



FCC RF Test Report

APPLICANT : Fluke Corporation
EQUIPMENT : CableAnalyzer
BRAND NAME : Fluke
MODEL NAME : Versiv 2,DSX-602
FCC ID : T68-VERSIV2
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

This is a partial report. The product was received on Jun. 21, 2017 and testing was completed on Aug. 06, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

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Approved by: Jones Tsai / Manager



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR762122C	Rev. 01	Initial issue of report	Sep. 06, 2017
FR762122C	Rev. 02	Remove TDWR information in section 2.1.	Sep. 21, 2017



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
-	2.1049 15.403(i)	26dB & 99% Bandwidth	-	Not Required	-
3.1	15.407(a)	Maximum Conducted Output Power	FCC ≤ 24 dBm (depend on band)	Pass	-
-	15.407(a)	Power Spectral Density	FCC ≤ 11 dBm (depend on band)	Not Required	-
3.2	15.407(b)	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 3.98 dB at 36.750 MHz
3.3	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 15.7 dB at 0.366 MHz
-	15.407(g)	Frequency Stability	Within Operation Band	Not Required	-
3.5	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.6	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

Note: Not required means after assessing, test items are not necessary to carry out.



1 General Description

1.1 Applicant

Fluke Corporation
6920 Seaway Blvd, Everett, WA, 98203

1.2 Manufacturer

Fluke Corporation
6920 Seaway Blvd, Everett, WA, 98203

1.3 Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	Bluetooth: Chip Antenna WLAN: Ant. 1: Chip Antenna Ant. 2: Chip Antenna

1.4 Modification of EUT

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



1.5 Testing Location

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

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

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

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

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

1.6 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

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



2 Test Configuration of Equipment Under Test

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

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



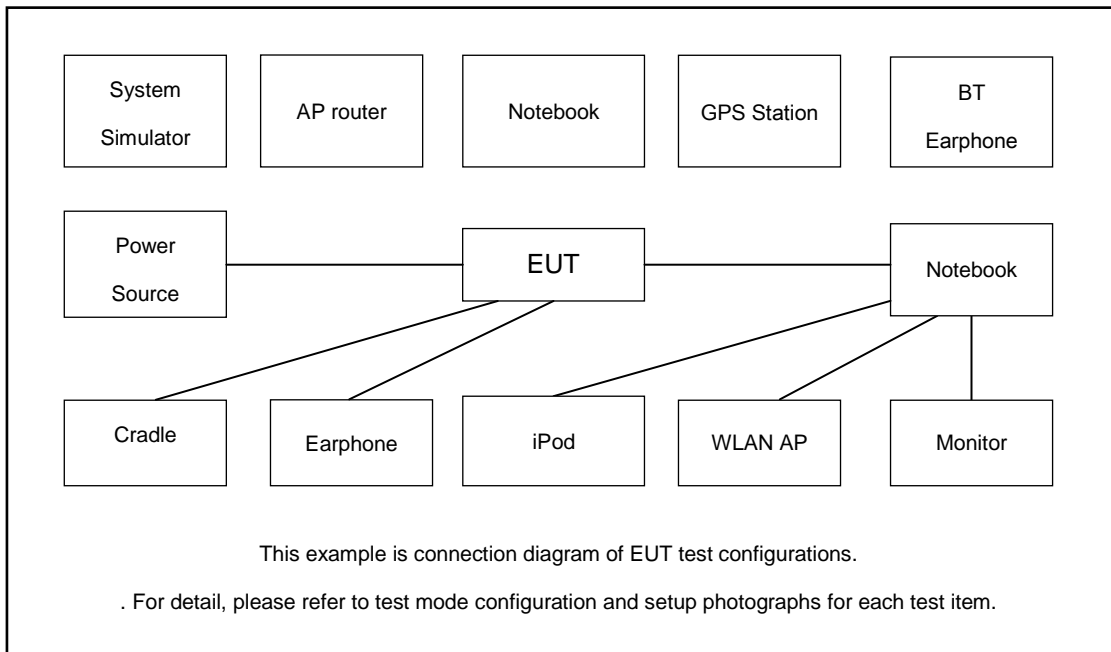
2.2 Test Mode

Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates as below table.

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + BLE Tx + LAN (Load) + USB cable connect to Notebook + USB port connect to USB storage devices + Earphone + Adapter

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-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
2.	iPod	Apple	A1285	DoC	Shielded, 1.0m	N/A
3.	iPod Earphone	Apple	A1285	DoC	UnShielded, 1.2m	N/A
4.	NOTE BOOK	Dell	P20G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	NOTE BOOK	Dell	Latitude E6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	USB Dongle	Transcend	TS8GJF300	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, programmed RF utility, “tera term” installed in the notebook make the EUT provide functions like channel selection and power level for continuous transmitting and receiving 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 Maximum Conducted Output Power Measurement

3.1.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

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 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 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

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

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.

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

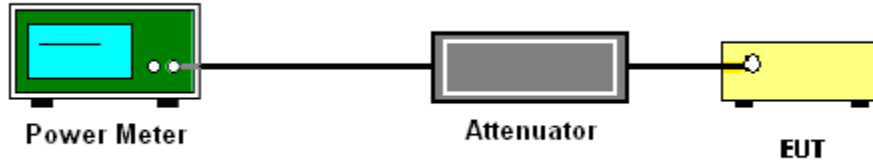
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04 for CDD modes.

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.

3.1.4 Test Setup

For normal channel:



3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.2 Unwanted Emissions Measurement

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

3.2.1 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 per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 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 (dB μ V/m)
-17	78.3
- 27	68.3

(3) KDB789033 D02 v01r04 G)2)c)

- (i) Sections 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).

3.2.2 Measuring Instruments

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



3.2.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r04. 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

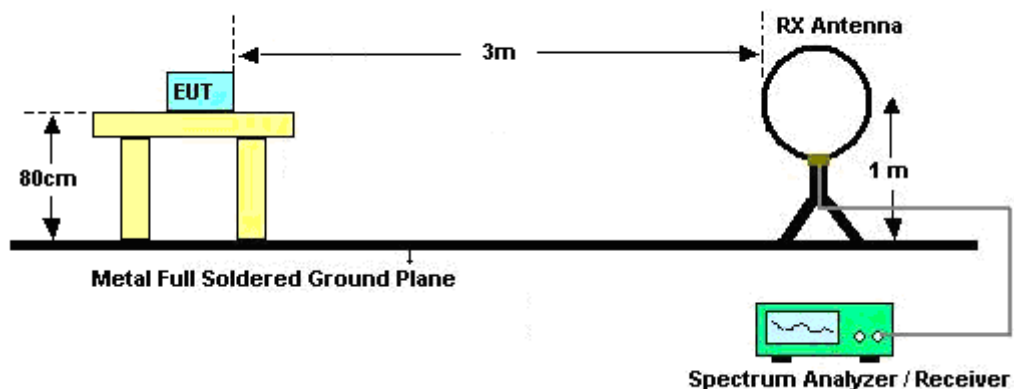
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

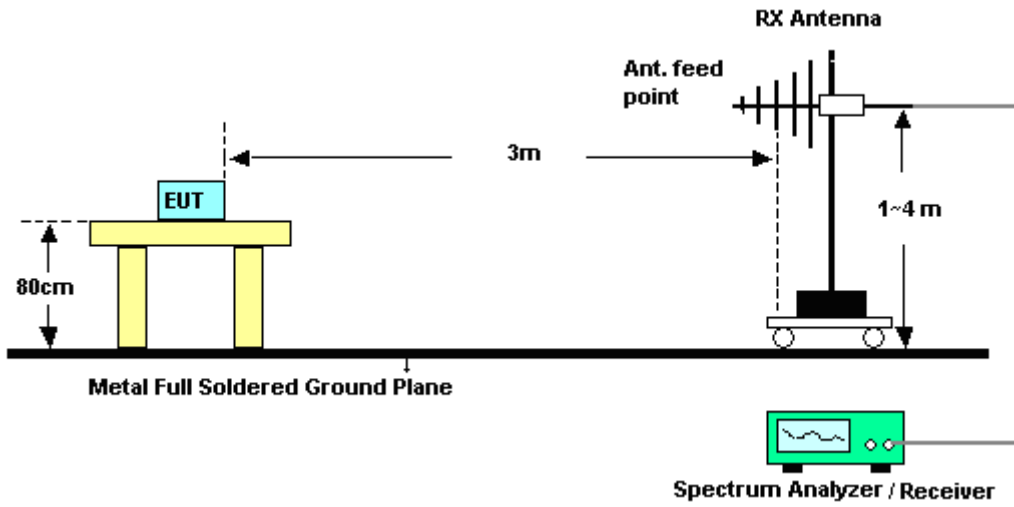
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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.

3.2.4 Test Setup

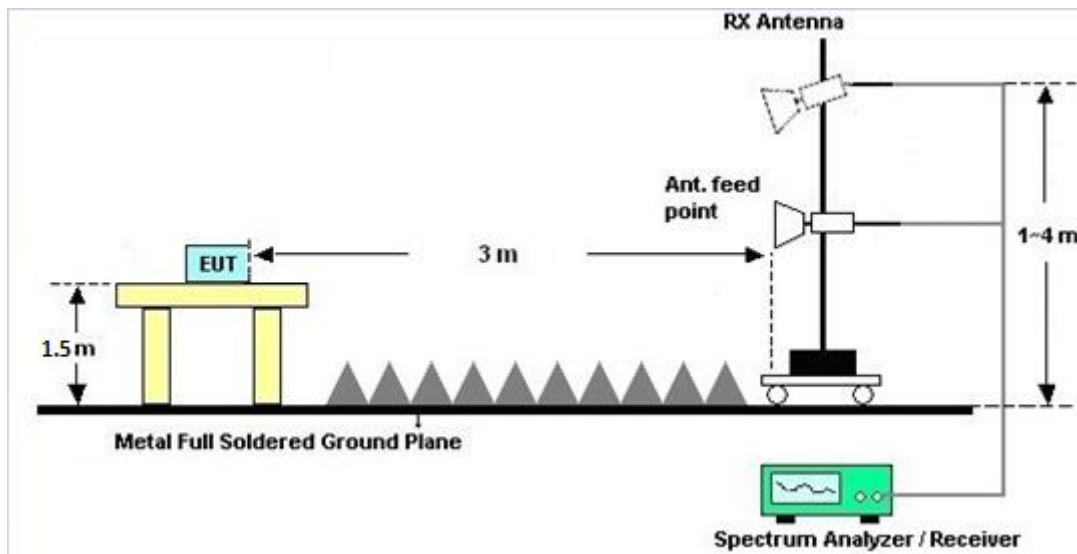
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz





3.2.5 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 semi-Anechoic chamber, and the result came out very similar.

