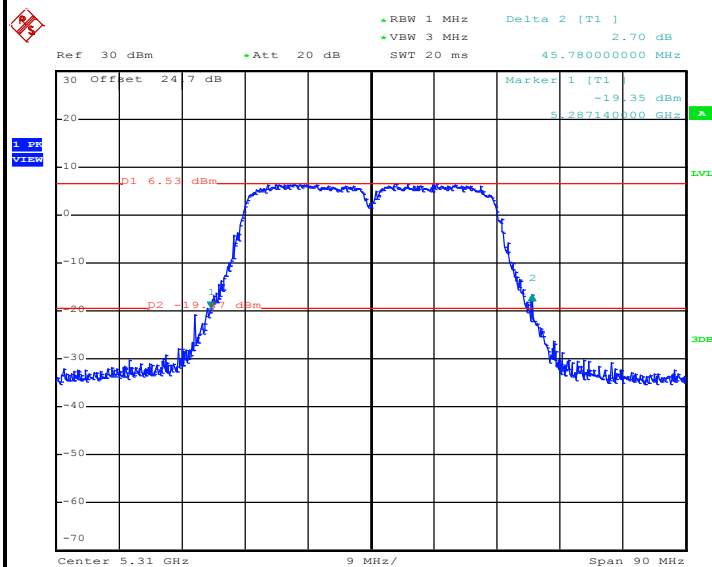


26dB Bandwidth Plot on Channel 54



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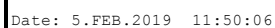
26dB Bandwidth Plot on Channel 62

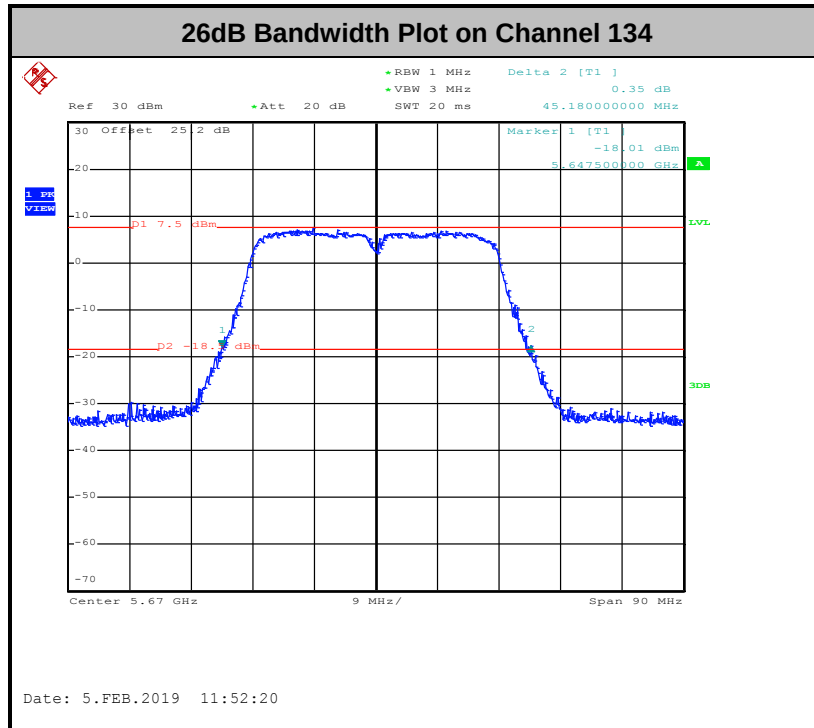


Date: 5.FEB.2019 11:46:09



26dB Bandwidth Plot on Channel 110



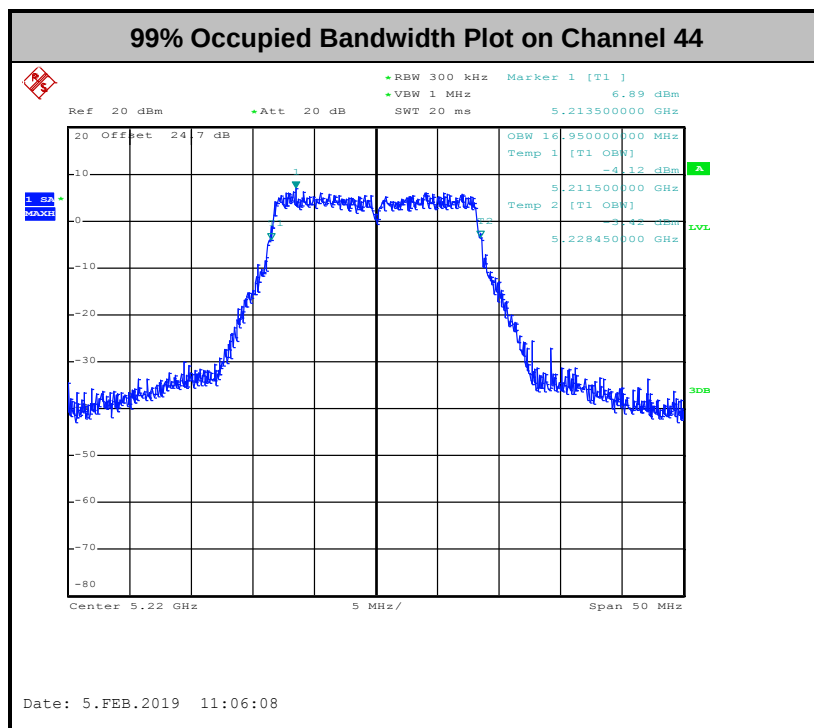
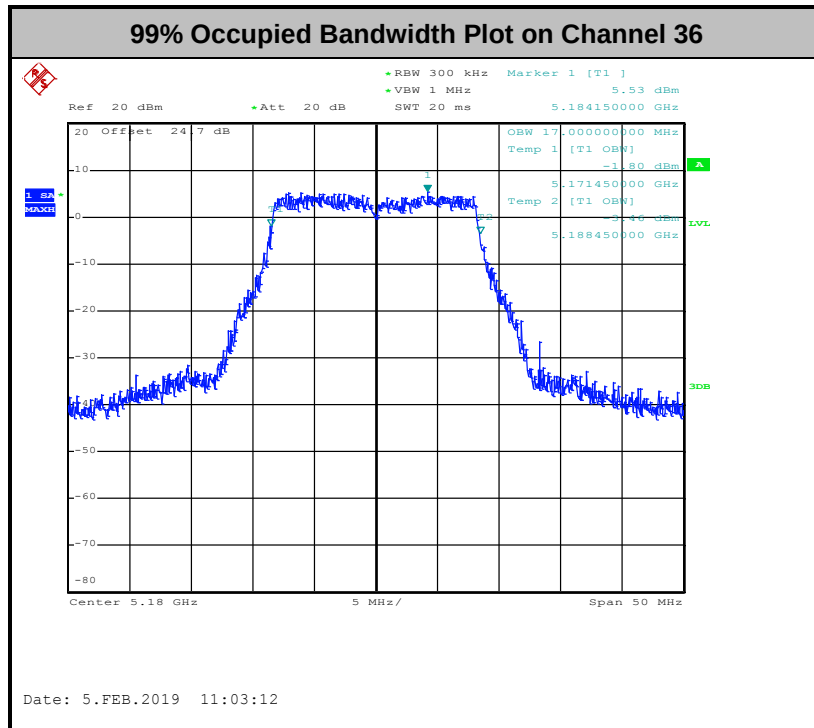




3.1.6 Test Result of 99% Occupied Bandwidth

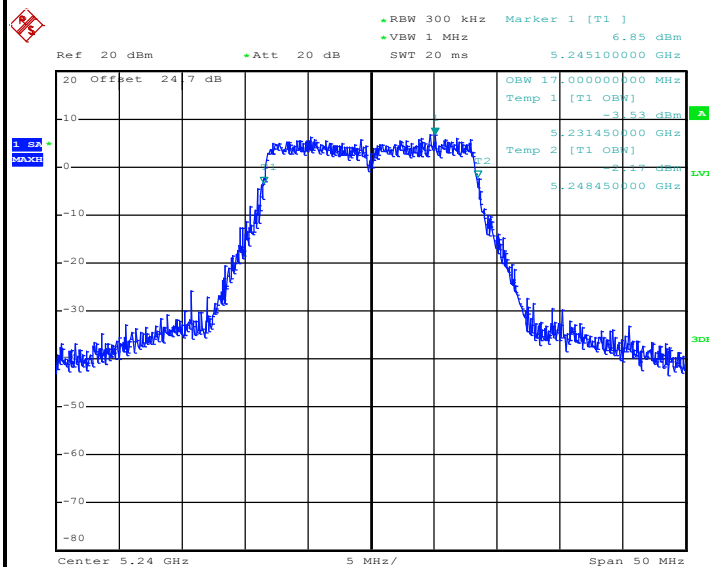
Please refer to Appendix A.

<802.11a>



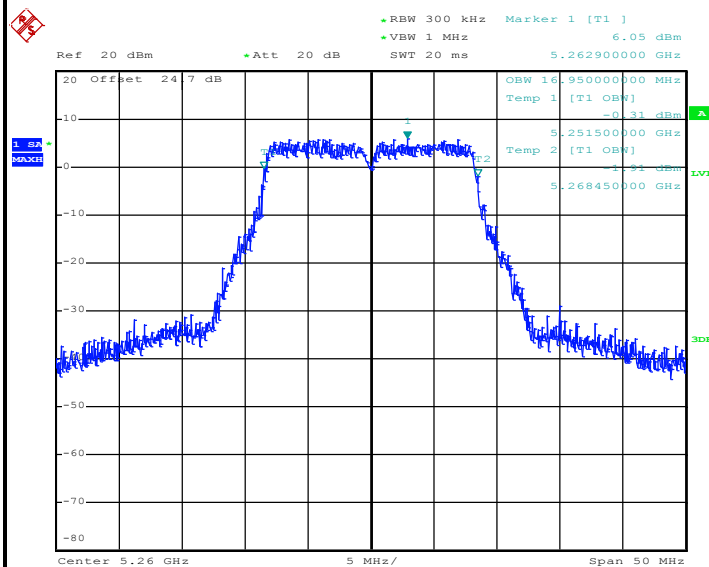


99% Occupied Bandwidth Plot on Channel 48



Date: 5.FEB.2019 11:08:09

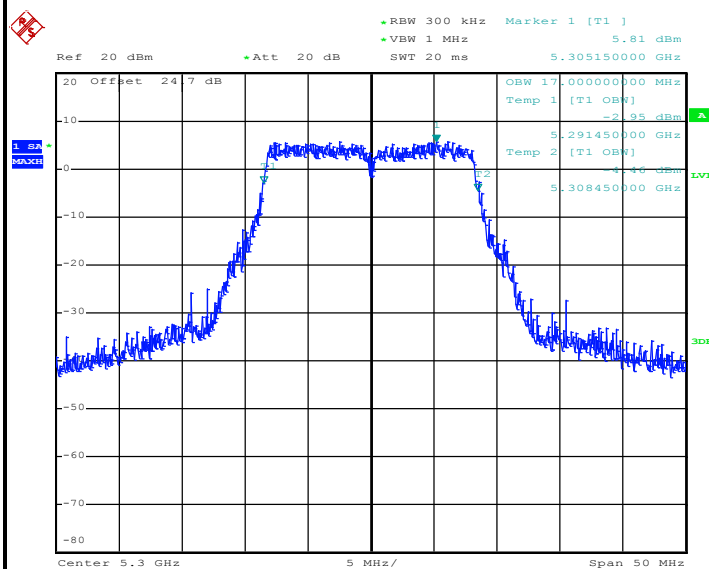
99% Occupied Bandwidth Plot on Channel 52



Date: 5.FEB.2019 11:10:34

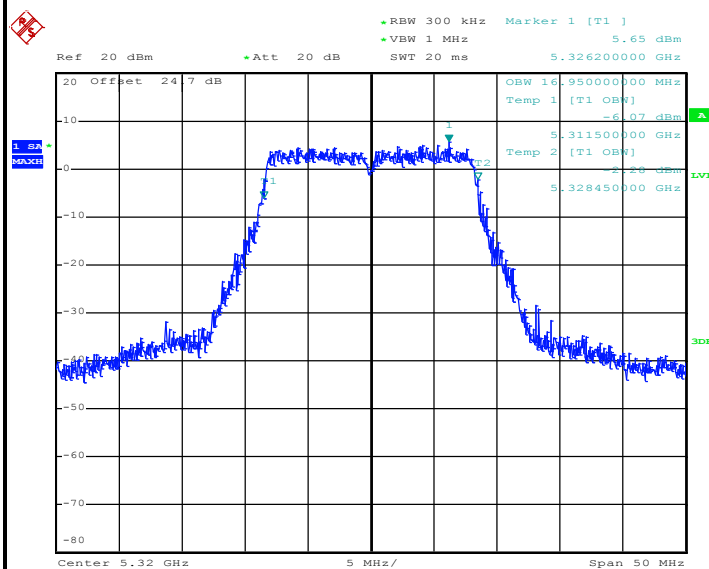


99% Occupied Bandwidth Plot on Channel 60



Date: 5.FEB.2019 11:13:00

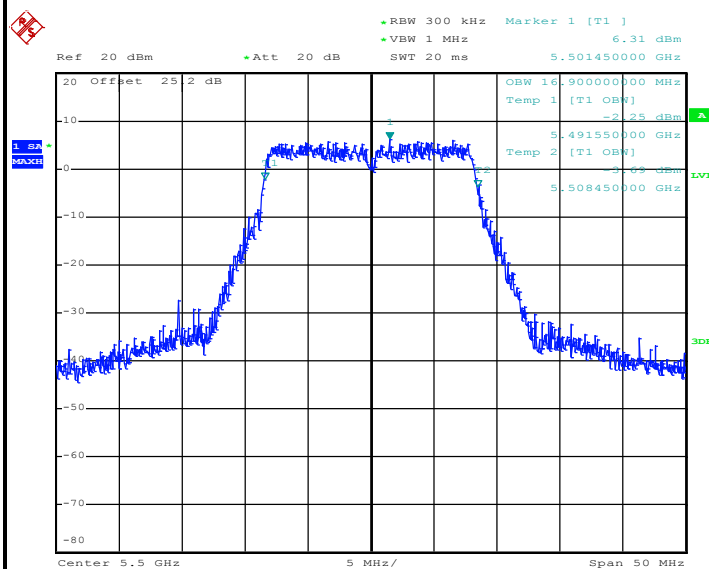
99% Occupied Bandwidth Plot on Channel 64



Date: 5.FEB.2019 11:15:00

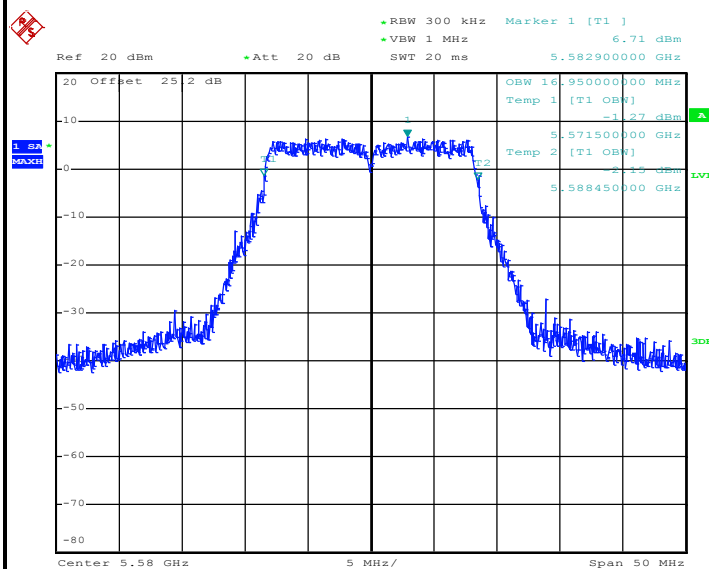


99% Occupied Bandwidth Plot on Channel 100

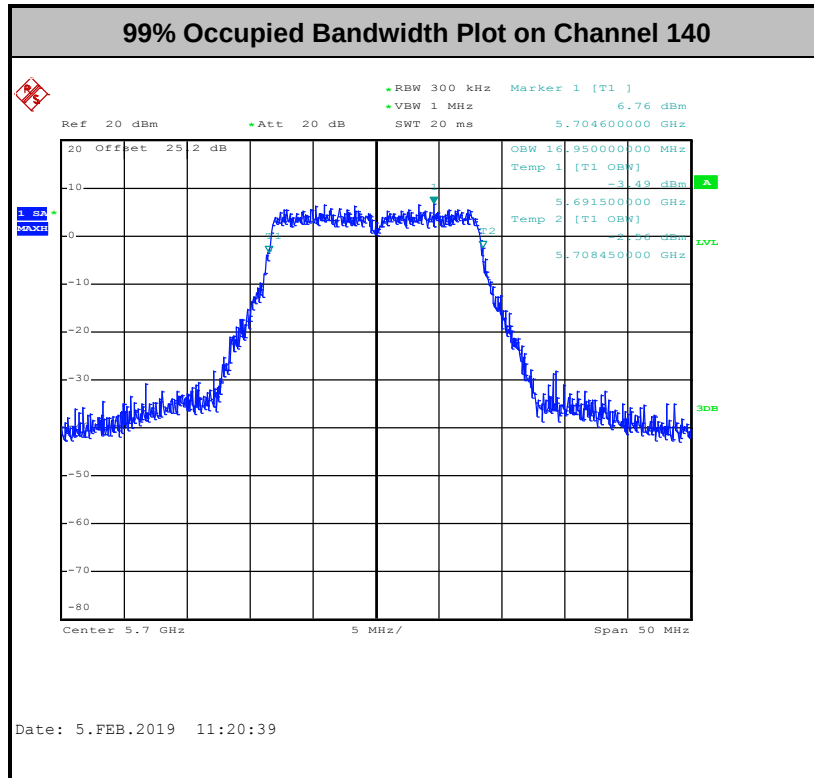


Date: 5.FEB.2019 11:17:09

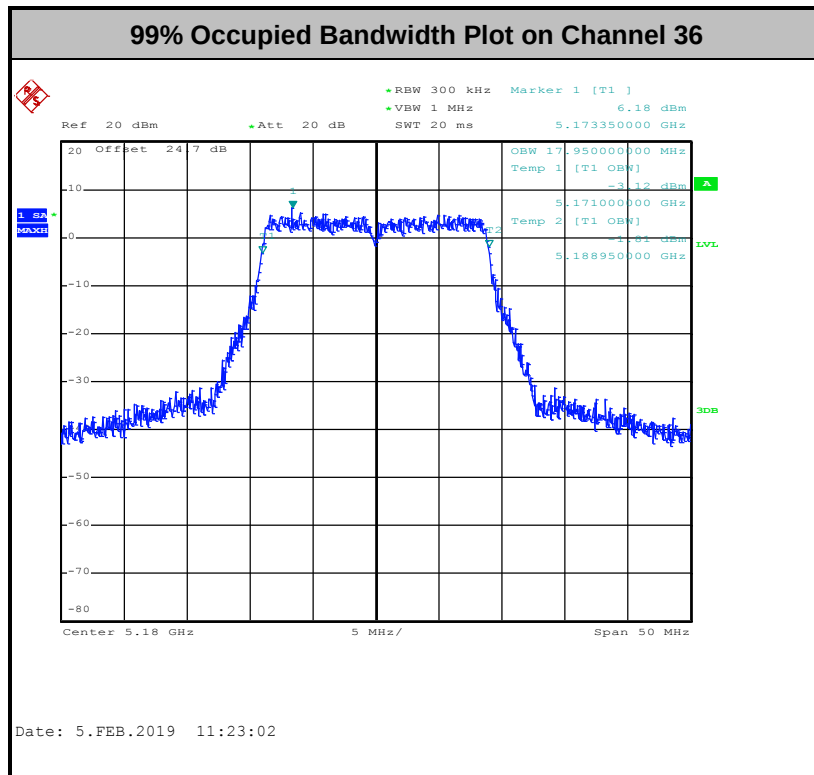
99% Occupied Bandwidth Plot on Channel 116



Date: 5.FEB.2019 11:19:02

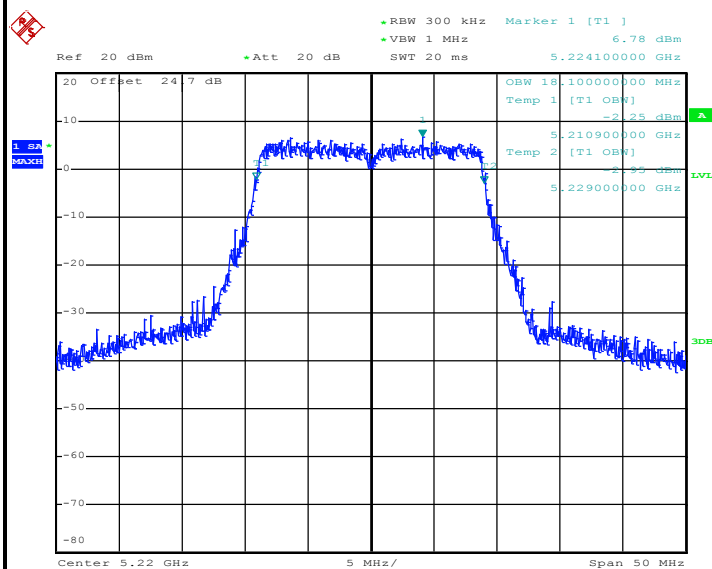


<802.11n HT20>



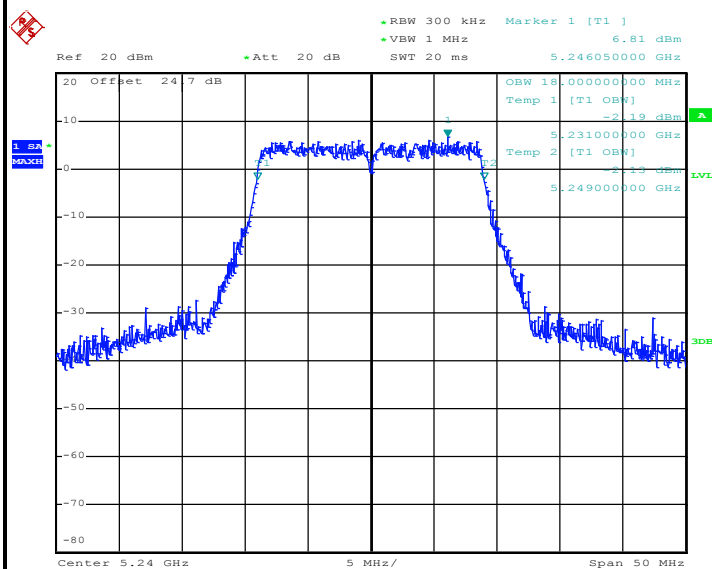


99% Occupied Bandwidth Plot on Channel 44



Date: 5.FEB.2019 11:24:43

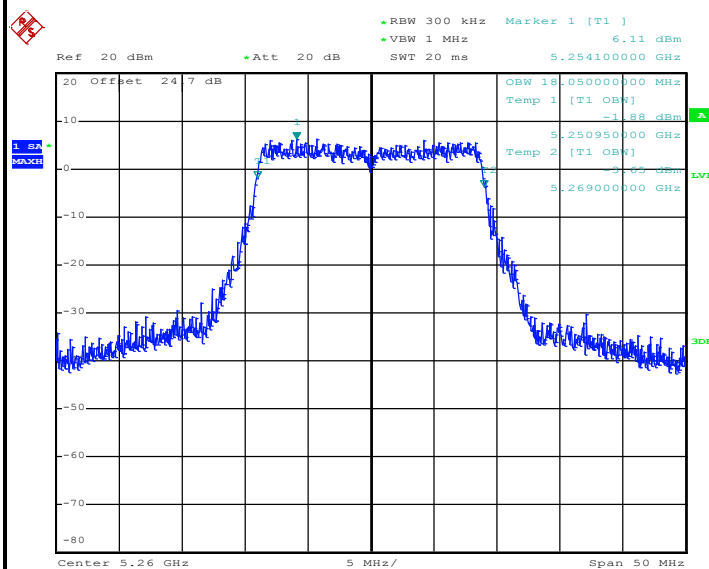
99% Occupied Bandwidth Plot on Channel 48



