



**FCC 47 CFR PART 15 SUBPART E
INDUSTRY CANADA RSS-247 ISSUE 1**

C2PC CERTIFICATION TEST REPORT

**FOR
DOLPHIN CT50 HEALTHCARE**

**MODEL NUMBER: CT50L0N
FCC ID: HD5-CT50L0N
IC ID: 1693B-CT50L0N**

**REPORT NUMBER: 15U21901-E4V3
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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	12/21/15	Initial Issue	C.S.OOI
V2	01/05/16	Added Section 5.5	C.S.OOI
V3	01/12/16	Updated KDB 789033 Reference	C.S.OOI

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: HONEYWELL INTERNATIONAL INC
HONEYWELL SENSING AND PRODUCTIVITY SOLUTIONS

EUT DESCRIPTION: DOLPHIN CT50 HEALTHCARE

MODEL: CT50L0N

SERIAL NUMBER: 152884063F (Radiated)

DATE TESTED: NOVEMBER 13 – 20, 2015

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart E	Pass
INDUSTRY CANADA RSS-247 Issue 1	Pass
INDUSTRY CANADA RSS-GEN Issue 4	Pass

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

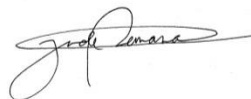
Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, KDB 789033 D02 v01r01, ANSI C63.10-2013, RSS-GEN Issue 4, RSS-247 Issue 1.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street
☐ Chamber A(IC: 2324B-1)	☐ Chamber D(IC: 2324B-4)
☒ Chamber B(IC: 2324B-2)	☐ Chamber E(IC: 2324B-5)
☒ Chamber C(IC: 2324B-3)	☐ Chamber F(IC: 2324B-6)
	☐ Chamber G(IC: 2324B-7)
	☐ Chamber H(IC: 2324B-8)

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at <http://ts.nist.gov/standards/scopes/2000650.htm>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \text{Cable} \\ &\text{Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.52 dB
Radiated Disturbance, 30 to 18000 MHz	4.94 dB

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a Dolphin CT50 Healthcare with BT, BLE, DTS & UNII a/b/g/n/ac and NFC.

Reason for C2PC:

Enclosure plastic material changed compound. Enclosure is the same shape and size as what was filed but will be produce with no hand strap. All other electronic components are the same as what was filed.

5.2. MAXIMUM OUTPUT POWER

Refer to the original report, 15U20259-E11B for detail.

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an embedded antenna, with a maximum gain of 2.7dBi.

5.4. SOFTWARE AND FIRMWARE

The EUT driver software installed in the equipment during testing was Android Helsinki-eng 4.4.4 KTU84P 59.02.02.0013E dev-keys.

The test utility software used during testing was FTM Tool, Ver. 1.6.

5.5. REASON FOR C2PC

Enclosure plastic material changed compound. Enclosure is the same shape and size as what was filed but will be produce with no hand strap. All other electronic components are the same as what was filed. Only radiated emissions tests were performed in this filing. Results of other tests performed in the original filing would not be affected by this change

5.6. WORST-CASE CONFIGURATION AND MODE

Radiated emission and power line conducted emission were performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

The fundamental of the EUT was investigated in three orthogonal orientations X,Y,Z, it was determined that the X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in the X orientation.

Based on the baseline scan, the worst-case data rates were:

802.11a mode: 6 Mbps
802.11n HT20mode: MCS0
802.11n HT40mode: MCS0
802.11AC HT80mode: MCS0

5.7. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	PHIHONG	PSA10F-050Q	N/A	N/A
USB CUP Adapter	Honeywell	N/A	N/A	N/A

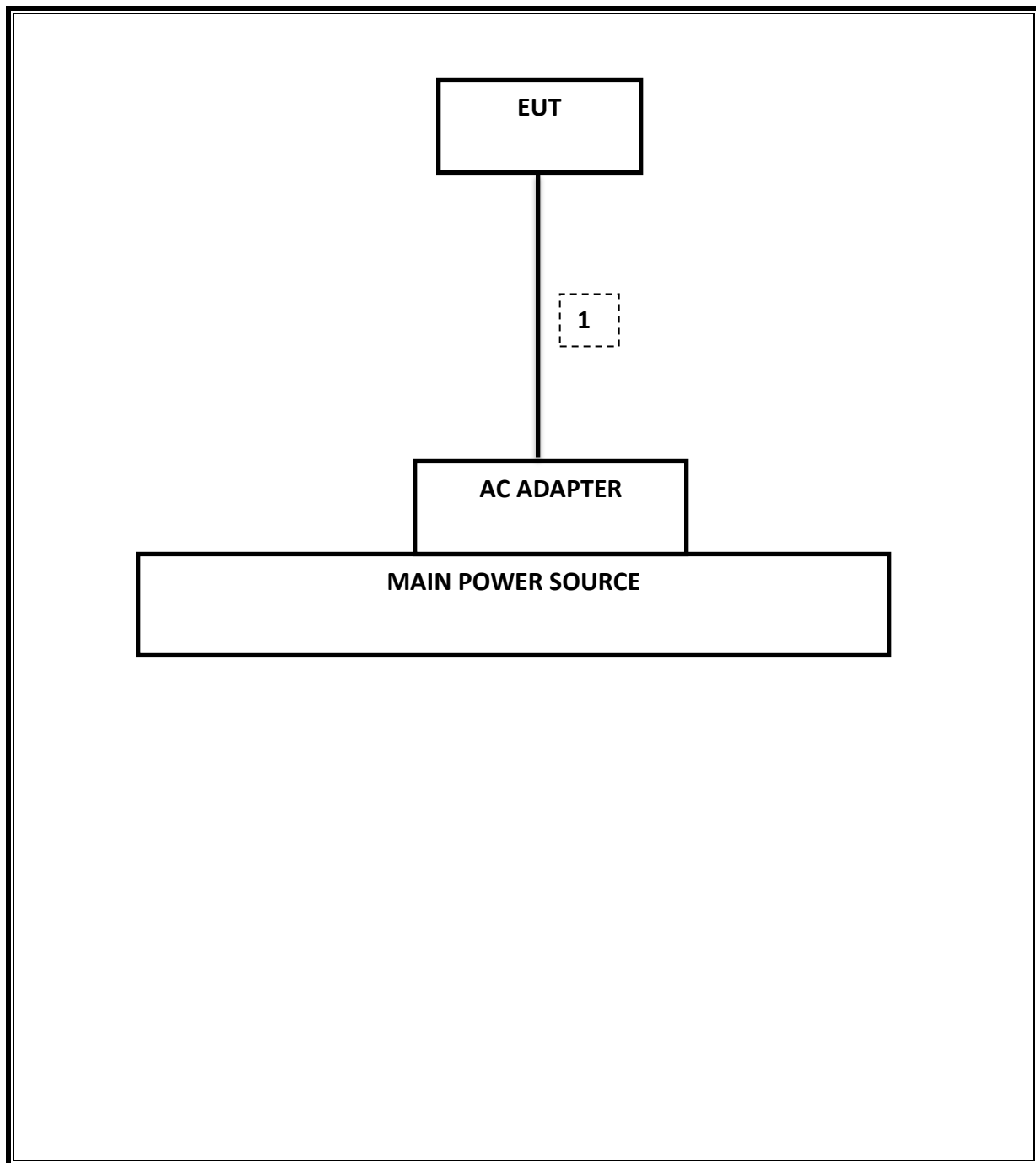
I/O CABLES

N/A

TEST SETUP

The EUT is a stand-alone unit during the tests. Test software exercised the radio card.

SETUP DIAGRAM FOR TESTS



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	Manufacturer	Model	Asset	Cal Due
Antenna, Biconolog, 30MHz-1 GHz	Sunol Sciences	JB1	C01171	02/13/16
Antenna, Horn, 18GHz	EMCO	3115	C00783	10/25/16
Antenna, Horn, 26.5 GHz	ARA	MWH-1826/B	C00980	11/14/16
RF Preamplifier, 100KHz -> 1300MHz	HP	8447D	T10	01/06/16
RF Preamplifier, 1GHz - 18GHz	Miteq	NSP4000-SP2	924343	03/23/16
RF Preamplifier, 1GHz - 26.5GHz	HP	8449B	F00351	06/27/16
Spectrum Analyzer, 44 GHz	Agilent / HP	E4446A	C01069	12/20/15
Peak Power Meter	Agilent / HP	E4416A	C00963	12/13/15
Peak / Average Power Sensor	Agilent / HP	E9327A	C00964	12/13/15
LISN, 30 MHz	FCC	50/250-25-2	C00626	01/14/16
Reject Filter, 2.4GHz	Micro-Tronics	BRM50702	N02684	CNR
Radiated Software	UL	UL EMC	Ver 9.5, July 22, 2014	
Conducted Software	UL	UL EMC	Ver 9.5, May 17 2012	
CLT Software	UL	UL RF	Ver 1.0, Feb 2 2015	
Antenna Port Software	UL	UL RF	Ver 2.1.1.1, Jan 20 2015	

7. SUMMARY TABLE

FCC Part Section	RSS Section	Test Description	Test Limit	Test Condition	Test Result
15.407 (a)	RSS-247	Occupied Band width (26dB)	N/A	Conducted	Refer to 15U20259-E11B
15.407	RSS-247 6.2.4	6dB Band width (5.8Ghz)	500KHz		Refer to 15U20259-E11B
15.407 (a)(2)	RSS-247 6.2	TX Cond. Power 5.15-2.25, 5.25-5.35 & 5.47-5.725	<24dBm or 11+10Log(OBW)		Refer to 15U20259-E11B
15.407 (a)(3)	RSS-247 6.2.4	TX Cond. Power 5.725-5.825	< 30dBm or 17+10Log(OBW)		Refer to 15U20259-E11B
15.407 (a)(5)	RSS-247 6.2	PSD (5.2,5.3,5.5GHz)	<11dBm		Refer to 15U20259-E11B
15.407 (a)(5)	RSS-247 6.2.4	PSD (5.8GHz)	30dBm per 500kHz		Refer to 15U20259-E11B
15.207 (a)	RSS-GEN 8.8	AC Power Line conducted emissions	Section 10	Radiated	Refer to 15U20259-E11B
15.407 (b) & 15.209	RSS-GEN 8.9/7	Radiated Spurious Emission	< 54dBuV/m		49.54 dBuV/m
15.407 (h)(2)	RSS-247 6.3	Dynamic Frequency Selection	N/A	Radiated / Conducted	Refer to 15U20259-E11B

8. MEASUREMENT METHOD

789033 D02 General UNII Test Procedures New Rules v01

The Duty Cycle is less than 98% and consistent therefore KDB 789033 Method SA-2 is used for .power and PPSD

The Duty Cycle is less than 98% and consistent, KDB 789033 Method AD with Power RMS Averaging and duty cycle correction is used.

9. TRANSMITTER ABOVE 1 GHz

LIMITS

FCC §15.205 and §15.209

IC RSS-GEN Clause 8.9 (Transmitter)

IC RSS-GEN Clause 7 (Receiver)

Frequency Range (MHz)	Field Strength Limit ($\mu\text{V/m}$) at 3 m	Field Strength Limit (dB $\mu\text{V/m}$) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

Reference to KDB 789033 UNII part G) 6) c) Method AD:

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor to the reading offset for average measurements. For this sample a mode = 0.19dB, HT20 mode = 0.22dB, HT40 mode = 0.49dB and VHT80 = 1.47dB.

The spectrum from 1GHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

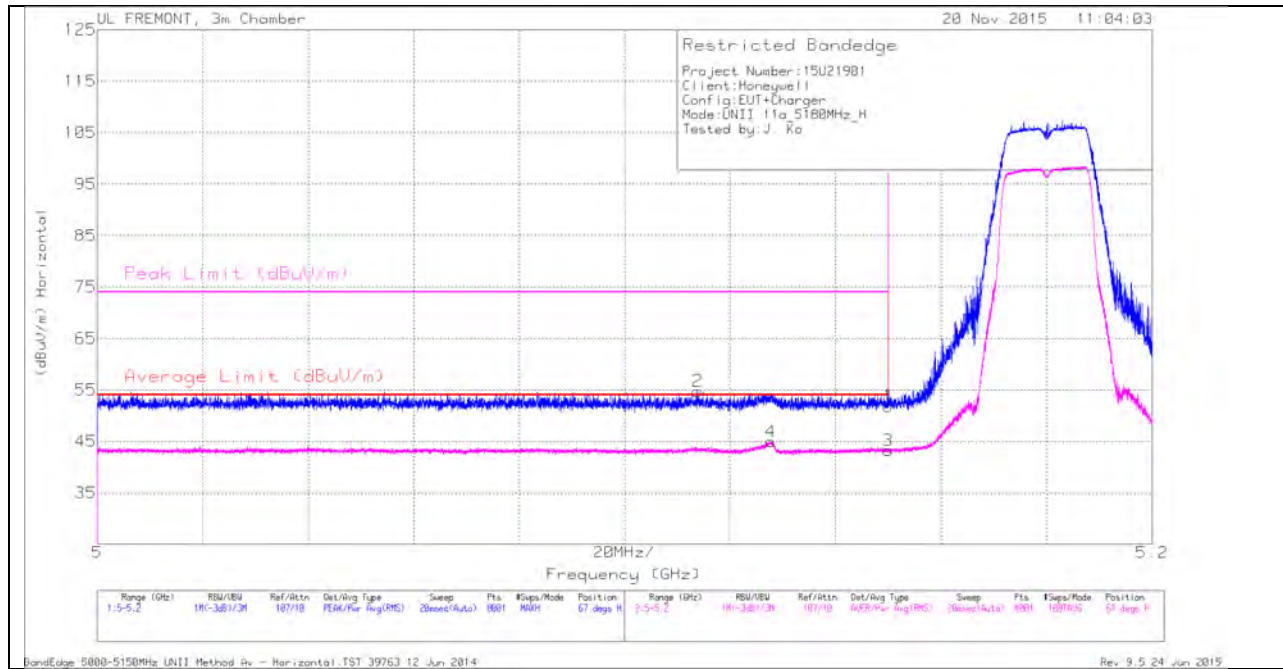
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

9.1. 5.2 GHz

9.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



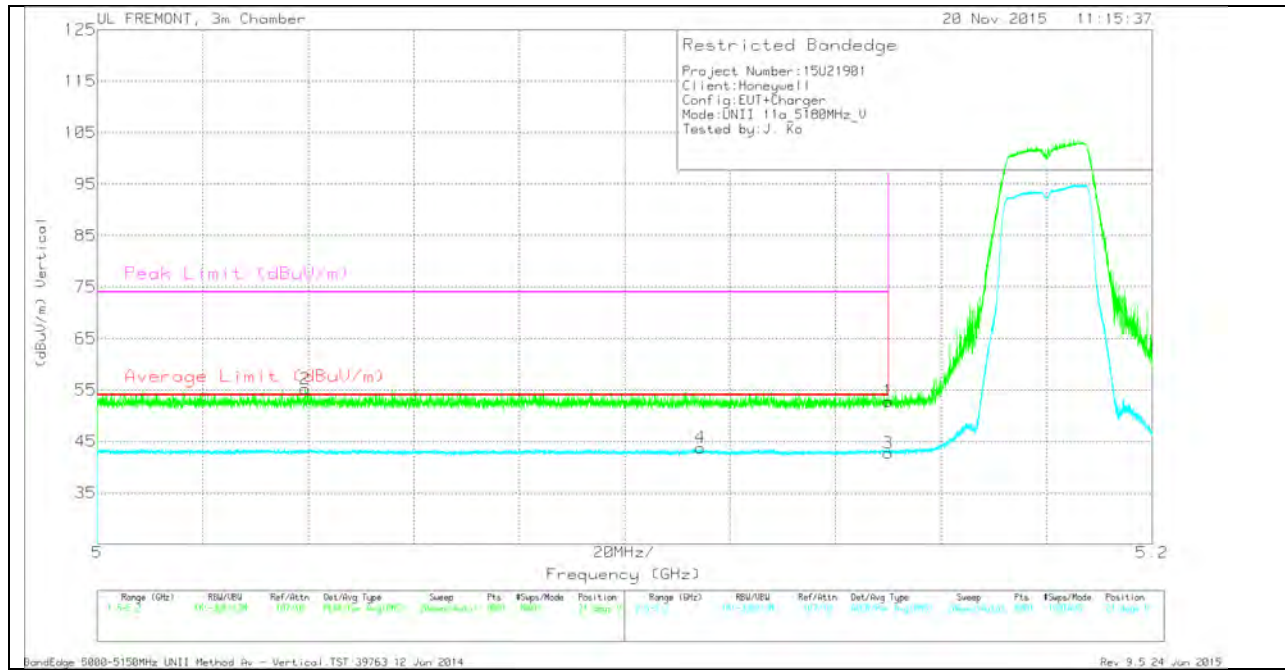
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.114	40.86	Pk	34.1	-20.2	0	54.76	-	-	74	-19.24	67	246	H
4	5.128	30.81	RMS	34.2	-20.3	.21	44.92	54	-9.08	-	-	67	246	H
1	5.15	37.95	Pk	34.2	-20.3	0	51.85	-	-	74	-22.15	67	246	H
3	5.15	29.14	RMS	34.2	-20.3	.21	43.25	54	-10.75	-	-	67	246	H