3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.2.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



3.3 AC Conducted Emission Measurement

3.3.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

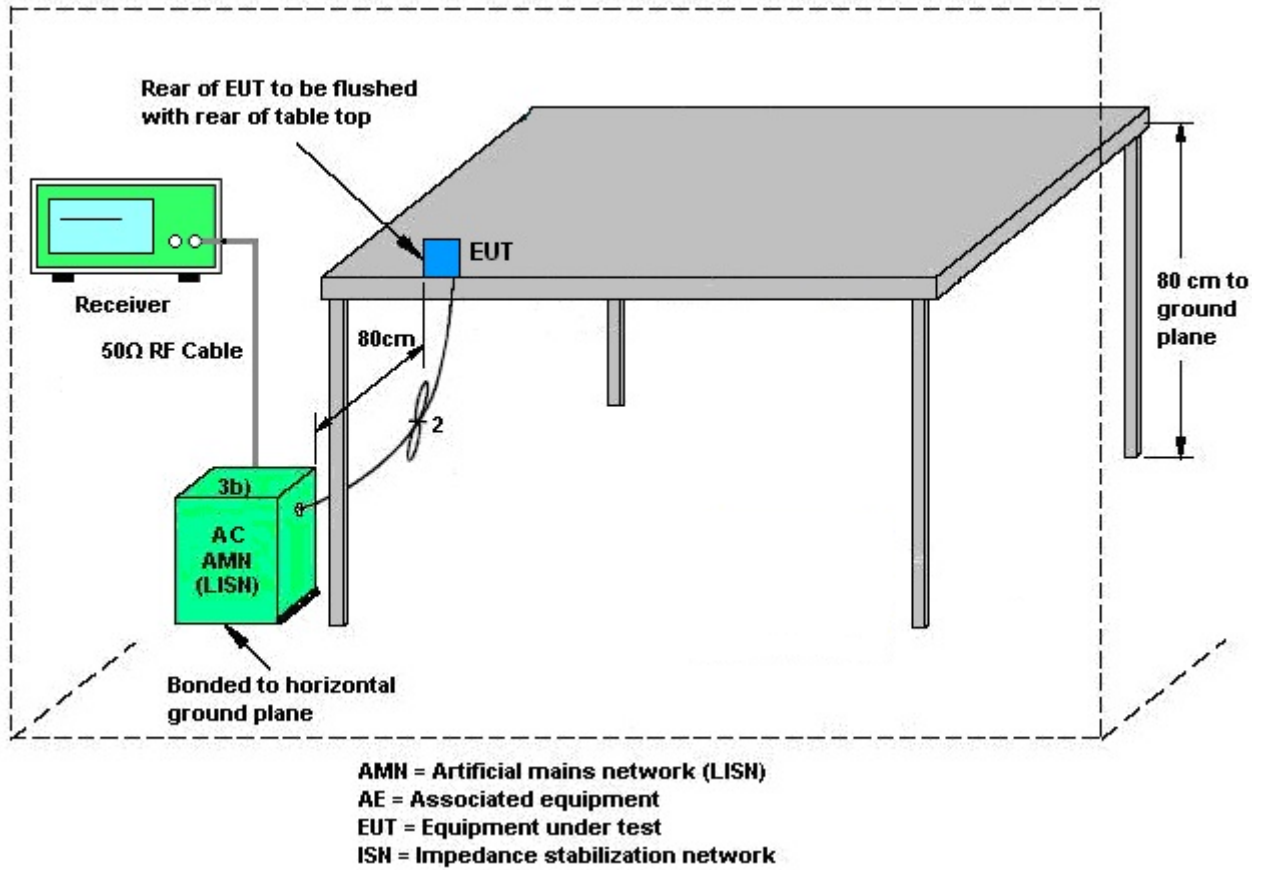
3.3.2 Measuring Instruments

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

3.3.3 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.

3.3.4 Test Setup



3.3.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.4 Frequency Stability Measurement

3.4.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

3.4.4 Test Setup



3.4.5 Test Result of Frequency Stability

Please refer to Appendix A.



3.5 Automatically Discontinue Transmission

3.5.1 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.

3.5.2 Measuring Instruments

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

3.5.3 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.



3.6 Antenna Requirements

3.6.1 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.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

$$\text{Directional gain} = G_{\text{ANT}} + \text{Array Gain, where Array Gain is as follows.}$$

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

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

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

The directional gain "DG" is calculated as following table.

	Ant 1	Ant 2	DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	4.50	4.50	4.50	7.51	0.00	1.51
Band II	4.50	4.50	4.50	7.51	0.00	1.51
Band III	4.50	4.50	4.50	7.51	0.00	1.51

$$\text{Power limit reduction} = \text{Composite gain} - 6\text{dBi, (min = 0)}$$

$$\text{PSD limit reduction} = \text{Composite gain} + \text{PSD Array gain} - 6\text{dBi, (min = 0)}$$



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	300MHz~40GHz	Sep. 29, 2016	Jul. 13, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Jul. 13, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jul. 17, 2016	Jul. 13, 2017	Jul. 16, 2017	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40°C ~90°C	Sep. 01, 2016	Jul. 13, 2017	Aug. 31, 2017	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 11, 2016	Jul. 13, 2017	Oct. 10, 2017	Conducted (TH05-HY)
AC Power Source	AC POWER	AFC-500W	F104070011	50Hz~60Hz	Dec 01.2016	Jul. 13, 2017	Nov 30 2017	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 06, 2017	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Aug. 06, 2017	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Aug. 06, 2017	Nov. 28, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 06, 2016	Aug. 06, 2017	Dec. 05, 2017	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	May 15, 2017	Jul. 22, 2017 ~ Jul. 26, 2017	May 14, 2019	Radiation (03CH15-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800	2025787	1G~18GHz	Feb. 13, 2017	Jul. 22, 2017 ~ Jul. 26, 2017	Feb. 12, 2018	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA917057 6	18GHz ~ 40GHz	Apr. 27, 2017	Jul. 22, 2017 ~ Jul. 26, 2017	Apr. 26, 2018	Radiation (03CH15-HY)
Preamplifier	MITEQ	TTA 1840-35-HG	1887435	18GHz ~ 40GHz	Oct. 13, 2016	Jul. 22, 2017 ~ Jul. 26, 2017	Oct. 12, 2017	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Nov. 09, 2016	Jul. 22, 2017 ~ Jul. 26, 2017	Nov. 08, 2017	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00 800N1D01N-0 6	41912&05	30MHz to 1GHz	Jan. 07, 2017	Jul. 22, 2017 ~ Jul. 26, 2017	Jan. 06, 2018	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	9120D-1620	1G~18GHz	Sep. 30, 2016	Jul. 22, 2017 ~ Jul. 26, 2017	Sep. 29, 2017	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 24, 2016	Jul. 22, 2017 ~ Jul. 26, 2017	Aug. 23, 2017	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 23, 2017	Jul. 22, 2017 ~ Jul. 26, 2017	Mar. 22, 2018	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jul. 22, 2017 ~ Jul. 26, 2017	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jul. 22, 2017 ~ Jul. 26, 2017	N/A	Radiation (03CH15-HY)



5 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.14
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.48
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.12
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Reece Lin	Temperature:	21~25	°C
Test Date:	2017/7/13	Relative Humidity:	51~54	%

TEST RESULTS DATA
Average Power Table

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.43	0.43	14.40	14.21		21.00	21.00	4.20	4.20	Pass
11a	6Mbps	1	44	5220	0.43	0.43	14.35	13.99		21.00	21.00	4.20	4.20	Pass
11a	6Mbps	1	48	5240	0.43	0.43	14.38	13.86		21.00	21.00	4.20	4.20	Pass
HT20	MCS0	1	36	5180	0.46	0.44	14.20	14.19		21.00	21.00	4.20	4.20	Pass
HT20	MCS0	1	44	5220	0.46	0.44	14.09	14.09		21.00	21.00	4.20	4.20	Pass
HT20	MCS0	1	48	5240	0.46	0.44	13.97	14.15		21.00	21.00	4.20	4.20	Pass
HT40	MCS0	1	38	5190	0.85	0.85	9.80	10.05		21.00	21.00	4.20	4.20	Pass
HT40	MCS0	1	46	5230	0.85	0.85	13.22	13.11		21.00	21.00	4.20	4.20	Pass

TEST RESULTS DATA
Average Power Table

FCC Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.43	0.43	11.45	11.78		23.98	23.98	4.20	4.20	26.99	Pass
11a	6Mbps	1	60	5300	0.43	0.43	11.40	11.94		23.98	23.98	4.20	4.20	26.99	Pass
11a	6Mbps	1	64	5320	0.43	0.43	11.03	11.73		23.98	23.98	4.20	4.20	26.99	Pass
HT20	MCS0	1	52	5260	0.46	0.44	10.99	11.78		23.98	23.98	4.20	4.20	26.99	Pass
HT20	MCS0	1	60	5300	0.46	0.44	11.36	11.90		23.98	23.98	4.20	4.20	26.99	Pass
HT20	MCS0	1	64	5320	0.46	0.44	11.07	11.88		23.98	23.98	4.20	4.20	26.99	Pass
HT40	MCS0	1	54	5270	0.85	0.85	11.94	11.95		23.98	23.98	4.20	4.20	26.99	Pass
HT40	MCS0	1	62	5310	0.85	0.85	10.06	10.47		23.98	23.98	4.20	4.20	26.99	Pass

TEST RESULTS DATA
Average Power Table

FCC Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.43	0.43	11.98	13.23		23.98	23.98	4.20	4.20	26.99	Pass
11a	6Mbps	1	116	5580	0.43	0.43	13.33	13.83		23.98	23.98	4.20	4.20	26.99	Pass
11a	6Mbps	1	140	5700	0.43	0.43	10.23	10.45		23.98	23.98	4.20	4.20	26.99	Pass
HT20	MCS0	1	100	5500	0.46	0.44	11.99	13.33		23.98	23.98	4.20	4.20	26.99	Pass
HT20	MCS0	1	116	5580	0.46	0.44	13.46	14.19		23.98	23.98	4.20	4.20	26.99	Pass
HT20	MCS0	1	140	5700	0.46	0.44	10.43	10.64		23.98	23.98	4.20	4.20	26.99	Pass
HT40	MCS0	1	102	5510	0.85	0.85	9.95	11.15		23.98	23.98	4.20	4.20	26.99	Pass
HT40	MCS0	1	110	5550	0.85	0.85	12.34	14.00		23.98	23.98	4.20	4.20	26.99	Pass
HT40	MCS0	1	134	5670	0.85	0.85	11.25	11.55		23.98	23.98	4.20	4.20	26.99	Pass



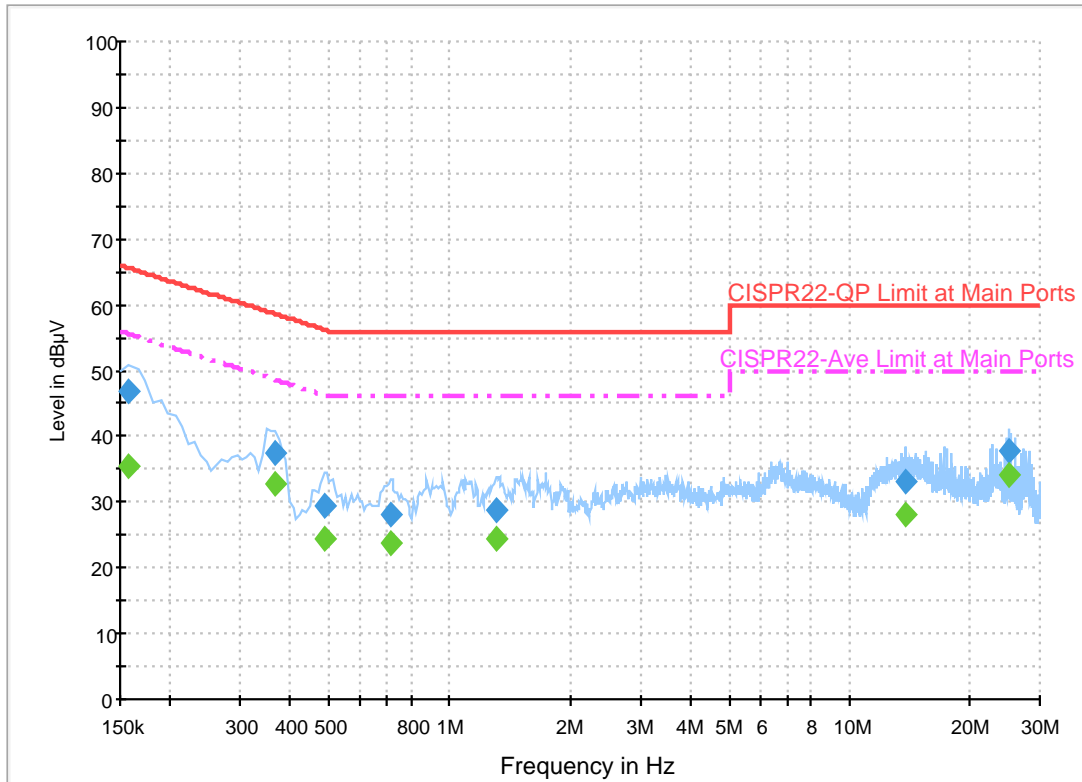
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Kai-Chun Chu	Temperature :	26~27°C
		Relative Humidity :	53~54%