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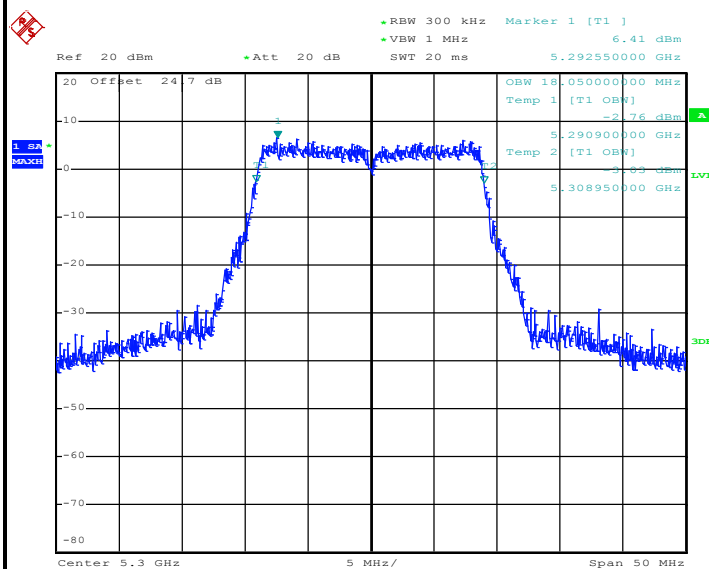


99% Occupied Bandwidth Plot on Channel 52



Date: 5.FEB.2019 11:28:43

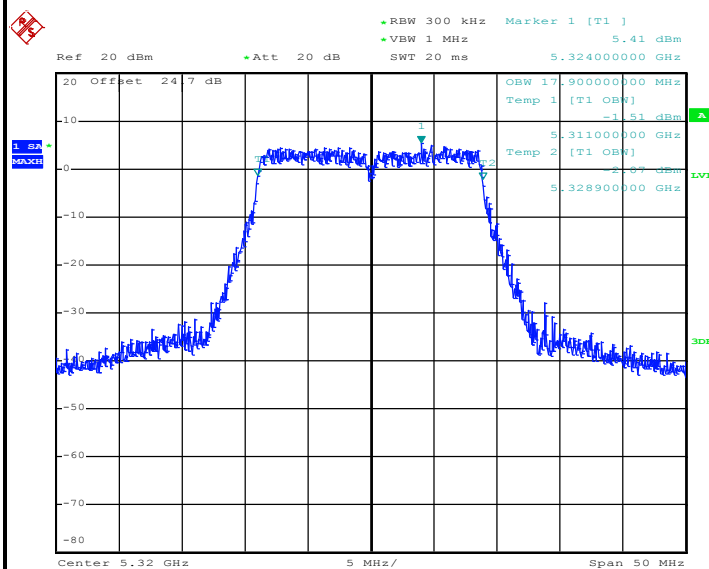
99% Occupied Bandwidth Plot on Channel 60



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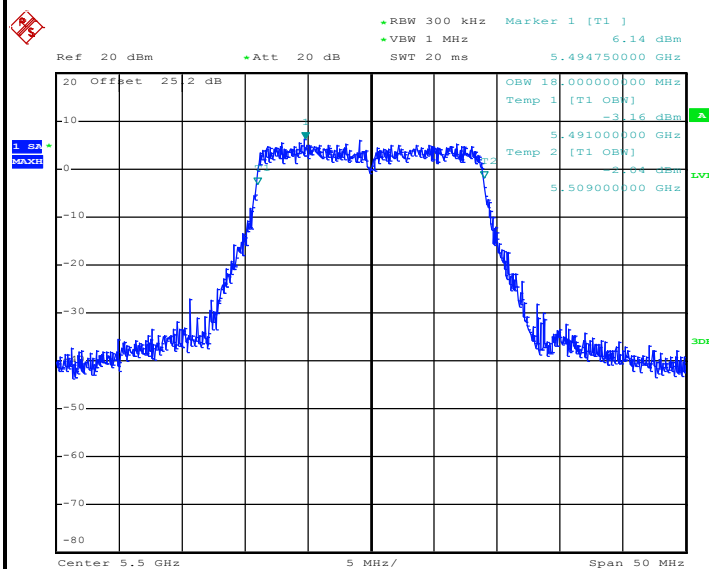


99% Occupied Bandwidth Plot on Channel 64



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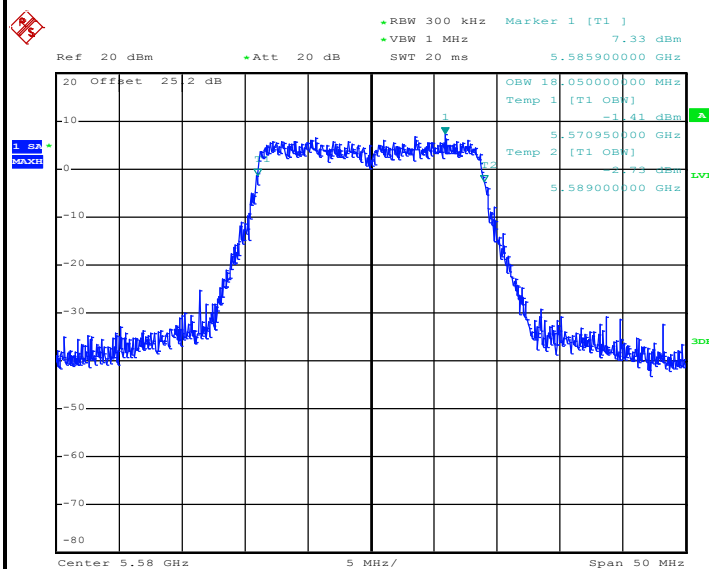
99% Occupied Bandwidth Plot on Channel 100



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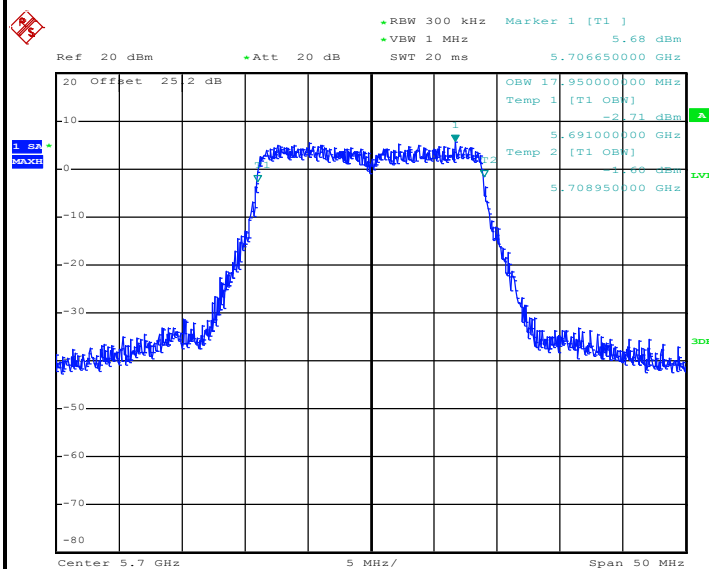


99% Occupied Bandwidth Plot on Channel 116



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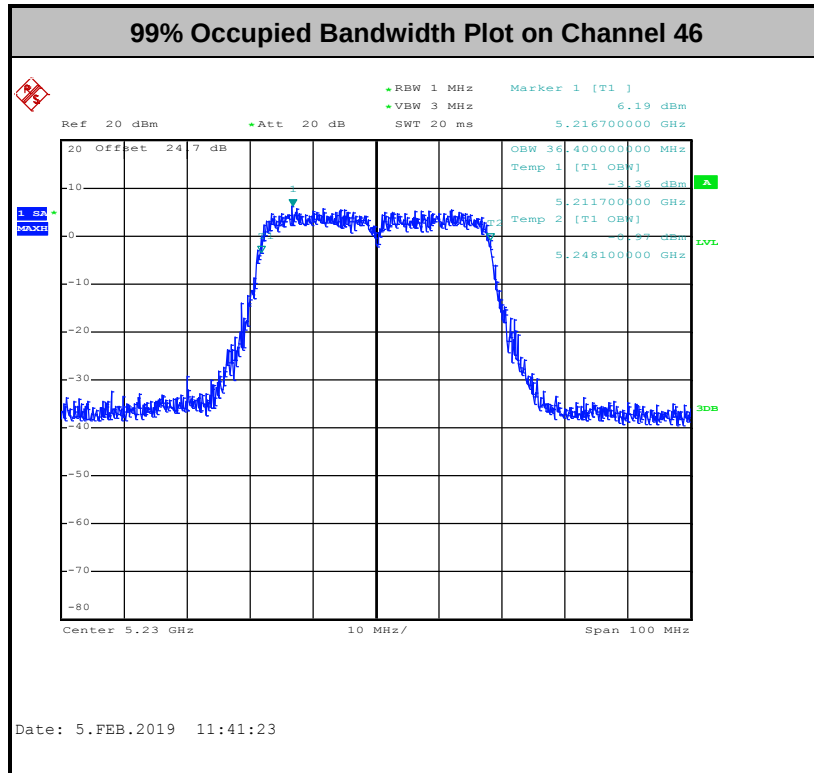
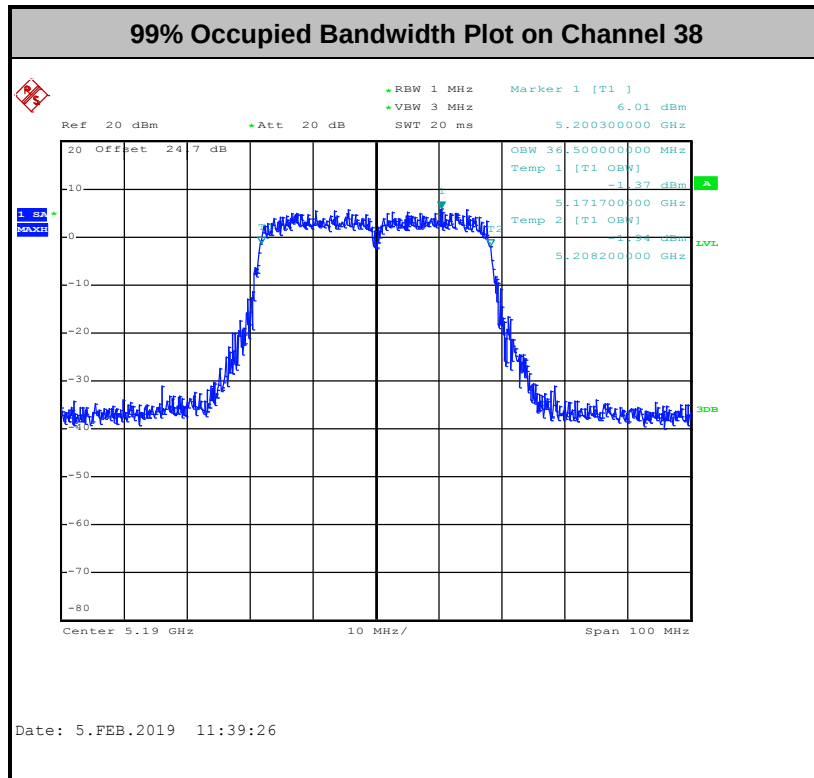
99% Occupied Bandwidth Plot on Channel 140



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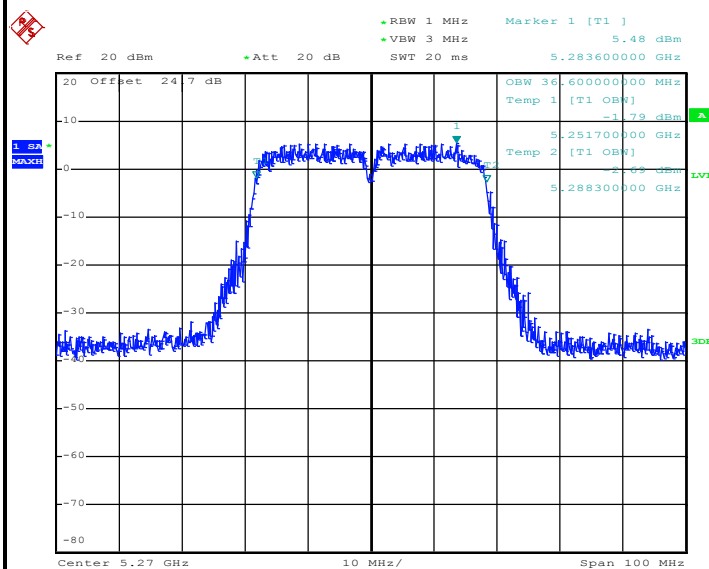


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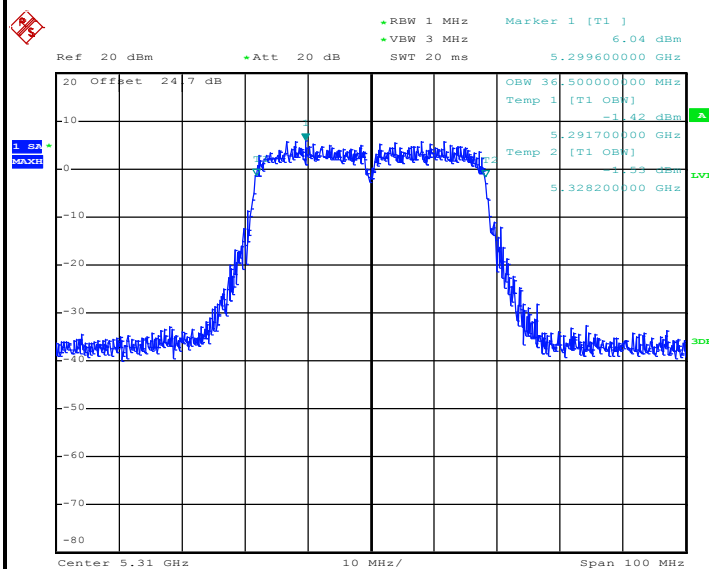


99% Occupied Bandwidth Plot on Channel 54



Date: 5.FEB.2019 11:43:10

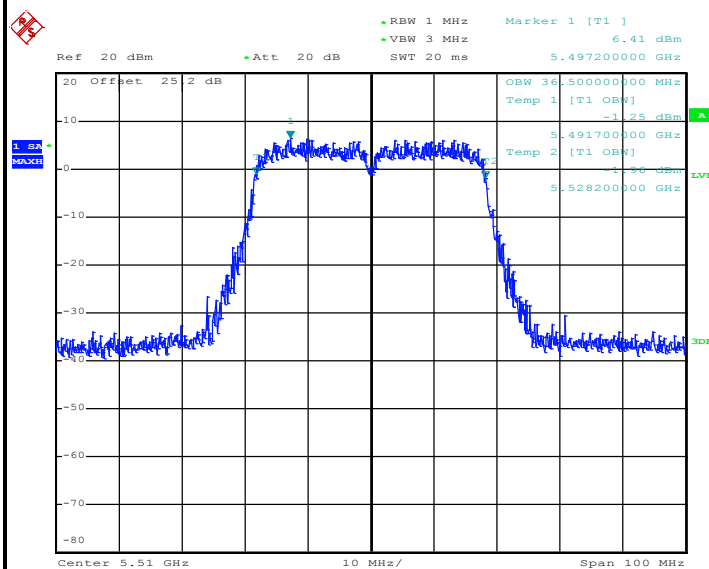
99% Occupied Bandwidth Plot on Channel 62



Date: 5.FEB.2019 11:46:40

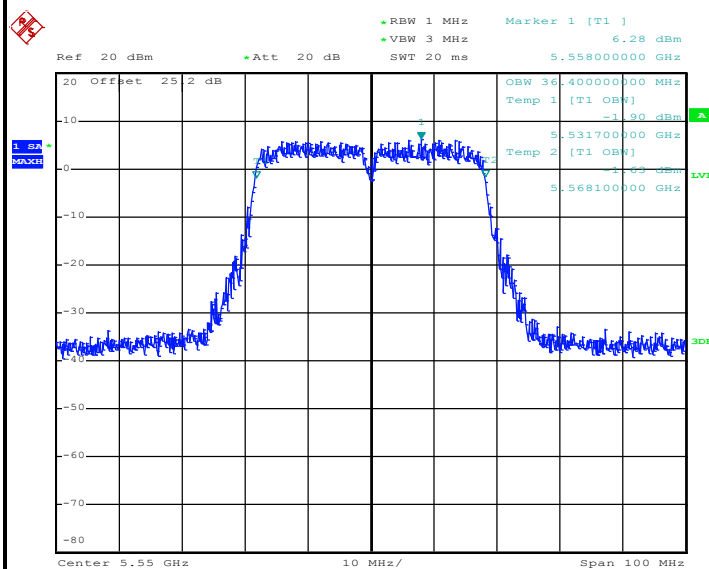


99% Occupied Bandwidth Plot on Channel 102

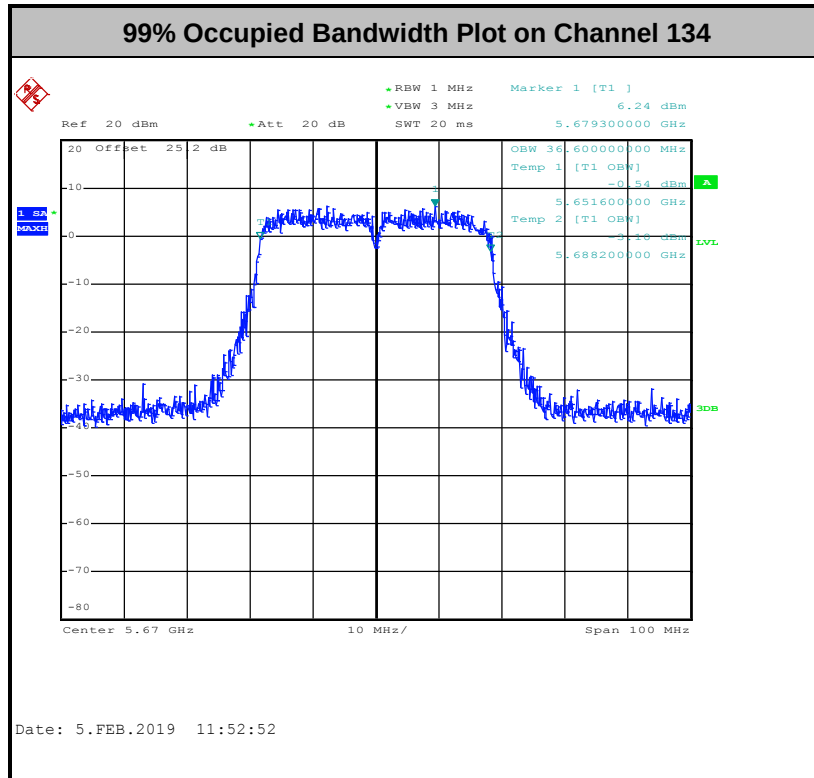


Date: 5.FEB.2019 11:48:57

99% Occupied Bandwidth Plot on Channel 110



Date: 5.FEB.2019 11:51:01



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

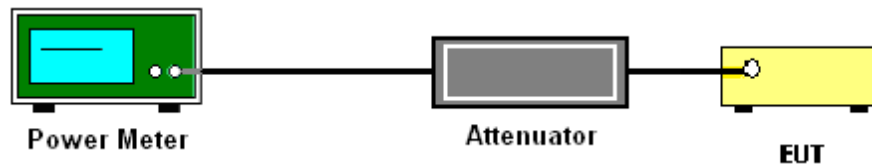
3.2.3 Test Procedures

The testing follows Method PM 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

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

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

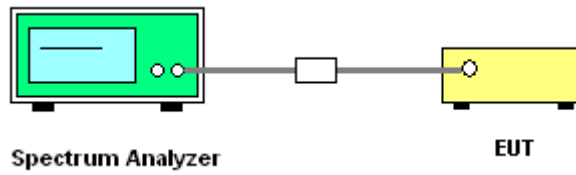
Section F) Maximum power spectral density.

Method SA-2

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

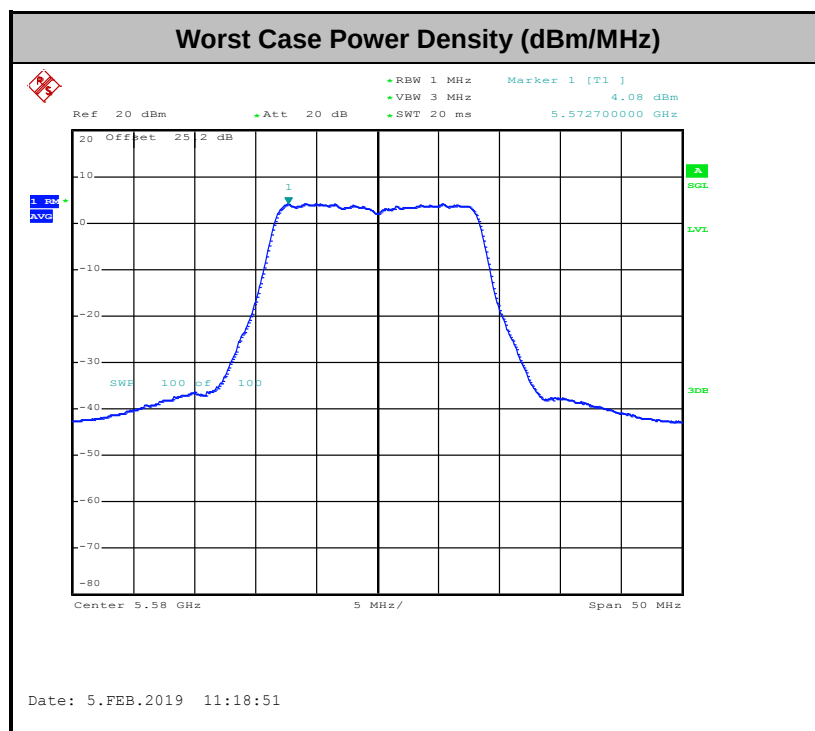
- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

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

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

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

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

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

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

- (i) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.³
- (ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.⁴

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

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

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

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

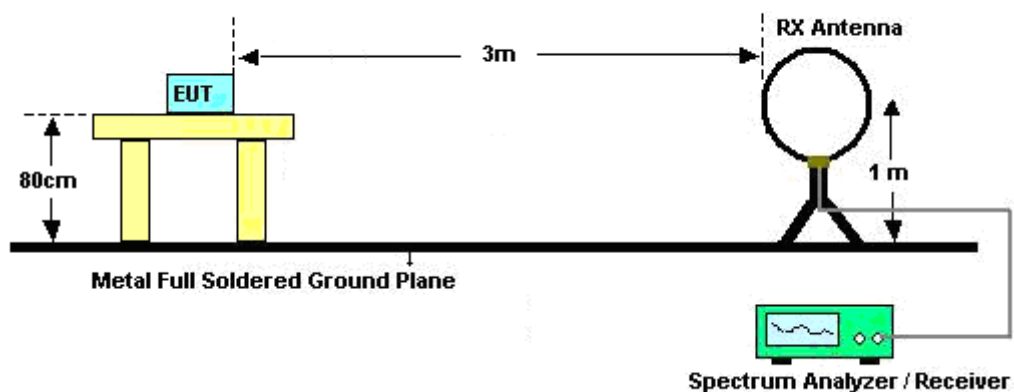
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

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

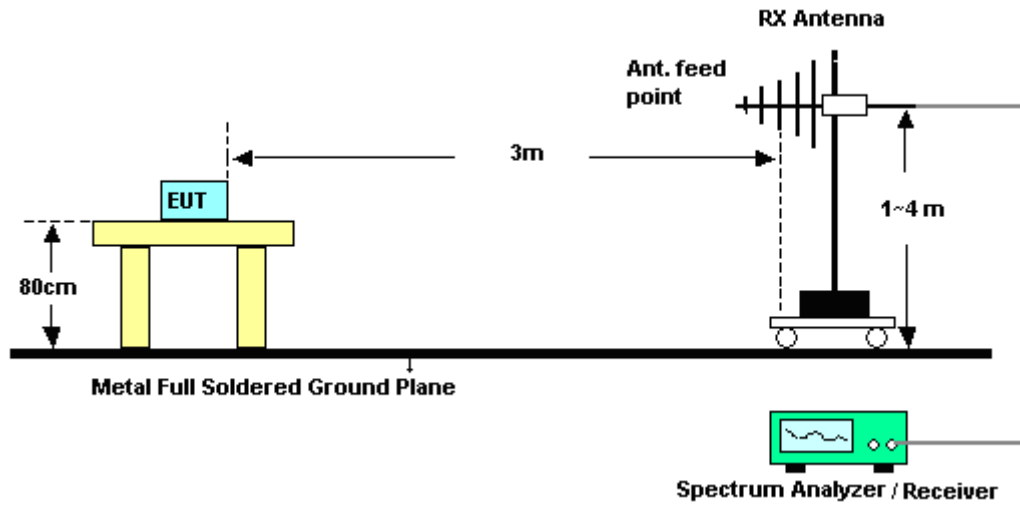
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