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

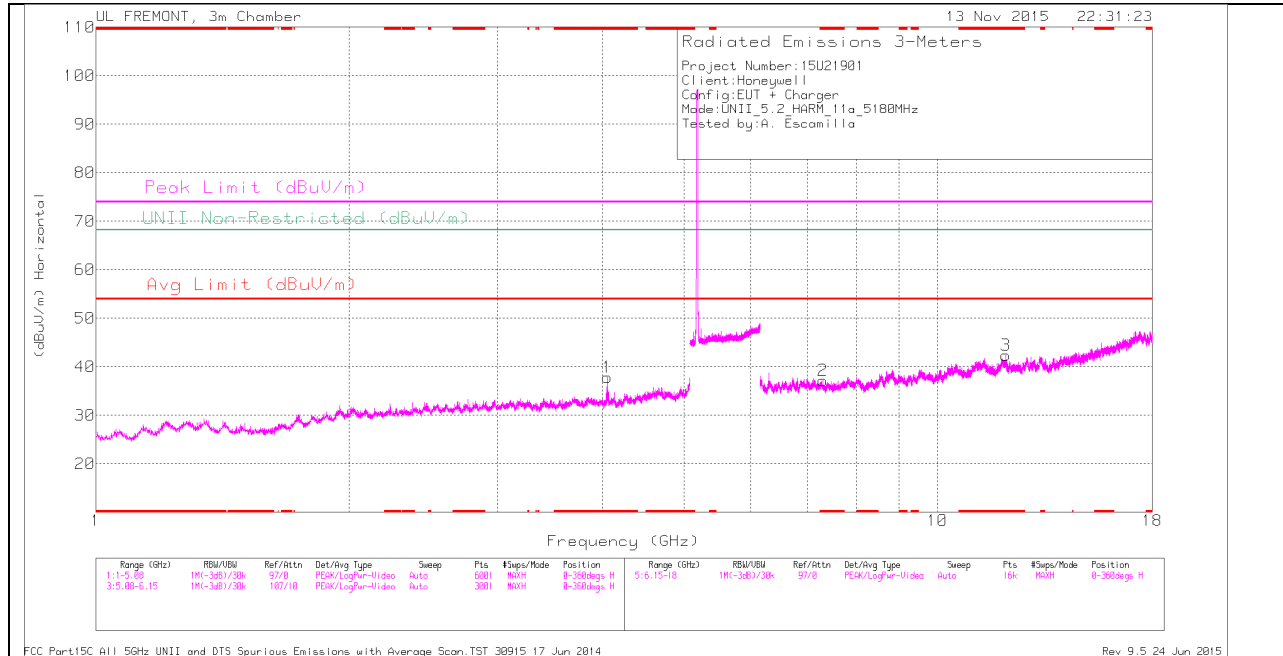
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.039	41.18	Pk	34.1	-20.1	55.18	-	-	74	-18.82	21	296	V
4	5.114	29.88	RMS	34.1	-20.2	43.78	54	-10.22	-	-	21	296	V
1	5.15	38.93	Pk	34.2	-20.3	52.83	-	-	74	-21.17	21	296	V
3	5.15	28.86	RMS	34.2	-20.3	42.76	54	-11.24	-	-	21	296	V

Pk - Peak detector

RMS - RMS detection

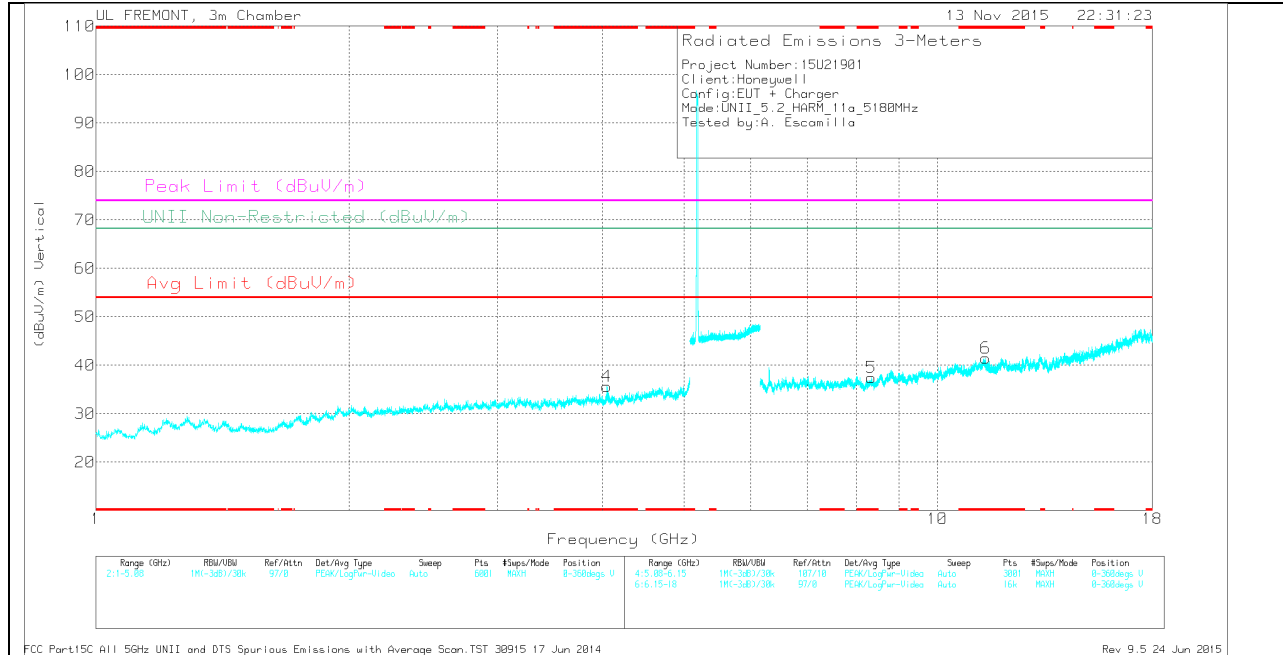
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.053	34.49	Avg	33.3	-30	0	37.79	54	-16.21	-	-	-	-	0-360	100	H
4	* 4.046	32.4	Avg	33.3	-30.1	0	35.6	54	-18.4	-	-	-	-	0-360	100	V
2	* 7.313	29.07	Avg	35.6	-27.5	0	37.17	54	-16.83	-	-	-	-	0-360	100	H
3	* 12.059	26.87	Avg	39	-23.5	0	42.37	54	-11.63	-	-	-	-	0-360	100	H
5	* 8.348	26.7	Avg	35.8	-25.1	0	37.4	54	-16.6	-	-	-	-	0-360	200	V
6	* 11.401	26.63	Avg	38.2	-23.3	0	41.53	54	-12.47	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

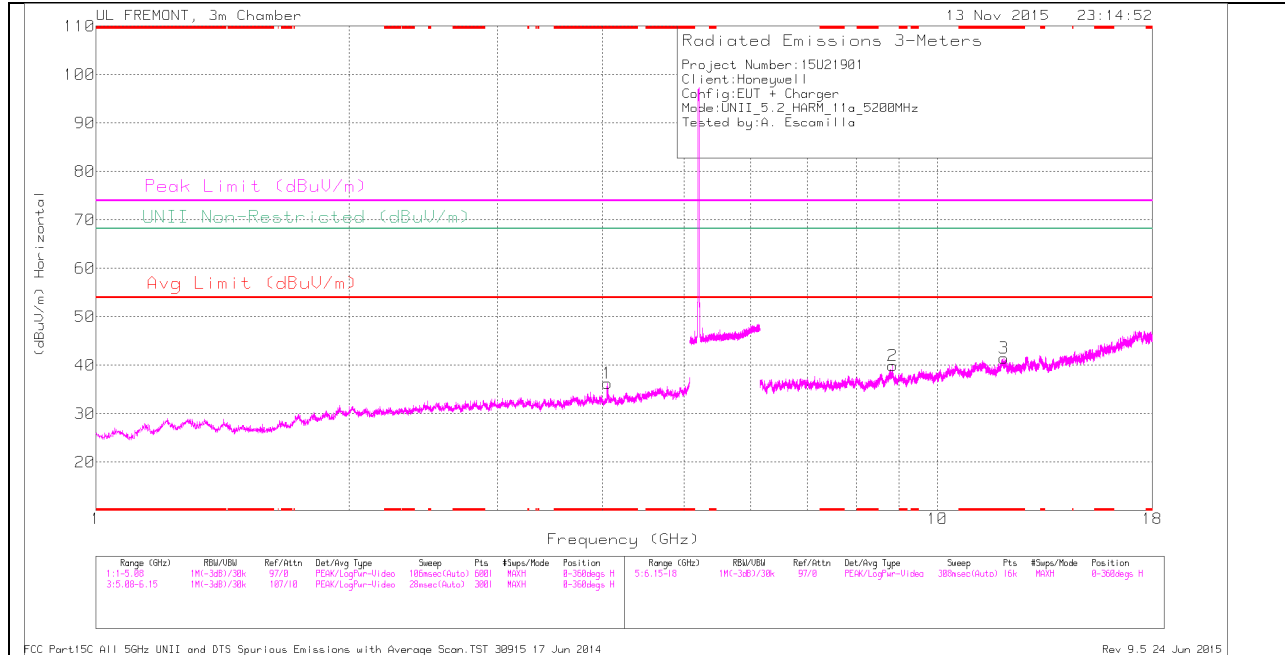
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.053	57.57	PK-U	33.3	-30	0	60.87	-	-	74	-13.13	68.2	-7.33	139	224	H
* 4.054	31.03	ADR	33.3	-29.9	.21	34.64	54	-19.36	-	-	-	-	139	224	H
* 4.046	48.51	PK-U	33.3	-30.1	0	51.71	-	-	74	-22.29	68.2	-16.49	72	118	H
* 4.045	28.66	ADR	33.3	-30.1	.21	32.07	54	-21.93	-	-	-	-	72	118	H
* 7.314	37.63	PK-U	35.6	-27.5	0	45.73	-	-	74	-28.27	68.2	-22.47	174	183	H
* 7.314	26.18	ADR	35.6	-27.5	.21	34.49	54	-19.51	-	-	-	-	174	183	H
* 12.061	34.33	PK-U	39	-23.5	0	49.83	-	-	74	-24.17	68.2	-18.37	82	185	H
* 12.06	22.79	ADR	39	-23.5	.21	38.5	54	-15.5	-	-	-	-	82	185	H
* 8.348	36.31	PK-U	35.8	-25.1	0	47.01	-	-	74	-26.99	68.2	-21.19	215	200	V
* 8.346	24.79	ADR	35.8	-25.1	.21	35.7	54	-18.3	-	-	-	-	215	200	V
* 11.402	35.27	PK-U	38.2	-23.3	0	50.17	-	-	74	-23.83	68.2	-18.03	23	145	V
* 11.402	22.97	ADR	38.2	-23.3	.21	38.08	54	-15.92	-	-	-	-	23	145	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

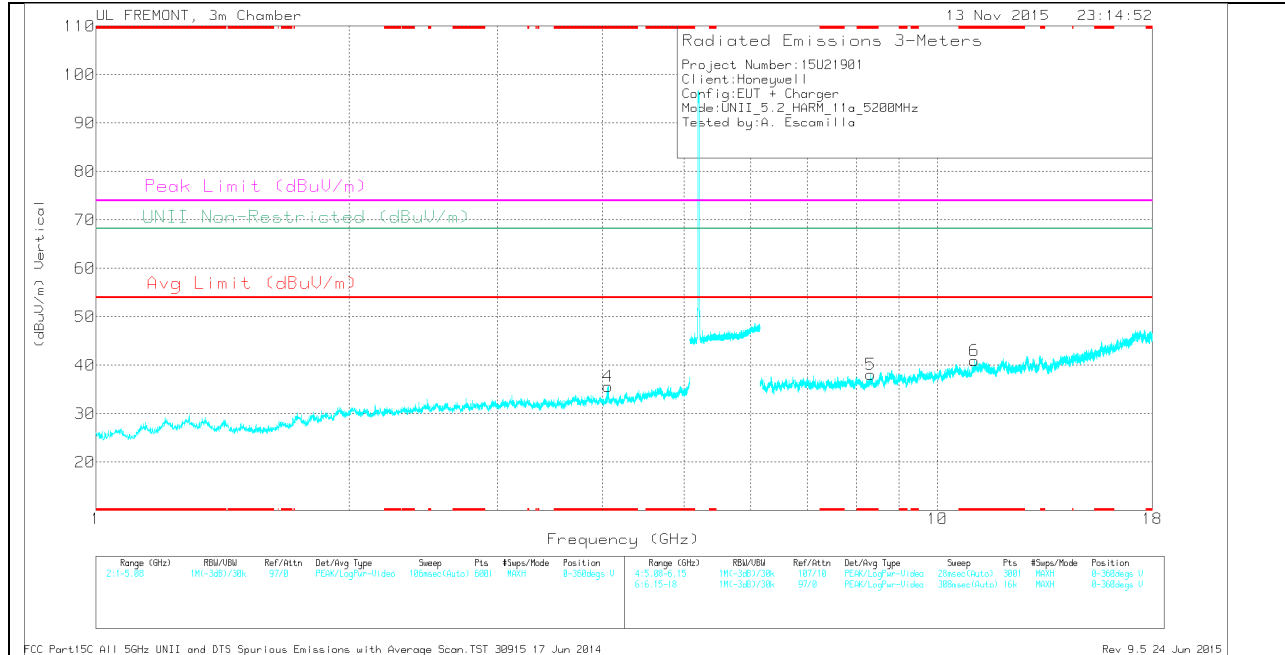
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.056	33	Avg	33.3	-30	0	36.3	54	-17.7	-	-	-	-	0-360	100	H
4	* 4.06	32.35	Avg	33.3	-30	0	35.65	54	-18.35	-	-	-	-	0-360	200	V
3	* 11.986	26.02	Avg	39.1	-23.6	0	41.52	54	-12.48	-	-	-	-	0-360	100	H
5	* 8.329	27.15	Avg	35.8	-24.9	0	38.05	54	-15.95	-	-	-	-	0-360	100	V
6	* 11.068	26.11	Avg	37.8	-22.9	0	41.01	54	-12.99	-	-	-	-	0-360	100	V
2	8.839	28.11	Avg	35.9	-24.1	0	39.91	54	-14.09	-	-	-	-	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