EUT Information

Report NO : 762122
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

ENV216 Auto Test FCC Power Bar - N



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	46.7	Off	N	19.5	18.9	65.6
0.366000	37.5	Off	N	19.5	21.1	58.6
0.486000	29.3	Off	N	19.5	26.9	56.2
0.710000	28.2	Off	N	19.5	27.8	56.0
1.310000	28.8	Off	N	19.6	27.2	56.0
13.878000	33.2	Off	N	20.3	26.8	60.0
25.126000	37.7	Off	N	21.0	22.3	60.0

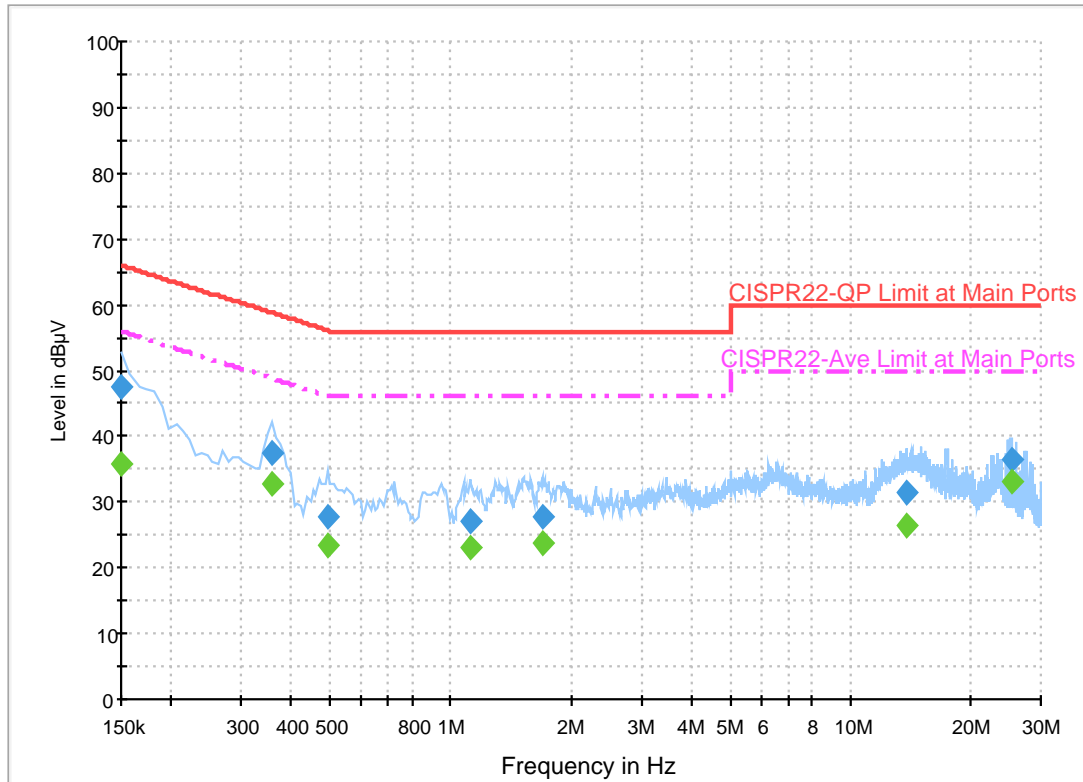
Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	35.4	Off	N	19.5	20.2	55.6
0.366000	32.9	Off	N	19.5	15.7	48.6
0.486000	24.6	Off	N	19.5	21.6	46.2
0.710000	23.7	Off	N	19.5	22.3	46.0
1.310000	24.4	Off	N	19.6	21.6	46.0
13.878000	27.9	Off	N	20.3	22.1	50.0
25.126000	34.2	Off	N	21.0	15.8	50.0

EUT Information

Report NO : 762122
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

ENV216 Auto Test FCC Power Bar - L



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	47.5	Off	L1	19.6	18.5	66.0
0.358000	37.6	Off	L1	19.6	21.2	58.8
0.494000	27.8	Off	L1	19.6	28.3	56.1
1.118000	27.2	Off	L1	19.6	28.8	56.0
1.694000	27.6	Off	L1	19.6	28.4	56.0
13.854000	31.5	Off	L1	20.3	28.5	60.0
25.502000	36.5	Off	L1	20.8	23.5	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	35.7	Off	L1	19.6	20.3	56.0
0.358000	32.9	Off	L1	19.6	15.9	48.8
0.494000	23.3	Off	L1	19.6	22.8	46.1
1.118000	23.1	Off	L1	19.6	22.9	46.0
1.694000	23.6	Off	L1	19.6	22.4	46.0
13.854000	26.3	Off	L1	20.3	23.7	50.0
25.502000	33.1	Off	L1	20.8	16.9	50.0



Appendix C. Cabinet Radiation Data

Test Engineer :	Karl Hou and Watt Tseng	Temperature :	22~24°C
		Relative Humidity :	45~47%

<Antenna 1>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 36 5180MHz		5123.76	48.37	-25.63	74	40.65	31.97	5.87	30.12	248	124	P	H	
		5144.3	38.35	-15.65	54	30.6	31.97	5.9	30.12	248	124	A	H	
	*	5180	91.24	-	-	83.49	31.96	5.92	30.13	248	124	P	H	
	*	5180	84.02	-	-	76.27	31.96	5.92	30.13	248	124	A	H	
		5069.42	48.23	-25.77	74	40.52	31.99	5.83	30.11	287	49	P	V	
		5139.88	38.34	-15.66	54	30.61	31.97	5.88	30.12	287	49	A	V	
	*	5180	87.02	-	-	79.27	31.96	5.92	30.13	287	49	P	V	
	*	5180	79.76	-	-	72.01	31.96	5.92	30.13	287	49	A	V	
														V
														V
802.11a CH 44 5220MHz		5111.54	47.38	-26.62	74	39.64	31.98	5.87	30.11	245	128	P	H	
		5107.64	38.55	-15.45	54	30.81	31.98	5.87	30.11	245	128	A	H	
	*	5220	91.23	-	-	83.46	31.96	5.95	30.14	245	128	P	H	
	*	5220	84.42	-	-	76.65	31.96	5.95	30.14	245	128	A	H	
		5422.48	46.39	-27.61	74	38.62	31.92	6.03	30.18	245	128	P	H	
		5451.88	37.7	-16.3	54	29.91	31.91	6.07	30.19	245	128	A	H	
		5042.64	47.72	-26.28	74	40.02	31.99	5.81	30.1	298	49	P	V	
		5110.5	38.33	-15.67	54	30.59	31.98	5.87	30.11	298	49	A	V	
	*	5220	87.65	-	-	79.88	31.96	5.95	30.14	298	49	P	V	
	*	5220	80.34	-	-	72.57	31.96	5.95	30.14	298	49	A	V	
		5408.2	47.09	-26.91	74	39.33	31.92	6.02	30.18	298	49	P	V	
		5444.6	37.62	-16.38	54	29.85	31.91	6.05	30.19	298	49	A	V	



802.11a CH 48 5240MHz		5142.74	47.67	-26.33	74	39.92	31.97	5.9	30.12	244	127	P	H
		5137.8	38.25	-15.75	54	30.52	31.97	5.88	30.12	244	127	A	H
	*	5240	90.89	-	-	83.13	31.95	5.95	30.14	244	127	P	H
	*	5240	83.8	-	-	76.04	31.95	5.95	30.14	244	127	A	H
		5352.76	47.33	-26.67	74	39.58	31.93	5.99	30.17	244	127	P	H
		5454.68	37.54	-16.46	54	29.75	31.91	6.07	30.19	244	127	A	H
		5008.06	47.06	-26.94	74	39.36	32	5.79	30.09	338	49	P	V
		5110.5	38.23	-15.77	54	30.49	31.98	5.87	30.11	338	49	A	V
	*	5240	88	-	-	80.24	31.95	5.95	30.14	338	49	P	V
	*	5240	80.62	-	-	72.86	31.95	5.95	30.14	338	49	A	V
		5432.28	45.67	-28.33	74	37.9	31.91	6.05	30.19	338	49	P	V
		5459.16	37.49	-16.51	54	29.7	31.91	6.07	30.19	338	49	A	V
Remark	<ol style="list-style-type: none"> 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 (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	46.19	-22.01	68.2	61.97	39.27	9.69	65.2	100	0	P	H
		15540	45.61	-28.39	74	59.26	37.47	12.25	63.98	100	0	P	H
													H
													H
		10360	47.32	-20.88	68.2	63.1	39.27	9.69	65.2	100	0	P	V
		15540	46.15	-27.85	74	59.8	37.47	12.25	63.98	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	46.45	-21.75	68.2	61.94	39.49	9.72	65.2	100	0	P	H
		15660	46.02	-27.98	74	59.88	37.38	12.33	64.24	100	0	P	H
													H
													H
		10440	46.78	-21.42	68.2	62.27	39.49	9.72	65.2	100	0	P	V
		15660	44.7	-29.3	74	58.56	37.38	12.33	64.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	47.11	-21.09	68.2	62.4	39.65	9.75	65.2	100	0	P	H
		15720	44.36	-29.64	74	58.38	37.32	12.37	64.39	100	0	P	H
													H
													H
		10480	46.72	-21.48	68.2	62.01	39.65	9.75	65.2	100	0	P	V
		15720	44.84	-29.16	74	58.86	37.32	12.37	64.39	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	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5124.78	47.66	-26.34	74	39.93	31.97	5.88	30.12	248	129	P	H
		5114.92	38.22	-15.78	54	30.48	31.98	5.87	30.11	248	129	A	H
	*	5260	87.18	-	-	79.42	31.95	5.96	30.15	248	129	P	H
	*	5260	79.75	-	-	71.99	31.95	5.96	30.15	248	129	A	H
		5366.64	46.38	-27.62	74	38.62	31.93	6	30.17	248	129	P	H
		5438.88	37.53	-16.47	54	29.76	31.91	6.05	30.19	248	129	A	H
		5062.56	47.81	-26.19	74	40.09	31.99	5.83	30.1	296	49	P	V
		5082.96	38.27	-15.73	54	30.56	31.98	5.84	30.11	296	49	A	V
	*	5260	84.76	-	-	77	31.95	5.96	30.15	296	49	P	V
	*	5260	77.61	-	-	69.85	31.95	5.96	30.15	296	49	A	V
		5430.48	46.46	-27.54	74	38.69	31.91	6.05	30.19	296	49	P	V
		5426.64	37.54	-16.46	54	29.78	31.92	6.03	30.19	296	49	A	V
802.11a CH 60 5300MHz		5113.9	47.05	-26.95	74	39.31	31.98	5.87	30.11	241	126	P	H
		5064.26	38.23	-15.77	54	30.51	31.99	5.83	30.1	241	126	A	H
	*	5300	85.98	-	-	78.23	31.94	5.97	30.16	241	126	P	H
	*	5300	79.64	-	-	71.89	31.94	5.97	30.16	241	126	A	H
		5410.08	46.43	-27.57	74	38.67	31.92	6.02	30.18	241	126	P	H
		5433.36	37.54	-16.46	54	29.77	31.91	6.05	30.19	241	126	A	H
		5132.26	47.73	-26.27	74	40	31.97	5.88	30.12	307	48	P	V
		5082.62	38.23	-15.77	54	30.52	31.98	5.84	30.11	307	48	A	V
	*	5300	85.1	-	-	77.35	31.94	5.97	30.16	307	48	P	V
	*	5300	77.79	-	-	70.04	31.94	5.97	30.16	307	48	A	V
		5445.36	47.88	-26.12	74	40.11	31.91	6.05	30.19	307	48	P	V
		5448.48	37.45	-16.55	54	29.66	31.91	6.07	30.19	307	48	A	V