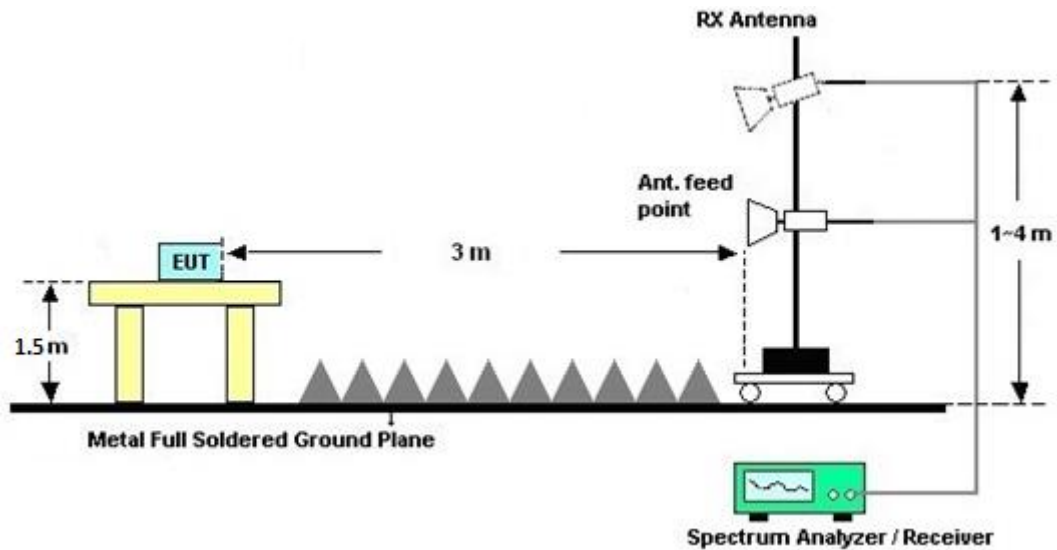
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

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



3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

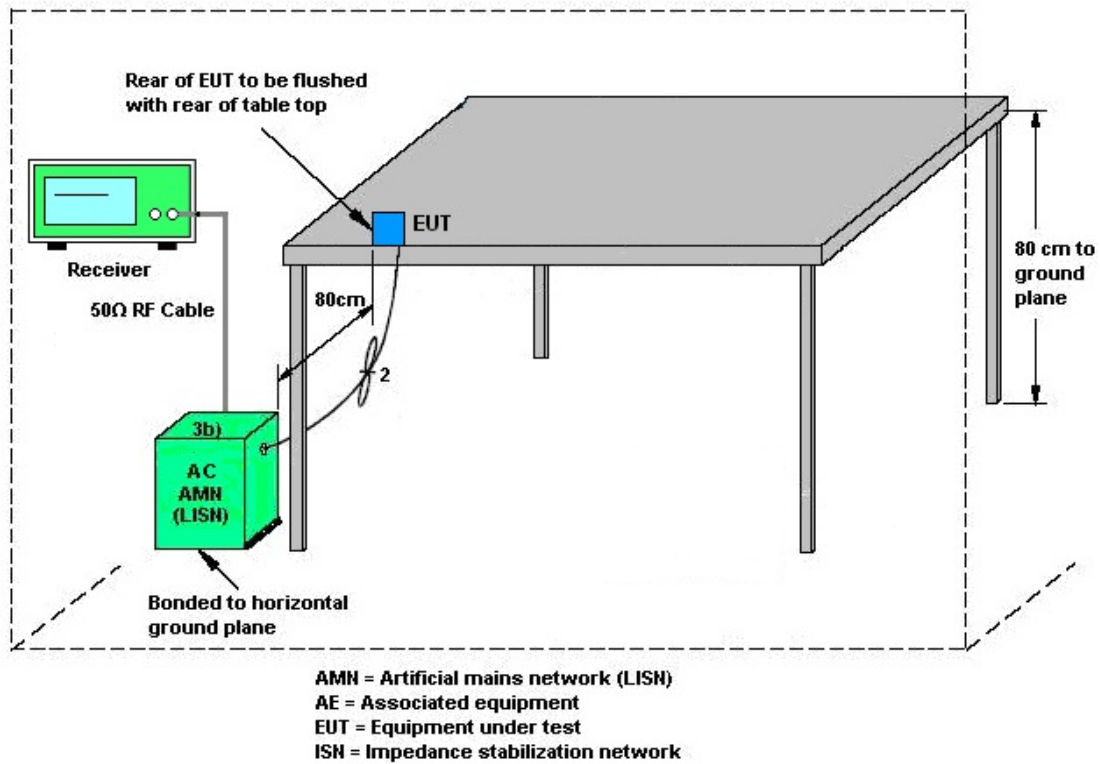
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

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



3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 29, 2018	Feb. 02, 2019~ Feb. 12, 2019	Mar. 28, 2019	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Feb. 02, 2019~ Feb. 12, 2019	Dec. 05, 2019	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&0 0802N1D01N- 06	47020&06	30MHz to 1GHz	Oct. 13, 2018	Feb. 02, 2019~ Feb. 12, 2019	Oct. 12, 2019	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	9120D-162 0	1G~18GHz	Oct. 17, 2018	Feb. 02, 2019~ Feb. 12, 2019	Oct. 16, 2019	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 576	18GHz ~ 40GHz	May 08, 2018	Feb. 02, 2019~ Feb. 12, 2019	May 07, 2019	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 28, 2018	Feb. 02, 2019~ Feb. 12, 2019	Dec. 27, 2019	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	171000180 00550006	1GHz~18GHz	Jul. 10, 2018	Feb. 02, 2019~ Feb. 12, 2019	Jul. 09, 2019	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY532701 95	1GHz~26.5GHz	Aug. 23, 2018	Feb. 02, 2019~ Feb. 12, 2019	Aug. 22, 2019	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY541300 85	20Hz ~ 8.4GHz	Nov. 01, 2018	Feb. 02, 2019~ Feb. 12, 2019	Oct. 31, 2019	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY501801 36	3Hz~44GHz	Apr. 25, 2018	Feb. 02, 2019~ Feb. 12, 2019	Apr. 24, 2019	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 02, 2019~ Feb. 12, 2019	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 02, 2019~ Feb. 12, 2019	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24	RK-00045 1	N/A	N/A	Feb. 02, 2019~ Feb. 12, 2019	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/ 4	30M-18G	Apr. 16, 2018	Feb. 02, 2019~ Feb. 12, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4	30M-18G	Apr. 16, 2018	Feb. 02, 2019~ Feb. 12, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	MTJ	000000-M T18A-100 D3210	30M-18G	Apr. 16, 2018	Feb. 02, 2019~ Feb. 12, 2019	Apr. 15, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 14, 2018	Feb. 02, 2019~ Feb. 12, 2019	Mar. 13, 2019	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz-40GHz	Mar. 14, 2018	Feb. 02, 2019~ Feb. 12, 2019	Mar. 13, 2019	Radiation (03CH15-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000 -40ST	SN3	6.75 GHz High pass	Sep. 16, 2018	Feb. 02, 2019~ Feb. 12, 2019	Sep. 15, 2019	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN11	1G Low Pass	Sep. 16, 2018	Feb. 02, 2019~ Feb. 12, 2019	Sep. 15, 2019	Radiation (03CH15-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RadiPower	15I00041S NO09	10MHz~6GHz	May 07, 2018	Jan. 24, 2019~ Feb. 05, 2019	May 06, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 21, 2018	Jan. 24, 2019~ Feb. 05, 2019	Nov. 20, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC130048 4	N/A	Mar. 01, 2018	Jan. 24, 2019~ Feb. 05, 2019	Feb. 28, 2019	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 10, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Feb. 10, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Feb. 10, 2019	Nov. 13, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 09, 2018	Feb. 10, 2019	Nov. 08, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 10, 2019	N/A	Conduction (CO05-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Sep. 14, 2018	Feb. 10, 2019	Sep. 13, 2019	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 08, 2018	Feb. 10, 2019	Nov. 07, 2019	Conduction (CO05-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.2
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.5
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Richard Qiu / Allen Lin	Temperature:	21~25	°C
Test Date:	2019/1/24~2019/2/5	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		-	Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	17.00	-	23.70	-	-	-	22.30	-		
11a	6Mbps	1	44	5220	16.95	-	23.85	-	-	-	22.29	-		
11a	6Mbps	1	48	5240	17.00	-	23.80	-	-	-	22.30	-		
HT20	MCS0	1	36	5180	17.95	-	24.25	-	-	-	22.54	-		
HT20	MCS0	1	44	5220	18.10	-	24.10	-	-	-	22.58	-		
HT20	MCS0	1	48	5240	18.00	-	25.30	-	-	-	22.55	-		
HT40	MCS0	1	38	5190	36.50	-	45.64	-	-	-	23.01	-		
HT40	MCS0	1	46	5230	36.40	-	45.18	-	-	-	23.01	-		

TEST RESULTS DATA
Average Power Table

FCC Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		-	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	15.10	-		24.00	-	2.00	-		Pass
11a	6Mbps	1	44	5220	16.20	-		24.00	-	2.00	-		Pass
11a	6Mbps	1	48	5240	16.10	-		24.00	-	2.00	-		Pass
HT20	MCS0	1	36	5180	15.20	-		24.00	-	2.00	-		Pass
HT20	MCS0	1	44	5220	16.20	-		24.00	-	2.00	-		Pass
HT20	MCS0	1	48	5240	16.20	-		24.00	-	2.00	-		Pass
HT40	MCS0	1	38	5190	12.90	-		24.00	-	2.00	-		Pass
HT40	MCS0	1	46	5230	12.90	-		24.00	-	2.00	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	0.00	-	2.95	-		11.00	-	2.00	-		Pass
11a	6Mbps	1	44	5220	0.00	-	3.90	-		11.00	-	2.00	-		Pass
11a	6Mbps	1	48	5240	0.00	-	3.74	-		11.00	-	2.00	-		Pass
HT20	MCS0	1	36	5180	0.00	-	2.57	-		11.00	-	2.00	-		Pass
HT20	MCS0	1	44	5220	0.00	-	3.55	-		11.00	-	2.00	-		Pass
HT20	MCS0	1	48	5240	0.00	-	3.59	-		11.00	-	2.00	-		Pass
HT40	MCS0	1	38	5190	0.08	-	-3.04	-		11.00	-	2.00	-		Pass
HT40	MCS0	1	46	5230	0.08	-	-2.82	-		11.00	-	2.00	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.95	-	23.85	-	23.29	-	29.29	-	23.98	-	
11a	6Mbps	1	60	5300	17.00	-	23.80	-	23.30	-	29.30	-	23.98	-	
11a	6Mbps	1	64	5320	16.95	-	23.95	-	23.29	-	29.29	-	23.98	-	
HT20	MCS0	1	52	5260	18.05	-	24.35	-	23.56	-	29.56	-	23.98	-	
HT20	MCS0	1	60	5300	18.05	-	24.00	-	23.56	-	29.56	-	23.98	-	
HT20	MCS0	1	64	5320	17.90	-	23.90	-	23.53	-	29.53	-	23.98	-	
HT40	MCS0	1	54	5270	36.60	-	45.60	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.50	-	45.78	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC Band II													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	16.20	-		23.98	-	2.00	-	26.99	Pass
11a	6Mbps	1	60	5300	16.20	-		23.98	-	2.00	-	26.99	Pass
11a	6Mbps	1	64	5320	15.10	-		23.98	-	2.00	-	26.99	Pass
HT20	MCS0	1	52	5260	16.20	-		23.98	-	2.00	-	26.99	Pass
HT20	MCS0	1	60	5300	16.20	-		23.98	-	2.00	-	26.99	Pass
HT20	MCS0	1	64	5320	15.10	-		23.98	-	2.00	-	26.99	Pass
HT40	MCS0	1	54	5270	12.90	-		23.98	-	2.00	-	26.99	Pass
HT40	MCS0	1	62	5310	12.90	-		23.98	-	2.00	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.00	-	3.44	-		11.00	-	2.00	-		Pass
11a	6Mbps	1	60	5300	0.00	-	3.60	-		11.00	-	2.00	-		Pass
11a	6Mbps	1	64	5320	0.00	-	2.59	-		11.00	-	2.00	-		Pass
HT20	MCS0	1	52	5260	0.00	-	3.33	-		11.00	-	2.00	-		Pass
HT20	MCS0	1	60	5300	0.00	-	3.34	-		11.00	-	2.00	-		Pass
HT20	MCS0	1	64	5320	0.00	-	2.23	-		11.00	-	2.00	-		Pass
HT40	MCS0	1	54	5270	0.08	-	-2.93	-		11.00	-	2.00	-		Pass
HT40	MCS0	1	62	5310	0.08	-	-2.91	-		11.00	-	2.00	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.90	-	23.70	-	23.28	-	29.28	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.95	-	23.90	-	23.29	-	29.29	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.95	-	24.75	-	23.29	-	29.29	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.00	-	24.15	-	23.55	-	29.55	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.05	-	25.00	-	23.56	-	29.56	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.95	-	23.80	-	23.54	-	29.54	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.50	-	45.36	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.40	-	45.23	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.60	-	45.18	-	23.98	-	30.00	-	23.98	-	----	----

TEST RESULTS DATA
Average Power Table

FCC Band III													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	15.20	-		23.98	-	2.00	-	26.99	Pass
11a	6Mbps	1	116	5580	16.10	-		23.98	-	2.00	-	26.99	Pass
11a	6Mbps	1	140	5700	15.30	-		23.98	-	2.00	-	26.99	Pass
HT20	MCS0	1	100	5500	15.10	-		23.98	-	2.00	-	26.99	Pass
HT20	MCS0	1	116	5580	16.10	-		23.98	-	2.00	-	26.99	Pass
HT20	MCS0	1	140	5700	15.30	-		23.98	-	2.00	-	26.99	Pass
HT40	MCS0	1	102	5510	12.70	-		23.98	-	2.00	-	26.99	Pass
HT40	MCS0	1	110	5550	12.90	-		23.98	-	2.00	-	26.99	Pass
HT40	MCS0	1	134	5670	12.80	-		23.98	-	2.00	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		-	Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.00	-	3.31	-		11.00	-	2.00	-		Pass
11a	6Mbps	1	116	5580	0.00	-	4.08	-		11.00	-	2.00	-		Pass
11a	6Mbps	1	140	5700	0.00	-	3.38	-		11.00	-	2.00	-		Pass
HT20	MCS0	1	100	5500	0.00	-	3.03	-		11.00	-	2.00	-		Pass
HT20	MCS0	1	116	5580	0.00	-	3.81	-		11.00	-	2.00	-		Pass
HT20	MCS0	1	140	5700	0.00	-	2.75	-		11.00	-	2.00	-		Pass
HT40	MCS0	1	102	5510	0.08	-	-2.58	-		11.00	-	2.00	-		Pass
HT40	MCS0	1	110	5550	0.08	-	-2.50	-		11.00	-	2.00	-		Pass
HT40	MCS0	1	134	5670	0.08	-	-2.55	-		11.00	-	2.00	-		Pass



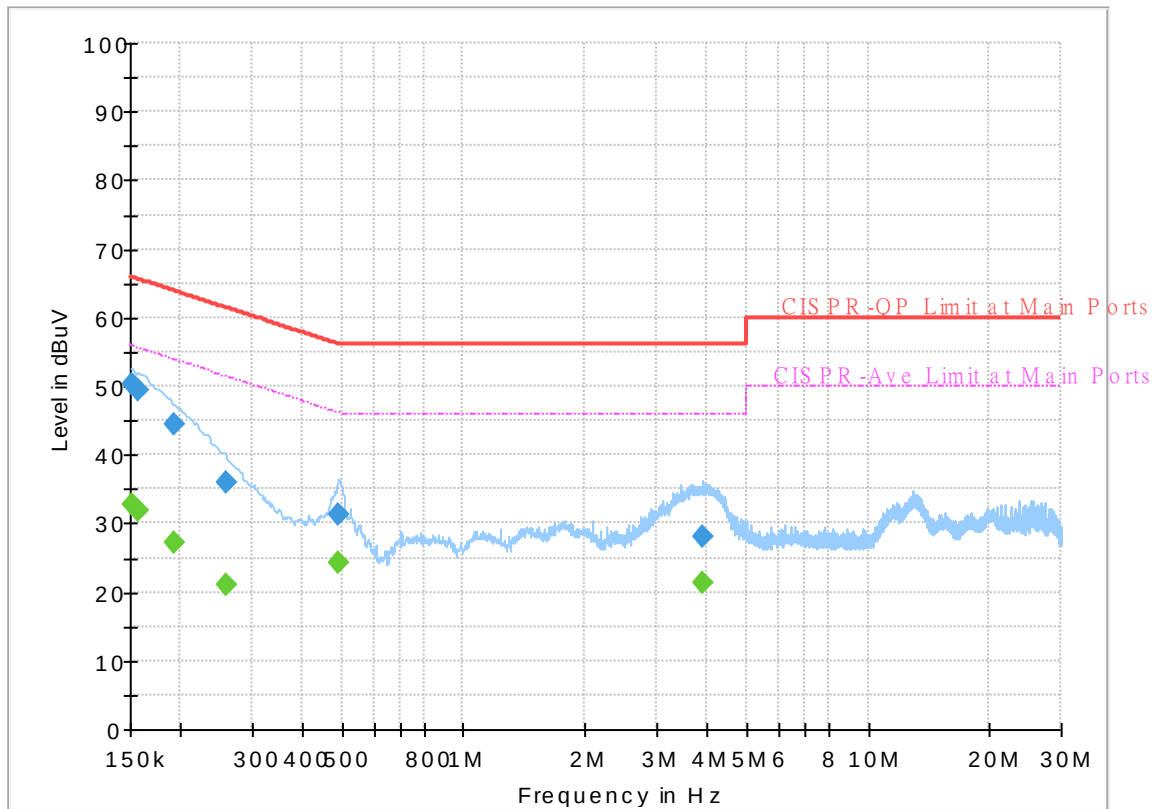
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Eric Jeng	Temperature :	22~25°C
		Relative Humidity :	52~55%

EUT Information

Report NO : 911608
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



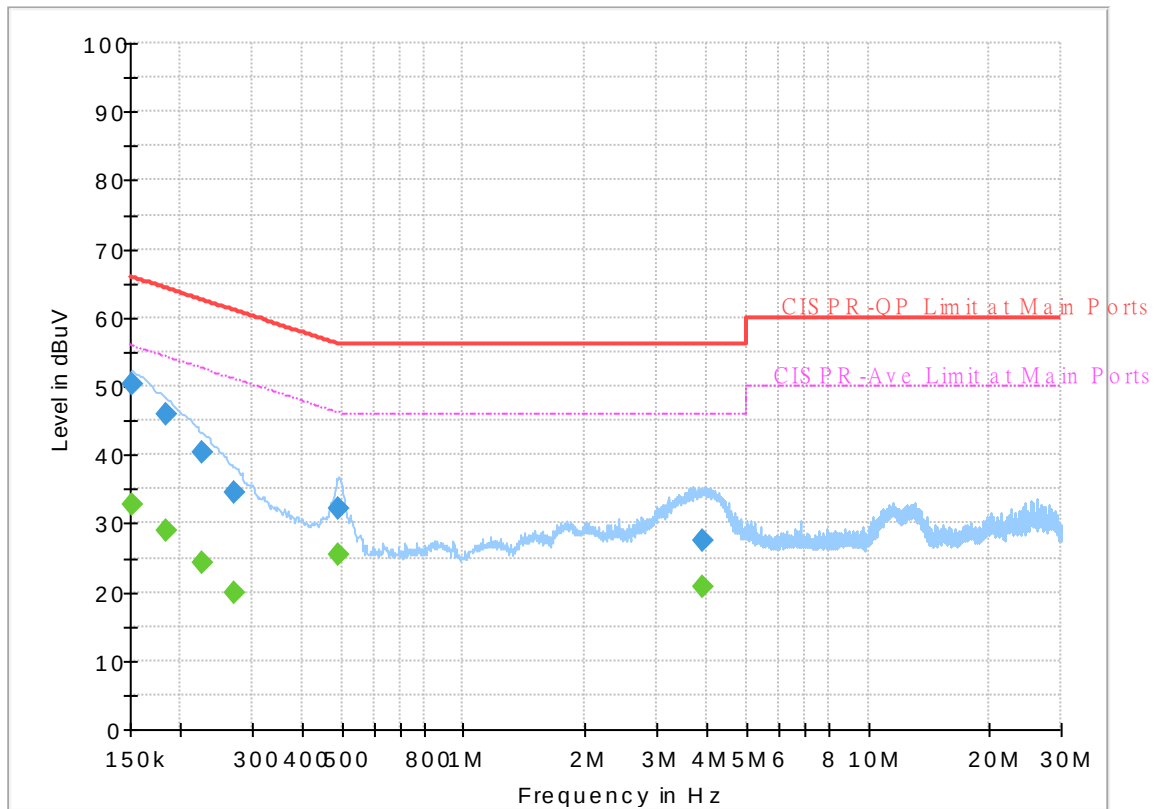
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.65	55.88	23.23	L1	OFF	19.5
0.152250	50.29	---	65.88	15.59	L1	OFF	19.5
0.156750	---	31.85	55.63	23.78	L1	OFF	19.5
0.156750	49.37	---	65.63	16.26	L1	OFF	19.5
0.192750	---	27.26	53.92	26.66	L1	OFF	19.5
0.192750	44.31	---	63.92	19.61	L1	OFF	19.5
0.260250	---	21.09	51.42	30.33	L1	OFF	19.5
0.260250	35.85	---	61.42	25.57	L1	OFF	19.5
0.492000	---	24.33	46.13	21.80	L1	OFF	19.5
0.492000	31.35	---	56.13	24.78	L1	OFF	19.5
3.885000	---	21.25	46.00	24.75	L1	OFF	19.6
3.885000	28.02	---	56.00	27.98	L1	OFF	19.6

EUT Information

Report NO : 911608
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	32.68	55.88	23.20	N	OFF	19.5
0.152250	50.19	---	65.88	15.69	N	OFF	19.5
0.183750	---	28.83	54.31	25.48	N	OFF	19.5
0.183750	46.00	---	64.31	18.31	N	OFF	19.5
0.226500	---	24.38	52.58	28.20	N	OFF	19.5
0.226500	40.33	---	62.58	22.25	N	OFF	19.5
0.271500	---	20.02	51.07	31.05	N	OFF	19.5
0.271500	34.43	---	61.07	26.64	N	OFF	19.5
0.492000	---	25.38	46.13	20.75	N	OFF	19.5
0.492000	32.08	---	56.13	24.05	N	OFF	19.5
3.923250	---	20.77	46.00	25.23	N	OFF	19.6
3.923250	27.52	---	56.00	28.48	N	OFF	19.6



Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou and Bigshow Wang	Temperature :	24~26°C
		Relative Humidity :	47~58%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5124.54	50.55	-23.45	74	40.2	31.83	8.62	30.1	100	131	P	H
		5127.66	43.1	-10.9	54	32.75	31.83	8.62	30.1	100	131	A	H
	*	5180	104.89	-	-	94.67	31.67	8.65	30.1	100	131	P	H
	*	5180	95.95	-	-	85.73	31.67	8.65	30.1	100	131	A	H
													H
													H
		5127.66	50.21	-23.79	74	39.86	31.83	8.62	30.1	115	181	P	V
		5127.66	42.11	-11.89	54	31.76	31.83	8.62	30.1	115	181	A	V
	*	5180	101.65	-	-	91.43	31.67	8.65	30.1	115	181	P	V
	*	5180	93.35	-	-	83.13	31.67	8.65	30.1	115	181	A	V
													V
													V
802.11a CH 44 5220MHz		5130	49.76	-24.24	74	39.41	31.83	8.62	30.1	101	131	P	H
		5083.72	39.69	-14.31	54	29.28	31.9	8.6	30.09	101	131	A	H
	*	5220	105.89	-	-	95.77	31.53	8.7	30.11	101	131	P	H
	*	5220	97.48	-	-	87.36	31.53	8.7	30.11	101	131	A	H
		5397	49.56	-24.44	74	38.99	31.6	9.1	30.13	101	131	P	H
		5459.44	39.76	-14.24	54	29.08	31.7	9.12	30.14	101	131	A	H
		5080.86	49.77	-24.23	74	39.36	31.9	8.6	30.09	283	343	P	V
		5088.14	39.56	-14.44	54	29.15	31.9	8.6	30.09	283	343	A	V
	*	5220	102.52	-	-	92.4	31.53	8.7	30.11	283	343	P	V
	*	5220	93.95	-	-	83.83	31.53	8.7	30.11	283	343	A	V
		5420.8	50.01	-23.99	74	39.4	31.63	9.11	30.13	283	343	P	V
		5458.6	39.65	-14.35	54	28.97	31.7	9.12	30.14	283	343	A	V



802.11a CH 48 5240MHz		5032.76	50.02	-23.98	74	39.72	31.8	8.58	30.08	100	130	P	H
		5053.3	39.7	-14.3	54	29.3	31.9	8.59	30.09	100	130	A	H
	*	5240	106.4	-	-	96.29	31.47	8.75	30.11	100	130	P	H
	*	5240	97.98	-	-	87.87	31.47	8.75	30.11	100	130	A	H
		5424.44	49.63	-24.37	74	39.02	31.63	9.11	30.13	100	130	P	H
		5459.72	39.67	-14.33	54	28.99	31.7	9.12	30.14	100	130	A	H
		5147.94	49.71	-24.29	74	39.38	31.8	8.63	30.1	282	342	P	V
		5089.96	39.62	-14.38	54	29.21	31.9	8.6	30.09	282	342	A	V
	*	5240	102.85	-	-	92.74	31.47	8.75	30.11	282	342	P	V
	*	5240	94.65	-	-	84.54	31.47	8.75	30.11	282	342	A	V
		5403.44	49.38	-24.62	74	38.8	31.6	9.11	30.13	282	342	P	V
		5458.88	39.8	-14.2	54	29.12	31.7	9.12	30.14	282	342	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	45.62	-22.58	68.2	54.27	39.37	13.33	61.35	100	0	P	H
		15540	45.84	-28.16	74	53.68	37.93	16.67	62.44	100	0	P	H
													H
													H
		10360	45.89	-22.31	68.2	54.54	39.37	13.33	61.35	100	0	P	V
		15540	44.8	-29.2	74	52.64	37.93	16.67	62.44	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.38	-21.82	68.2	54.96	39.53	13.38	61.49	100	0	P	H
		15660	44.04	-29.96	74	51.96	37.45	16.87	62.24	100	0	P	H
													H
													H
		10440	46.78	-21.42	68.2	55.36	39.53	13.38	61.49	100	0	P	V
		15660	45.39	-28.61	74	53.31	37.45	16.87	62.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	46.63	-21.57	68.2	55.21	39.58	13.4	61.56	100	0	P	H
		15720	45.05	-28.95	74	52.95	37.3	16.95	62.15	100	0	P	H
													H
													H
		10480	46.76	-21.44	68.2	55.34	39.58	13.4	61.56	100	0	P	V
		15720	44.87	-29.13	74	52.77	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5128.18	51.2	-22.8	74	40.85	31.83	8.62	30.1	100	132	P	H
		5128.18	43.52	-10.48	54	33.17	31.83	8.62	30.1	100	132	A	H
	*	5180	104.55	-	-	94.33	31.67	8.65	30.1	100	132	P	H
	*	5180	95.72	-	-	85.5	31.67	8.65	30.1	100	132	A	H
													H
													H
		5150	51.59	-22.41	74	41.25	31.8	8.64	30.1	112	187	P	V
		5128.44	42.48	-11.52	54	32.13	31.83	8.62	30.1	112	187	A	V
	*	5180	102.25	-	-	92.03	31.67	8.65	30.1	112	187	P	V
	*	5180	93.87	-	-	83.65	31.67	8.65	30.1	112	187	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5115.96	49.64	-24.36	74	39.24	31.87	8.62	30.09	100	131	P	H
		5083.46	39.67	-14.33	54	29.26	31.9	8.6	30.09	100	131	A	H
	*	5220	106.9	-	-	96.78	31.53	8.7	30.11	100	131	P	H
	*	5220	97.43	-	-	87.31	31.53	8.7	30.11	100	131	A	H
		5452.16	50.11	-23.89	74	39.43	31.7	9.12	30.14	100	131	P	H
		5458.6	39.78	-14.22	54	29.1	31.7	9.12	30.14	100	131	A	H
		5099.06	49.78	-24.22	74	39.36	31.9	8.61	30.09	300	342	P	V
		5080.08	39.59	-14.41	54	29.18	31.9	8.6	30.09	300	342	A	V
	*	5220	101.78	-	-	91.66	31.53	8.7	30.11	300	342	P	V
	*	5220	93.77	-	-	83.65	31.53	8.7	30.11	300	342	A	V
		5388.04	49.6	-24.4	74	39.12	31.53	9.08	30.13	300	342	P	V
		5459.44	39.68	-14.32	54	29	31.7	9.12	30.14	300	342	A	V



802.11n HT20 CH 48 5240MHz		5050.44	49.58	-24.42	74	39.18	31.9	8.59	30.09	100	128	P	H
		5054.86	39.76	-14.24	54	29.36	31.9	8.59	30.09	100	128	A	H
	*	5240	106.91	-	-	96.8	31.47	8.75	30.11	100	128	P	H
	*	5240	97.75	-	-	87.64	31.47	8.75	30.11	100	128	A	H
		5425.56	50.03	-23.97	74	39.41	31.63	9.12	30.13	100	128	P	H
		5460	39.85	-14.15	54	29.17	31.7	9.12	30.14	100	128	A	H
		5037.18	50.05	-23.95	74	39.75	31.8	8.58	30.08	299	342	P	V
		5079.56	39.59	-14.41	54	29.18	31.9	8.6	30.09	299	342	A	V
	*	5240	102.6	-	-	92.49	31.47	8.75	30.11	299	342	P	V
	*	5240	94.38	-	-	84.27	31.47	8.75	30.11	299	342	A	V
		5404.56	49.07	-24.93	74	38.49	31.6	9.11	30.13	299	342	P	V
		5458.88	39.8	-14.2	54	29.12	31.7	9.12	30.14	299	342	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	46.34	-21.86	68.2	54.99	39.37	13.33	61.35	100	0	P	H
		15540	45.96	-28.04	74	53.8	37.93	16.67	62.44	100	0	P	H
													H
													H
		10360	45.73	-22.47	68.2	54.38	39.37	13.33	61.35	100	0	P	V
		15540	45.8	-28.2	74	53.64	37.93	16.67	62.44	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	46.15	-22.05	68.2	54.73	39.53	13.38	61.49	100	0	P	H
		15660	44.33	-29.67	74	52.25	37.45	16.87	62.24	100	0	P	H
													H
													H
		10440	46.41	-21.79	68.2	54.99	39.53	13.38	61.49	100	0	P	V
		15660	45.41	-28.59	74	53.33	37.45	16.87	62.24	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	46	-22.2	68.2	54.58	39.58	13.4	61.56	100	0	P	H
		15720	45.94	-28.06	74	53.84	37.3	16.95	62.15	100	0	P	H
													H
													H
		10480	45.84	-22.36	68.2	54.42	39.58	13.4	61.56	100	0	P	V
		15720	45.57	-28.43	74	53.47	37.3	16.95	62.15	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5107.9	50.59	-23.41	74	40.2	31.87	8.61	30.09	100	127	P	H
		5087.62	40.71	-13.29	54	30.3	31.9	8.6	30.09	100	127	A	H
	*	5190	99.64	-	-	89.42	31.67	8.65	30.1	100	127	P	H
	*	5190	91.17	-	-	80.95	31.67	8.65	30.1	100	127	A	H
		5368.44	49.58	-24.42	74	39.19	31.47	9.04	30.12	100	127	P	H
		5460	39.78	-14.22	54	29.1	31.7	9.12	30.14	100	127	A	H
		5137.8	49.72	-24.28	74	39.36	31.83	8.63	30.1	300	351	P	V
		5149.24	39.89	-14.11	54	29.56	31.8	8.63	30.1	300	351	A	V
	*	5190	96.14	-	-	85.92	31.67	8.65	30.1	300	351	P	V
	*	5190	87.7	-	-	77.48	31.67	8.65	30.1	300	351	A	V
		5416.6	49.79	-24.21	74	39.18	31.63	9.11	30.13	300	351	P	V
		5459.16	39.65	-14.35	54	28.97	31.7	9.12	30.14	300	351	A	V
802.11n HT40 CH 46 5230MHz		5126.62	50.08	-23.92	74	39.73	31.83	8.62	30.1	100	126	P	H
		5127.4	40.55	-13.45	54	30.2	31.83	8.62	30.1	100	126	A	H
	*	5230	100.42	-	-	90.33	31.47	8.73	30.11	100	126	P	H
	*	5230	91.33	-	-	81.24	31.47	8.73	30.11	100	126	A	H
		5361.72	50.04	-23.96	74	39.67	31.47	9.02	30.12	100	126	P	H
		5457.2	39.64	-14.36	54	28.96	31.7	9.12	30.14	100	126	A	H
		5106.08	50.06	-23.94	74	39.67	31.87	8.61	30.09	281	342	P	V
		5127.4	39.85	-14.15	54	29.5	31.83	8.62	30.1	281	342	A	V
	*	5230	97.15	-	-	87.06	31.47	8.73	30.11	281	342	P	V
	*	5230	88.7	-	-	78.61	31.47	8.73	30.11	281	342	A	V
		5431.16	49.62	-24.38	74	38.96	31.67	9.12	30.13	281	342	P	V
		5457.2	39.81	-14.19	54	29.13	31.7	9.12	30.14	281	342	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	46.03	-22.17	68.2	54.64	39.43	13.34	61.38	100	0	P	H
		15570	44.82	-29.18	74	52.71	37.77	16.73	62.39	100	0	P	H
													H
													H
		10380	46.63	-21.57	68.2	55.24	39.43	13.34	61.38	100	0	P	V
		15570	45.73	-28.27	74	53.62	37.77	16.73	62.39	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	46.08	-22.12	68.2	54.67	39.55	13.39	61.53	100	0	P	H
		15690	44.59	-29.41	74	52.52	37.35	16.92	62.2	100	0	P	H
													H
													H
		10460	46.76	-21.44	68.2	55.35	39.55	13.39	61.53	100	0	P	V
		15690	44.85	-29.15	74	52.78	37.35	16.92	62.2	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5123.76	49.88	-24.12	74	39.53	31.83	8.62	30.1	100	130	P	H
		5064.6	39.91	-14.09	54	29.51	31.9	8.59	30.09	100	130	A	H
	*	5260	106.99	-	-	96.9	31.4	8.8	30.11	100	130	P	H
	*	5260	98.18	-	-	88.09	31.4	8.8	30.11	100	130	A	H
		5456.16	49.55	-24.45	74	38.87	31.7	9.12	30.14	100	130	P	H
		5457.84	39.88	-14.12	54	29.2	31.7	9.12	30.14	100	130	A	H
		5069.7	50.11	-23.89	74	39.71	31.9	8.59	30.09	296	342	P	V
		5075.48	39.67	-14.33	54	29.26	31.9	8.6	30.09	296	342	A	V
	*	5260	104.09	-	-	94	31.4	8.8	30.11	296	342	P	V
	*	5260	95.43	-	-	85.34	31.4	8.8	30.11	296	342	A	V
		5372.88	50.62	-23.38	74	40.22	31.47	9.05	30.12	296	342	P	V
		5458.8	39.95	-14.05	54	29.27	31.7	9.12	30.14	296	342	A	V
802.11a CH 60 5300MHz		5130.56	49.56	-24.44	74	39.2	31.83	8.63	30.1	100	129	P	H
		5102.34	39.82	-14.18	54	29.4	31.9	8.61	30.09	100	129	A	H
	*	5300	107.04	-	-	96.87	31.4	8.89	30.12	100	129	P	H
	*	5300	98.83	-	-	88.66	31.4	8.89	30.12	100	129	A	H
		5352.96	51.63	-22.37	74	41.35	31.4	9	30.12	100	129	P	H
		5352.24	44.81	-9.19	54	34.53	31.4	9	30.12	100	129	A	H
		5111.86	49.66	-24.34	74	39.26	31.87	8.62	30.09	294	341	P	V
		5101.66	39.63	-14.37	54	29.21	31.9	8.61	30.09	294	341	A	V
	*	5300	104.27	-	-	94.1	31.4	8.89	30.12	294	341	P	V
	*	5300	96.03	-	-	85.86	31.4	8.89	30.12	294	341	A	V
		5352.72	51.14	-22.86	74	40.86	31.4	9	30.12	294	341	P	V
		5352.24	42.54	-11.46	54	32.26	31.4	9	30.12	294	341	A	V



802.11a CH 64 5320MHz	*	5320	106.14	-	-	95.93	31.4	8.93	30.12	100	125	P	H
	*	5320	97.66	-	-	87.45	31.4	8.93	30.12	100	125	A	H
		5372.48	51.78	-22.22	74	41.38	31.47	9.05	30.12	100	125	P	H
		5372.32	44.13	-9.87	54	33.73	31.47	9.05	30.12	100	125	A	H
													H
													H
	*	5320	102.84	-	-	92.63	31.4	8.93	30.12	323	349	P	V
	*	5320	94.48	-	-	84.27	31.4	8.93	30.12	323	349	A	V
		5372.8	50.16	-23.84	74	39.76	31.47	9.05	30.12	323	349	P	V
		5372.32	41.79	-12.21	54	31.39	31.47	9.05	30.12	323	349	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	44.91	-23.29	68.2	53.49	39.63	13.41	61.62	100	0	P	H
		15780	44.85	-29.15	74	52.57	37.3	17.03	62.05	100	0	P	H
													H
													H
		10520	46.15	-22.05	68.2	54.73	39.63	13.41	61.62	100	0	P	V
		15780	44.96	-29.04	74	52.68	37.3	17.03	62.05	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.94	-26.06	74	56.42	39.8	13.4	61.68	100	0	P	H
		15900	45.09	-28.91	74	52.76	37	17.19	61.86	100	0	P	H
													H
													H
		10600	47.09	-26.91	74	55.57	39.8	13.4	61.68	100	0	P	V
		15900	44.35	-29.65	74	52.02	37	17.19	61.86	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.45	-26.55	74	55.96	39.8	13.4	61.71	100	0	P	H
		15960	45.47	-28.53	74	53.13	36.93	17.17	61.76	100	0	P	H
													H
													H
		10640	47.54	-26.46	74	56.05	39.8	13.4	61.71	100	0	P	V
		15960	44.11	-29.89	74	51.77	36.93	17.17	61.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5038.76	48.85	-25.15	74	38.45	31.9	8.58	30.08	100	129	P	H
		5075.48	39.41	-14.59	54	29	31.9	8.6	30.09	100	129	A	H
	*	5260	106.19	-	-	96.1	31.4	8.8	30.11	100	129	P	H
	*	5260	97.33	-	-	87.24	31.4	8.8	30.11	100	129	A	H
		5449.68	49.04	-24.96	74	38.35	31.7	9.12	30.13	100	129	P	H
		5460	39.32	-14.68	54	28.64	31.7	9.12	30.14	100	129	A	H
		5099.62	49.26	-24.74	74	38.84	31.9	8.61	30.09	296	342	P	V
		5073.78	39.22	-14.78	54	28.81	31.9	8.6	30.09	296	342	A	V
	*	5260	103.64	-	-	93.55	31.4	8.8	30.11	296	342	P	V
	*	5260	94.72	-	-	84.63	31.4	8.8	30.11	296	342	A	V
		5433.12	49.47	-24.53	74	38.81	31.67	9.12	30.13	296	342	P	V
		5458.56	39.41	-14.59	54	28.73	31.7	9.12	30.14	296	342	A	V
802.11n HT20 CH 60 5300MHz		5107.1	49.96	-24.04	74	39.57	31.87	8.61	30.09	100	126	P	H
		5103.36	39.5	-14.5	54	29.08	31.9	8.61	30.09	100	126	A	H
	*	5300	106.31	-	-	96.14	31.4	8.89	30.12	100	126	P	H
	*	5300	97.65	-	-	87.48	31.4	8.89	30.12	100	126	A	H
		5352.96	51.64	-22.36	74	41.36	31.4	9	30.12	100	126	P	H
		5351.76	44.84	-9.16	54	34.56	31.4	9	30.12	100	126	A	H
		5132.94	49.59	-24.41	74	39.23	31.83	8.63	30.1	294	342	P	V
		5107.1	39.33	-14.67	54	28.94	31.87	8.61	30.09	294	342	A	V
	*	5300	103.58	-	-	93.41	31.4	8.89	30.12	294	342	P	V
	*	5300	95.12	-	-	84.95	31.4	8.89	30.12	294	342	A	V
		5452.8	50.88	-23.12	74	40.2	31.7	9.12	30.14	294	342	P	V
		5351.52	42.43	-11.57	54	32.15	31.4	9	30.12	294	342	A	V



802.11n HT20 CH 64 5320MHz	*	5320	105.51	-	-	95.3	31.4	8.93	30.12	100	125	P	H
	*	5320	96.85	-	-	86.64	31.4	8.93	30.12	100	125	A	H
		5353.92	54.54	-19.46	74	44.25	31.4	9.01	30.12	100	125	P	H
		5371.68	44.18	-9.82	54	33.78	31.47	9.05	30.12	100	125	A	H
													H
													H
	*	5320	102.81	-	-	92.6	31.4	8.93	30.12	322	350	P	V
	*	5320	93.94	-	-	83.73	31.4	8.93	30.12	322	350	A	V
		5351.36	50.44	-23.56	74	40.16	31.4	9	30.12	322	350	P	V
		5371.68	41.93	-12.07	54	31.53	31.47	9.05	30.12	322	350	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	45	-23.2	68.2	53.58	39.63	13.41	61.62	100	0	P	H
		15780	45.75	-28.25	74	53.47	37.3	17.03	62.05	100	0	P	H
													H
													H
		10520	45.93	-22.27	68.2	54.51	39.63	13.41	61.62	100	0	P	V
		15780	44.6	-29.4	74	52.32	37.3	17.03	62.05	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	46.99	-27.01	74	55.47	39.8	13.4	61.68	100	0	P	H
		15900	45.2	-28.8	74	52.87	37	17.19	61.86	100	0	P	H
													H
													H
		10600	47.14	-26.86	74	55.62	39.8	13.4	61.68	100	0	P	V
		15900	43.77	-30.23	74	51.44	37	17.19	61.86	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	47.7	-26.3	74	56.21	39.8	13.4	61.71	100	0	P	H
		15960	44.68	-29.32	74	52.34	36.93	17.17	61.76	100	0	P	H
													H
													H
		10640	48.12	-25.88	74	56.63	39.8	13.4	61.71	100	0	P	V
		15960	44.85	-29.15	74	52.51	36.93	17.17	61.76	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5128.18	48.73	-25.27	74	38.38	31.83	8.62	30.1	100	129	P	H
		5090.44	39.38	-14.62	54	28.96	31.9	8.61	30.09	100	129	A	H
	*	5270	100.29	-	-	90.18	31.4	8.82	30.11	100	129	P	H
	*	5270	91.8	-	-	81.69	31.4	8.82	30.11	100	129	A	H
		5445.12	50.06	-23.94	74	39.4	31.67	9.12	30.13	100	129	P	H
		5372.88	40.27	-13.73	54	29.87	31.47	9.05	30.12	100	129	A	H
		5058.48	49.98	-24.02	74	39.58	31.9	8.59	30.09	280	342	P	V
		5091.46	39.3	-14.7	54	28.88	31.9	8.61	30.09	280	342	A	V
	*	5270	97.18	-	-	87.07	31.4	8.82	30.11	280	342	P	V
	*	5270	88.79	-	-	78.68	31.4	8.82	30.11	280	342	A	V
		5360.16	49.45	-24.55	74	39.15	31.4	9.02	30.12	280	342	P	V
		5373.36	39.55	-14.45	54	29.16	31.47	9.05	30.13	280	342	A	V
802.11n HT40 CH 62 5310MHz		5045.56	49.66	-24.34	74	39.27	31.9	8.58	30.09	100	129	P	H
		5100.98	39.38	-14.62	54	28.96	31.9	8.61	30.09	100	129	A	H
	*	5310	101.19	-	-	91	31.4	8.91	30.12	100	129	P	H
	*	5310	92.09	-	-	81.9	31.4	8.91	30.12	100	129	A	H
		5448.24	50.24	-23.76	74	39.55	31.7	9.12	30.13	100	129	P	H
		5350.56	40.61	-13.39	54	30.33	31.4	9	30.12	100	129	A	H
		5054.74	49.15	-24.85	74	38.75	31.9	8.59	30.09	292	343	P	V
		5090.44	39.27	-14.73	54	28.85	31.9	8.61	30.09	292	343	A	V
	*	5310	97.99	-	-	87.8	31.4	8.91	30.12	292	343	P	V
	*	5310	89.67	-	-	79.48	31.4	8.91	30.12	292	343	A	V
		5353.44	50	-24	74	39.71	31.4	9.01	30.12	292	343	P	V
		5350.32	39.81	-14.19	54	29.53	31.4	9	30.12	292	343	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	46.07	-22.13	68.2	54.62	39.67	13.41	61.63	100	0	P	H
		15810	45.36	-28.64	74	52.98	37.3	17.08	62	100	0	P	H
													H
													H
		10540	46.45	-21.75	68.2	55	39.67	13.41	61.63	100	0	P	V
		15810	45.08	-28.92	74	52.7	37.3	17.08	62	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	47.35	-26.65	74	55.84	39.8	13.41	61.7	100	0	P	H
		15930	44.45	-29.55	74	52.1	36.97	17.19	61.81	100	0	P	H
													H
													H
		10620	47.66	-26.34	74	56.15	39.8	13.41	61.7	100	0	P	V
		15930	44.4	-29.6	74	52.05	36.97	17.19	61.81	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5446.8	53.14	-20.86	74	42.45	31.7	9.12	30.13	107	128	P	H
		5469.36	54.73	-13.47	68.2	44.05	31.7	9.12	30.14	107	128	P	H
		5447.76	44.79	-9.21	54	34.1	31.7	9.12	30.13	107	128	A	H
	*	5500	105.24	-	-	94.55	31.7	9.13	30.14	107	128	P	H
	*	5500	96.67	-	-	85.98	31.7	9.13	30.14	107	128	A	H
													H
		5448.08	52.7	-21.3	74	42.01	31.7	9.12	30.13	306	350	P	V
		5470	52.35	-15.85	68.2	41.67	31.7	9.12	30.14	306	350	P	V
		5447.76	43.12	-10.88	54	32.43	31.7	9.12	30.13	306	350	A	V
	*	5500	104	-	-	93.31	31.7	9.13	30.14	306	350	P	V
	*	5500	95.79	-	-	85.1	31.7	9.13	30.14	306	350	A	V
													V
802.11a CH 116 5580MHz		5367.76	51.02	-22.98	74	40.63	31.47	9.04	30.12	111	123	P	H
		5461.84	49.4	-18.8	68.2	38.72	31.7	9.12	30.14	111	123	P	H
		5395.36	40	-14	54	29.43	31.6	9.1	30.13	111	123	A	H
	*	5580	103.91	-	-	93.15	31.8	9.15	30.19	111	123	P	H
	*	5580	95.4	-	-	84.64	31.8	9.15	30.19	111	123	A	H
		5755.55	50.77	-17.43	68.2	39.53	32.07	9.44	30.27	111	123	P	H
		5413.6	50.4	-23.6	74	39.79	31.63	9.11	30.13	287	342	P	V
		5469.04	49.98	-18.22	68.2	39.3	31.7	9.12	30.14	287	342	P	V
		5459.68	39.99	-14.01	54	29.31	31.7	9.12	30.14	287	342	A	V
	*	5580	103.98	-	-	93.22	31.8	9.15	30.19	287	342	P	V
	*	5580	95.41	-	-	84.65	31.8	9.15	30.19	287	342	A	V
		5741.06	49.79	-18.41	68.2	38.65	32	9.41	30.27	287	342	P	V