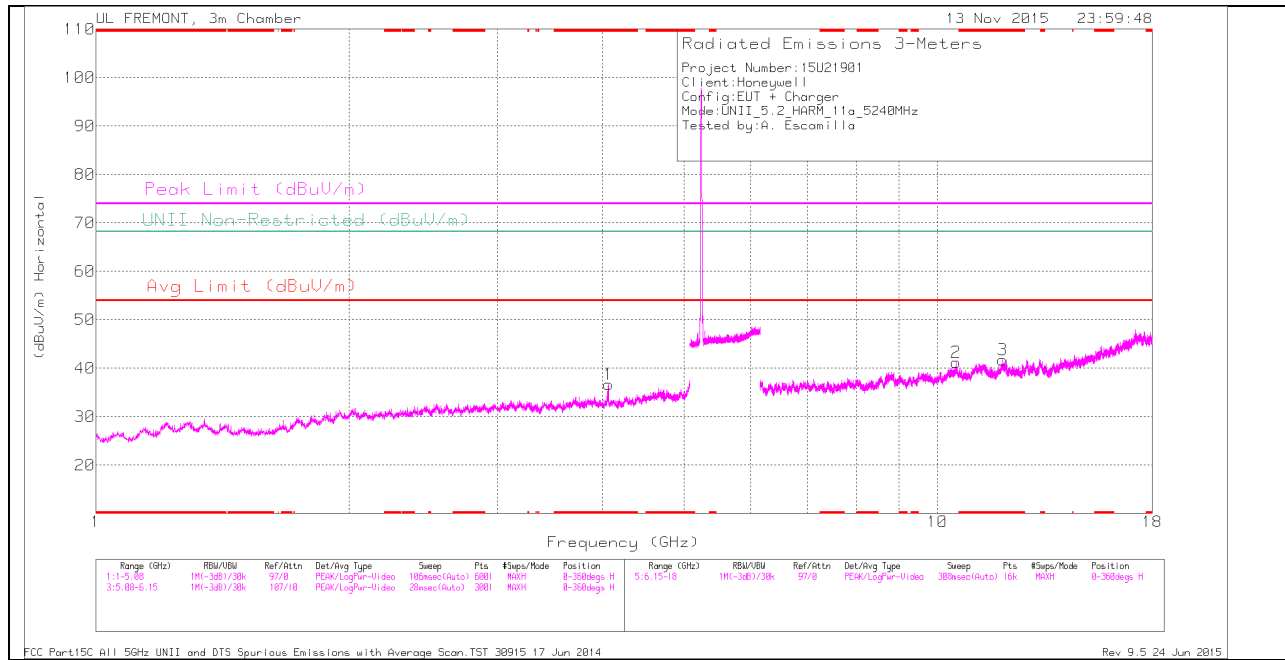
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.055	51.47	PK-U	33.3	-29.9	0	54.87	-	-	74	-19.13	68.2	-13.33	56	178	H
* 4.057	29.16	ADR	33.3	-30	.21	32.67	54	-21.33	-	-	-	-	56	178	H
* 4.058	46.78	PK-U	33.3	-30	0	50.08	-	-	74	-23.92	68.2	-18.12	135	191	V
* 4.061	28.82	ADR	33.3	-30	.21	32.33	54	-21.67	-	-	-	-	135	191	V
* 11.985	34.25	PK-U	39.1	-23.5	0	49.85	-	-	74	-24.15	68.2	-18.35	126	112	H
* 11.987	22.71	ADR	39.1	-23.6	.21	38.42	54	-15.58	-	-	-	-	126	112	H
* 8.327	37.29	PK-U	35.8	-24.9	0	48.19	-	-	74	-25.81	68.2	-20.01	322	248	V
* 8.327	25.59	ADR	35.8	-24.9	.21	36.7	54	-17.3	-	-	-	-	322	248	V
* 11.067	35.41	PK-U	37.8	-22.9	0	50.31	-	-	74	-23.69	68.2	-17.89	355	236	V
* 11.068	23.6	ADR	37.8	-22.9	.21	38.71	54	-15.29	-	-	-	-	355	236	V
8.84	35.54	PK-U	35.9	-24.1	0	47.34	-	-	74	-26.66	68.2	-20.86	179	143	H
8.84	24.16	ADR	35.9	-24.1	.21	36.17	-	-	-	-	-	-	179	143	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

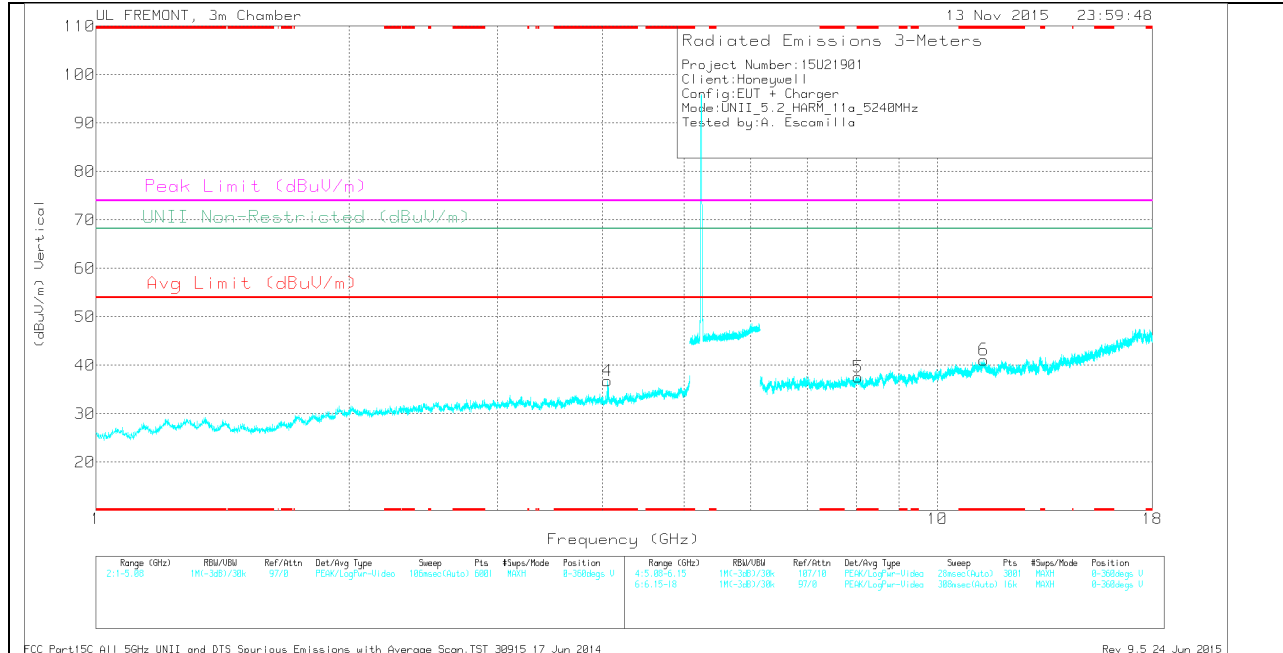
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.064	33.31	Avg	33.3	-29.9	0	36.71	54	-17.29	-	-	-	-	0-360	100	H
4	* 4.056	33.46	Avg	33.3	-30	0	36.76	54	-17.24	-	-	-	-	0-360	100	V
3	* 11.949	26.16	Avg	39.1	-23.5	0	41.76	54	-12.24	-	-	-	-	0-360	100	H
5	* 8.054	27.51	Avg	35.7	-25.6	0	37.61	54	-16.39	-	-	-	-	0-360	200	V
6	* 11.345	26.05	Avg	38.1	-23	0	41.15	54	-12.85	-	-	-	-	0-360	200	V
2	10.519	26.45	Avg	37.5	-22.7	0	41.25	54	-12.75	-	-	-	-	0-360	200	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.062	46.42	PK-U	33.3	-29.9	0	49.82	-	-	74	-24.18	68.2	-18.38	323	171	H
* 4.062	28.6	ADR	33.3	-29.9	.21	32.21	54	-21.79	-	-	-	-	323	171	H
* 4.055	58.18	PK-U	33.3	-29.9	0	61.58	-	-	74	-12.42	68.2	-6.62	190	144	V
* 4.056	31.55	ADR	33.3	-30	.21	35.06	54	-18.94	-	-	-	-	190	144	V
* 11.95	35.32	PK-U	39.1	-23.5	0	50.92	-	-	74	-23.08	68.2	-17.28	173	189	H
* 11.95	23.73	ADR	39.1	-23.5	.21	39.54	54	-14.46	-	-	-	-	173	189	H
* 8.056	36.92	PK-U	35.7	-25.6	0	47.02	-	-	74	-26.98	68.2	-21.18	99	262	V
* 8.056	25.11	ADR	35.7	-25.6	.21	35.42	54	-18.58	-	-	-	-	99	262	V
* 11.345	34.88	PK-U	38.1	-23	0	49.98	-	-	74	-24.02	68.2	-18.22	35	202	V
* 11.347	23.5	ADR	38.1	-23	.21	38.81	54	-15.19	-	-	-	-	35	202	V
10.52	35.03	PK-U	37.5	-22.7	0	49.83	-	-	74	-24.17	68.2	-18.37	101	254	H
10.52	23.53	ADR	37.5	-22.7	.21	38.54	-	-	-	-	-	-	101	254	H

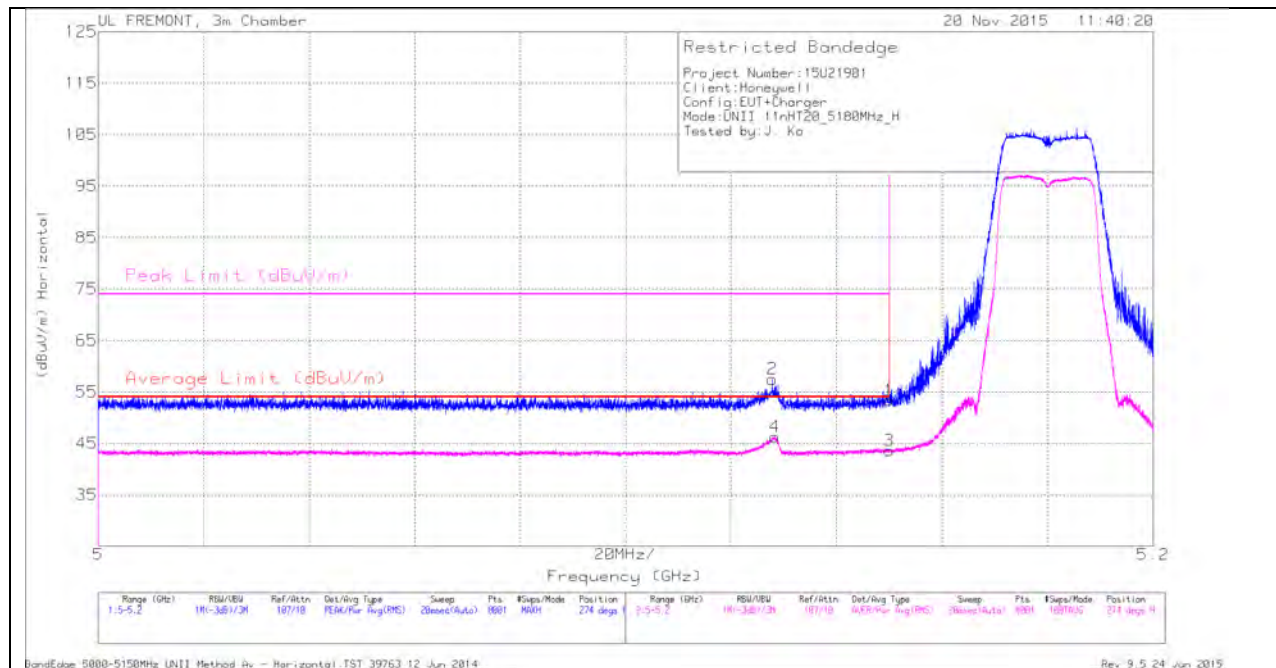
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



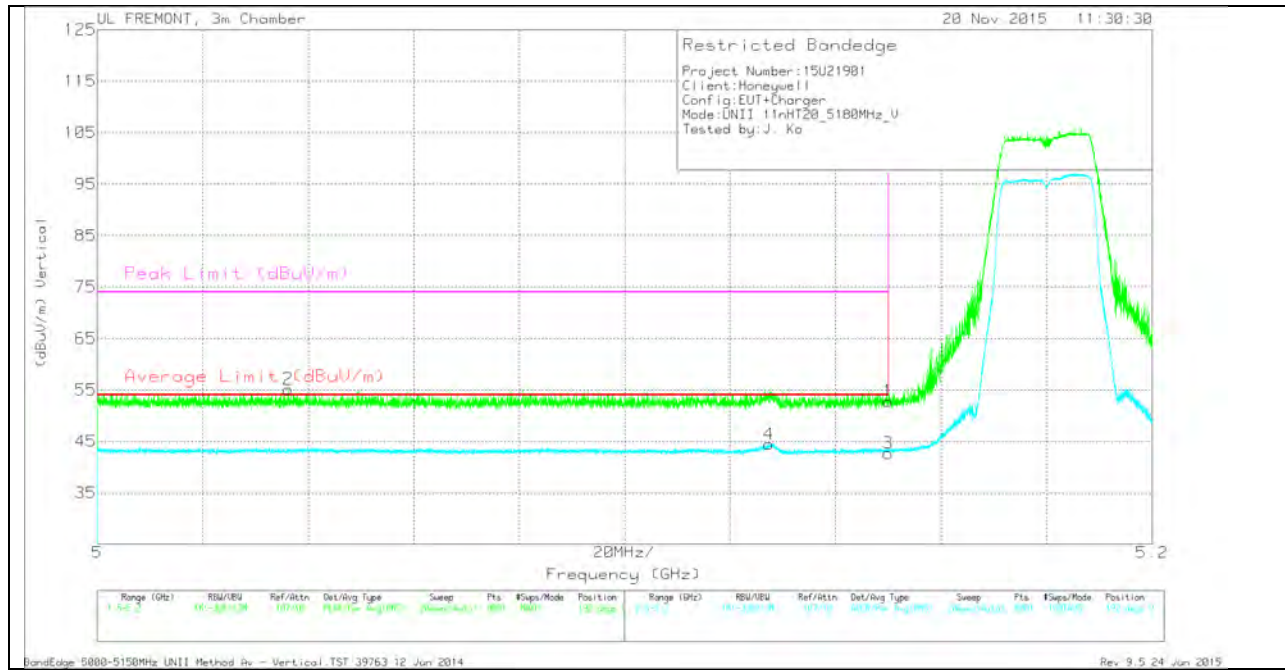
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV/m)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.128	43.59	Pk	34.2	-20.3	0	57.49	-	-	74	-16.51	274	220	H
4	5.128	32.19	RMS	34.2	-20.3	.22	46.31	54	-7.69	-	-	274	220	H
1	5.15	39.5	Pk	34.2	-20.3	0	53.4	-	-	74	-20.6	274	220	H
3	5.15	29.49	RMS	34.2	-20.3	.22	43.61	54	-10.39	-	-	274	220	H

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



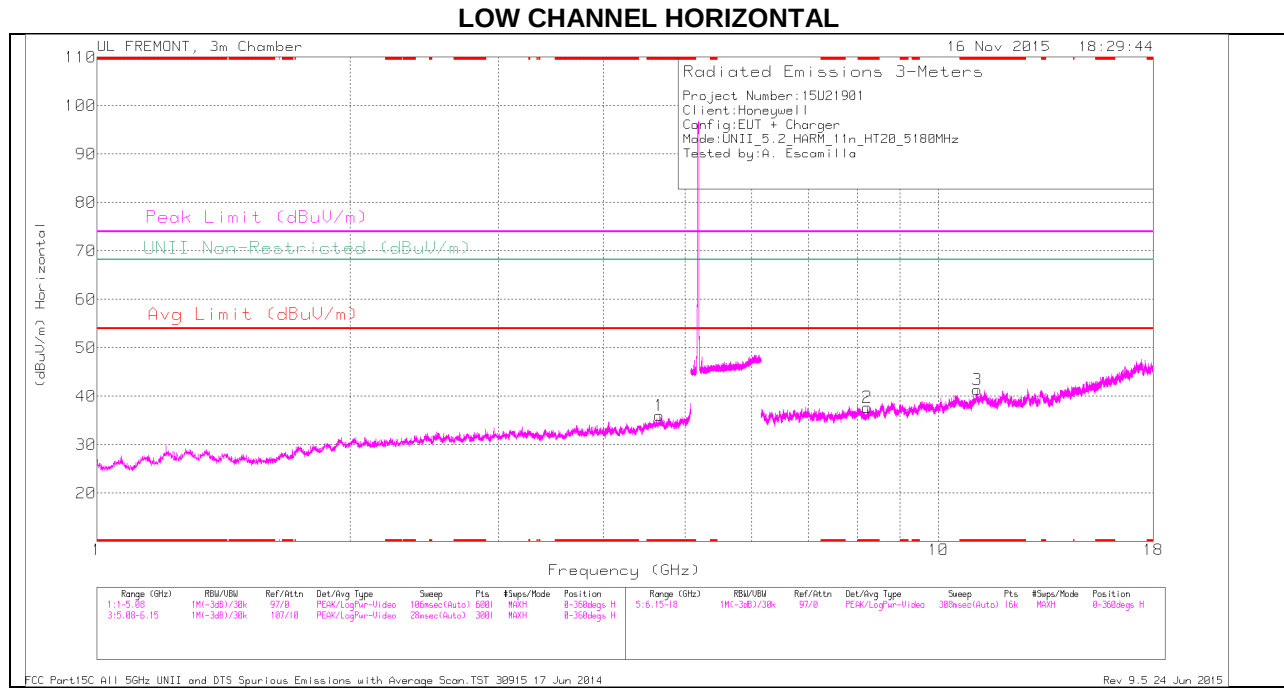
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.036	41.13	Pk	34.1	-20.1	0	55.13	-	-	74	-18.87	192	307	V
4	5.127	30.56	RMS	34.2	-20.3	.22	44.68	54	-9.32	-	-	192	307	V
1	5.15	38.93	Pk	34.2	-20.3	0	52.83	-	-	74	-21.17	192	307	V
3	5.15	28.8	RMS	34.2	-20.3	.22	42.92	54	-11.08	-	-	192	307	V