802.11a CH 64 5320MHz	*	5320	85.95	-	-	78.19	31.94	5.98	30.16	244	126	P	H
	*	5320	79.09	-	-	71.33	31.94	5.98	30.16	244	126	A	H
		5456.64	46.02	-27.98	74	38.23	31.91	6.07	30.19	244	126	P	H
		5438.72	37.69	-16.31	54	29.92	31.91	6.05	30.19	244	126	A	H
													H
													H
	*	5320	84.39	-	-	76.63	31.94	5.98	30.16	324	48	P	V
	*	5320	77.17	-	-	69.41	31.94	5.98	30.16	324	48	A	V
		5372.64	46.47	-27.53	74	38.71	31.93	6	30.17	324	48	P	V
		5450.56	37.61	-16.39	54	29.82	31.91	6.07	30.19	324	48	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 (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.76	-21.44	68.2	61.94	39.74	9.77	65.2	100	0	P	H
		15780	46.03	-27.97	74	60.16	37.28	12.41	64.51	100	0	P	H
													H
													H
		10520	47.45	-20.75	68.2	62.63	39.74	9.77	65.2	100	0	P	V
		15780	44.4	-29.6	74	58.53	37.28	12.41	64.51	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	47.1	-26.9	74	62.04	39.95	9.8	65.18	100	0	P	H
		15900	43.58	-30.42	74	57.97	37.18	12.49	64.77	100	0	P	H
													H
													H
		10600	47.56	-26.44	74	62.5	39.95	9.8	65.18	100	0	P	V
		15900	44.06	-29.94	74	58.45	37.18	12.49	64.77	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	46.72	-27.28	74	61.56	40.03	9.82	65.17	100	0	P	H
		15960	44.18	-29.82	74	58.83	37.13	12.52	64.92	100	0	P	H
													H
													H
		10640	47.85	-26.15	74	62.69	40.03	9.82	65.17	100	0	P	V
		15960	45.33	-28.67	74	59.98	37.13	12.52	64.92	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	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 100 5500MHz		5413.68	46.55	-27.45	74	38.78	31.92	6.03	30.18	244	287	P	H	
		5460.56	44.55	-23.65	68.2	36.76	31.91	6.07	30.19	244	287	P	H	
		5443.6	37.45	-16.55	54	29.68	31.91	6.05	30.19	244	287	A	H	
	*	5500	84.33	-	-	76.53	31.9	6.1	30.2	244	287	P	H	
	*	5500	78.07	-	-	70.27	31.9	6.1	30.2	244	287	A	H	
														H
			5365.36	46.67	-27.33	74	38.91	31.93	6	30.17	304	42	P	V
			5467.28	44.93	-23.27	68.2	37.12	31.91	6.09	30.19	304	42	P	V
			5437.36	37.45	-16.55	54	29.68	31.91	6.05	30.19	304	42	A	V
	*		5500	83.57	-	-	75.77	31.9	6.1	30.2	304	42	P	V
	*		5500	76.98	-	-	69.18	31.9	6.1	30.2	304	42	A	V
														V
802.11a CH 116 5580MHz		5421.76	46.7	-27.3	74	38.93	31.92	6.03	30.18	244	99	P	H	
		5460.16	45.21	-22.99	68.2	37.42	31.91	6.07	30.19	244	99	P	H	
		5459.68	37.48	-16.52	54	29.69	31.91	6.07	30.19	244	99	A	H	
	*	5580	85.51	-	-	77.53	32.04	6.19	30.25	244	99	P	H	
	*	5580	79.99	-	-	72.01	32.04	6.19	30.25	244	99	A	H	
			5764.685	47.88	-20.32	68.2	39.55	32.42	6.25	30.34	244	99	P	H
			5410.24	46.88	-27.12	74	39.12	31.92	6.02	30.18	326	40	P	V
			5462.56	44.36	-23.84	68.2	36.57	31.91	6.07	30.19	326	40	P	V
			5451.04	37.52	-16.48	54	29.73	31.91	6.07	30.19	326	40	A	V
	*		5580	83.53	-	-	75.55	32.04	6.19	30.25	326	40	P	V
	*		5580	77.15	-	-	69.17	32.04	6.19	30.25	326	40	A	V
			5741.375	47.41	-20.79	68.2	39.12	32.38	6.24	30.33	326	40	P	V



802.11a CH 140 5700MHz	*	5700	81.9	-	-	73.69	32.28	6.23	30.3	244	99	P	H
	*	5700	74.93	-	-	66.72	32.28	6.23	30.3	244	99	A	H
		5760.275	46.43	-21.77	68.2	38.1	32.42	6.25	30.34	244	99	P	H
													H
													H
													H
	*	5700	79.85	-	-	71.64	32.28	6.23	30.3	250	221	P	V
	*	5700	72.89	-	-	64.68	32.28	6.23	30.3	250	221	A	V
		5753.345	48.18	-20.02	68.2	39.85	32.42	6.24	30.33	250	221	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 (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.93	-26.07	74	61.67	40.9	10	65.1	100	0	P	H
		16500	45.05	-23.15	68.2	59.06	38.1	12.62	65.1	100	0	P	H
													H
													H
		11000	48.26	-25.74	74	62	40.9	10	65.1	100	0	P	V
		16500	45.57	-22.63	68.2	59.58	38.1	12.62	65.1	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.11	-25.89	74	62.2	40.43	10.11	65.2	100	0	P	H
		16740	45.16	-23.04	68.2	57.45	39.4	12.65	64.86	100	0	P	H
													H
													H
		11160	47.43	-26.57	74	61.52	40.43	10.11	65.2	100	0	P	V
		16740	45.6	-22.6	68.2	57.89	39.4	12.65	64.86	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.09	-26.91	74	61.69	39.78	10.27	65.34	100	0	P	H
		17100	49.07	-19.13	68.2	59.12	41.26	12.72	64.46	100	0	P	H
													H
													H
		11400	47.37	-26.63	74	61.97	39.78	10.27	65.34	100	0	P	V
		17100	49.38	-18.82	68.2	59.43	41.26	12.72	64.46	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 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a LF		112.62	32.13	-11.37	43.5	46.61	17.18	0.86	32.59	-	-	P	H	
		264.09	33.28	-12.72	46	44.56	19.78	1.29	32.54	-	-	P	H	
		285.96	35.42	-10.58	46	47.48	18.98	1.33	32.55	100	0	P	H	
		337.1	33.06	-12.94	46	44.05	20.06	1.44	32.56	-	-	P	H	
		390.3	33.09	-12.91	46	42.47	21.55	1.55	32.56	-	-	P	H	
		409.2	33	-13	46	41.63	22.28	1.58	32.57	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
			34.05	35.94	-4.06	40	45.7	22.36	0.46	32.59	100	0	P	V
			104.52	27.78	-15.72	43.5	42.94	16.57	0.79	32.6	-	-	P	V
			266.52	35.09	-10.91	46	46.53	19.62	1.29	32.54	-	-	P	V
			337.8	29.9	-16.1	46	40.89	20.06	1.44	32.56	-	-	P	V
			390.3	27.95	-18.05	46	37.33	21.55	1.55	32.56	-	-	P	V
			554.1	29.7	-16.3	46	34.58	25.72	1.85	32.64	-	-	P	V
													V	
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<Antenna 2>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
2		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 36 5180MHz		5089.7	47.83	-26.17	74	40.1	31.98	5.86	30.11	307	303	P	H	
		5149.76	38.61	-15.39	54	30.86	31.97	5.9	30.12	307	303	A	H	
	*	5180	88.99	-	-	81.24	31.96	5.92	30.13	307	303	P	H	
	*	5180	81.67	-	-	73.92	31.96	5.92	30.13	307	303	A	H	
													H	
														H
			5110.76	46.67	-27.33	74	38.93	31.98	5.87	30.11	382	338	P	V
			5150	38.27	-15.73	54	30.52	31.97	5.9	30.12	382	338	A	V
	*		5180	85.22	-	-	77.47	31.96	5.92	30.13	382	338	P	V
	*		5180	78.2	-	-	70.45	31.96	5.92	30.13	382	338	A	V
														V
														V
802.11a CH 44 5220MHz		5054.34	47.68	-26.32	74	39.96	31.99	5.83	30.1	286	305	P	H	
		5118.04	38.28	-15.72	54	30.54	31.98	5.87	30.11	286	305	A	H	
	*	5220	87.8	-	-	80.03	31.96	5.95	30.14	286	305	P	H	
	*	5220	81.19	-	-	73.42	31.96	5.95	30.14	286	305	A	H	
			5423.32	46.24	-27.76	74	38.47	31.92	6.03	30.18	286	305	P	H
			5454.4	37.5	-16.5	54	29.71	31.91	6.07	30.19	286	305	A	H
			5131.56	47.43	-26.57	74	39.7	31.97	5.88	30.12	399	338	P	V
			5123.76	38.16	-15.84	54	30.44	31.97	5.87	30.12	399	338	A	V
	*		5220	86.06	-	-	78.29	31.96	5.95	30.14	399	338	P	V
	*		5220	78.49	-	-	70.72	31.96	5.95	30.14	399	338	A	V
			5458.32	45.72	-28.28	74	37.93	31.91	6.07	30.19	399	338	P	V
			5433.12	37.45	-16.55	54	29.68	31.91	6.05	30.19	399	338	A	V