802.11a CH 140 5700MHz	*	5700	102.73	-	-	91.84	31.8	9.34	30.25	151	122	P	H
	*	5700	93.92	-	-	83.03	31.8	9.34	30.25	151	122	A	H
		5725	59.37	-8.83	68.2	48.32	31.93	9.38	30.26	151	122	P	H
													H
													H
													H
	*	5700	102.54	-	-	91.65	31.8	9.34	30.25	303	352	P	V
	*	5700	94.14	-	-	83.25	31.8	9.34	30.25	303	352	A	V
		5728.04	58.59	-9.61	68.2	47.53	31.93	9.39	30.26	303	352	P	V
													V
													V
													V
Remark 1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	48.11	-25.89	74	56.27	40.4	13.44	62	100	0	P	H
		16500	45.78	-22.42	68.2	49.57	38.6	17.21	59.6	100	0	P	H
													H
													H
		11000	47.74	-26.26	74	55.9	40.4	13.44	62	100	0	P	V
		16500	46.33	-21.87	68.2	50.12	38.6	17.21	59.6	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.77	-26.23	74	55.85	39.93	13.67	61.68	100	0	P	H
		16740	47.39	-20.81	68.2	49.83	39.78	17.48	59.7	100	0	P	H
													H
													H
		11160	47.48	-26.52	74	55.56	39.93	13.67	61.68	100	0	P	V
		16740	47.97	-20.23	68.2	50.41	39.78	17.48	59.7	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.8	-26.2	74	55.03	40	13.97	61.2	100	0	P	H
		17100	47.63	-20.57	68.2	49.15	40.5	17.66	59.68	100	0	P	H
													H
													H
		11400	47.4	-26.6	74	54.63	40	13.97	61.2	100	0	P	V
		17100	47.48	-20.72	68.2	49	40.5	17.66	59.68	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5447.92	53.13	-20.87	74	42.44	31.7	9.12	30.13	100	127	P	H
		5468.08	57.63	-10.57	68.2	46.95	31.7	9.12	30.14	100	127	P	H
		5448.4	45.21	-8.79	54	34.52	31.7	9.12	30.13	100	127	A	H
	*	5500	105.2	-	-	94.51	31.7	9.13	30.14	100	127	P	H
	*	5500	96.23	-	-	85.54	31.7	9.13	30.14	100	127	A	H
													H
		5448.72	51.89	-22.11	74	41.2	31.7	9.12	30.13	305	350	P	V
		5465.68	50.55	-17.65	68.2	39.87	31.7	9.12	30.14	305	350	P	V
		5448.4	43.29	-10.71	54	32.6	31.7	9.12	30.13	305	350	A	V
	*	5500	103.82	-	-	93.13	31.7	9.13	30.14	305	350	P	V
	*	5500	95.24	-	-	84.55	31.7	9.13	30.14	305	350	A	V
													V
802.11n HT20 CH 116 5580MHz		5456.08	50.44	-23.56	74	39.76	31.7	9.12	30.14	131	124	P	H
		5466.88	49.63	-18.57	68.2	38.95	31.7	9.12	30.14	131	124	P	H
		5395.6	40	-14	54	29.43	31.6	9.1	30.13	131	124	A	H
	*	5580	103.34	-	-	92.58	31.8	9.15	30.19	131	124	P	H
	*	5580	94.86	-	-	84.1	31.8	9.15	30.19	131	124	A	H
		5739.485	50.24	-17.96	68.2	39.1	32	9.41	30.27	131	124	P	H
		5395.36	51.23	-22.77	74	40.66	31.6	9.1	30.13	284	343	P	V
		5464	49.64	-18.56	68.2	38.96	31.7	9.12	30.14	284	343	P	V
		5458	39.93	-14.07	54	29.25	31.7	9.12	30.14	284	343	A	V
	*	5580	103.81	-	-	93.05	31.8	9.15	30.19	284	343	P	V
	*	5580	95.14	-	-	84.38	31.8	9.15	30.19	284	343	A	V
		5753.975	50.4	-17.8	68.2	39.17	32.07	9.43	30.27	284	343	P	V



802.11n HT20 CH 140 5700MHz	*	5700	101.66	-	-	90.77	31.8	9.34	30.25	114	124	P	H
	*	5700	93.06	-	-	82.17	31.8	9.34	30.25	114	124	A	H
		5726.68	58.99	-9.21	68.2	47.94	31.93	9.38	30.26	114	124	P	H
													H
													H
													H
	*	5700	101.29	-	-	90.4	31.8	9.34	30.25	308	352	P	V
	*	5700	93.08	-	-	82.19	31.8	9.34	30.25	308	352	A	V
		5725.08	59.64	-8.56	68.2	48.59	31.93	9.38	30.26	308	352	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	46.94	-27.06	74	55.1	40.4	13.44	62	100	0	P	H
		16500	45.61	-22.59	68.2	49.4	38.6	17.21	59.6	100	0	P	H
													H
													H
		11000	48.54	-25.46	74	56.7	40.4	13.44	62	100	0	P	V
		16500	45.55	-22.65	68.2	49.34	38.6	17.21	59.6	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	46.95	-27.05	74	55.03	39.93	13.67	61.68	100	0	P	H
		16740	47.23	-20.97	68.2	49.67	39.78	17.48	59.7	100	0	P	H
													H
													H
		11160	48	-26	74	56.08	39.93	13.67	61.68	100	0	P	V
		16740	48.4	-19.8	68.2	50.84	39.78	17.48	59.7	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	48.04	-25.96	74	55.27	40	13.97	61.2	100	0	P	H
		17100	47.61	-20.59	68.2	49.13	40.5	17.66	59.68	100	0	P	H
													H
													H
		11400	47.69	-26.31	74	54.92	40	13.97	61.2	100	0	P	V
		17100	48.69	-19.51	68.2	50.21	40.5	17.66	59.68	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5405.68	50.7	-23.3	74	40.12	31.6	9.11	30.13	100	128	P	H
		5469.52	53.06	-15.14	68.2	42.38	31.7	9.12	30.14	100	128	P	H
		5407.6	41.65	-12.35	54	31.07	31.6	9.11	30.13	100	128	A	H
	*	5510	99.77	-	-	89.09	31.7	9.13	30.15	100	128	P	H
	*	5510	91.26	-	-	80.58	31.7	9.13	30.15	100	128	A	H
		5745.155	49.93	-18.27	68.2	38.78	32	9.42	30.27	100	128	P	H
		5439.04	50.17	-23.83	74	39.51	31.67	9.12	30.13	308	343	P	V
		5468.8	54.37	-13.83	68.2	43.69	31.7	9.12	30.14	308	343	P	V
		5407.36	40.64	-13.36	54	30.06	31.6	9.11	30.13	308	343	A	V
	*	5510	99.18	-	-	88.5	31.7	9.13	30.15	308	343	P	V
	*	5510	90.46	-	-	79.78	31.7	9.13	30.15	308	343	A	V
		5745.785	50.13	-18.07	68.2	38.98	32	9.42	30.27	308	343	P	V
802.11n HT40 CH 110 5550MHz		5356	50.48	-23.52	74	40.19	31.4	9.01	30.12	100	126	P	H
		5461.6	49.68	-18.52	68.2	39	31.7	9.12	30.14	100	126	P	H
		5447.44	41.5	-12.5	54	30.81	31.7	9.12	30.13	100	126	A	H
	*	5550	98.88	-	-	88.11	31.8	9.14	30.17	100	126	P	H
	*	5550	90.03	-	-	79.26	31.8	9.14	30.17	100	126	A	H
		5753.975	49.8	-18.4	68.2	38.57	32.07	9.43	30.27	100	126	P	H
		5447.68	50.84	-23.16	74	40.15	31.7	9.12	30.13	335	350	P	V
		5464.48	49.75	-18.45	68.2	39.07	31.7	9.12	30.14	335	350	P	V
		5447.44	40.79	-13.21	54	30.1	31.7	9.12	30.13	335	350	A	V
	*	5550	98.48	-	-	87.71	31.8	9.14	30.17	335	350	P	V
	*	5550	89.78	-	-	79.01	31.8	9.14	30.17	335	350	A	V
		5752.4	50.88	-17.32	68.2	39.65	32.07	9.43	30.27	335	350	P	V



802.11n HT40 CH 134 5670MHz		5355.95	50.27	-23.73	74	39.98	31.4	9.01	30.12	108	121	P	H
		5465.85	48.36	-19.84	68.2	37.68	31.7	9.12	30.14	108	121	P	H
		5457.1	39.36	-14.64	54	28.68	31.7	9.12	30.14	108	121	A	H
	*	5670	96.44	-	-	85.64	31.75	9.28	30.23	108	121	P	H
	*	5670	87.76	-	-	76.96	31.75	9.28	30.23	108	121	A	H
		5755.9	50.72	-17.48	68.2	39.5	32.07	9.44	30.29	108	121	P	H
		5412.3	49.04	-24.96	74	38.43	31.63	9.11	30.13	305	351	P	V
		5460	48.38	-19.82	68.2	37.7	31.7	9.12	30.14	305	351	P	V
		5458.5	39.36	-14.64	54	28.68	31.7	9.12	30.14	305	351	A	V
	*	5670	96.51	-	-	85.71	31.75	9.28	30.23	305	351	P	V
	*	5670	87.46	-	-	76.66	31.75	9.28	30.23	305	351	A	V
		5743.825	49.98	-18.22	68.2	38.83	32	9.42	30.27	305	351	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	47.21	-26.79	74	55.37	40.33	13.47	61.96	100	0	P	H
		16530	46.21	-21.99	68.2	49.88	38.7	17.24	59.61	100	0	P	H
													H
													H
		11020	46.87	-27.13	74	55.03	40.33	13.47	61.96	100	0	P	V
		16530	45.26	-22.94	68.2	48.93	38.7	17.24	59.61	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	47.2	-26.8	74	55.47	40	13.53	61.8	100	0	P	H
		16650	47.12	-21.08	68.2	50.17	39.2	17.41	59.66	100	0	P	H
													H
													H
		11100	49.64	-24.36	74	57.91	40	13.53	61.8	100	0	P	V
		16650	46.14	-22.06	68.2	49.19	39.2	17.41	59.66	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	47.16	-26.84	74	54.61	39.87	14	61.32	100	0	P	H
		17010	48.03	-20.17	68.2	49.78	40.5	17.54	59.79	100	0	P	H
													H
													H
		11340	47.92	-26.08	74	55.37	39.87	14	61.32	100	0	P	V
		17010	49.39	-18.81	68.2	51.14	40.5	17.54	59.79	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m)[illegible]



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

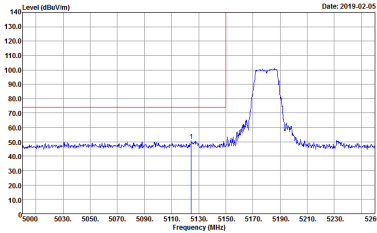
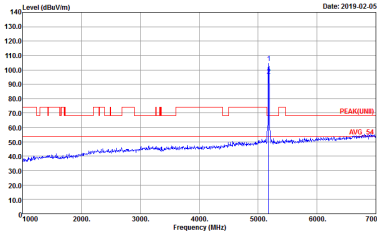
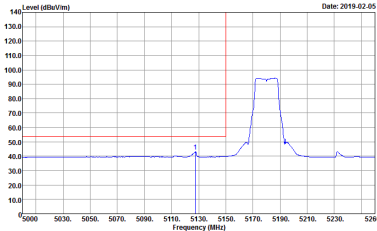
Test Engineer :	Karl Hou and Bigshow Wang	Temperature :	24~26°C
		Relative Humidity :	47~58%

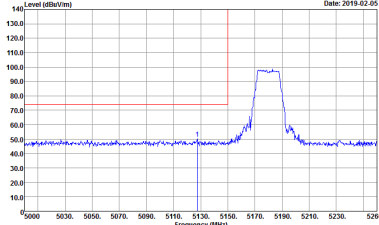
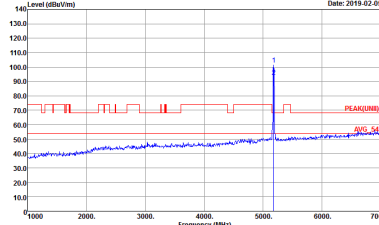
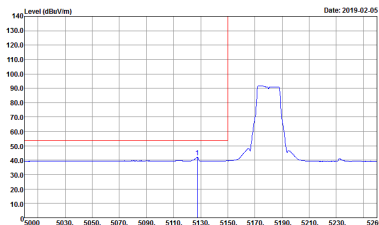
Note symbol

-L	Low channel location
-R	High channel location

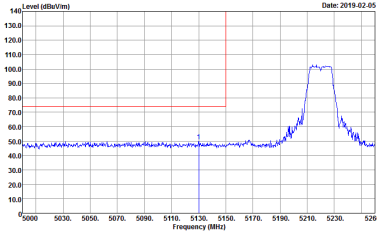
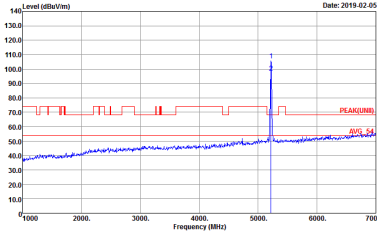
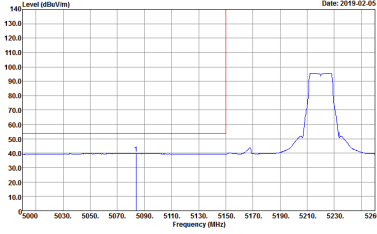


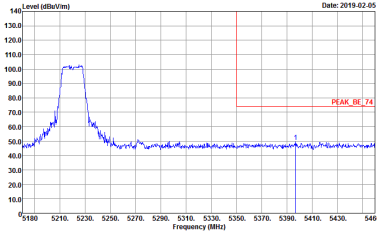
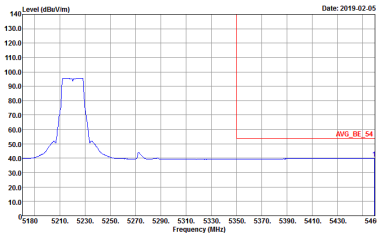
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 911608 Mode : 1	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 911608 Mode : 1
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 911608 Mode : 1	Left blank

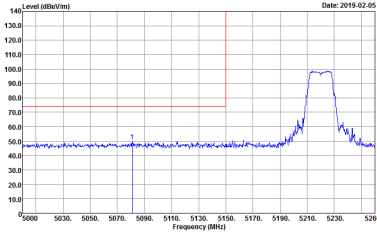
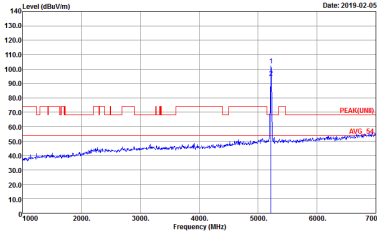
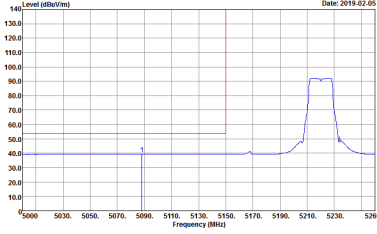
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 1	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 1
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 1	Left blank



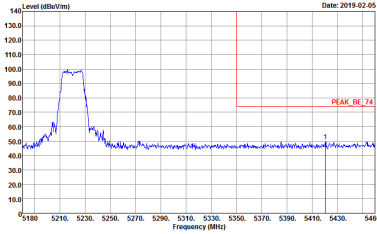
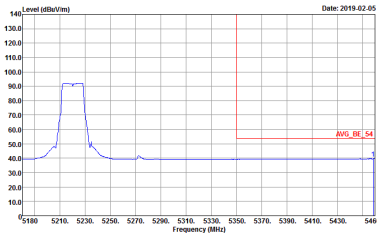
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 2	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 2
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 2	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 2	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 2	Left blank

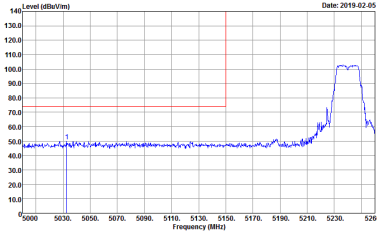
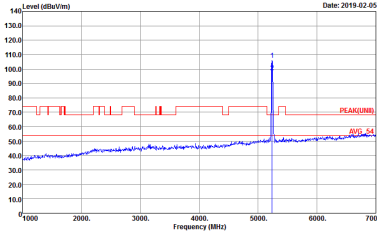
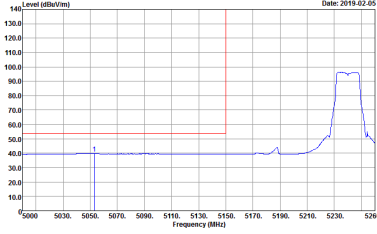


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 2	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 2
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 2	Left blank

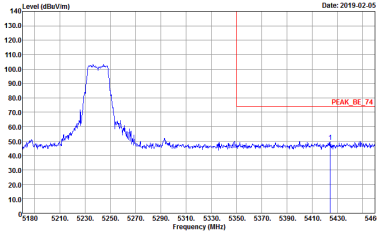
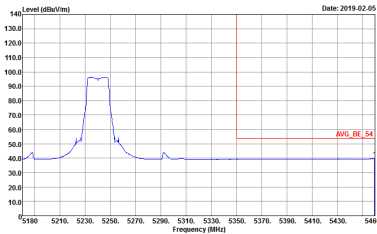


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 2	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 2	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 3	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 3
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 3	Left blank

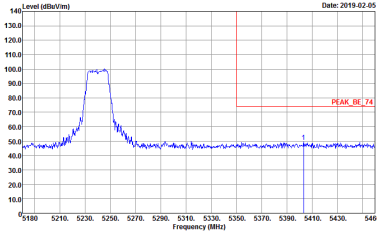
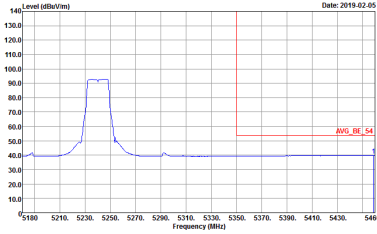


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 3	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 3	Left blank

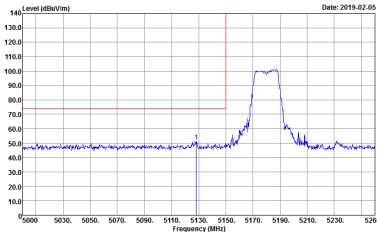
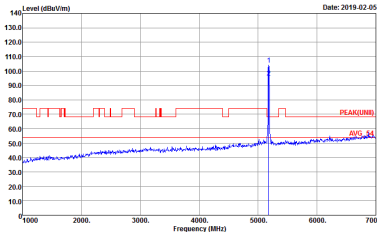
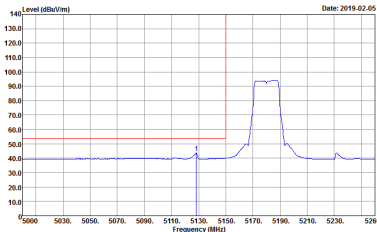


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 3	Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 3
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 3	Left blank

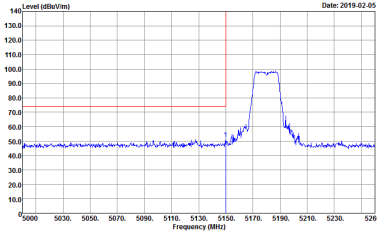
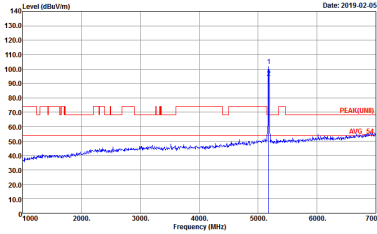
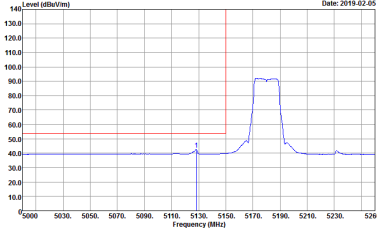


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 3	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 3	Left blank

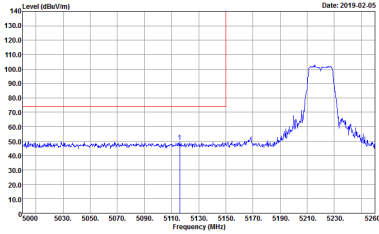
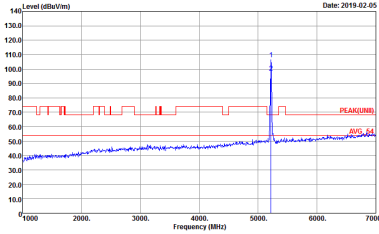
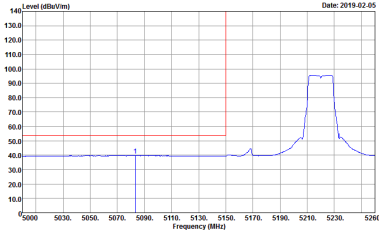
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 4	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 4
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 4	Left blank

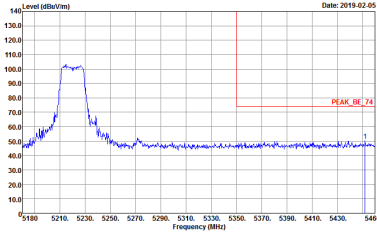
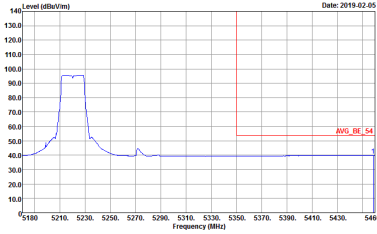


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 4	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 4
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 4	Left blank

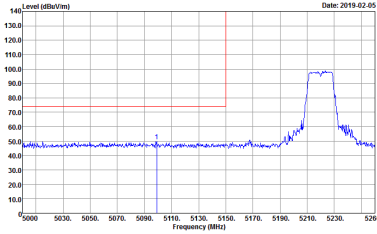
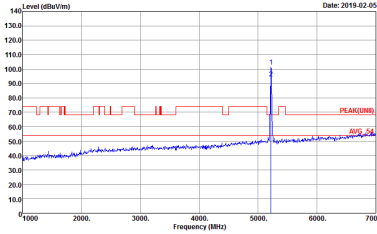
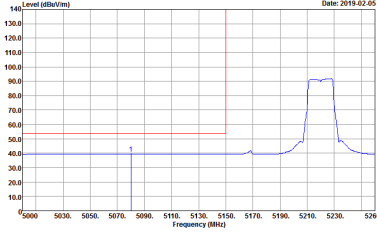


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 5	Left blank

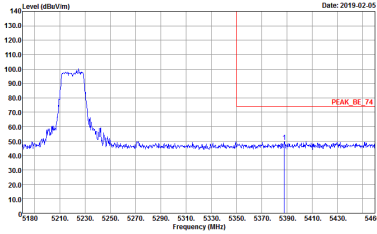
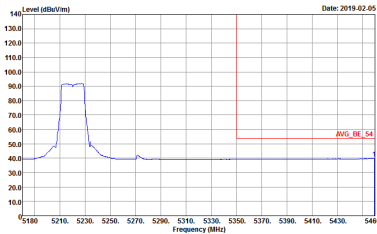


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 5	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 5	Left blank