Pk - Peak detector

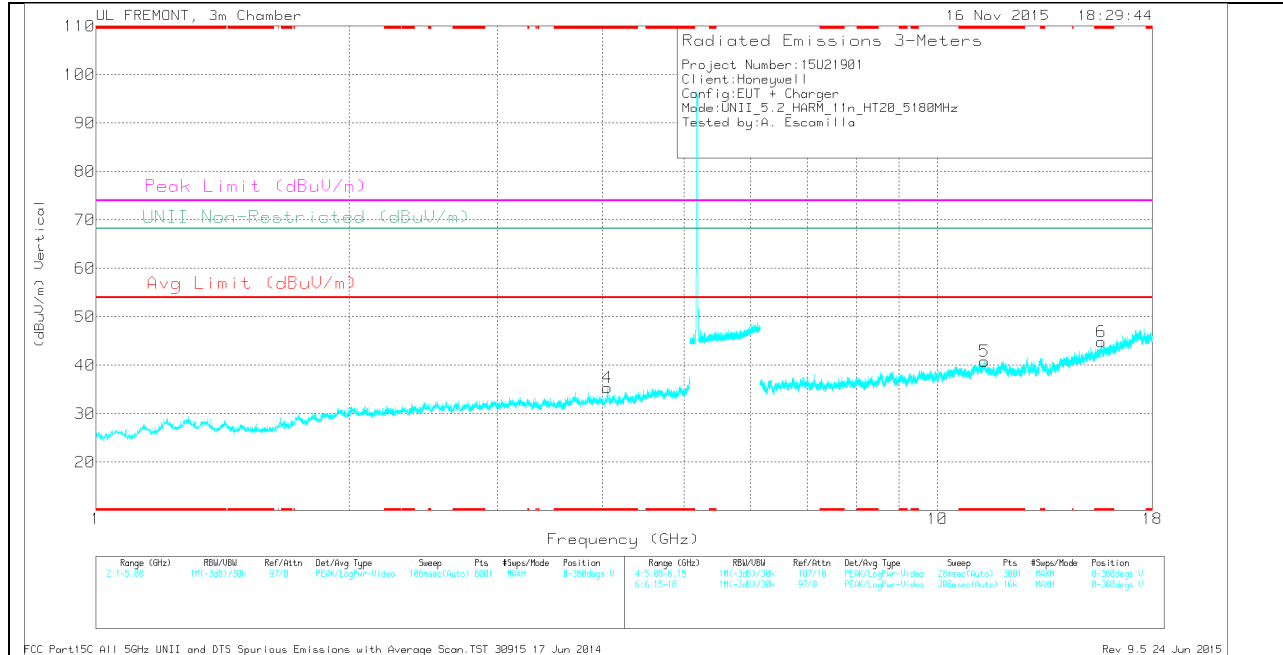
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.659	31.19	Avg	34	-29.2	0	35.99	54	-18.01	-	-	-	-	0-360	100	H
4	* 4.053	32.1	Avg	33.3	-30	0	35.4	54	-18.6	-	-	-	-	0-360	100	V
2	* 8.234	28.45	Avg	35.8	-26.5	0	37.75	54	-16.25	-	-	-	-	0-360	200	H
3	* 11.112	26.17	Avg	37.8	-22.6	0	41.37	54	-12.63	-	-	-	-	0-360	100	H
5	* 11.376	25.73	Avg	38.2	-23.1	0	40.83	54	-13.17	-	-	-	-	0-360	200	V
6	* 15.645	27.11	Avg	40.3	-22.5	0	44.91	54	-9.09	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

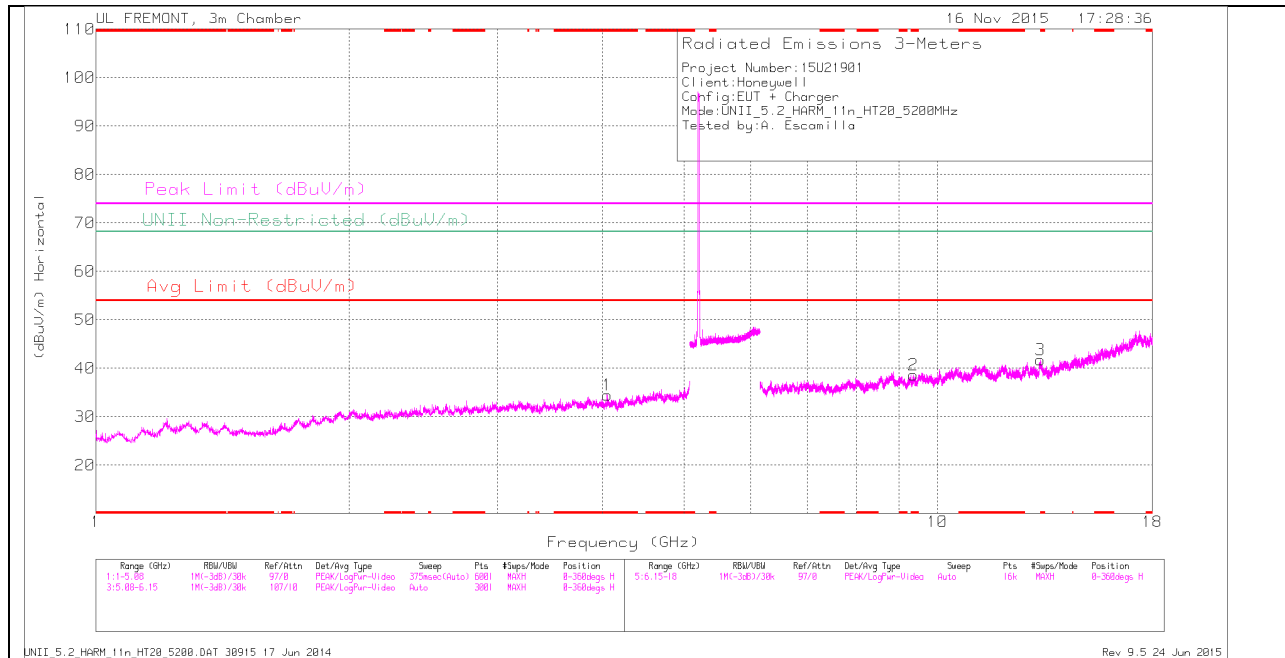
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.66	40.23	PK-U	34	-29.1	0	45.13	-	-	74	-28.87	68.2	-23.07	29	154	H
* 4.657	27.87	ADR	34	-29.2	.22	32.89	54	-21.11	-	-	-	-	29	154	H
* 4.055	52.22	PK-U	33.3	-29.9	0	55.62	-	-	74	-18.38	68.2	-12.58	95	117	V
* 4.055	29.81	ADR	33.3	-29.9	.22	33.43	54	-20.57	-	-	-	-	95	117	V
* 8.234	38.27	PK-U	35.8	-26.5	0	47.57	-	-	74	-26.43	68.2	-20.63	168	170	H
* 8.235	26.14	ADR	35.8	-26.5	.22	35.66	54	-18.34	-	-	-	-	168	170	H
* 11.112	35.33	PK-U	37.8	-22.6	0	50.53	-	-	74	-23.47	68.2	-17.67	233	229	H
* 11.114	23.35	ADR	37.8	-22.6	.22	38.77	54	-15.23	-	-	-	-	233	229	H
* 11.375	35.13	PK-U	38.2	-23.1	0	50.23	-	-	74	-23.77	68.2	-17.97	165	200	V
* 11.377	22.91	ADR	38.2	-23.2	.22	38.13	54	-15.87	-	-	-	-	165	200	V
* 15.643	35.6	PK-U	40.3	-22.5	0	53.4	-	-	74	-20.6	68.2	-14.8	142	146	V
* 15.644	24.28	ADR	40.3	-22.5	.22	42.3	54	-11.7	-	-	-	-	142	146	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

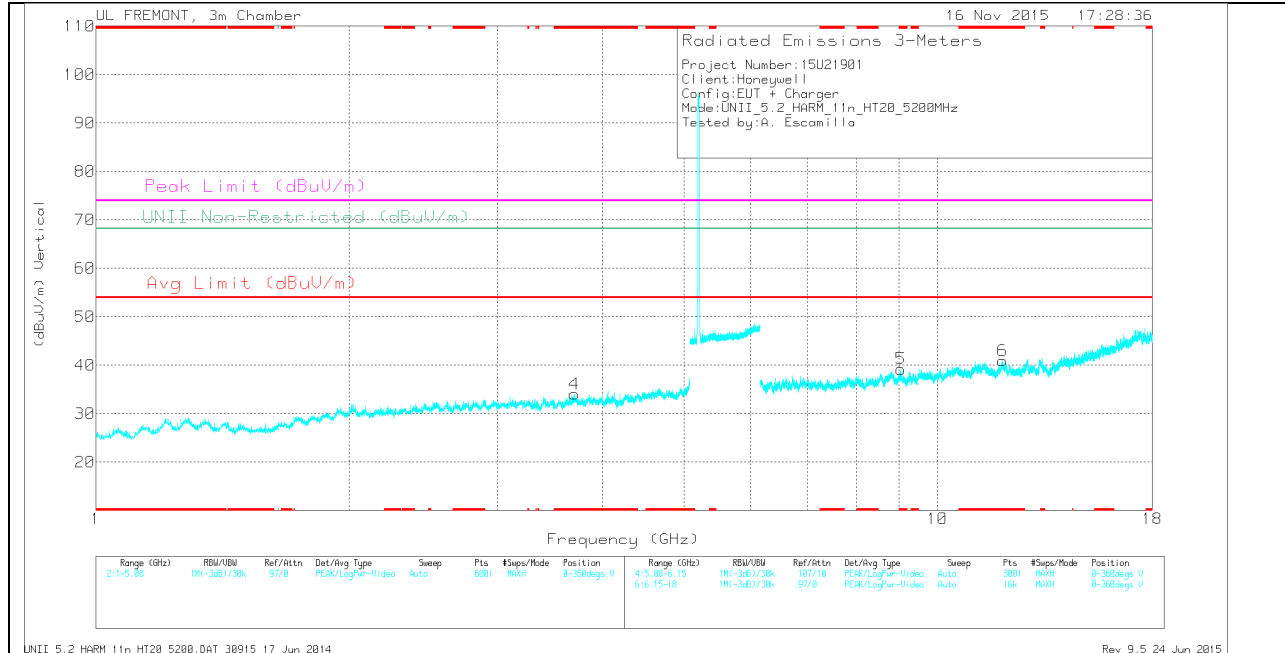
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.054	31.11	Avg	33.3	-30	0	34.41	54	-19.59	-	-	-	-	0-360	100	H
4	* 3.703	30.57	Avg	33	-29.5	0	34.07	54	-19.93	-	-	-	-	0-360	200	V
2	* 9.357	25.97	Avg	36.4	-23.7	0	38.67	54	-15.33	-	-	-	-	0-360	200	H
5	* 9.039	26.51	Avg	36.1	-23.4	0	39.21	54	-14.79	-	-	-	-	0-360	100	V
6	* 11.96	25.23	Avg	39.1	-23.4	0	40.93	54	-13.07	-	-	-	-	0-360	100	V
3	13.25	25.6	Avg	39	-22.9	0	41.7	54	-12.3	-	-	-	-	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

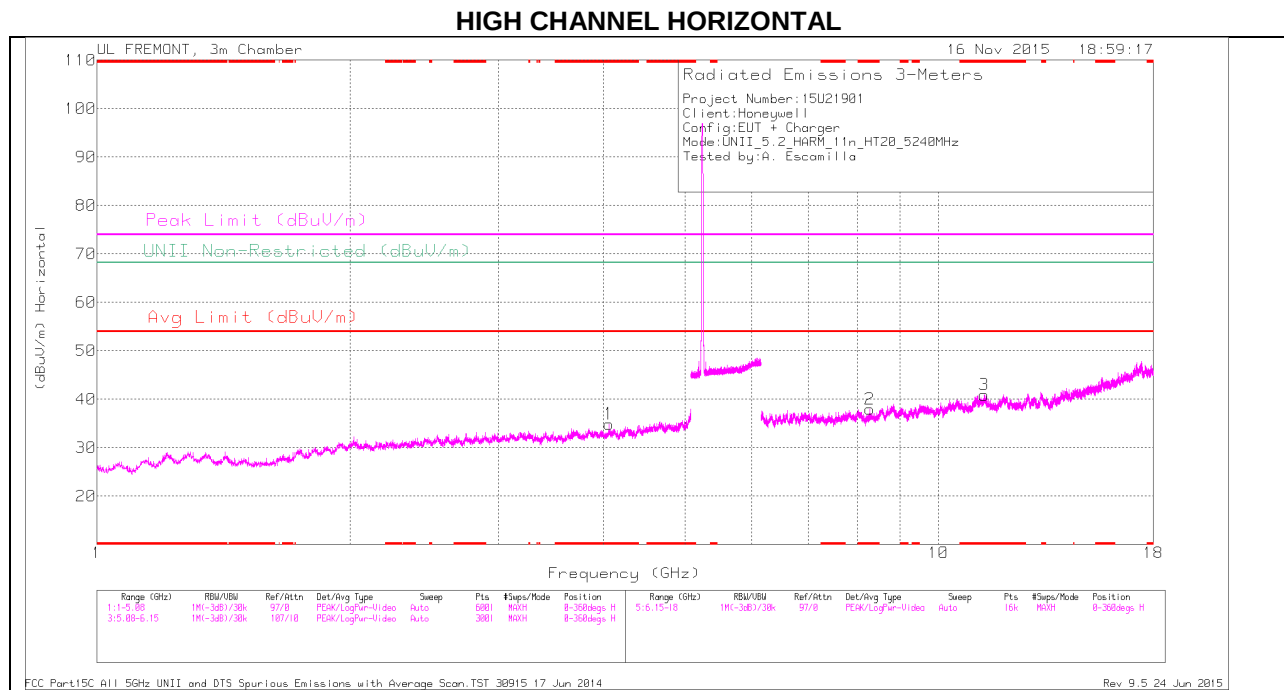
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.052	46.87	PK-U	33.3	-30	0	50.17	-	-	74	-23.83	68.2	-18.03	349	185	H
* 4.055	28.53	ADR	33.3	-29.9	.22	32.15	54	-21.85	-	-	-	-	349	185	H
* 3.704	39.77	PK-U	33	-29.5	0	43.27	-	-	74	-30.73	68.2	-24.93	183	254	V
* 3.704	27.95	ADR	33	-29.4	.22	31.77	54	-22.23	-	-	-	-	183	254	V
* 9.358	35.92	PK-U	36.4	-23.7	0	48.62	-	-	74	-25.38	68.2	-19.58	133	235	H
* 9.359	24.1	ADR	36.4	-23.7	.22	37.02	54	-16.98	-	-	-	-	133	235	H
* 9.038	35.96	PK-U	36.1	-23.5	0	48.56	-	-	74	-25.44	68.2	-19.64	49	126	V
* 9.04	23.77	ADR	36.1	-23.4	.22	36.69	54	-17.31	-	-	-	-	49	126	V
* 11.96	34.63	PK-U	39.1	-23.4	0	50.33	-	-	74	-23.67	68.2	-17.87	75	158	V
* 11.958	23.16	ADR	39.1	-23.4	.22	39.08	54	-14.92	-	-	-	-	75	158	V
13.25	35.3	PK-U	39	-22.9	0	51.4	-	-	74	-22.6	68.2	-16.8	202	150	H
13.25	23.53	ADR	39	-22.9	.22	39.85	-	-	-	-	-	-	202	150	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