802.11a CH 48 5240MHz		5093.86	47.29	-26.71	74	39.56	31.98	5.86	30.11	309	307	P	H
		5143.26	38.18	-15.82	54	30.43	31.97	5.9	30.12	309	307	A	H
	*	5240	88.33	-	-	80.57	31.95	5.95	30.14	309	307	P	H
	*	5240	81.07	-	-	73.31	31.95	5.95	30.14	309	307	A	H
		5358.92	46	-28	74	38.24	31.93	6	30.17	309	307	P	H
		5442.08	37.49	-16.51	54	29.72	31.91	6.05	30.19	309	307	A	H
		5017.94	48.01	-25.99	74	40.31	32	5.8	30.1	342	130	P	V
		5140.66	38.17	-15.83	54	30.44	31.97	5.88	30.12	342	130	A	V
	*	5240	87.44	-	-	79.68	31.95	5.95	30.14	342	130	P	V
	*	5240	80.98	-	-	73.22	31.95	5.95	30.14	342	130	A	V
		5441.24	45.69	-28.31	74	37.92	31.91	6.05	30.19	342	130	P	V
		5449.92	37.52	-16.48	54	29.73	31.91	6.07	30.19	342	130	A	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 36 5180MHz		10360	46.27	-21.93	68.2	62.05	39.27	9.69	65.2	100	0	P	H	
		15540	45.24	-28.76	74	58.89	37.47	12.25	63.98	100	0	P	H	
													H	
													H	
			10360	46.72	-21.48	68.2	62.5	39.27	9.69	65.2	100	0	P	V
			15540	45.82	-28.18	74	59.47	37.47	12.25	63.98	100	0	P	V
														V
														V
802.11a CH 44 5220MHz		10440	47.07	-21.13	68.2	62.56	39.49	9.72	65.2	100	0	P	H	
		15660	44.93	-29.07	74	58.79	37.38	12.33	64.24	100	0	P	H	
													H	
													H	
			10440	46.49	-21.71	68.2	61.98	39.49	9.72	65.2	100	0	P	V
			15660	45	-29	74	58.86	37.38	12.33	64.24	100	0	P	V
														V
														V
802.11a CH 48 5240MHz		10480	48.75	-19.45	68.2	64.04	39.65	9.75	65.2	100	0	P	H	
		15720	44.43	-29.57	74	58.45	37.32	12.37	64.39	100	0	P	H	
													H	
													H	
			10480	47.57	-20.63	68.2	62.86	39.65	9.75	65.2	100	0	P	V
			15720	43.79	-30.21	74	57.81	37.32	12.37	64.39	100	0	P	V
														V
														V
Remark	3. No other spurious found. 4. 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	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5095.54	47.02	-26.98	74	39.29	31.98	5.86	30.11	345	54	P	H
		5089.08	38.13	-15.87	54	30.4	31.98	5.86	30.11	345	54	A	H
	*	5260	88.13	-	-	80.37	31.95	5.96	30.15	345	54	P	H
	*	5260	80.58	-	-	72.82	31.95	5.96	30.15	345	54	A	H
		5408.4	46.78	-27.22	74	39.02	31.92	6.02	30.18	345	54	P	H
		5459.52	37.43	-16.57	54	29.64	31.91	6.07	30.19	345	54	A	H
		5015.64	46.94	-27.06	74	39.24	32	5.79	30.09	339	130	P	V
		5114.58	38.16	-15.84	54	30.42	31.98	5.87	30.11	339	130	A	V
	*	5260	84.71	-	-	76.95	31.95	5.96	30.15	339	130	P	V
	*	5260	77.57	-	-	69.81	31.95	5.96	30.15	339	130	A	V
		5379.84	47.21	-26.79	74	39.46	31.92	6.01	30.18	339	130	P	V
		5435.52	37.51	-16.49	54	29.74	31.91	6.05	30.19	339	130	A	V
802.11a CH 60 5300MHz		5120.7	46.8	-27.2	74	39.07	31.98	5.87	30.12	359	55	P	H
		5087.04	38.18	-15.82	54	30.47	31.98	5.84	30.11	359	55	A	H
	*	5300	87.27	-	-	79.52	31.94	5.97	30.16	359	55	P	H
	*	5300	79.77	-	-	72.02	31.94	5.97	30.16	359	55	A	H
		5411.76	45.98	-28.02	74	38.22	31.92	6.02	30.18	359	55	P	H
		5451.12	37.46	-16.54	54	29.67	31.91	6.07	30.19	359	55	A	H
		5045.22	48.28	-25.72	74	40.58	31.99	5.81	30.1	400	8	P	V
		5116.96	38.13	-15.87	54	30.39	31.98	5.87	30.11	400	8	A	V
	*	5300	82.54	-	-	74.79	31.94	5.97	30.16	400	8	P	V
	*	5300	75.81	-	-	68.06	31.94	5.97	30.16	400	8	A	V
		5361.84	46.4	-27.6	74	38.64	31.93	6	30.17	400	8	P	V
		5424.24	37.5	-16.5	54	29.73	31.92	6.03	30.18	400	8	A	V



802.11a CH 64 5320MHz	*	5320	86.11	-	-	78.35	31.94	5.98	30.16	379	235	P	H
	*	5320	80.11	-	-	72.35	31.94	5.98	30.16	379	235	A	H
		5372.96	46.9	-27.1	74	39.14	31.93	6	30.17	379	235	P	H
		5453.76	37.48	-16.52	54	29.69	31.91	6.07	30.19	379	235	A	H
													H
													H
	*	5320	80.84	-	-	73.08	31.94	5.98	30.16	219	350	P	V
	*	5320	73.85	-	-	66.09	31.94	5.98	30.16	219	350	A	V
		5376.64	46.5	-27.5	74	38.74	31.93	6.01	30.18	219	350	P	V
		5451.04	37.54	-16.46	54	29.75	31.91	6.07	30.19	219	350	A	V
													V
													V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	46.86	-21.34	68.2	62.04	39.74	9.77	65.2	100	0	P	H
		15780	44.82	-29.18	74	58.95	37.28	12.41	64.51	100	0	P	H
													H
													H
		10520	47.41	-20.79	68.2	62.59	39.74	9.77	65.2	100	0	P	V
		15780	45.18	-28.82	74	59.31	37.28	12.41	64.51	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	46.88	-27.12	74	61.82	39.95	9.8	65.18	100	0	P	H
		15900	43.55	-30.45	74	57.94	37.18	12.49	64.77	100	0	P	H
													H
													H
		10600	47.05	-26.95	74	61.99	39.95	9.8	65.18	100	0	P	V
		15900	43.97	-30.03	74	58.36	37.18	12.49	64.77	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	47.01	-26.99	74	61.85	40.03	9.82	65.17	100	0	P	H
		15960	44.82	-29.18	74	59.47	37.13	12.52	64.92	100	0	P	H
													H
													H
		10640	47.65	-26.35	74	62.49	40.03	9.82	65.17	100	0	P	V
		15960	43.67	-30.33	74	58.32	37.13	12.52	64.92	100	0	P	V
													V
													V
Remark	3. No other spurious found. 4. 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	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
2		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 100 5500MHz		5373.52	46.1	-27.9	74	38.35	31.93	6	30.18	236	128	P	H	
		5462	45.11	-23.09	68.2	37.32	31.91	6.07	30.19	236	128	P	H	
		5455.12	37.52	-16.48	54	29.73	31.91	6.07	30.19	236	128	A	H	
	*	5500	86.9	-	-	79.1	31.9	6.1	30.2	236	128	P	H	
	*	5500	80.77	-	-	72.97	31.9	6.1	30.2	236	128	A	H	
														H
			5435.92	47.6	-26.4	74	39.83	31.91	6.05	30.19	399	214	P	V
			5461.36	44.88	-23.32	68.2	37.09	31.91	6.07	30.19	399	214	P	V
			5450.8	37.45	-16.55	54	29.66	31.91	6.07	30.19	399	214	A	V
	*		5500	81.01	-	-	73.21	31.9	6.1	30.2	399	214	P	V
	*		5500	75.66	-	-	67.86	31.9	6.1	30.2	399	214	A	V
														V
802.11a CH 116 5580MHz		5365.12	46.6	-27.4	74	38.84	31.93	6	30.17	100	308	P	H	
		5467.84	44.39	-23.81	68.2	36.58	31.91	6.09	30.19	100	308	P	H	
		5450.56	37.5	-16.5	54	29.71	31.91	6.07	30.19	100	308	A	H	
	*	5580	86.39	-	-	78.41	32.04	6.19	30.25	100	308	P	H	
	*	5580	80.03	-	-	72.05	32.04	6.19	30.25	100	308	A	H	
			5737.91	46.75	-21.45	68.2	38.46	32.38	6.24	30.33	100	308	P	H
			5399.44	46.01	-27.99	74	38.25	31.92	6.02	30.18	400	214	P	V
			5465.68	44.76	-23.44	68.2	36.97	31.91	6.07	30.19	400	214	P	V
			5432.08	37.47	-16.53	54	29.7	31.91	6.05	30.19	400	214	A	V
	*		5580	82.31	-	-	74.33	32.04	6.19	30.25	400	214	P	V
	*		5580	76.4	-	-	68.42	32.04	6.19	30.25	400	214	A	V
			5753.975	46.59	-21.61	68.2	38.25	32.42	6.25	30.33	400	214	P	V



802.11a CH 140 5700MHz	*	5700	82.51	-	-	74.3	32.28	6.23	30.3	100	301	P	H
	*	5700	76.11	-	-	67.9	32.28	6.23	30.3	100	301	A	H
		5743.265	46.73	-21.47	68.2	38.44	32.38	6.24	30.33	100	301	P	H
													H
													H
													H
	*	5700	80.77	-	-	72.56	32.28	6.23	30.3	384	12	P	V
	*	5700	72.45	-	-	64.24	32.28	6.23	30.3	384	12	A	V
		5738.225	46.53	-21.67	68.2	38.24	32.38	6.24	30.33	384	12	P	V
													V
													V
													V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Factor (dBi)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	48.25	-25.75	74	61.99	40.9	10	65.1	100	0	P	H
		16500	45.94	-22.26	68.2	59.95	38.1	12.62	65.1	100	0	P	H
													H
													H
		11000	48	-26	74	61.74	40.9	10	65.1	100	0	P	V
		16500	45.6	-22.6	68.2	59.61	38.1	12.62	65.1	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	46.89	-27.11	74	60.98	40.43	10.11	65.2	100	0	P	H
		16740	45.42	-22.78	68.2	57.71	39.4	12.65	64.86	100	0	P	H
													H
													H
		11160	47.21	-26.79	74	61.3	40.43	10.11	65.2	100	0	P	V
		16740	44.71	-23.49	68.2	57	39.4	12.65	64.86	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.19	-26.81	74	61.79	39.78	10.27	65.34	100	0	P	H
		17100	48.64	-19.56	68.2	58.69	41.26	12.72	64.46	100	0	P	H
													H
													H
		11400	47.09	-26.91	74	61.69	39.78	10.27	65.34	100	0	P	V
		17100	48.66	-19.54	68.2	58.71	41.26	12.72	64.46	100	0	P	V
													V
													V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
2		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a LF		112.08	32.47	-11.03	43.5	46.95	17.18	0.86	32.59	100	0	P	H	
		167.97	27.99	-15.51	43.5	43.38	15.89	1.06	32.53			P	H	
		285.96	34.9	-11.1	46	46.96	18.98	1.33	32.55			P	H	
		337.8	33.25	-12.75	46	44.24	20.06	1.44	32.56			P	H	
		390.3	32.95	-13.05	46	42.33	21.55	1.55	32.56			P	H	
		493.9	31.28	-14.72	46	38.05	23.98	1.78	32.63			P	H	
														H
														H
														H
														H
														H
														H
			36.75	36.02	-3.98	40	47.23	20.9	0.46	32.58	100	0	P	V
			106.95	27.98	-15.52	43.5	42.93	16.78	0.79	32.59			P	V
			266.52	36.98	-9.02	46	48.42	19.62	1.29	32.54			P	V
			337.8	28.94	-17.06	46	39.93	20.06	1.44	32.56			P	V
			390.3	27.75	-18.25	46	37.13	21.55	1.55	32.56			P	V
			885.9	37.82	-8.18	46	37.95	29.08	2.39	31.81			P	V
													V	
													V	
													V	
													V	
													V	
													V	
Remark	3. No other spurious found. 4. All results are PASS against limit line.													