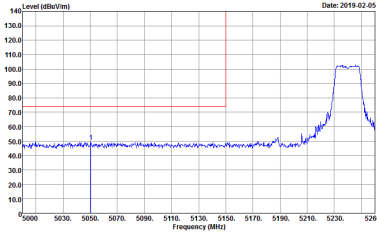
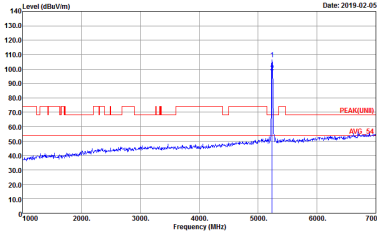
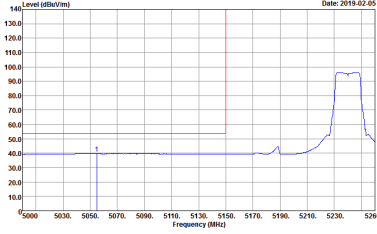


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 5	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 5
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 5	Left blank

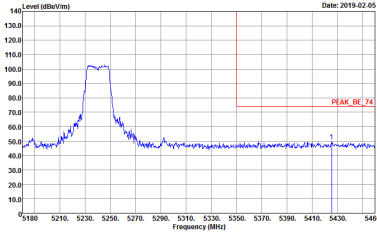
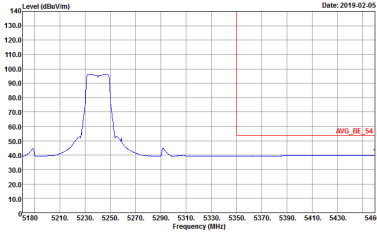


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 5	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 5	Left blank

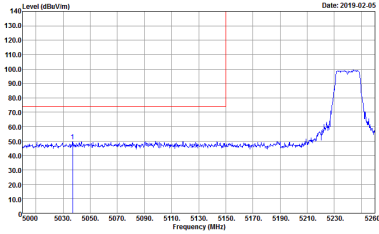
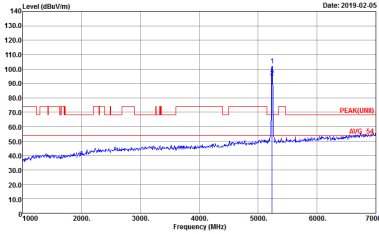
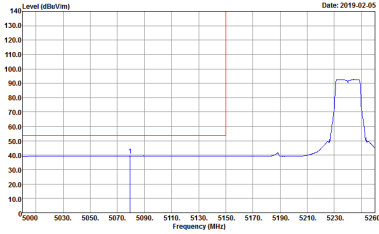


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 6	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 6
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 6	Left blank

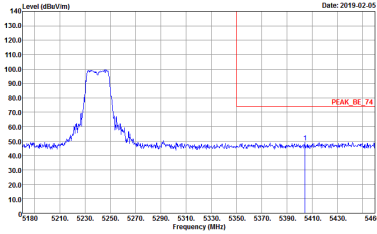
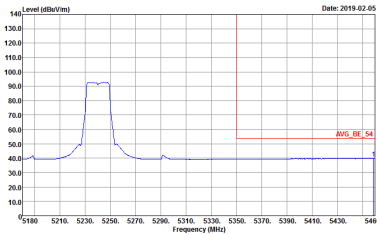


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 6	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 6	Left blank

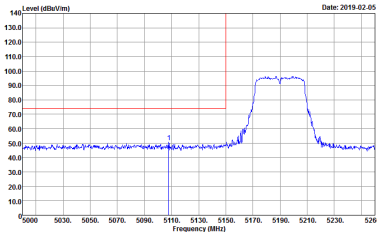
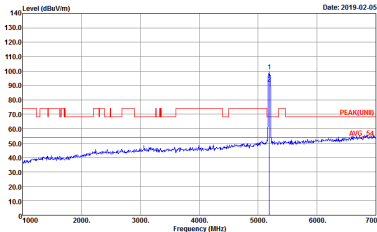
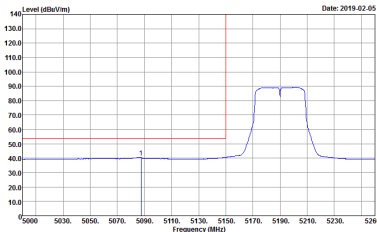


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 6	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 6
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 6	Left blank

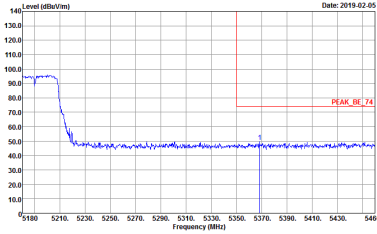
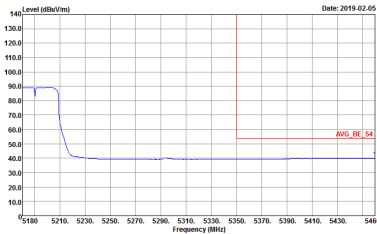


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 6	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 6	Left blank

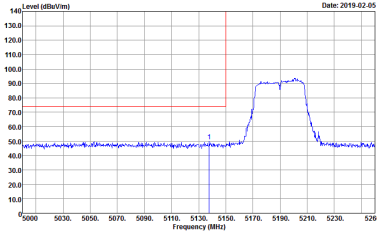
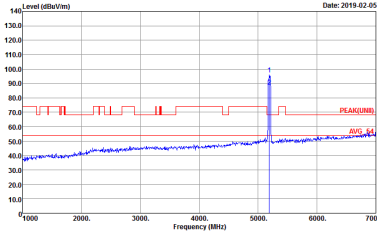
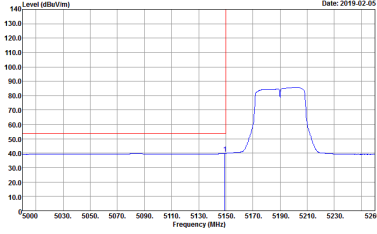
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 7	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 7
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 7	Left blank

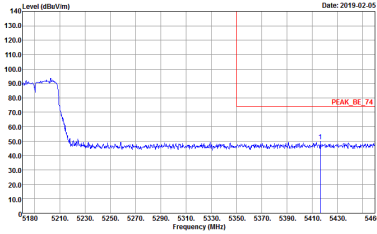
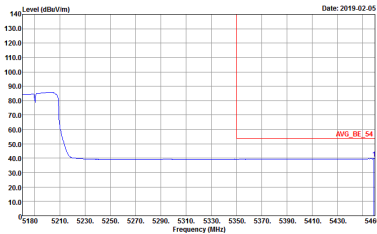


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 7	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 7	Left blank

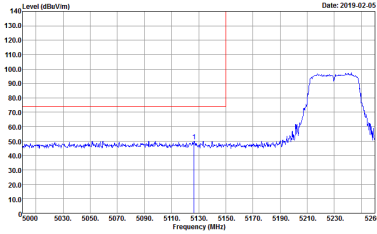
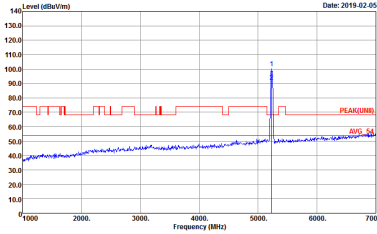
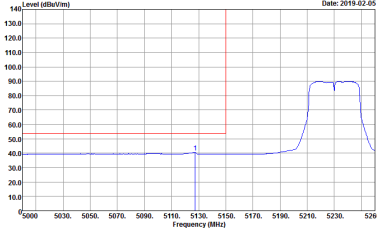


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 7	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 7
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 7	Left blank

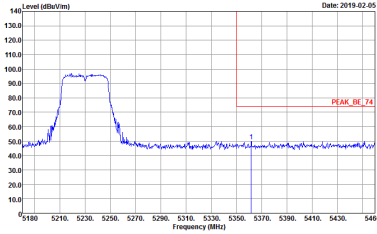
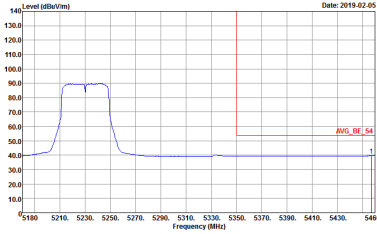


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 7	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 7	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 8	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 8
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 8	Left blank

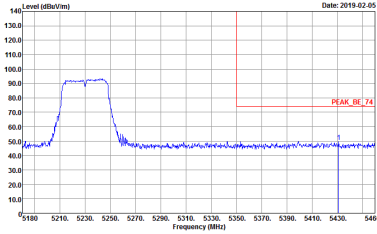
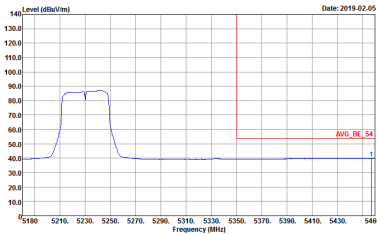


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 8	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 8	Left blank



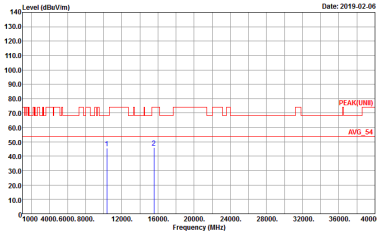
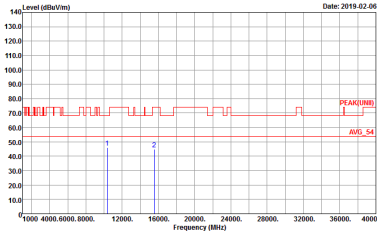
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 8	Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 8
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 8	Left blank



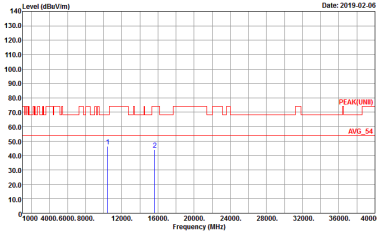
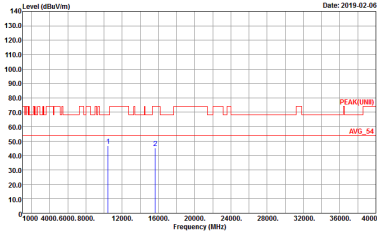
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 8	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 8	Left blank



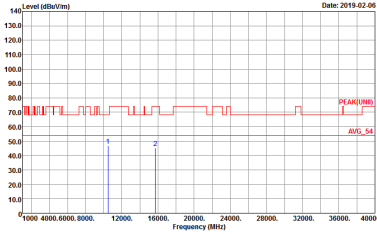
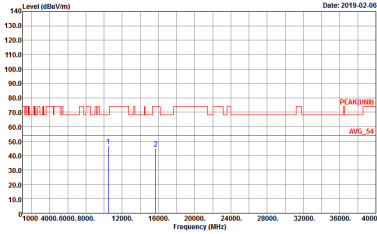
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 1	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 1



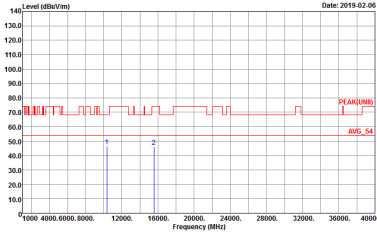
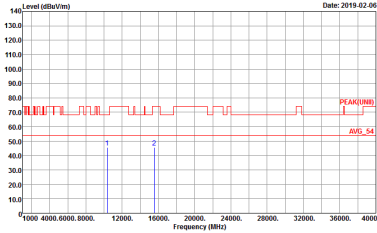
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 2	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 2



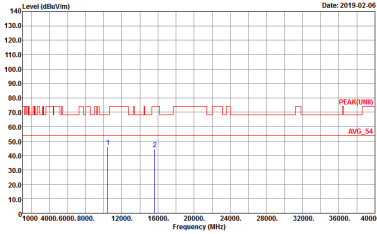
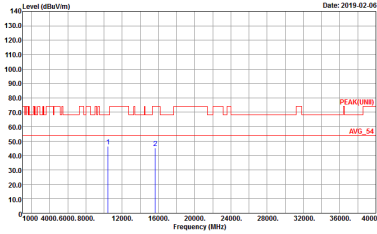
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 3	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 3



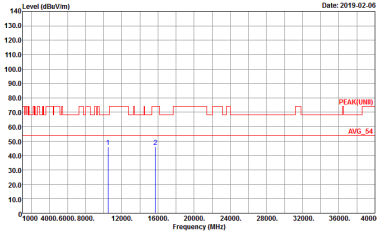
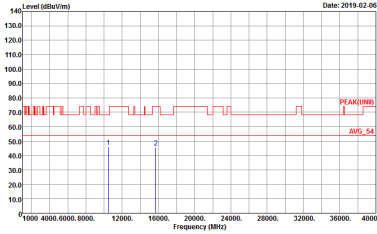
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 4	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 4



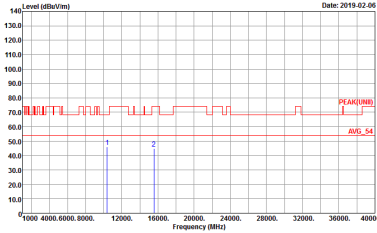
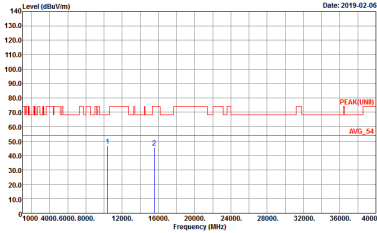
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : S	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : S



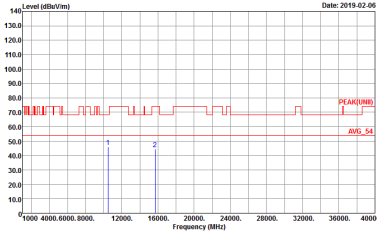
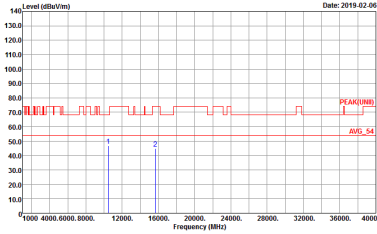
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 6	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 6



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

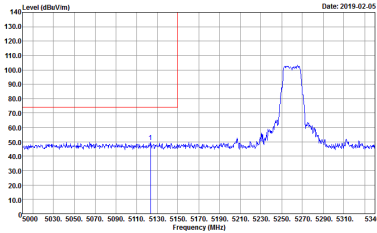
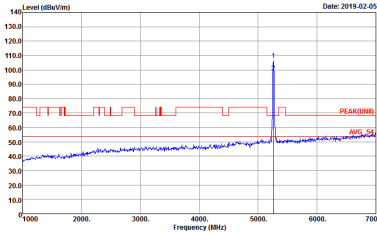
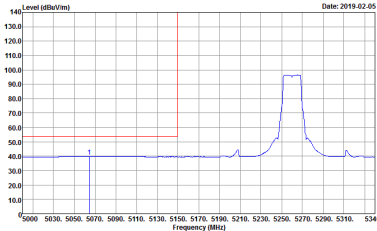
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 7	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 7



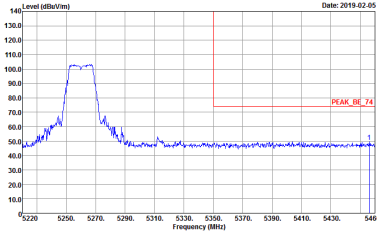
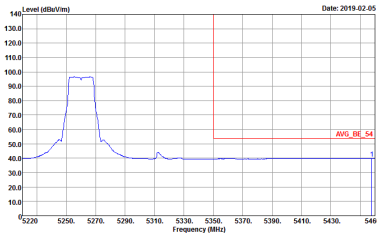
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : B	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : B



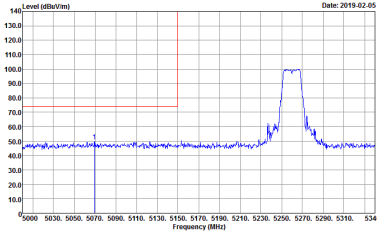
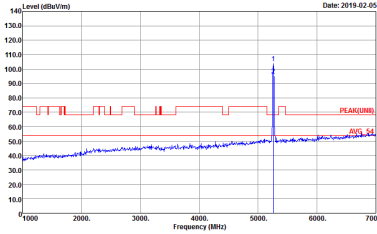
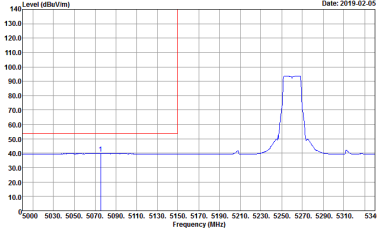
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 911608 Mode : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 911608 Mode : Peak
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 911608 Mode : Avg.	Left blank

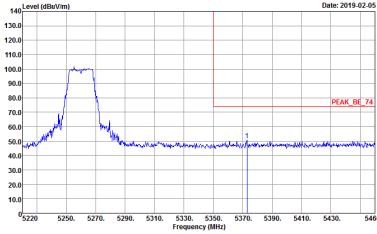
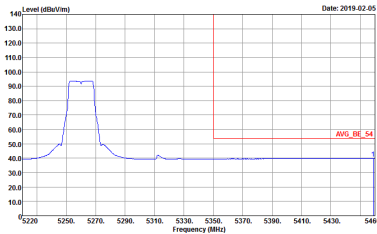


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 9	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 9	Left blank

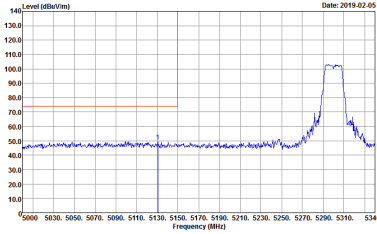
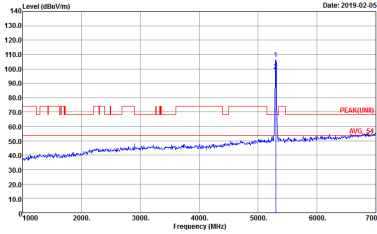
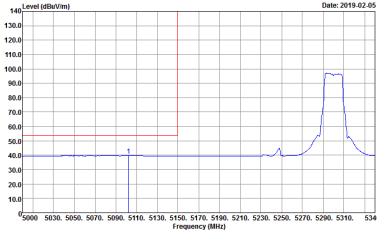


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 9	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 9
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 9	Left blank

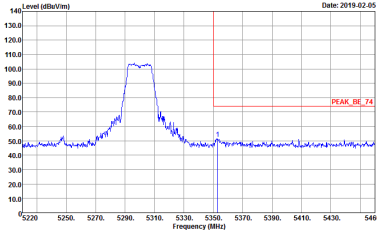
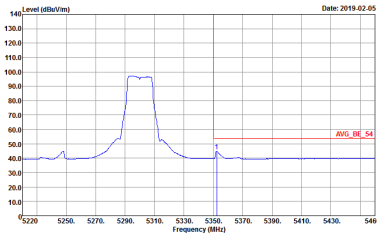


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 9	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 9	Left blank

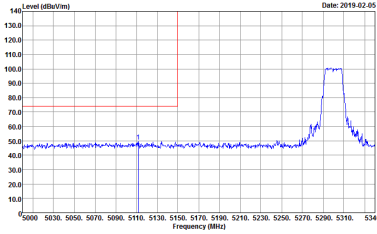
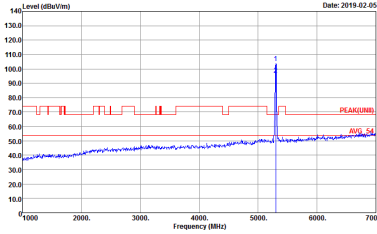
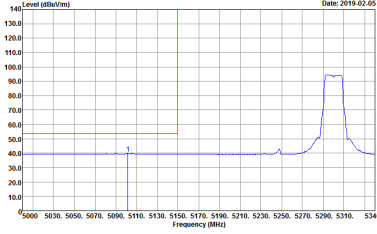


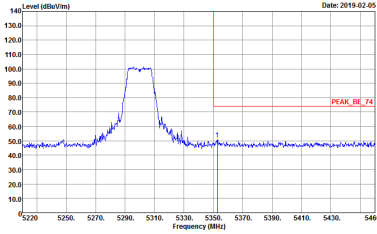
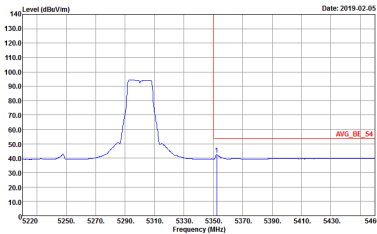
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 10	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 10
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 10	Left blank



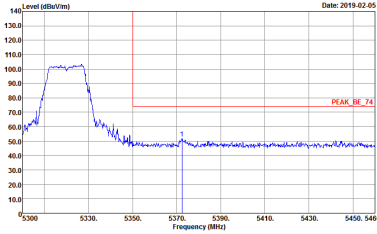
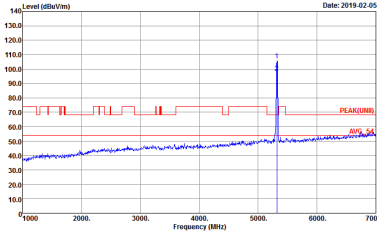
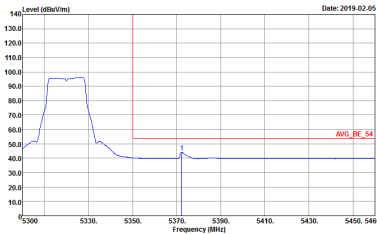
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 10	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 10	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 10	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 10
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 10	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 10	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 10	Left blank

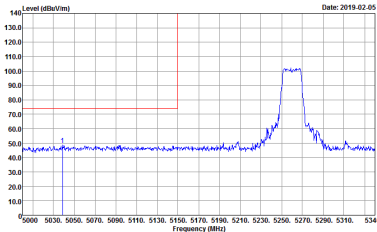
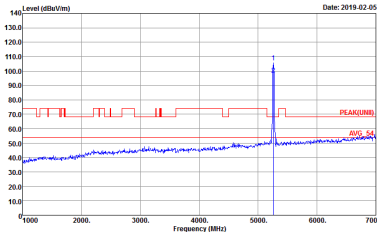
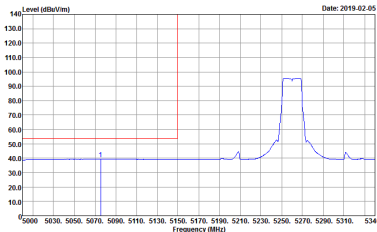


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 12	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 12
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 12	Left blank

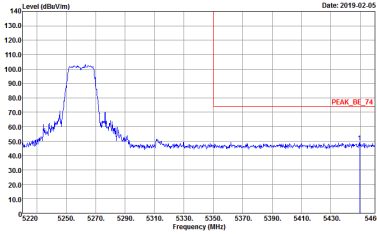
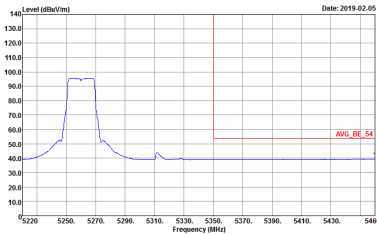


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 12	Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 12
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 12	Left blank

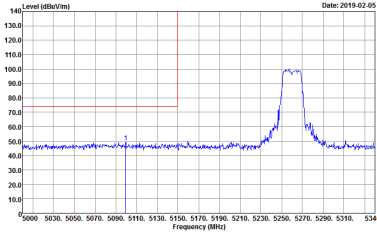
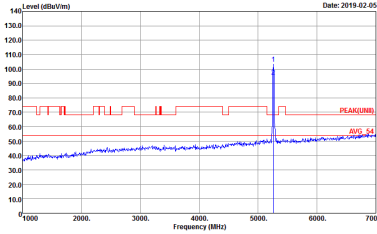
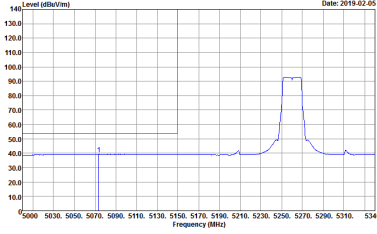
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 12 Date: 2019.02.05	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 12 Date: 2019.02.05
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 12 Date: 2019.02.05	Left blank