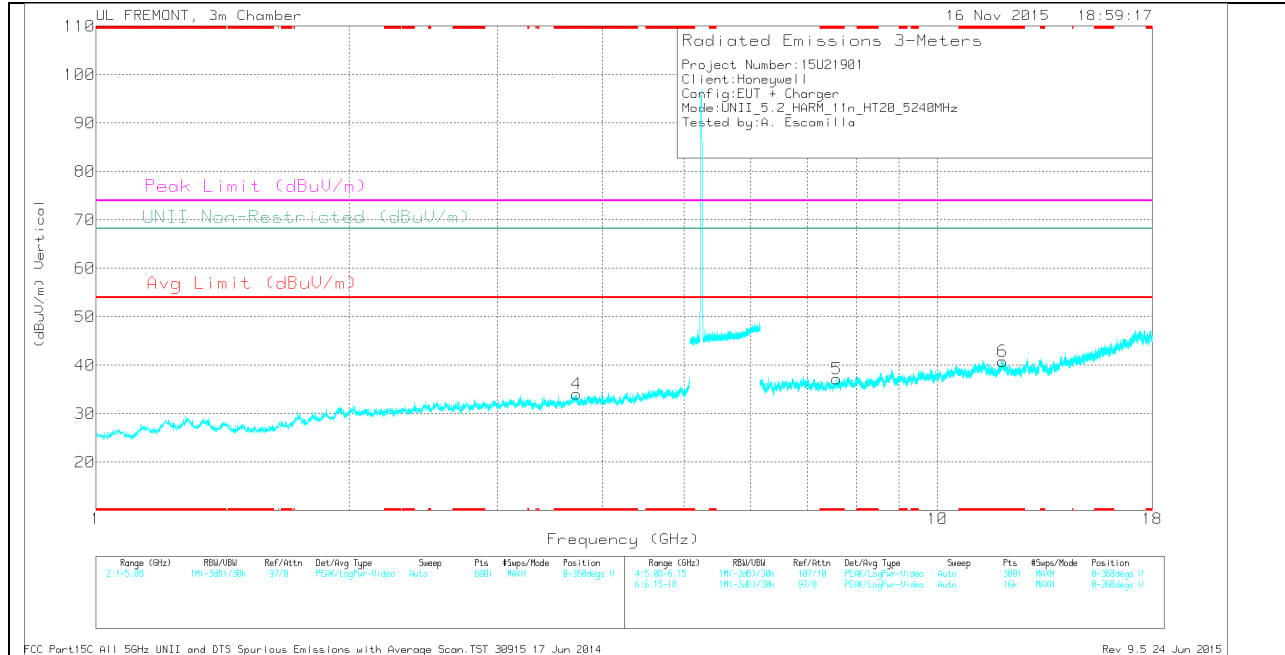
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.061	31.62	Avg	33.3	-30	0	34.92	54	-19.08	-	-	-	-	0-360	200	H
4	* 3.723	30.76	Avg	33	-29.7	0	34.06	54	-19.94	-	-	-	-	0-360	100	V
2	* 8.287	27.57	Avg	35.8	-25.4	0	37.97	54	-16.03	-	-	-	-	0-360	200	H
3	* 11.331	25.6	Avg	38.1	-22.8	0	40.9	54	-13.1	-	-	-	-	0-360	200	H
5	* 7.587	28.29	Avg	35.7	-26.8	0	37.19	54	-16.81	-	-	-	-	0-360	100	V
6	* 11.957	25.13	Avg	39.1	-23.4	0	40.83	54	-13.17	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.061	49.24	PK-U	33.3	-30	0	52.54	-	-	74	-21.46	68.2	-15.66	31	179	H
* 4.061	29.56	ADR	33.3	-30	.22	33.08	54	-20.92	-	-	-	-	31	179	H
* 3.722	40.41	PK-U	33	-29.7	0	43.71	-	-	74	-30.29	68.2	-24.49	109	129	V
* 3.722	27.98	ADR	33	-29.7	.22	31.5	54	-22.5	-	-	-	-	109	129	V
* 8.288	37.3	PK-U	35.8	-25.4	0	47.7	-	-	74	-26.3	68.2	-20.5	170	177	H
* 8.287	25.22	ADR	35.8	-25.4	.22	35.84	54	-18.16	-	-	-	-	170	177	H
* 11.333	34.64	PK-U	38.1	-22.8	0	49.94	-	-	74	-24.06	68.2	-18.26	140	200	H
* 11.333	22.63	ADR	38.1	-22.8	.22	38.15	54	-15.85	-	-	-	-	140	200	H
* 7.587	38.36	PK-U	35.7	-26.8	0	47.26	-	-	74	-26.74	68.2	-20.94	140	131	V
* 7.586	26.06	ADR	35.7	-26.8	.22	35.18	54	-18.82	-	-	-	-	140	131	V
* 11.957	34.84	PK-U	39.1	-23.4	0	50.54	-	-	74	-23.46	68.2	-17.66	196	154	V
* 11.956	22.99	ADR	39.1	-23.5	.22	38.81	54	-15.19	-	-	-	-	196	154	V

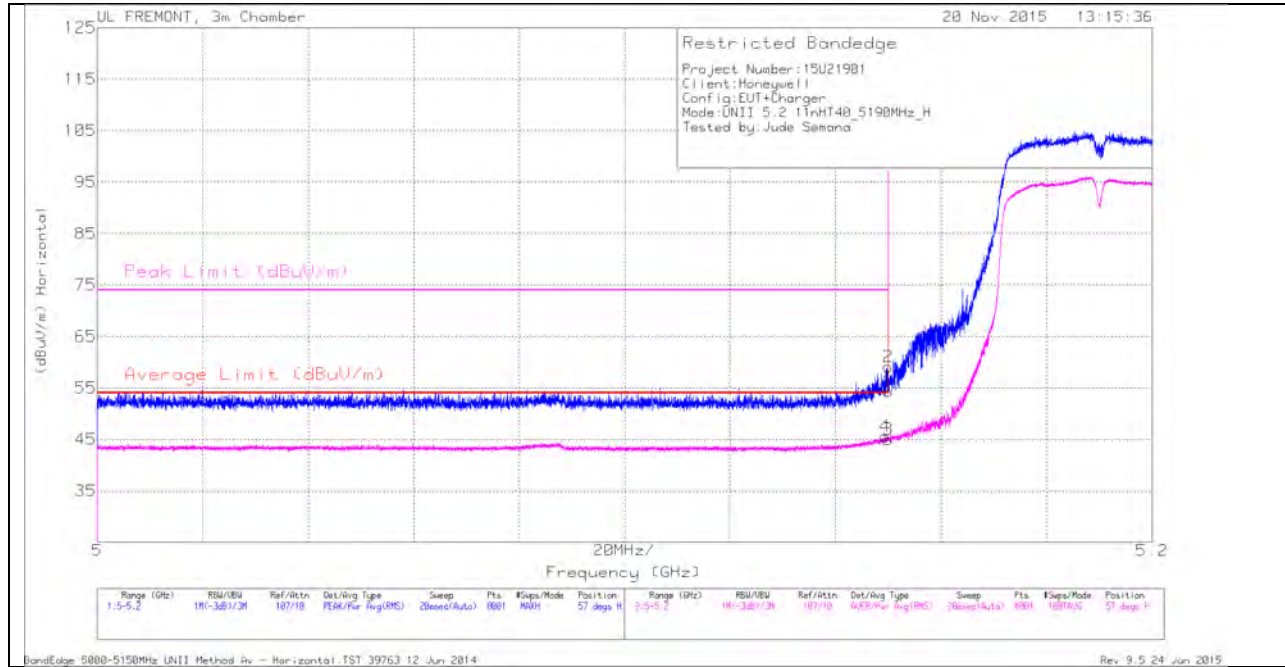
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



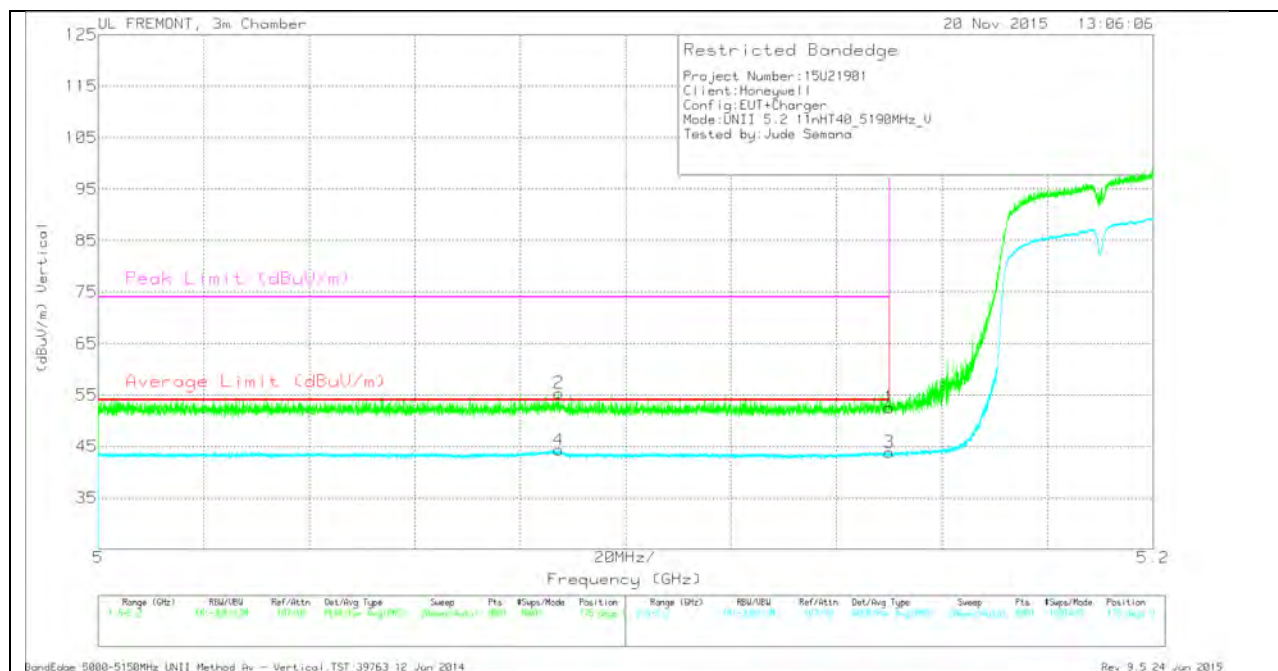
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	5.149	31.17	RMS	34.2	-20.3	.49	45.56	54	-8.44	-	-	57	259	H
1	5.15	40.5	Pk	34.2	-20.3	0	54.4	-	-	74	-19.6	57	259	H
2	5.15	45.22	Pk	34.2	-20.3	0	59.12	-	-	74	-14.88	57	259	H
3	5.15	30.61	RMS	34.2	-20.3	.49	45	54	-9	-	-	57	259	H

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

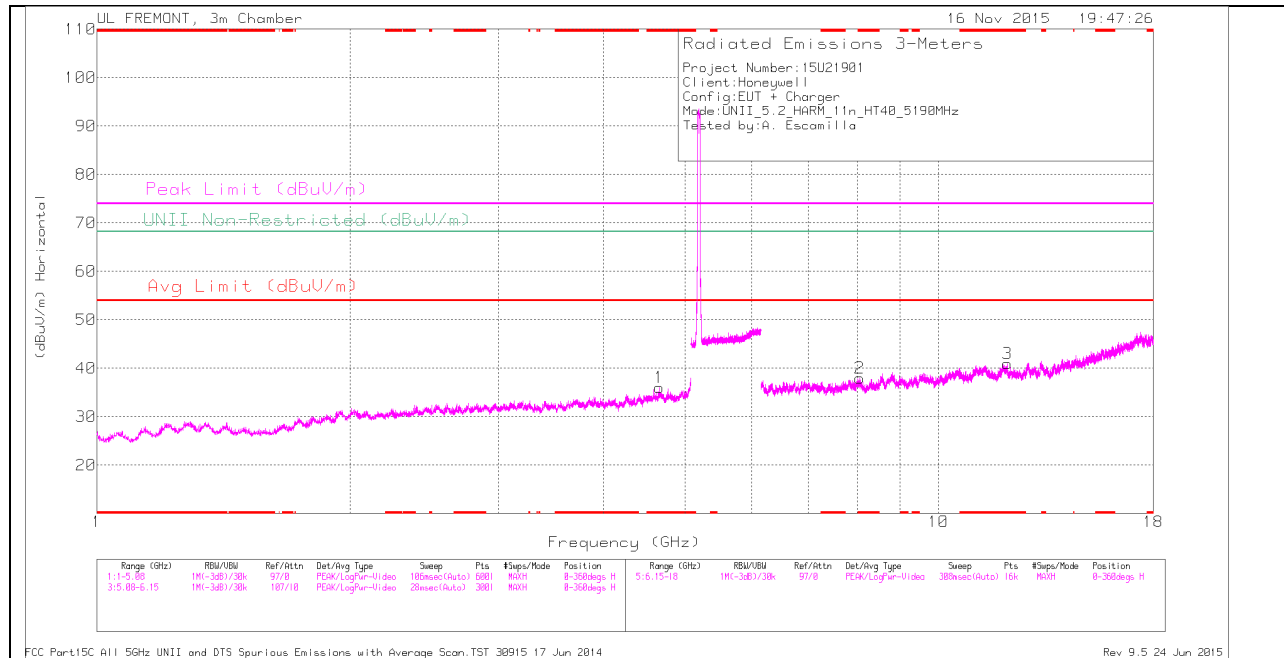
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.087	41.47	Pk	34.1	-20.2	0	55.37	-	-	74	-18.63	175	262	V
4	5.087	29.96	RMS	34.1	-20.2	.49	44.35	54	-9.65	-	-	175	262	V
1	5.15	38.66	Pk	34.2	-20.3	0	52.56	-	-	74	-21.44	175	262	V
3	5.15	29.49	RMS	34.2	-20.3	.49	43.88	54	-10.12	-	-	175	262	V

Pk - Peak detector

RMS - RMS detection

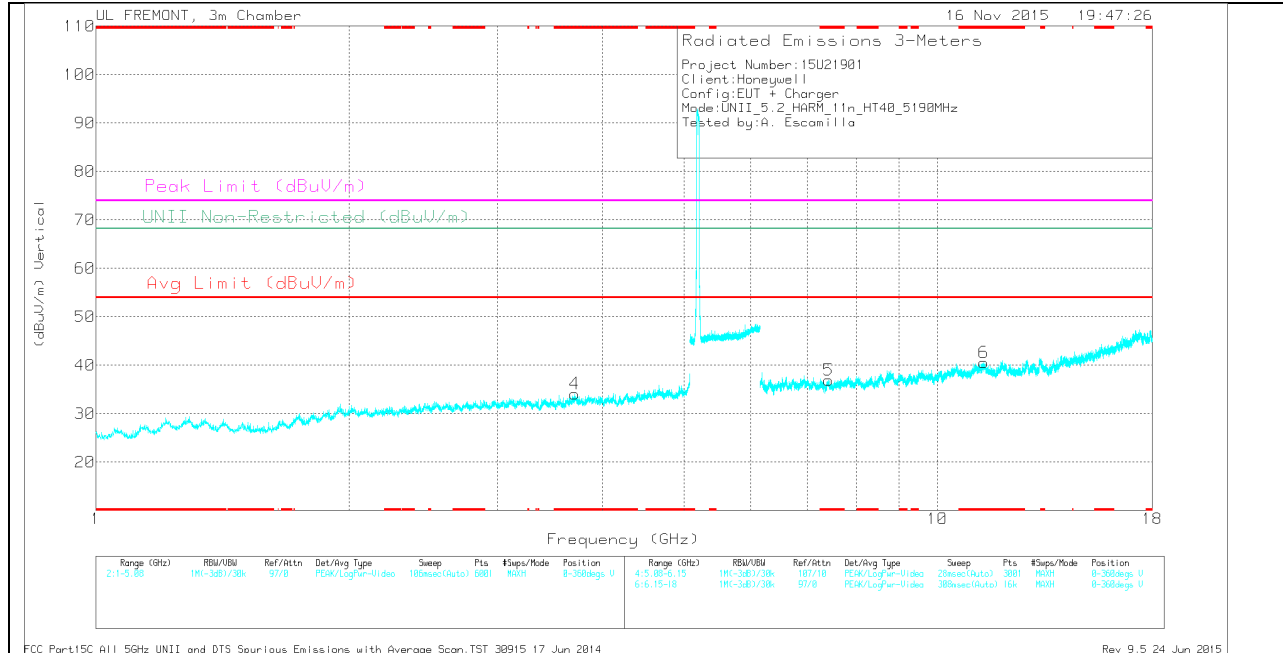
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.662	31.24	Avg	34	-29.2	0	36.04	54	-17.96	-	-	-	-	0-360	200	H
4	* 3.709	30.64	Avg	33	-29.5	0	34.14	54	-19.86	-	-	-	-	0-360	200	V
2	* 8.057	27.93	Avg	35.7	-25.6	0	38.03	54	-15.97	-	-	-	-	0-360	100	H
3	* 12.073	25.56	Avg	39	-23.6	0	40.96	54	-13.04	-	-	-	-	0-360	100	H
5	* 7.428	28.19	Avg	35.7	-26.9	0	36.99	54	-17.01	-	-	-	-	0-360	200	V
6	* 11.36	25.43	Avg	38.1	-23	0	40.53	54	-13.47	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