Note symbol

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



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(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

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

- Level(dBμV/m)
= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
- 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. Cabinet Radiation Plots

Test Engineer :	Karl Hou and Watt Tseng	Temperature :	22~24°C
		Relative Humidity :	45~47%

Note symbol

-L	Low channel location
-R	High channel location



<Antenna 1>

Band 1 - 5150~5250MHz

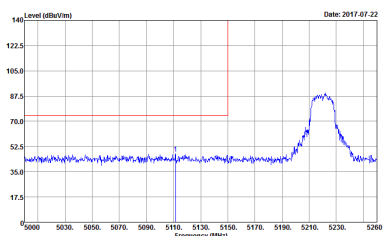
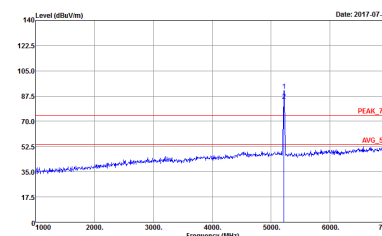
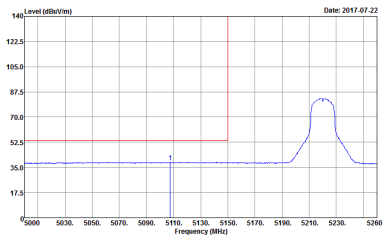
WIFI 802.11a for Ant. 1 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 1</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 1</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 1</p>	Left blank

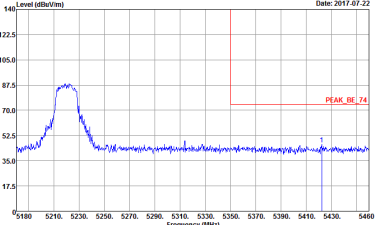
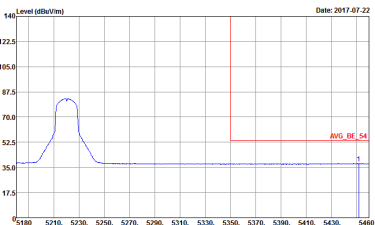


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 1</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 1</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 1</p>	Left blank

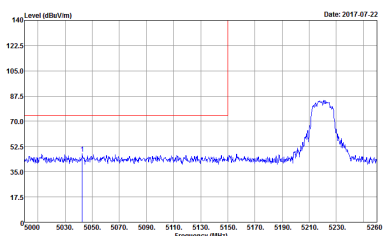
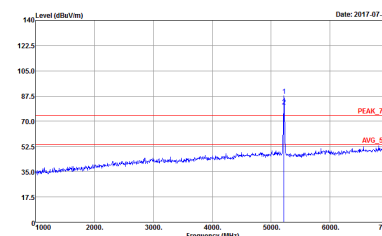
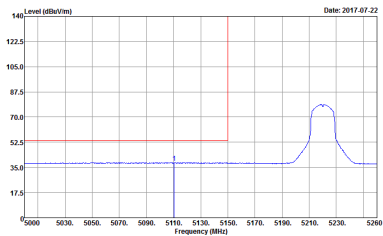


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 2</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 2</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 2</p>	Left blank

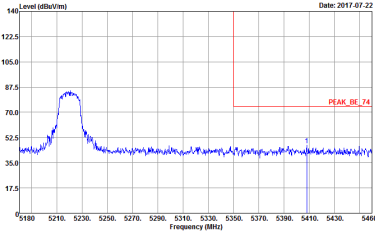
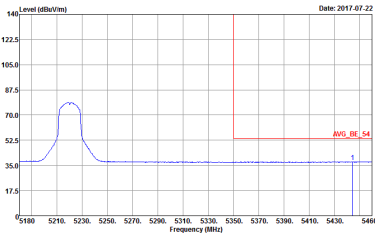


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 2</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 2</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 2</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 2</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 2</p>	Left blank

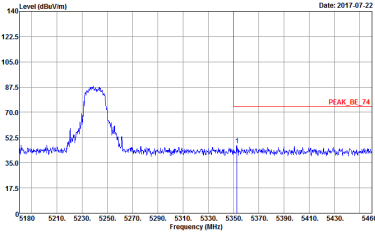
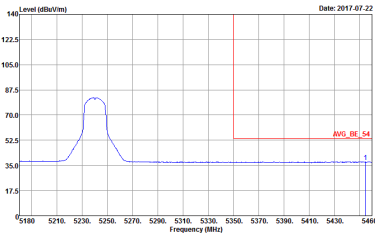


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 2</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 2</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 3</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 3</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 3</p>	Left blank

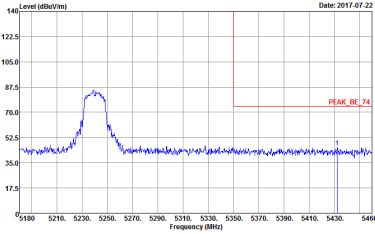
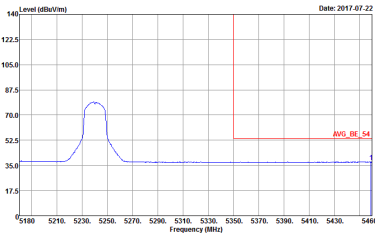


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 3</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 3</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 3</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 3</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 3</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 3</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 3</p>	<p>Left blank</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH15-FY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 1</p>	<p>Site : 03CH15-FY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 1</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HV Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 2</p>	<p>Site : 03CH15-HV Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 2</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : -3</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : -3</p>

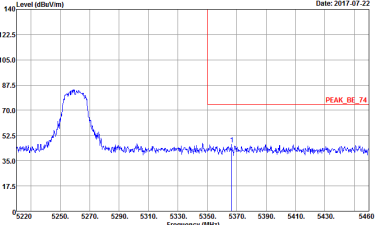
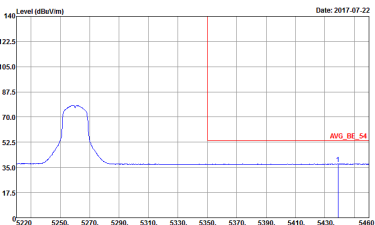


Band 2 - 5250~5350MHz

WIFI 802.11a for Ant. 1 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 4</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 4</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 4</p>	Left blank

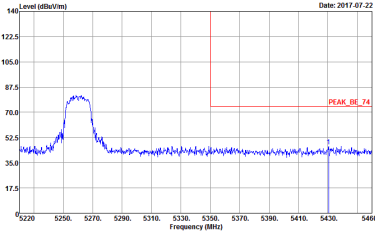
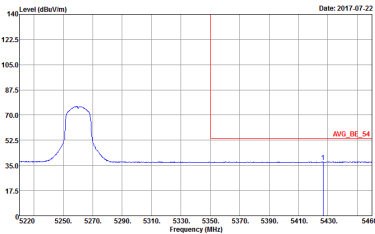


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 4</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 4</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 4</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 4</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 4</p>	Left blank

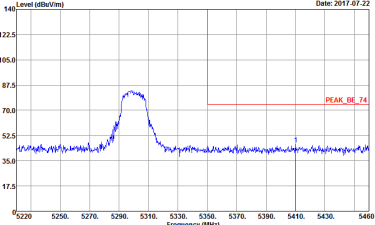
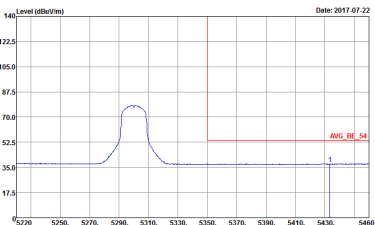


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 4</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 4</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 5</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 5</p>
Avg.	<p>Site : 03CH15-HY Condition : Avg_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 5</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 5</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 5</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 5</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 5</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 5</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 6</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 6</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 6</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 6</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 6</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 6</p>	Left blank



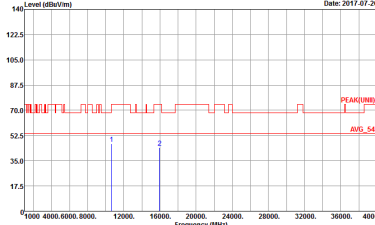
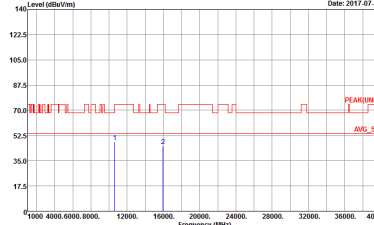
Band 2 - 5250~5350MHz
WIFI 802.11a for Ant. 1 (Harmonic @ 3m)

Table with 2 columns: Horizontal and Vertical. Each column contains a spectral plot of Level (dBuV/m) vs Frequency (MHz) for Ant. 1. The plots show a peak at approximately 12.5 GHz and an average level of 54 dBuV/m. Metadata includes Site: 03CH15-HY, Condition: PEAK(LINE) 3m 9120D_15_1620 HORIZONTAL, and Date: 2017-07-26.



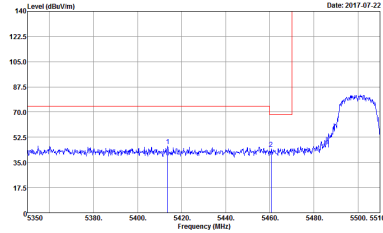
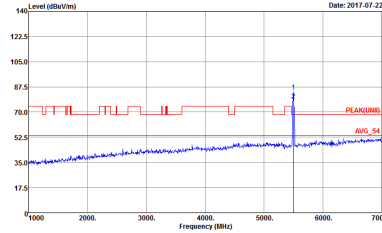
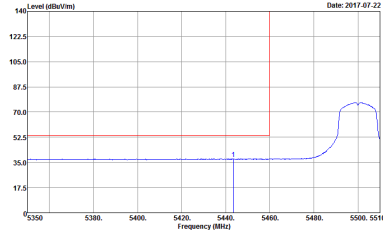
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
<p>Peak Avg.</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : S</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : S</p>



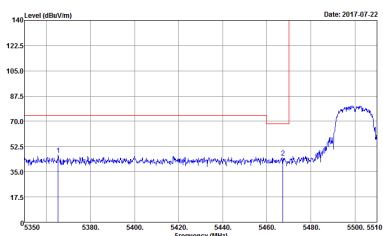
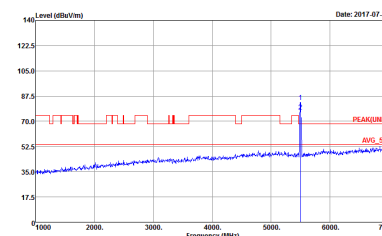
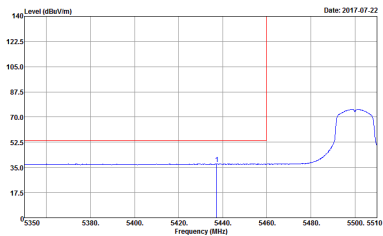
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : -6</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : -6</p>



Band 3 - 5470~5725MHz
WIFI 802.11a for Ant. 1 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
<p align="center">Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 7</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 7</p>
<p align="center">Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 7</p>	<p align="center">Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 7</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 7</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNII)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 7</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 8</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 8</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNII)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 8</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 8</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 8</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 8</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE(UNII)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 8</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL Deflector : Peak Project : 762122 Mode : 8</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	<p> Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 752122 Mode : 9 </p>	<p> Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 752122 Mode : 9 </p>