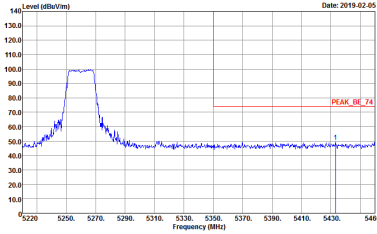
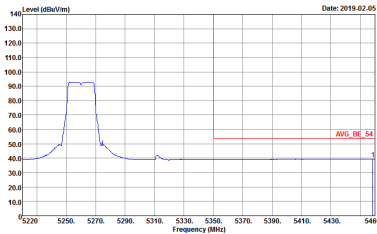


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 12	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 12	Left blank

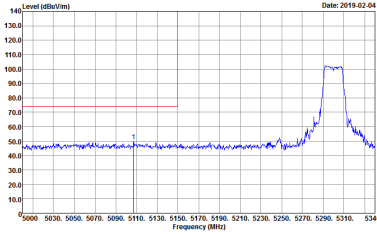
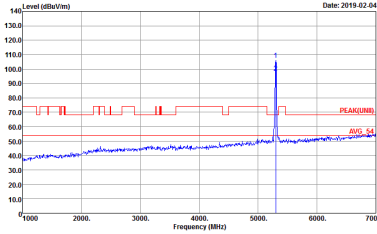
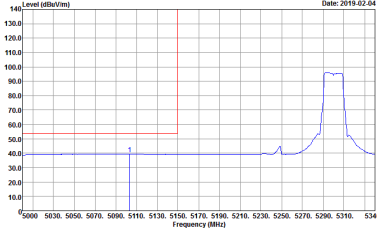


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 12	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 12
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 12	Left blank

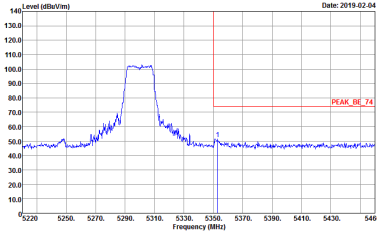
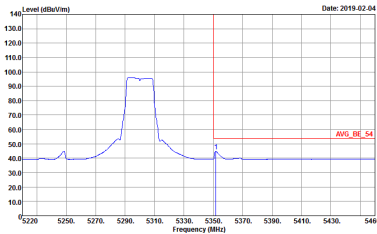


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 12	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 12	Left blank

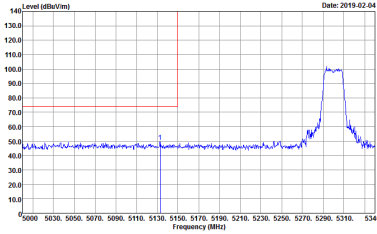
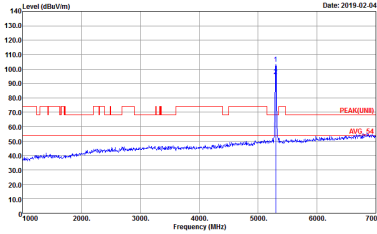
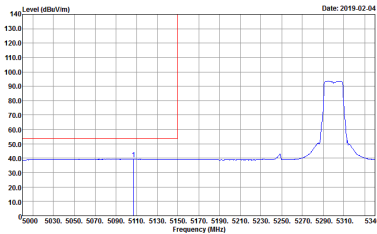


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 13	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 13
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 13	Left blank

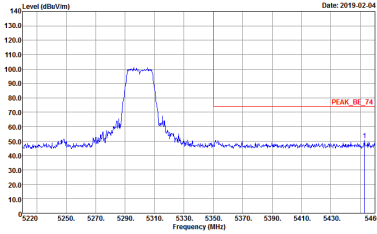
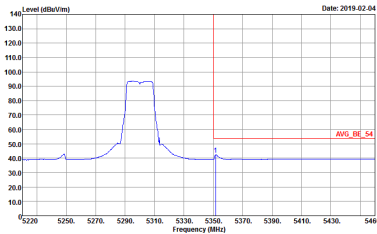


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 13	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 13	Left blank

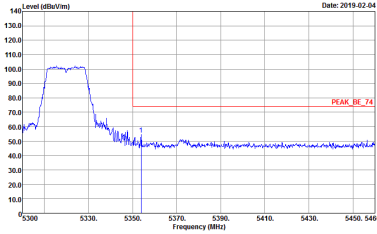
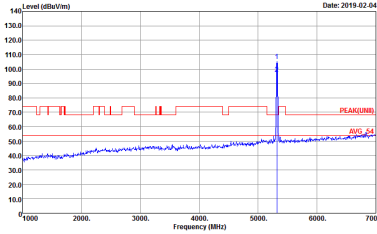
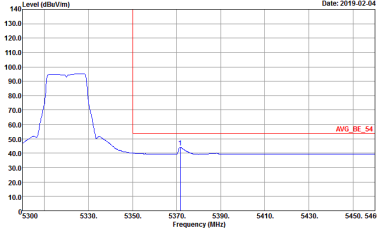


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 13	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 13
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 13	Left blank

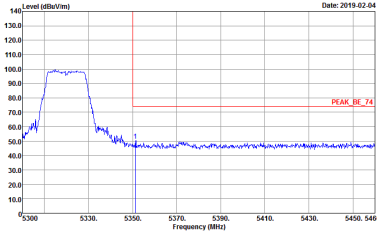
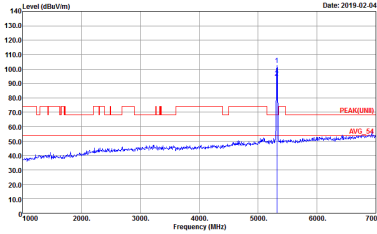
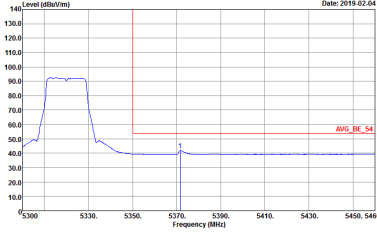


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 13	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 13	Left blank

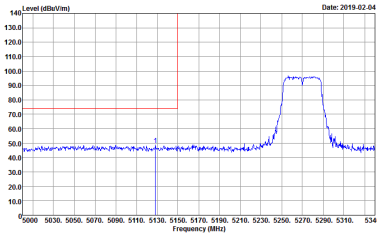
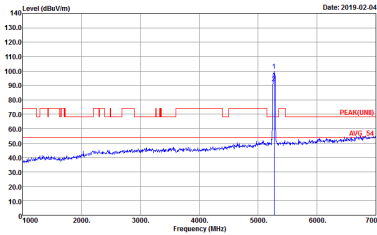
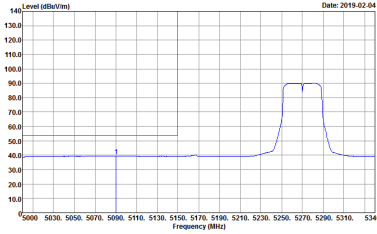


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 14	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 14
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 14	Left blank

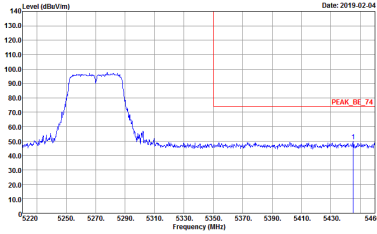
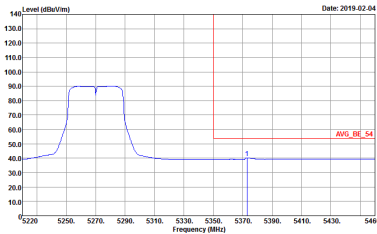


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 14	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 14
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 14	Left blank

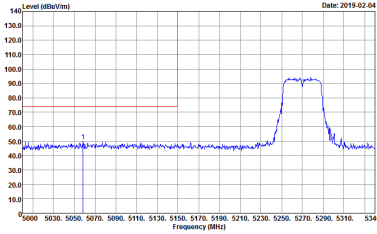
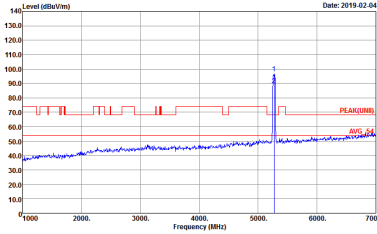
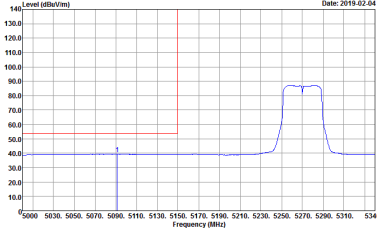
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 15	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 15
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 15	Left blank

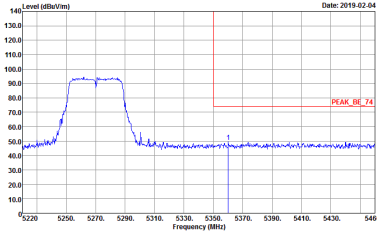
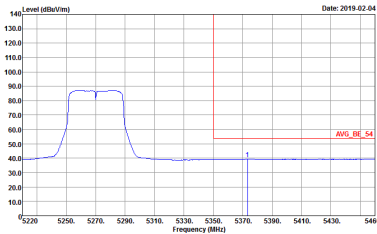


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 15	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 15	Left blank

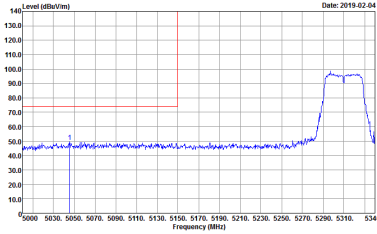
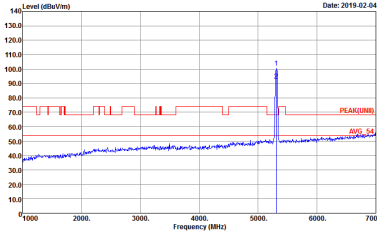
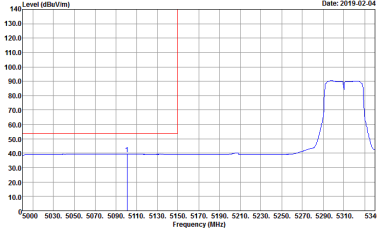


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 15	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 15
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 15	Left blank

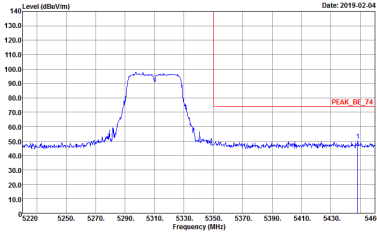
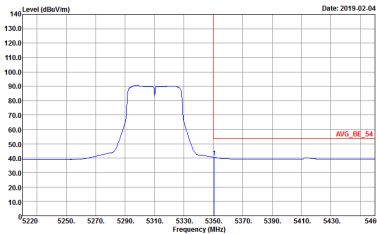


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 15	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 15	Left blank

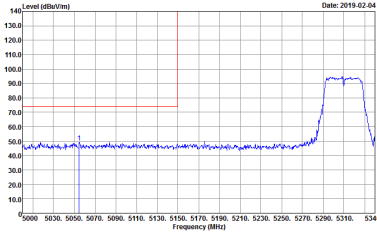
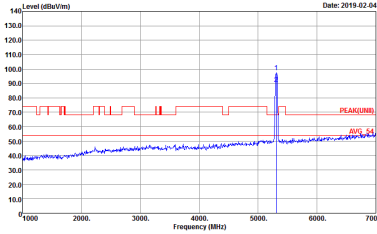
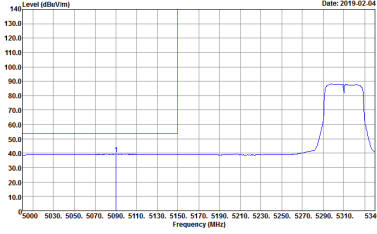


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 16	 Site : 03CH15-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 16
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 16	Left blank

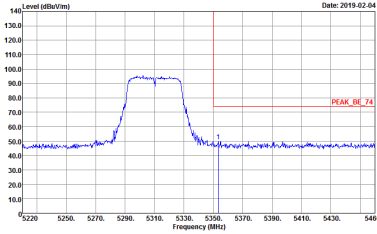
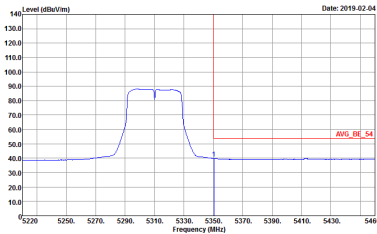


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 16	Left blank
Avg.	 Site : 03CH15-HV Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 16	Left blank



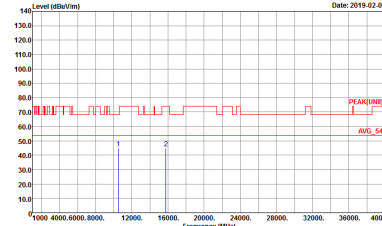
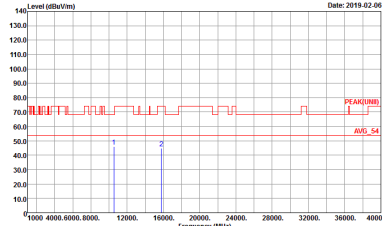
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 16	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 16
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 16	Left blank



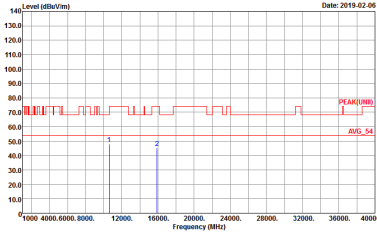
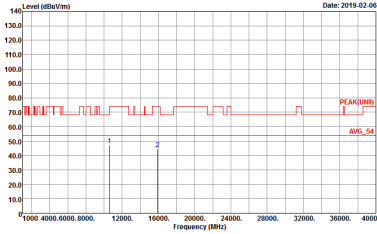
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 16	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 16	Left blank



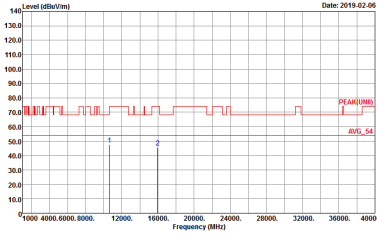
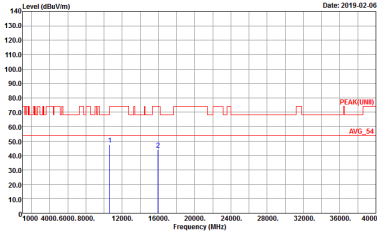
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 9	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 9



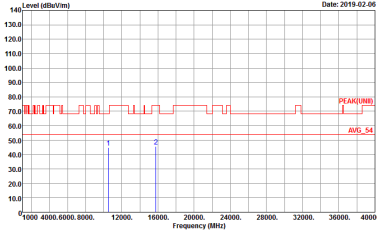
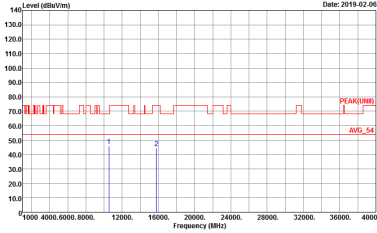
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 10	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 10



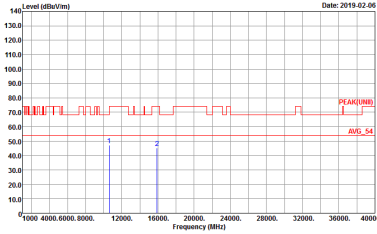
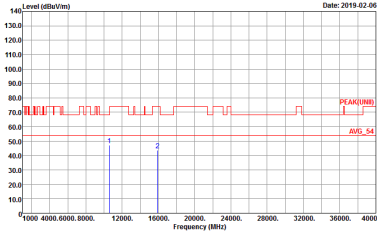
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNB) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 11	 Site : 03CHI5-HV Condition : PEAK(UNB) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 11



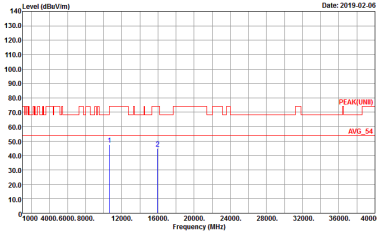
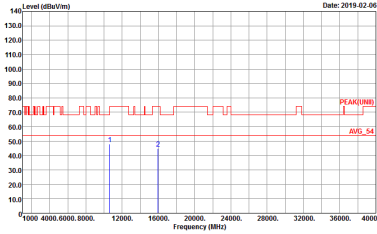
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 12	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 12



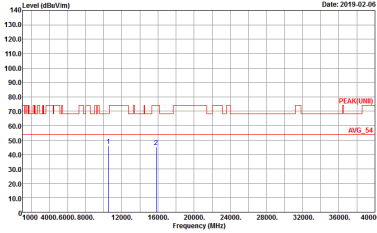
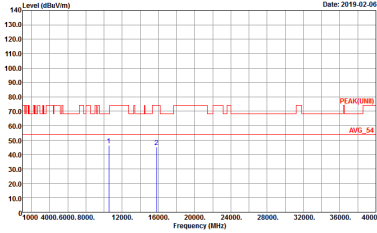
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNB) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 13	 Site : 03CHI5-HV Condition : PEAK(UNB) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 13



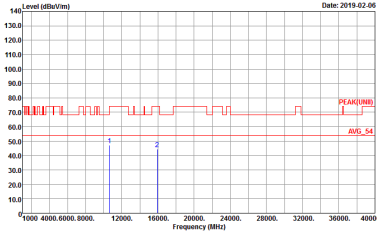
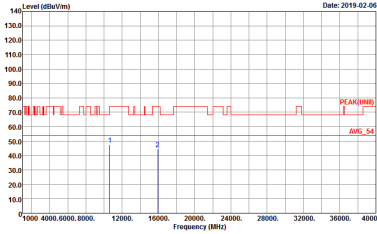
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 14	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 14



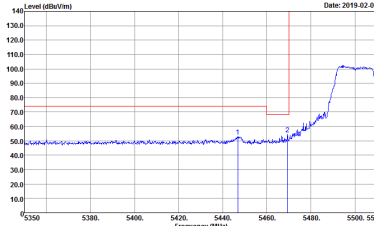
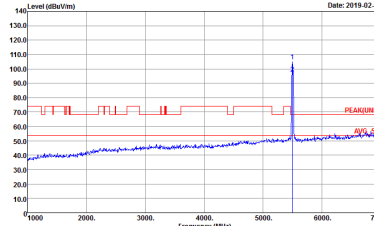
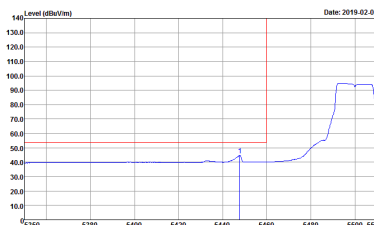
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 15	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 15

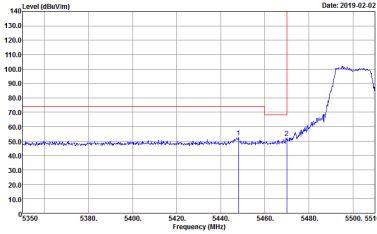
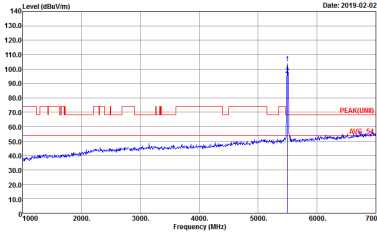
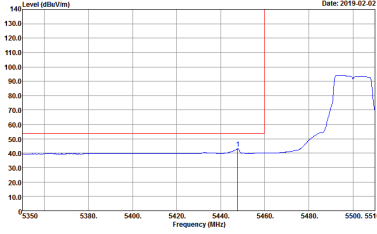


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 16	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 16

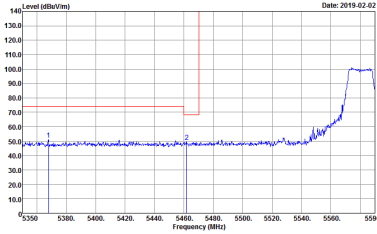
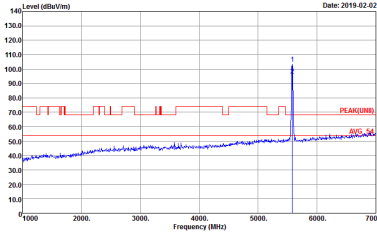
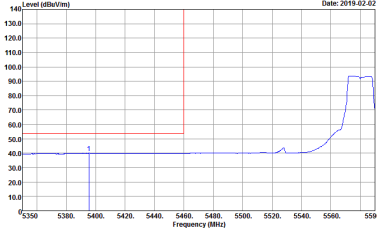
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 1B	 Site : 03CH15-HY Condition : PEAK(UNIT1) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 1B
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 1B	Left blank

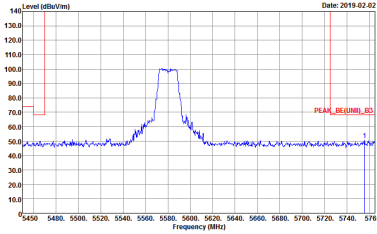


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 18	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 18
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 18	Left blank

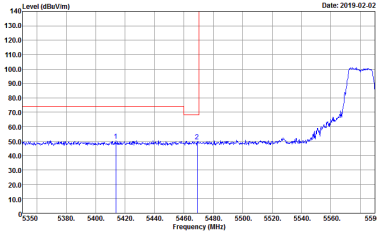
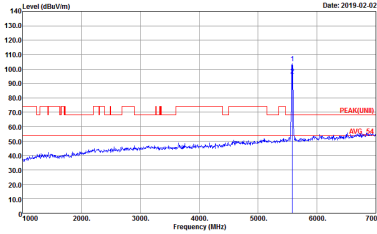
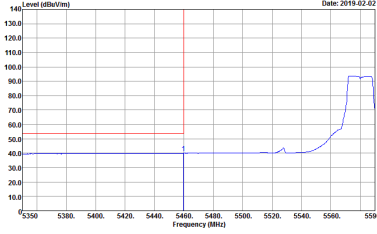


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 19	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 19
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 19	Left blank

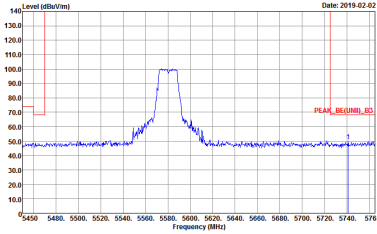


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 19	Left blank

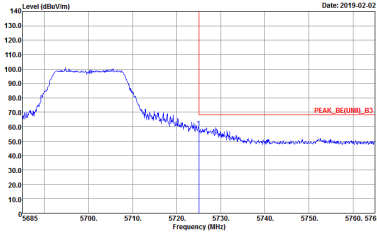
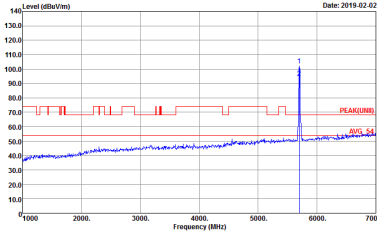


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 19	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 19
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 19	Left blank

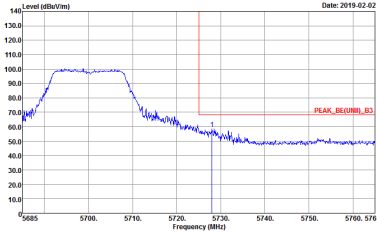
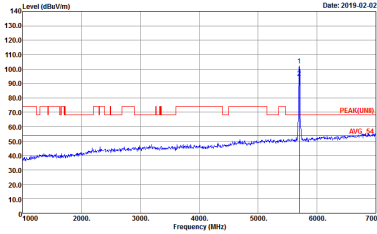


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 19	Left blank

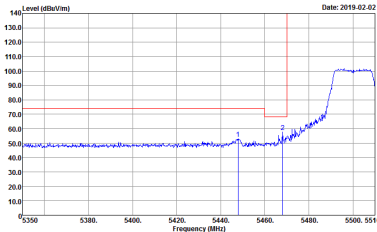
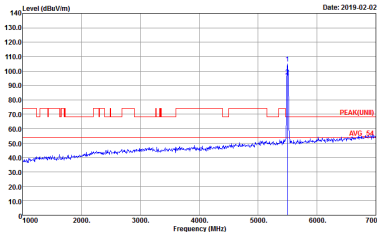
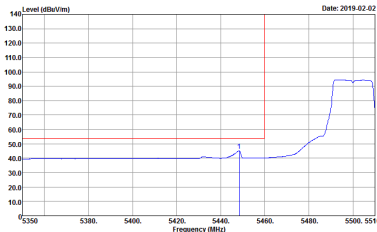