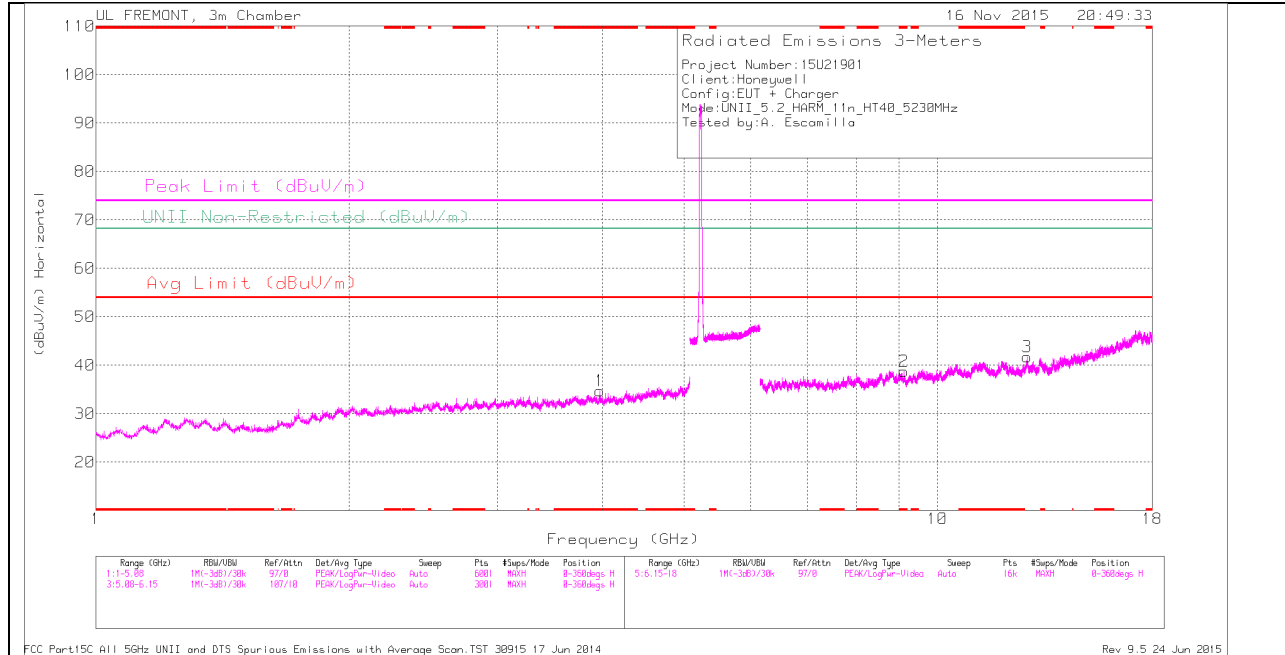
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.663	40.83	PK-U	34	-29.2	0	45.63	-	-	74	-28.37	68.2	-22.57	338	163	H
* 4.663	28.02	ADR	34	-29.2	.49	33.31	54	-20.69	-	-	-	-	338	163	H
* 3.708	39.71	PK-U	33	-29.5	0	43.21	-	-	74	-30.79	68.2	-24.99	270	183	H
* 3.71	28.14	ADR	33	-29.5	.49	32.13	54	-21.87	-	-	-	-	270	183	H
* 8.059	36.83	PK-U	35.7	-25.6	0	46.93	-	-	74	-27.07	68.2	-21.27	175	167	H
* 8.059	25.3	ADR	35.7	-25.6	.49	35.89	54	-18.11	-	-	-	-	175	167	H
* 12.072	34.33	PK-U	39	-23.6	0	49.73	-	-	74	-24.27	68.2	-18.47	216	121	H
* 12.074	22.77	ADR	39	-23.6	.49	38.66	54	-15.34	-	-	-	-	216	121	H
* 7.427	38.25	PK-U	35.7	-26.9	0	47.05	-	-	74	-26.95	68.2	-21.15	134	246	V
* 7.427	26.28	ADR	35.7	-26.9	.49	35.57	54	-18.43	-	-	-	-	134	246	V
* 11.361	35.65	PK-U	38.1	-23.1	0	50.65	-	-	74	-23.35	68.2	-17.55	353	181	V
* 11.362	23.47	ADR	38.1	-23.1	.49	38.96	54	-15.04	-	-	-	-	353	181	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

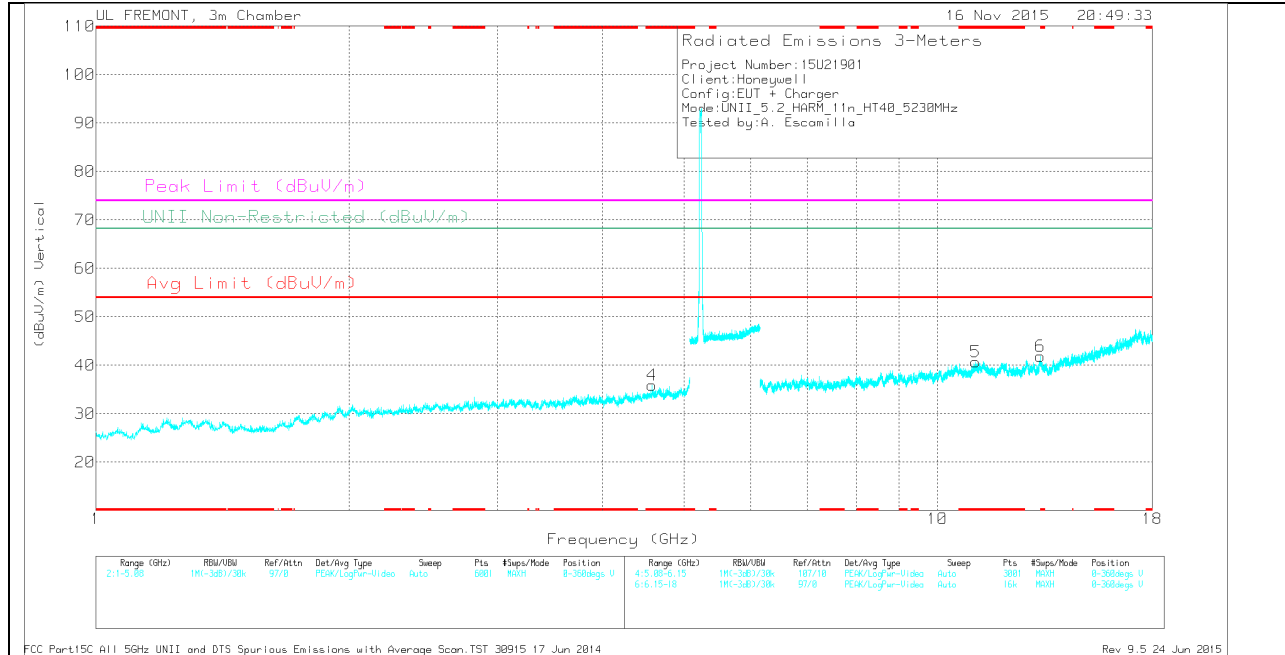
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.973	32.23	Avg	33.2	-30.7	0	34.73	54	-19.27	-	-	-	-	0-360	200	H
4	* 4.576	31.66	Avg	33.8	-29.6	0	35.86	54	-18.14	-	-	-	-	0-360	100	V
2	* 9.126	27.03	Avg	36.1	-24.4	0	38.73	54	-15.27	-	-	-	-	0-360	100	H
5	* 11.099	25.35	Avg	37.8	-22.5	0	40.65	54	-13.35	-	-	-	-	0-360	200	V
6	* 13.254	25.87	Avg	39	-23	0	41.87	54	-12.13	-	-	-	-	0-360	200	V
3	12.785	25.34	Avg	39.1	-22.7	0	41.74	54	-12.26	-	-	-	-	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.973	40.8	PK-U	33.2	-30.7	0	43.3	-	-	74	-30.7	68.2	-24.9	279	159	H
* 3.972	29.01	ADR	33.2	-30.7	.49	32	54	-22	-	-	-	-	279	159	H
* 4.576	39.8	PK-U	33.8	-29.6	0	44	-	-	74	-30	68.2	-24.2	239	115	V
* 4.577	28.29	ADR	33.8	-29.5	.49	33.08	54	-20.92	-	-	-	-	239	115	V
* 9.126	36.55	PK-U	36.1	-24.4	0	48.25	-	-	74	-25.75	68.2	-19.95	148	167	H
* 9.125	24.65	ADR	36.1	-24.4	.49	36.84	54	-17.16	-	-	-	-	148	167	H
* 11.101	35.95	PK-U	37.8	-22.6	0	51.15	-	-	74	-22.85	68.2	-17.05	140	261	V
* 11.101	23.5	ADR	37.8	-22.6	.49	39.19	54	-14.81	-	-	-	-	140	261	V
* 13.256	35.11	PK-U	39	-23	0	51.11	-	-	74	-22.89	68.2	-17.09	45	202	V
* 13.256	23.41	ADR	39	-23	.49	39.9	54	-14.1	-	-	-	-	45	202	V
12.786	23.02	ADR	39.1	-22.7	.49	39.91	-	-	-	-	-	-	91	153	H
12.787	34.74	PK-U	39.1	-22.7	0	51.14	-	-	74	-22.86	68.2	-17.06	91	153	H

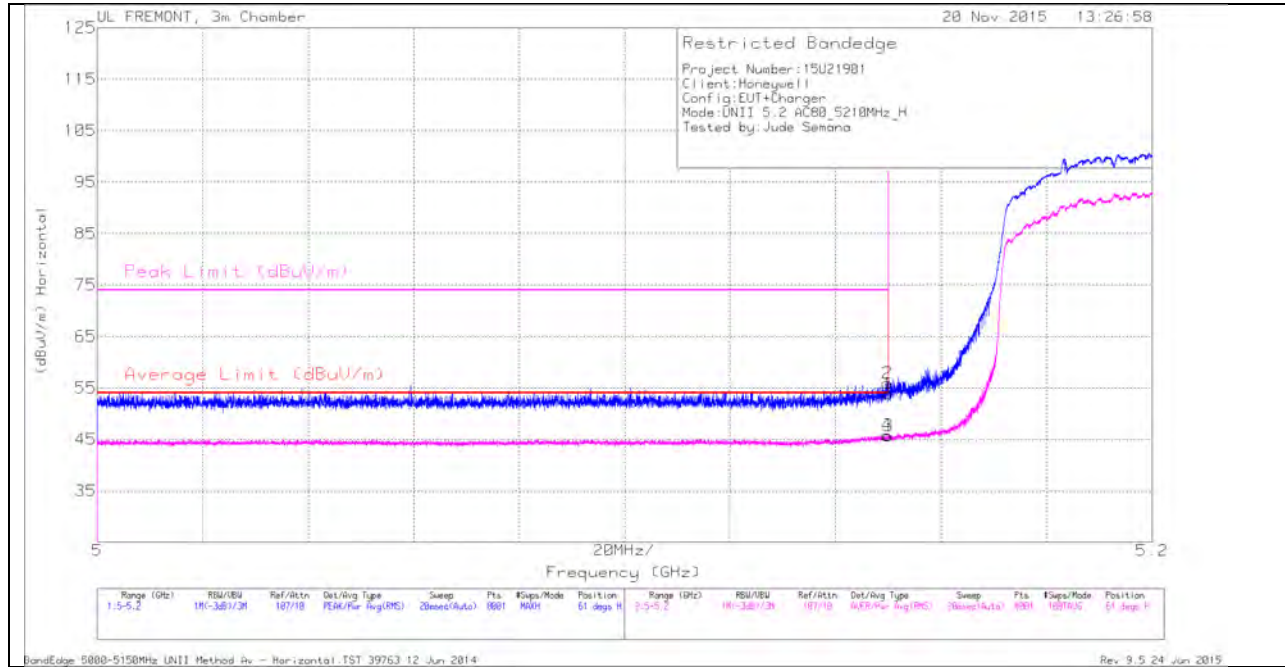
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.1.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.2 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



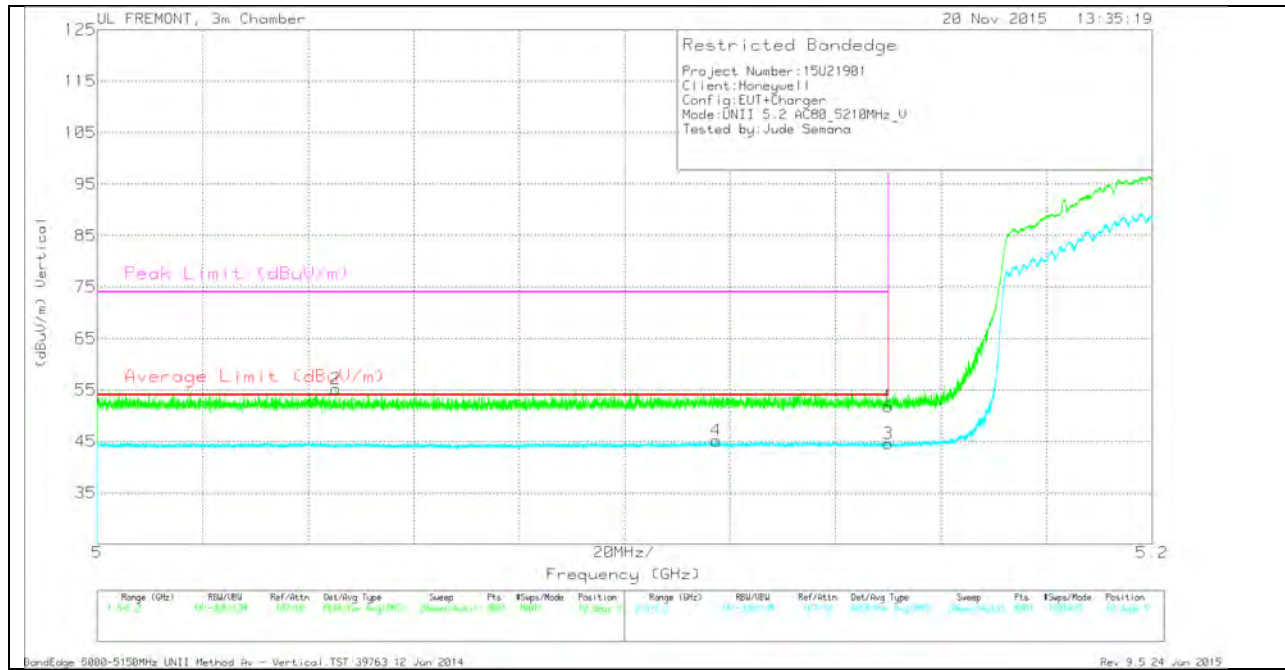
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.15	39.95	Pk	34.2	-20.3	0	53.85	-	-	74	-20.15	61	258	H
2	5.15	42.04	Pk	34.2	-20.3	0	55.94	-	-	74	-18.06	61	258	H
3	5.15	30.36	RMS	34.2	-20.3	1.47	45.73	54	-8.27	-	-	61	258	H
4	5.15	30.47	RMS	34.2	-20.3	1.47	45.84	54	-8.16	-	-	61	258	H