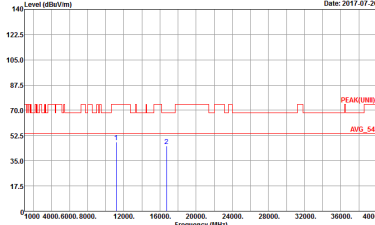
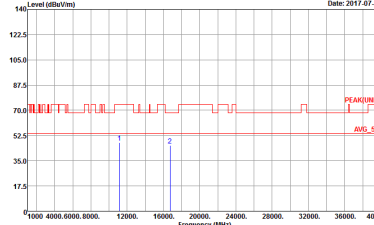
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 752122 Mode : 9</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 752122 Mode : 9</p>



Band 3 - 5470~5725MHz
WIFI 802.11a for Ant. 1 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-11Y Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 7</p>	<p>Site : 03CH15-11Y Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 7</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : B</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : B</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : -9</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : -9</p>



Emission below 1GHz
5GHz WIFI 802.11a for Ant. 1 (LF)

WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH15-HY Condition : QP 3m BTL0G_15_41912 HORIZONTAL Detector : Peak Project : 762122 Mode : 10</p>	<p>Site : 03CH15-HY Condition : QP 3m BTL0G_15_41912 VERTICAL Detector : Peak Project : 762122 Mode : 10</p>



<Antenna 2>

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 11</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 11</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 11</p>	Left blank

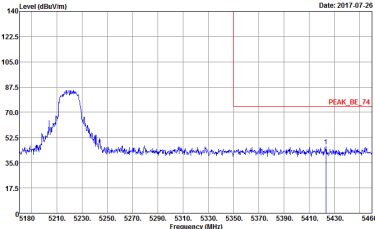
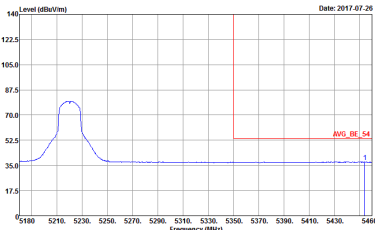


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
2	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : II</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : II</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : II</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 752122 Mode : 12</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 752122 Mode : 12</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 752122 Mode : 12</p>	Left blank

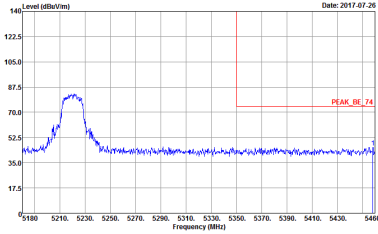
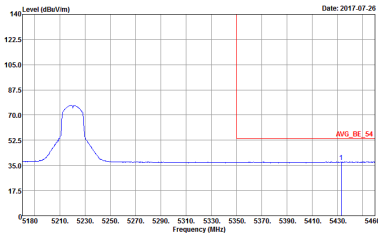


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 12</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 12</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
2	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 12</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 12</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 12</p>	Left blank

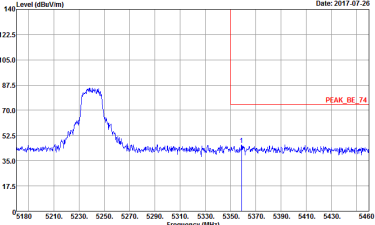
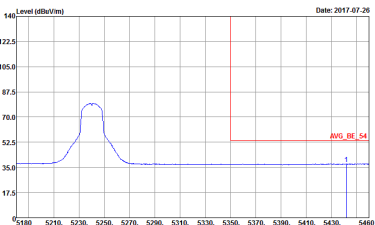


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 12</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 12</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_8E_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 13</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 13</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_8E_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 13</p>	Left blank

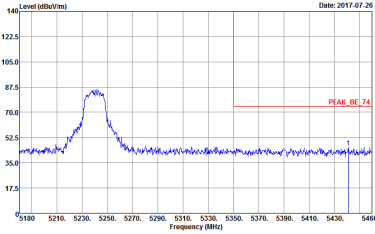
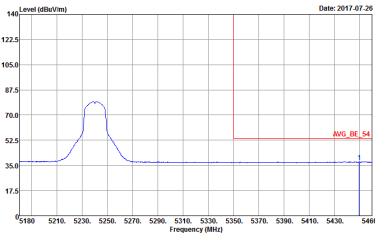


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 13</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 13</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
2	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 13</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 13</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 13</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 13</p>	Left blank
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 13</p>	Left blank



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-FY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 11</p>	<p>Site : 03CH15-FY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 11</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 12</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 12</p>



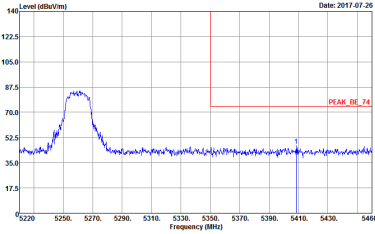
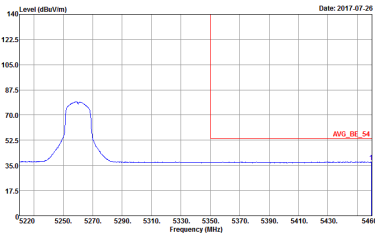
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 13</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 13</p>



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 14</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 14</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 14</p>	Left blank

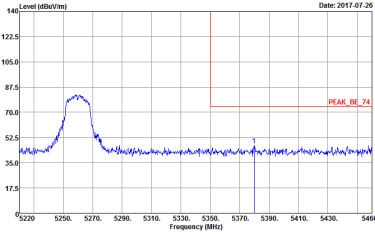
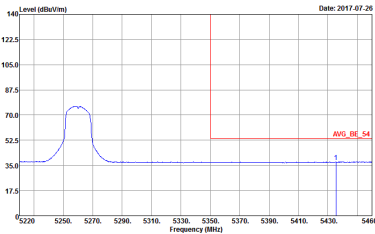


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 14</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 14</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
2	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_8E_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 14</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 14</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_8E_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 14</p>	Left blank

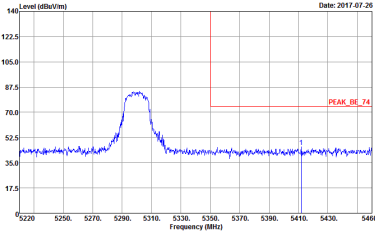
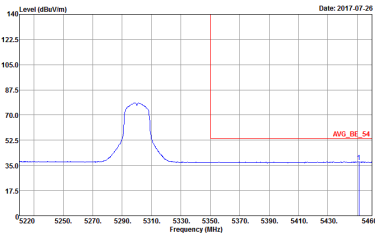


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 14</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWF:Auto Detector : Peak Project : 762122 Mode : 14</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_8E_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 15</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 15</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_8E_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 15</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 15</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWF:Auto Detector : Peak Project : 762122 Mode : 15</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
2	Vertical	Fundamental
Peak	<p> Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 15 </p>	<p> Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 15 </p>
Avg.	<p> Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 15 </p>	Left blank

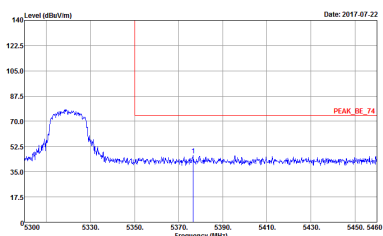
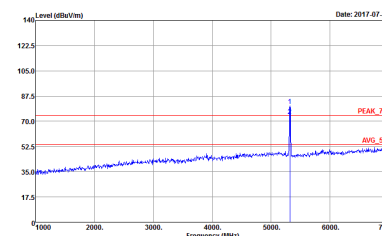
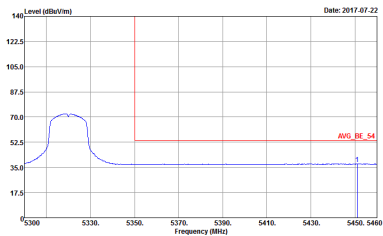


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 16</p>	<p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 16</p>
Avg.	<p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 16</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 16</p>	 <p>Site : 03CH15-HY Condition : PEAK_74 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 16</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE_54 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 16</p>	Left blank



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH15-1FY Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 14</p>	<p>Site : 03CH15-1FY Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 14</p>



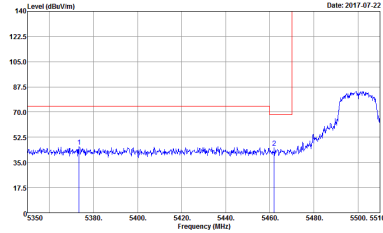
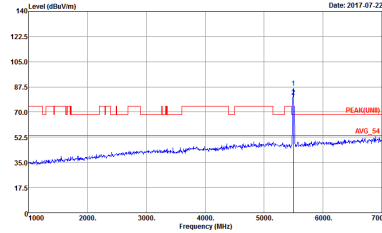
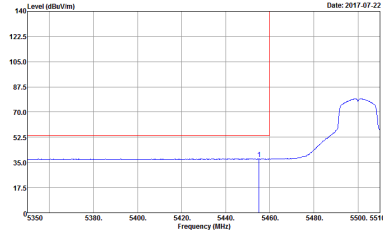
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 15</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 15</p>



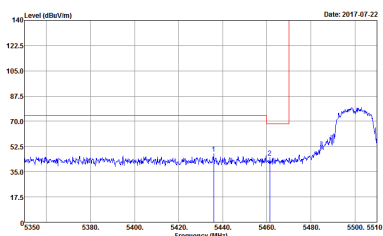
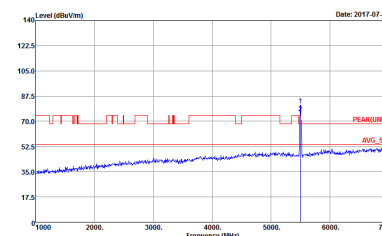
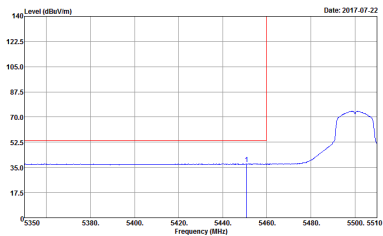
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 16</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 16</p>



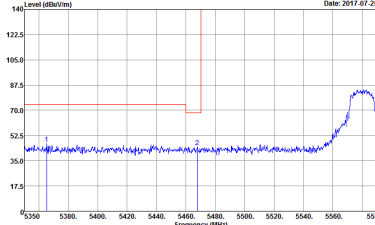
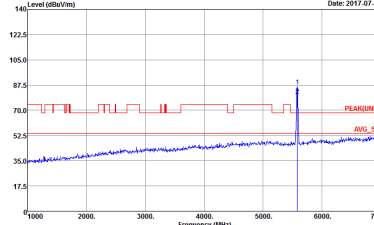
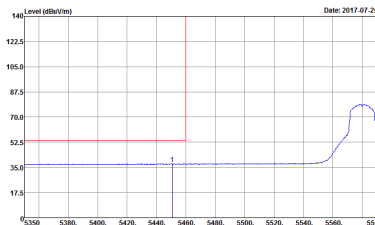
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Fundamental
<p align="center">Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNIT), B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 17</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 17</p>
<p align="center">Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE(UNIT), B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 17</p>	<p align="center">Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 17</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 17</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNII)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 762122 Mode : 17</p>	Left blank