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 20	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 20

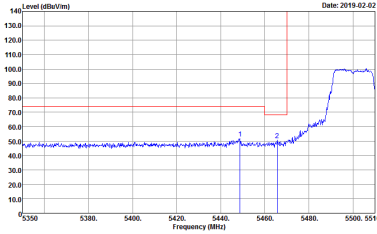
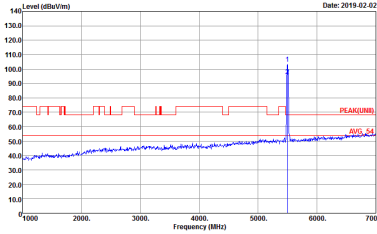
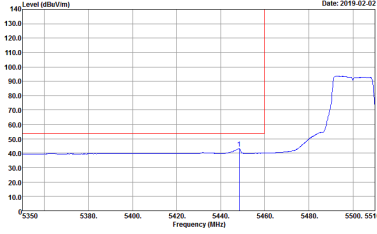


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CHI5-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 20	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 20

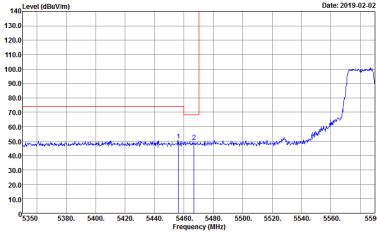
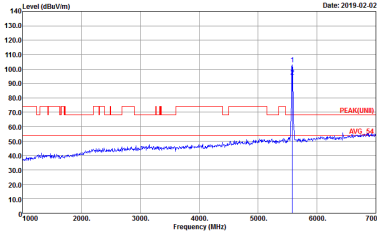
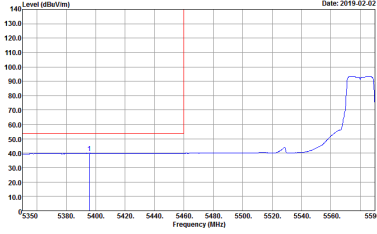
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : Z1	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : Z1
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : Z1	Left blank

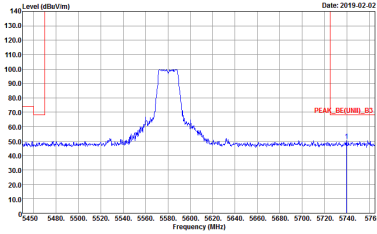


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : Z1	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : Z1
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : Z1	Left blank

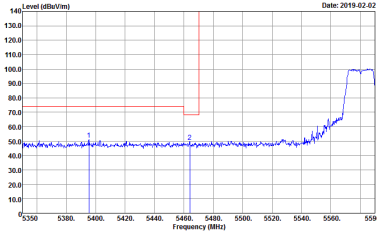
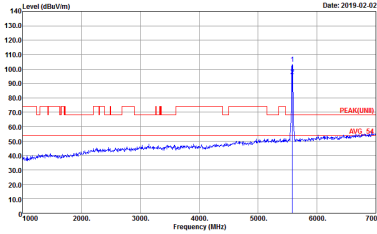
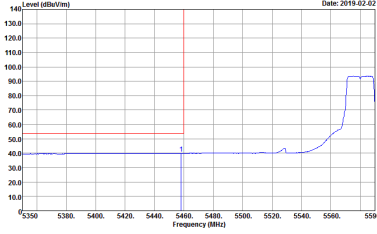


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 22	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 22
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 22	Left blank

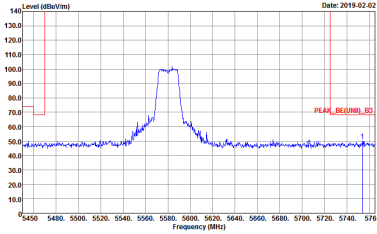


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000GHz VBW:3000.000GHz SWT:Auto Defector : Peak Project : 911608 Mode : 22	Left blank

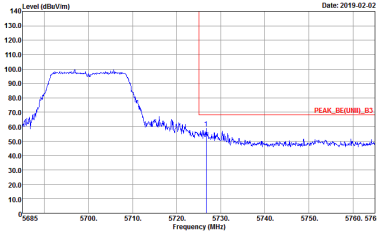
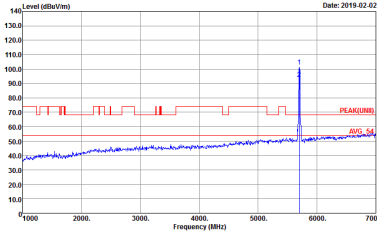


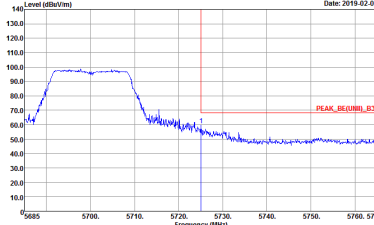
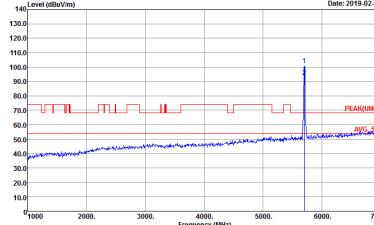
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 22	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 22
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 22	Left blank



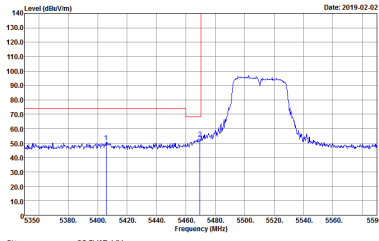
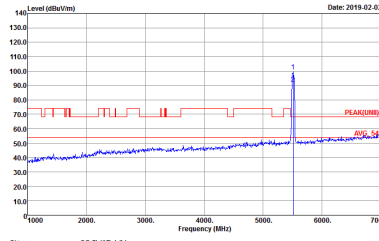
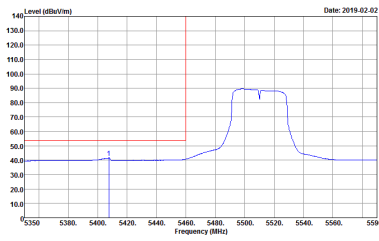
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : Z2	Left blank



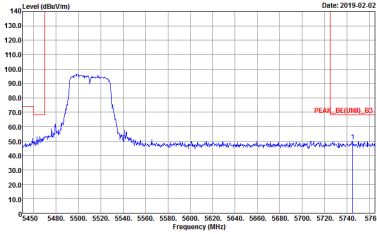
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 23	 Site : 03CH15-HV Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 23

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 23	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 23

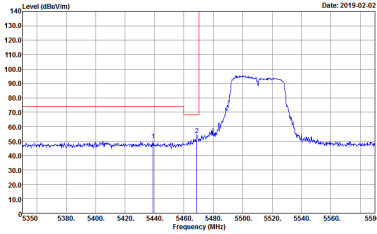
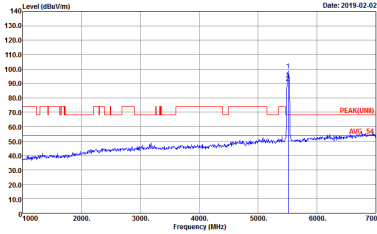
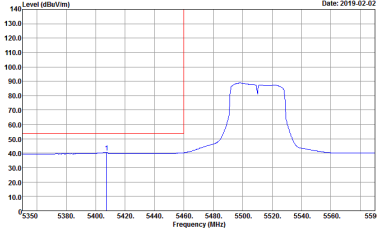
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 24	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 24
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 24	Left blank

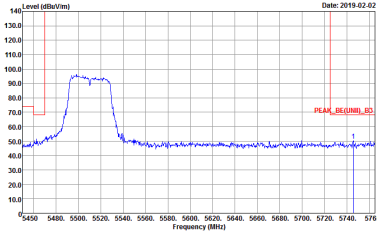


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Defector : Peak Project : 911608 Mode : 24	Left blank

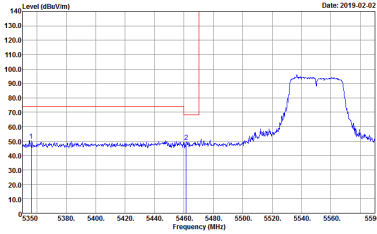
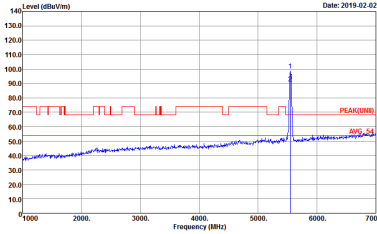
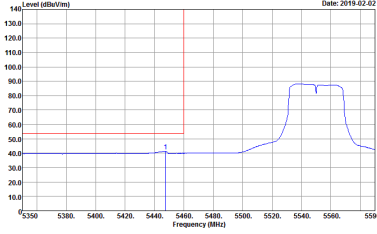


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 24	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 24
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 911608 Mode : 24	Left blank

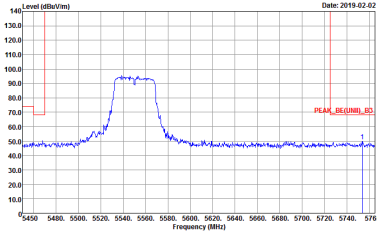


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTI:CAL Detector : Peak Project : 911608 Mode : 24	Left blank

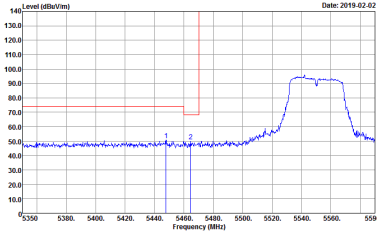
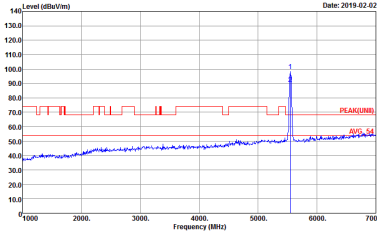
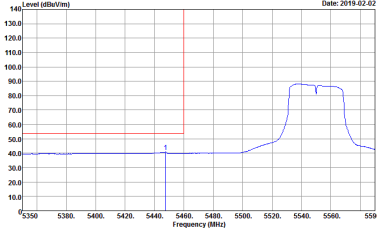


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 25	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 25
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 25	Left blank

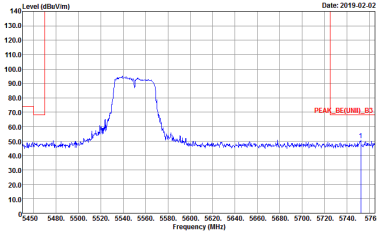


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 25	Left blank

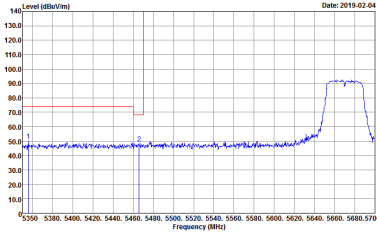
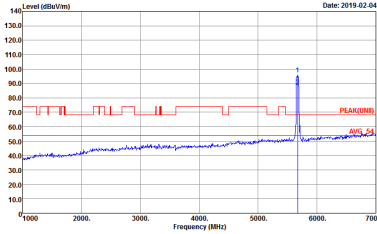
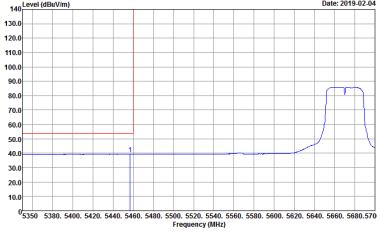


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 25	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 25
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 25	Left blank

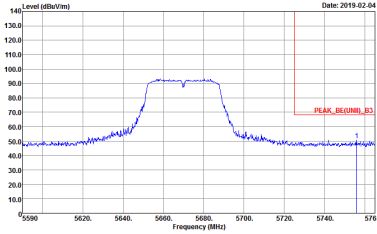


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 25	Left blank

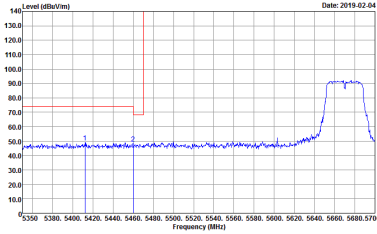
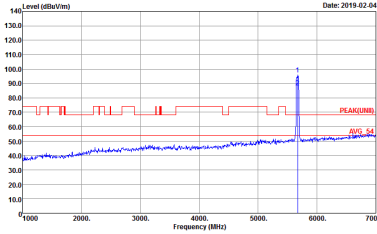
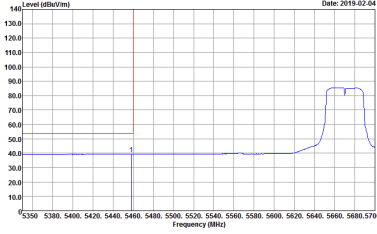


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 26	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 26
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 26	Left blank

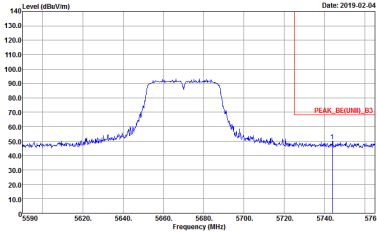


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Mode : 911608 26	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 26	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 26
Avg.	 Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 911608 Mode : 26	Left blank



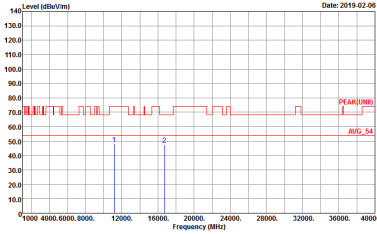
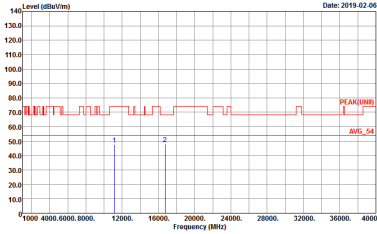
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : Z6	Left blank



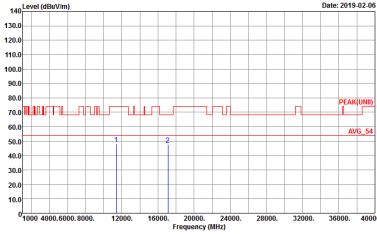
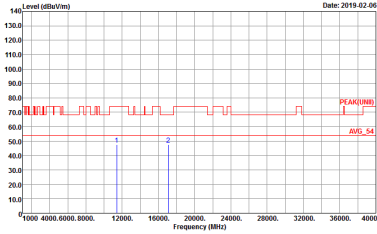
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 18	Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 18

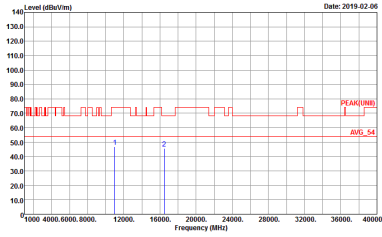
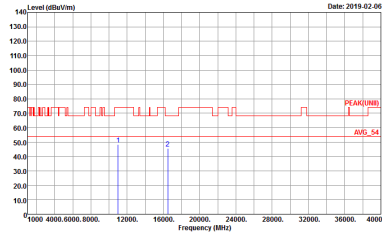


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 1P	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 1P

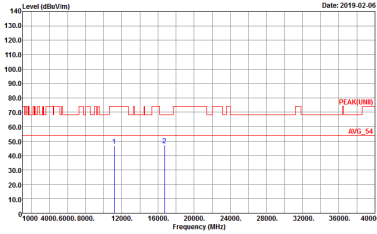
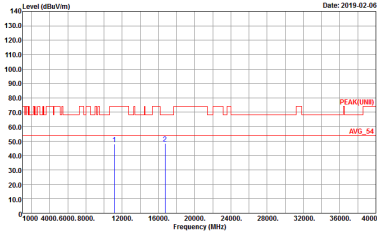


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 20	 Site : 03CHI5-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 20

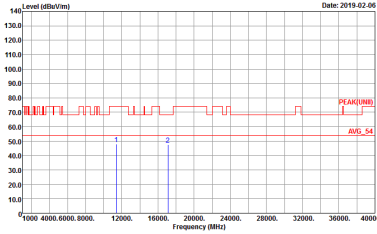
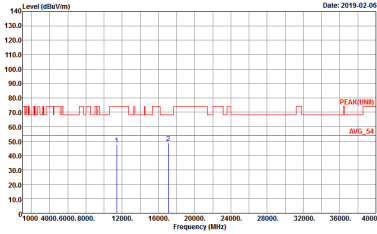
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 21	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 21

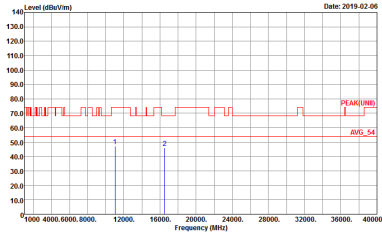
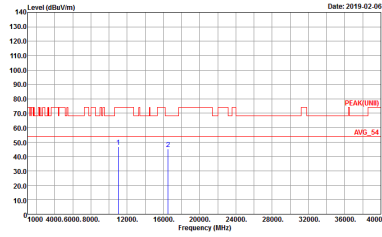


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNB) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 22	 Site : 03CHI5-HV Condition : PEAK(UNB) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 22

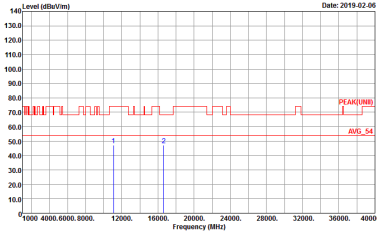
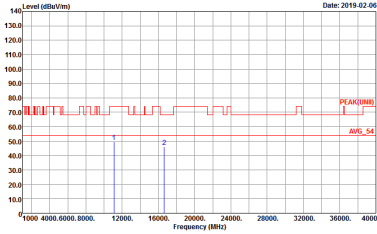


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNB) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 23	 Site : 03CHI5-HV Condition : PEAK(UNB) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 23

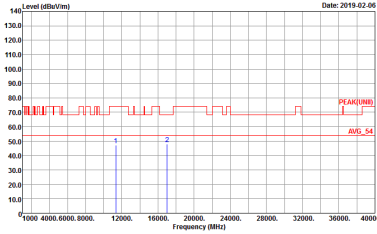
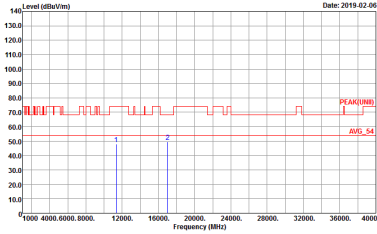
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UHB) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 24	 Site : 03CH15-HY Condition : PEAK(UHB) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 24



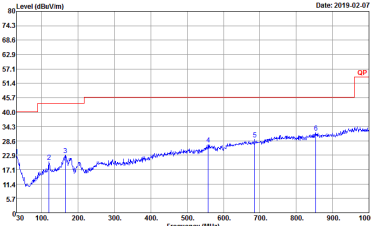
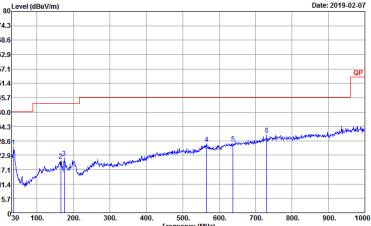
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HV Condition : PEAK(UWB) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 25	 Site : 03CH15-HV Condition : PEAK(UWB) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 25



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HV Condition : PEAK(UNB) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 911608 Mode : 20	 Site : 03CHI5-HV Condition : PEAK(UNB) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 911608 Mode : 20



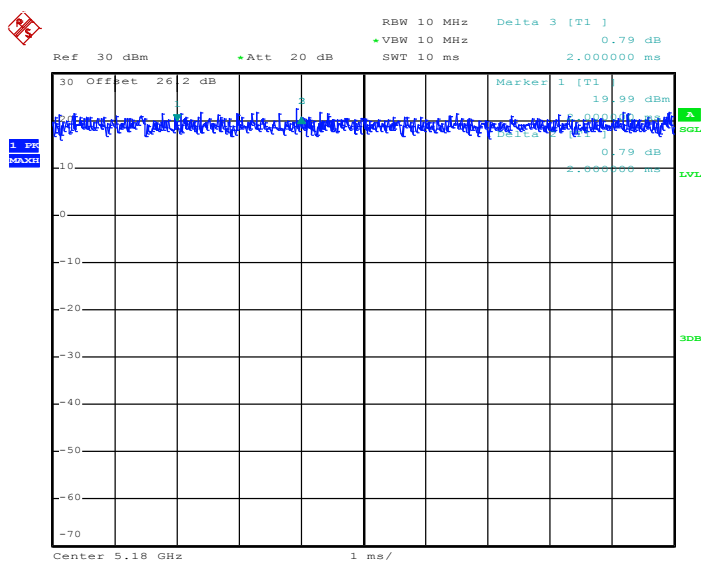
Emission below 1GHz
5GHz WIFI 802.11n HT20 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT20 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : QP 3m B1LOG_16_47020 HORIZONTAL Detector : Peak Project : 911608 Mode : 17	 Site : 03CH15-HY Condition : QP 3m B1LOG_16_47020 VERTICAL Detector : Peak Project : 911608 Mode : 17

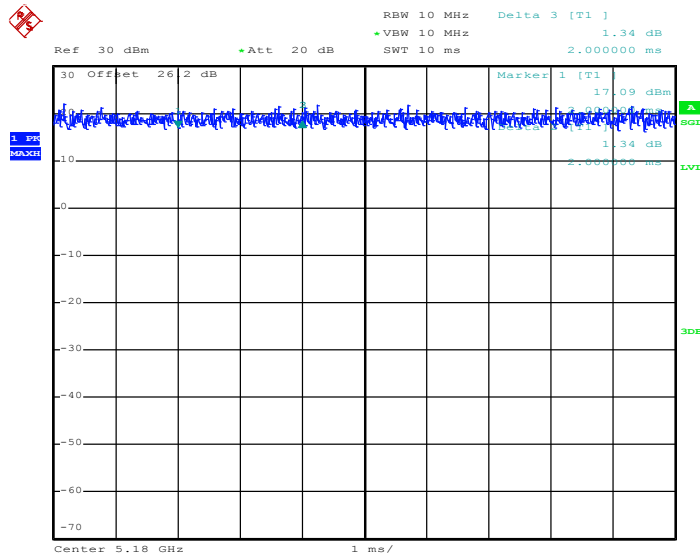
Appendix E. Duty Cycle Plots

Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor (dB)
802.11a	100.00	2000.00	0.50	10Hz	0.00
5GHz 802.11n HT20	100.00	2000.00	0.50	10Hz	0.00
5GHz 802.11n HT40	98.14	632.00	1.58	10Hz	0.08

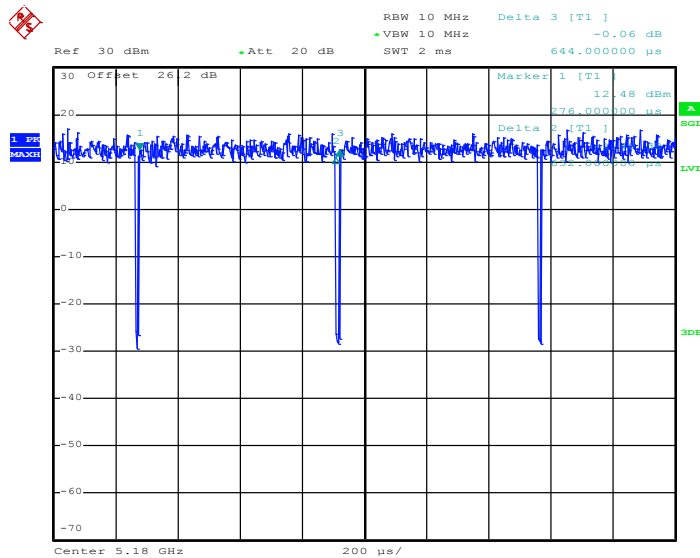
802.11a



Date: 31.JAN.2019 14:46:42

802.11n HT20


Date: 31.JAN.2019 15:14:44

802.11n HT40


Date: 31.JAN.2019 15:56:31