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



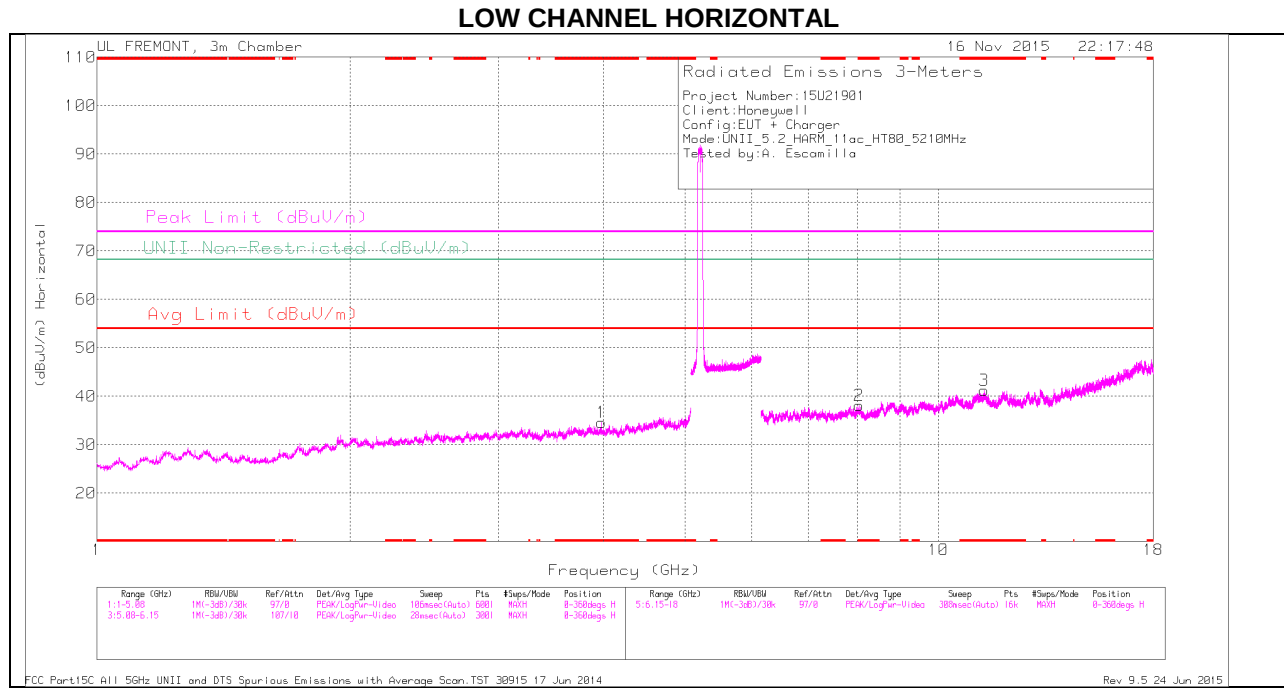
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.045	41.22	Pk	34.1	-20.1	0	55.22	-	-	74	-18.78	10	280	V
4	5.117	29.79	RMS	34.1	-20.2	1.47	45.16	54	-8.84	-	-	10	280	V
1	5.15	37.91	Pk	34.2	-20.3	0	51.81	-	-	74	-22.19	10	280	V
3	5.15	29.19	RMS	34.2	-20.3	1.47	44.56	54	-9.44	-	-	10	280	V

Pk - Peak detector

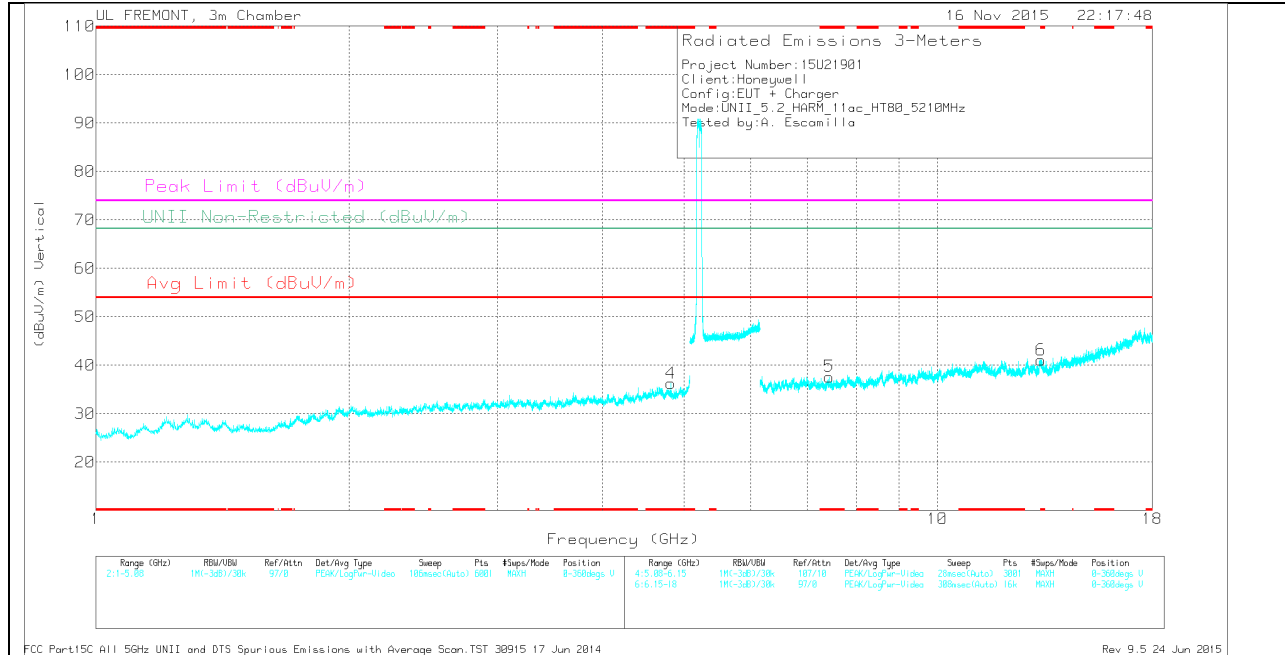
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.974	32.05	Avg	33.2	-30.7	0	34.55	54	-19.45	-	-	-	-	0-360	100	H
4	* 4.821	31.64	Avg	34	-29.4	0	36.24	54	-17.76	-	-	-	-	0-360	100	V
2	* 8.046	28.11	Avg	35.7	-25.7	0	38.11	54	-15.89	-	-	-	-	0-360	100	H
3	* 11.323	25.89	Avg	38.1	-22.8	0	41.19	54	-12.81	-	-	-	-	0-360	100	H
5	* 7.432	28.85	Avg	35.7	-26.9	0	37.65	54	-16.35	-	-	-	-	0-360	100	V
6	* 13.28	25.45	Avg	39	-23.4	0	41.05	54	-12.95	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.973	40.74	PK-U	33.2	-30.7	0	43.24	-	-	74	-30.76	68.2	-24.96	10	132	H
* 3.973	28.86	ADR	33.2	-30.7	1.47	32.83	54	-21.17	-	-	-	-	10	132	H
* 4.823	40.15	PK-U	34	-29.4	0	44.75	-	-	74	-29.25	68.2	-23.45	163	188	V
* 4.82	28.16	ADR	34	-29.4	1.47	34.23	54	-19.77	-	-	-	-	163	188	V
* 8.048	36.87	PK-U	35.7	-25.6	0	46.97	-	-	74	-27.03	68.2	-21.23	131	144	H
* 8.048	25.17	ADR	35.7	-25.6	1.47	36.74	54	-17.26	-	-	-	-	131	144	H
* 11.322	35.1	PK-U	38.1	-22.8	0	50.4	-	-	74	-23.6	68.2	-17.8	197	239	H
* 11.325	23.52	ADR	38.1	-22.8	1.47	40.29	54	-13.71	-	-	-	-	197	239	H
* 7.432	38.2	PK-U	35.7	-26.9	0	47	-	-	74	-27	68.2	-21.2	270	171	V
* 7.432	26.06	ADR	35.7	-27	1.47	36.23	54	-17.77	-	-	-	-	270	171	V
* 13.279	35.51	PK-U	39	-23.3	0	51.21	-	-	74	-22.79	68.2	-16.99	356	132	V
* 13.279	35.72	PK-U	39	-23.3	0	51.42	-	-	74	-22.58	68.2	-16.78	356	105	V
* 13.282	23.73	ADR	39	-23.4	1.47	40.8	54	-13.2	-	-	-	-	356	105	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

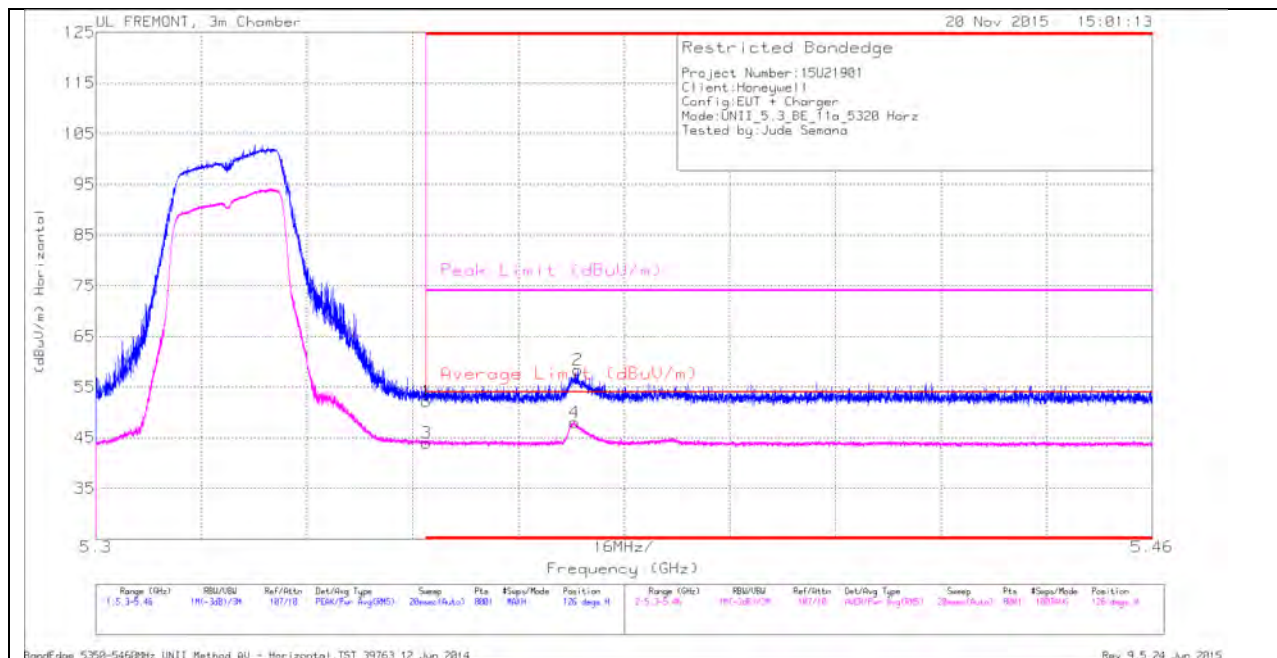
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2. 5.3 GHz

9.2.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

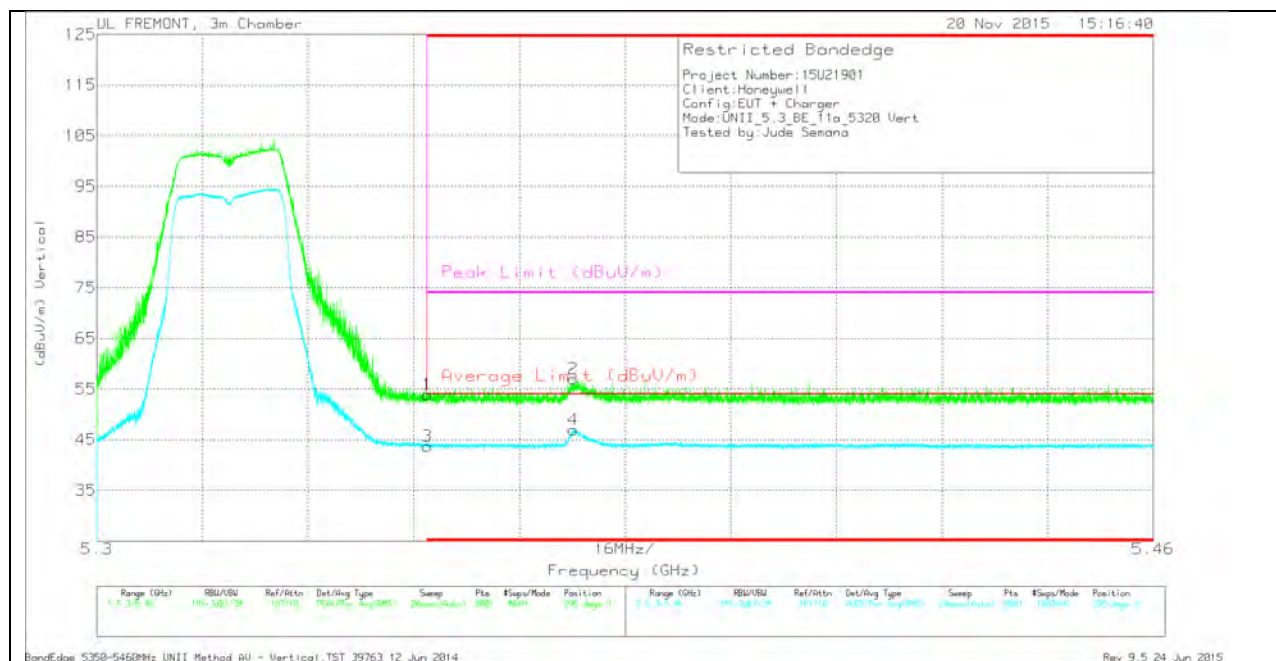
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	37.7	Pk	34.5	-20	0	52.2	-	-	74	-21.8	126	269	H
2	* 5.373	43.76	Pk	34.6	-20	0	58.36	-	-	74	-15.64	126	269	H
3	* 5.35	29.23	RMS	34.5	-20	.21	43.94	54	-10.06	-	-	126	269	H
4	* 5.372	33.3	RMS	34.6	-20	.21	48.11	54	-5.89	-	-	126	269	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

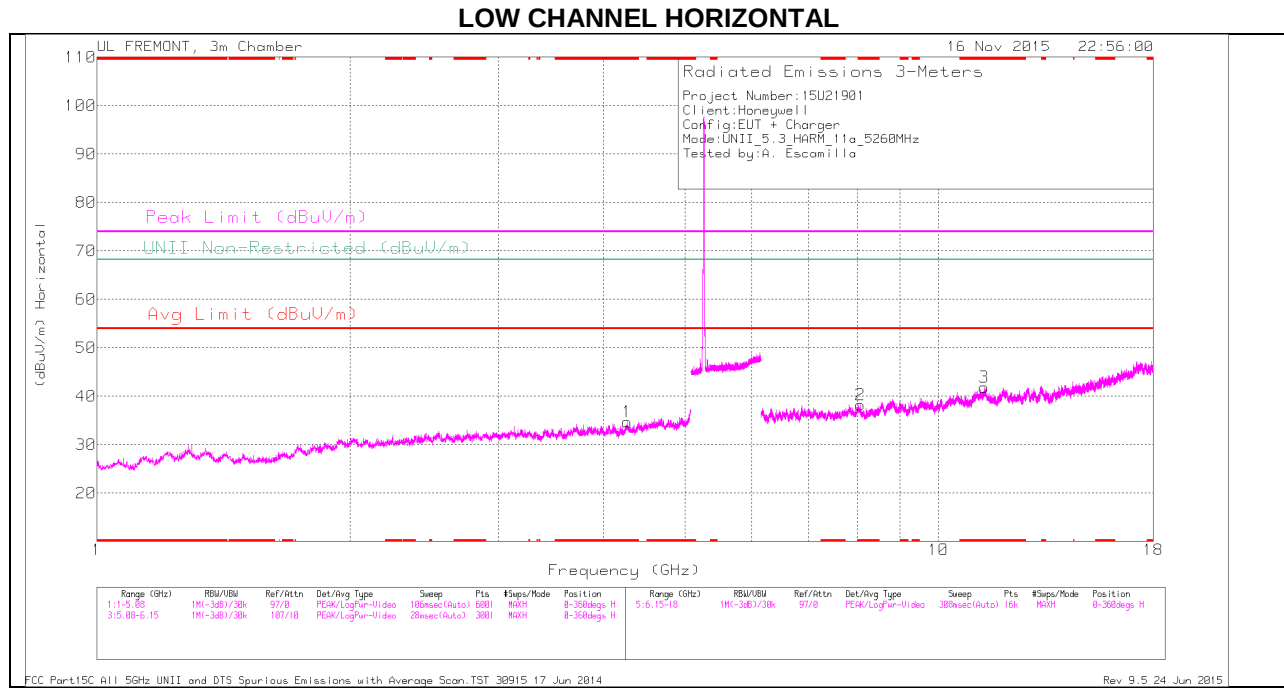
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	39.34	Pk	34.5	-20	0	53.84	-	-	74	-20.16	295	266	V
2	* 5.372	42.44	Pk	34.6	-20	0	57.04	-	-	74	-16.96	295	266	V
3	* 5.35	29.04	RMS	34.5	-20	.21	43.75	54	-10.25	-	-	295	266	V
4	* 5.372	32.15	RMS	34.6	-20	.21	46.96	54	-7.04	-	-	295	266	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