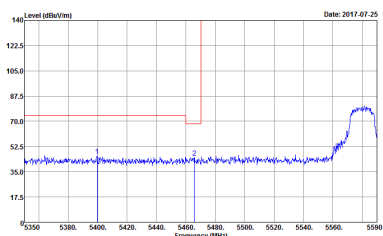
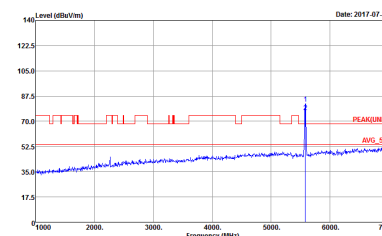
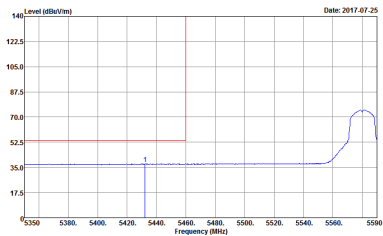


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 18</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 18</p>
<p>Avg.</p>	 <p>Site : 03CH15-HY Condition : AVG_BE(UNII)_B3 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 18</p>	<p>Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 752122 Mode : 18</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 18</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 18</p>
Avg.	 <p>Site : 03CH15-HY Condition : AVG_BE(UNII)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 762122 Mode : 18</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
2	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_15_1620 VERTICAL Detector : Peak Project : 752122 Mode : 18</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 752122 Mode : 19</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 752122 Mode : 19</p>




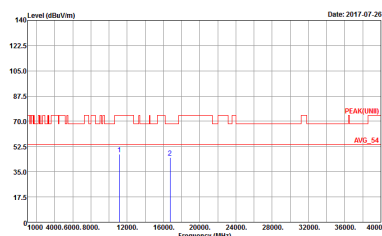
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
2	Vertical	Fundamental
Peak	<p>Site : 03CH15-HY Condition : PEAK_BE(UNII)_B3 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 752122 Mode : 19</p>	<p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 752122 Mode : 19</p>



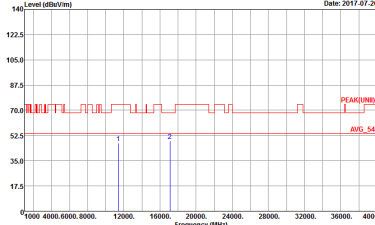
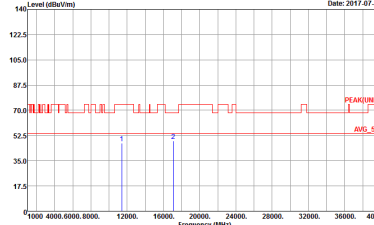
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH15-1#Y Condition : PEAK(UNII) 3m 9120D_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 17</p>	<p>Site : 03CH15-1#Y Condition : PEAK(UNII) 3m 9120D_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 17</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : IS</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : IS</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL Detector : Peak Project : 762122 Mode : 19</p>	 <p>Site : 03CH15-HY Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL Detector : Peak Project : 762122 Mode : 19</p>



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

WIFI	5GHz WIFI	
ANT	802.11a LF	
2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH15-HY Condition : QP 3m BTL0G_15_41912 HORIZONTAL Detector : Peak Project : 762122 Mode : 20</p>	<p>Site : 03CH15-HY Condition : QP 3m BTL0G_15_41912 VERTICAL Detector : Peak Project : 762122 Mode : 20</p>



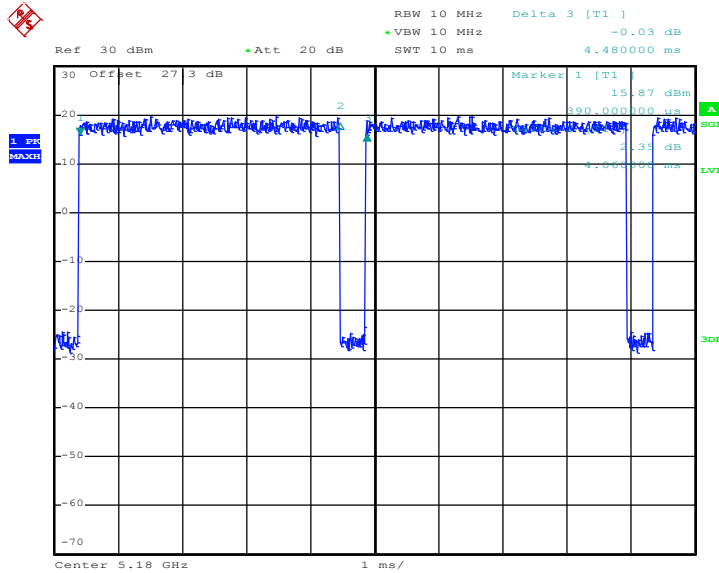
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1	802.11a	90.63	4060	0.25	300Hz
1	5GHz 802.11n HT20	89.95	3760	0.27	300Hz
1	5GHz 802.11n HT40	82.14	1840	0.54	1kHz
2	802.11a	90.63	4060	0.25	300Hz
2	5GHz 802.11n HT20	90.43	3780	0.26	300Hz
2	5GHz 802.11n HT40	82.22	1850	0.54	1kHz



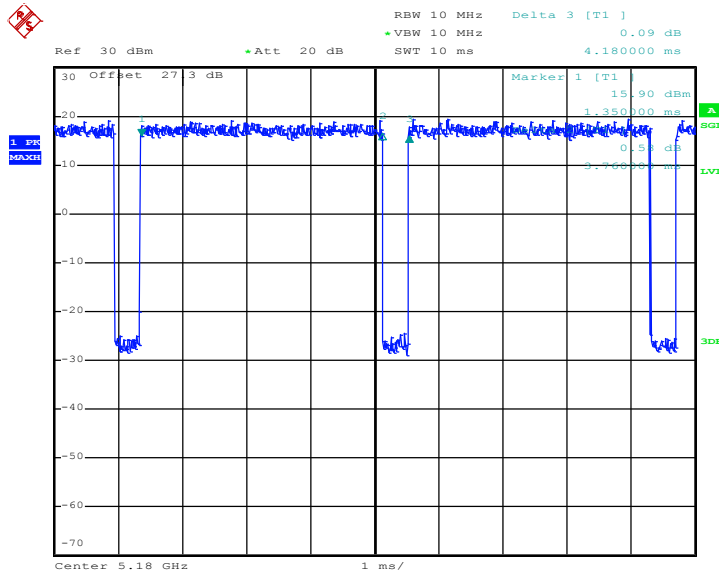
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802.11a



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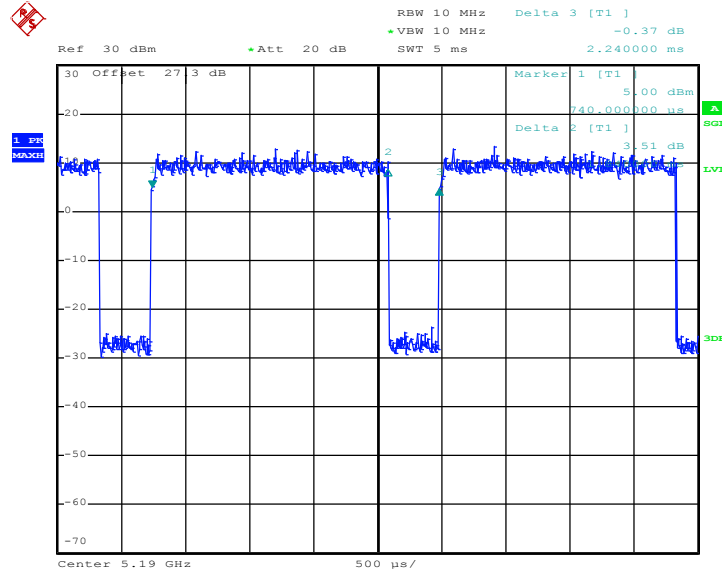
802.11n HT20



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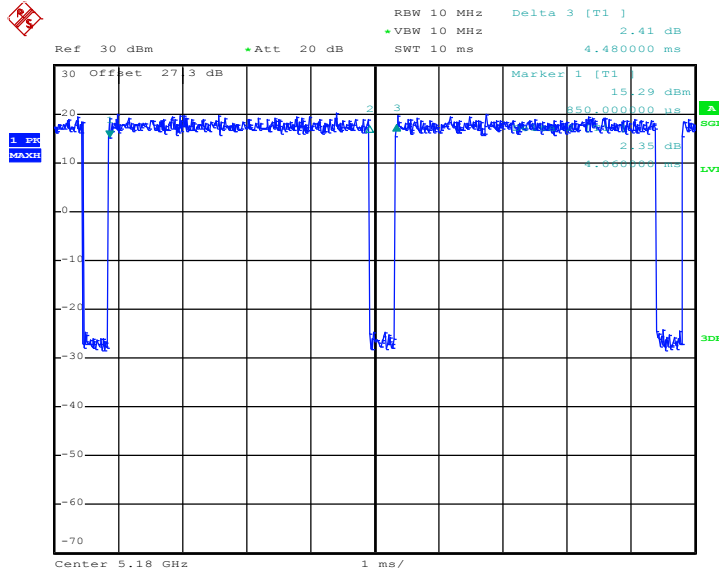


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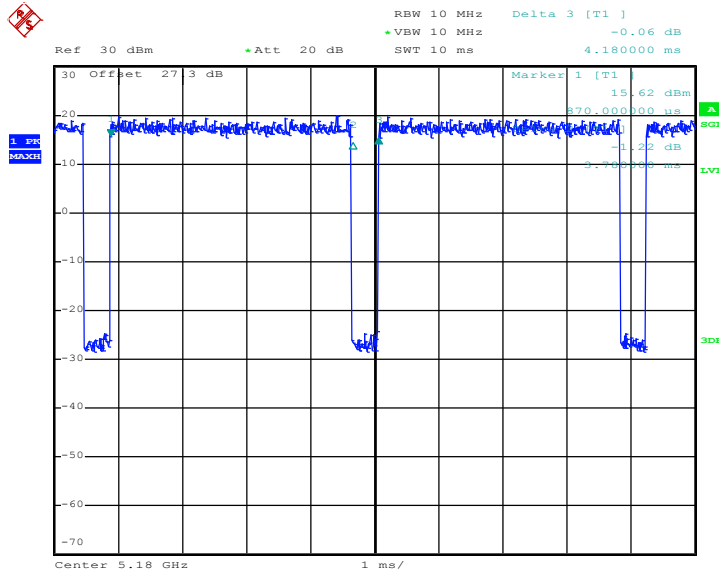
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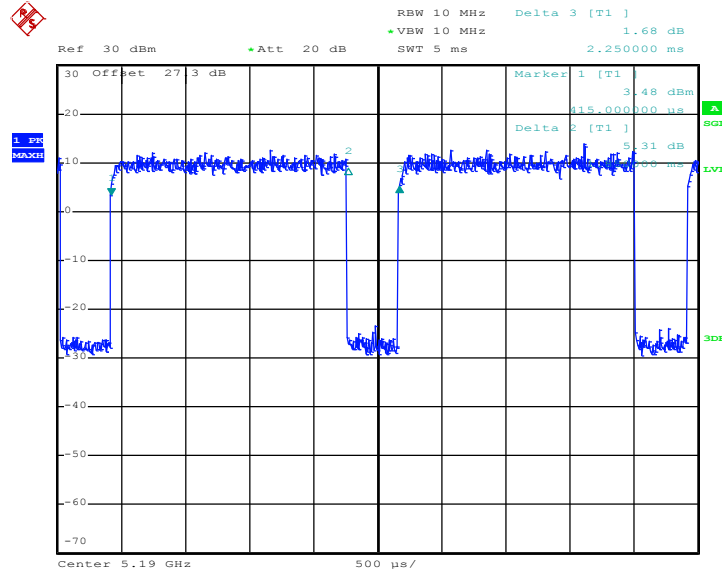
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Date: 13.JUL.2017 10:52:56