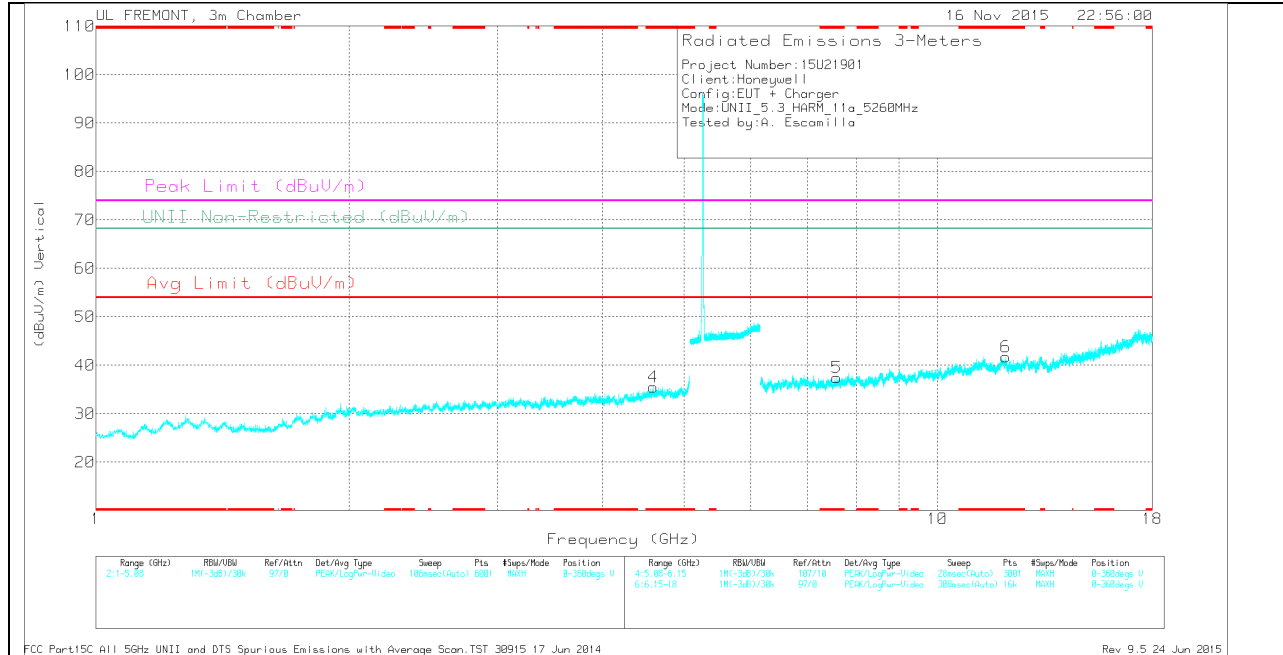
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.266	30.58	Avg	33.4	-29.3	0	34.68	54	-19.32	-	-	-	-	0-360	200	H
4	* 4.597	30.55	Avg	33.9	-29	0	35.45	54	-18.55	-	-	-	-	0-360	200	V
2	* 8.076	28.04	Avg	35.7	-25.5	0	38.24	54	-15.76	-	-	-	-	0-360	200	H
3	* 11.34	26.66	Avg	38.1	-22.9	0	41.86	54	-12.14	-	-	-	-	0-360	100	H
5	* 7.593	28.57	Avg	35.7	-26.8	0	37.47	54	-16.53	-	-	-	-	0-360	100	V
6	* 12.047	26.03	Avg	39.1	-23.4	0	41.73	54	-12.27	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

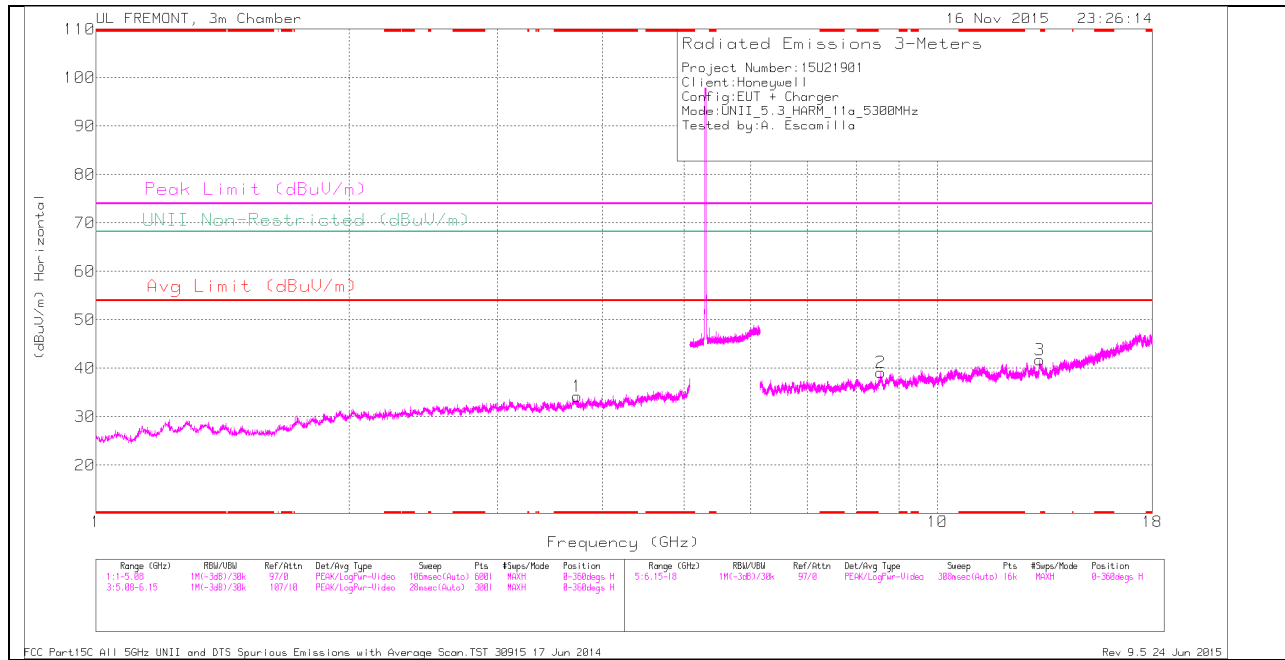
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.267	40.48	PK-U	33.4	-29.3	0	44.58	-	-	74	-29.42	68.2	-23.62	360	179	H
* 4.265	28.24	ADR	33.4	-29.4	.21	32.45	54	-21.55	-	-	-	-	360	179	H
* 4.598	40.52	PK-U	33.9	-29	0	45.42	-	-	74	-28.58	68.2	-22.78	101	244	V
* 4.596	28.16	ADR	33.9	-29	.21	33.27	54	-20.73	-	-	-	-	101	244	V
* 8.078	36.99	PK-U	35.7	-25.5	0	47.19	-	-	74	-26.81	68.2	-21.01	172	218	V
* 8.077	25.34	ADR	35.7	-25.5	.21	35.75	54	-18.25	-	-	-	-	172	218	V
* 11.34	35.24	PK-U	38.1	-22.9	0	50.44	-	-	74	-23.56	68.2	-17.76	194	159	H
* 11.342	23.25	ADR	38.1	-22.9	.21	38.66	54	-15.34	-	-	-	-	194	159	H
* 7.592	37.84	PK-U	35.7	-26.8	0	46.74	-	-	74	-27.26	68.2	-21.46	43	105	V
* 7.591	26.3	ADR	35.7	-26.8	.21	35.41	54	-18.59	-	-	-	-	43	105	V
* 12.049	34.38	PK-U	39.1	-23.4	0	50.08	-	-	74	-23.92	68.2	-18.12	10	170	V
* 12.048	22.43	ADR	39.1	-23.4	.21	38.34	54	-15.66	-	-	-	-	10	170	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

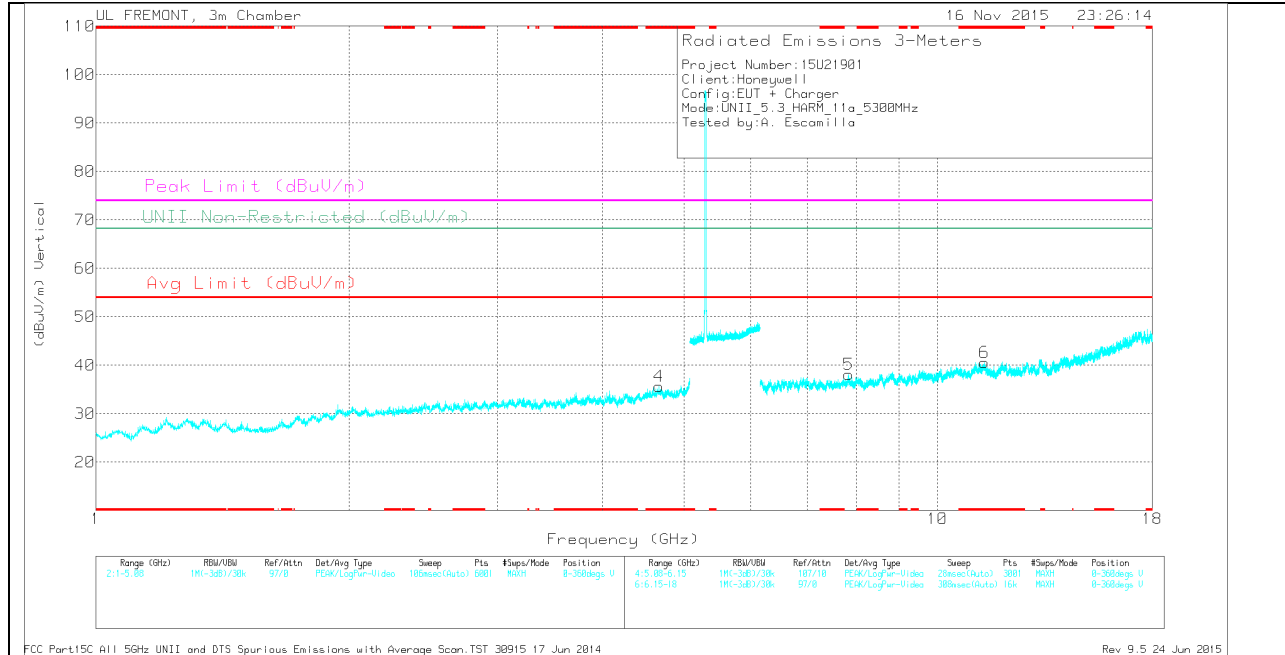
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.73	31.05	Avg	33	-29.9	0	34.15	54	-19.85	-	-	-	-	0-360	100	H
4	* 4.666	30.96	Avg	34	-29.3	0	35.66	54	-18.34	-	-	-	-	0-360	200	V
6	* 11.376	25.57	Avg	38.2	-23.2	0	40.57	54	-13.43	-	-	-	-	0-360	100	V
5	7.845	27.98	Avg	35.8	-25.7	0	38.08	54	-15.92	-	-	-	-	0-360	200	V
2	8.567	27.51	Avg	35.8	-24.2	0	39.11	54	-14.89	-	-	-	-	0-360	100	H
3	13.221	25.79	Avg	39	-23	0	41.79	54	-12.21	-	-	-	-	0-360	200	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

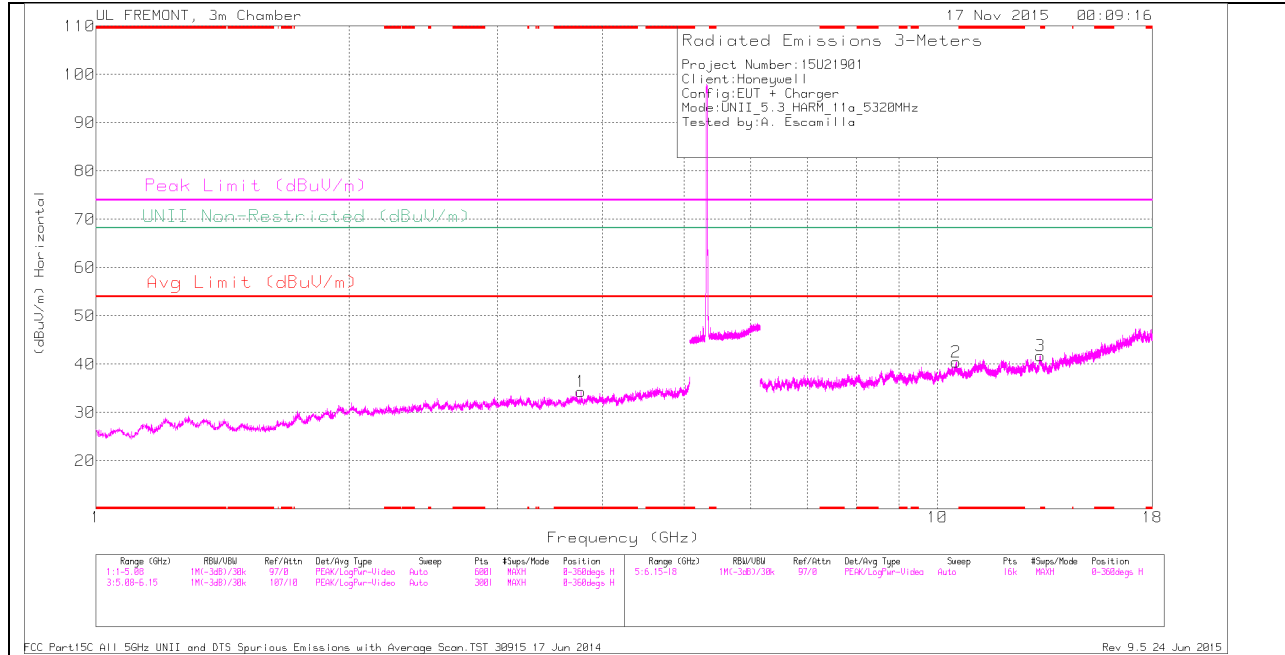
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.729	40.2	PK-U	33	-29.9	0	43.3	-	-	74	-30.7	68.2	-24.9	49	114	H
* 3.729	27.97	ADR	33	-29.9	.21	31.28	54	-22.72	-	-	-	-	49	114	H
* 4.666	39.98	PK-U	34	-29.3	0	44.68	-	-	74	-29.32	68.2	-23.52	77	167	V
* 4.665	28.27	ADR	34	-29.3	.21	33.18	54	-20.82	-	-	-	-	77	167	V
* 11.375	34.49	PK-U	38.2	-23.1	0	49.59	-	-	74	-24.41	68.2	-18.61	344	166	V
* 11.376	22.9	ADR	38.2	-23.2	.21	38.11	54	-15.89	-	-	-	-	344	166	V
7.844	25.29	ADR	35.8	-25.7	.21	35.6	-	-	-	-	-	-	245	221	V
7.846	36.92	PK-U	35.8	-25.7	0	47.02	-	-	74	-26.98	68.2	-21.18	245	221	V
8.568	36.36	PK-U	35.8	-24.2	0	47.96	-	-	74	-26.04	68.2	-20.24	180	148	H
8.568	24.68	ADR	35.8	-24.2	.21	36.49	-	-	-	-	-	-	180	148	H
13.222	35.8	PK-U	39	-23	0	51.8	-	-	74	-22.2	68.2	-16.4	160	234	H
13.223	23.95	ADR	39	-23	.21	40.16	-	-	-	-	-	-	160	234	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

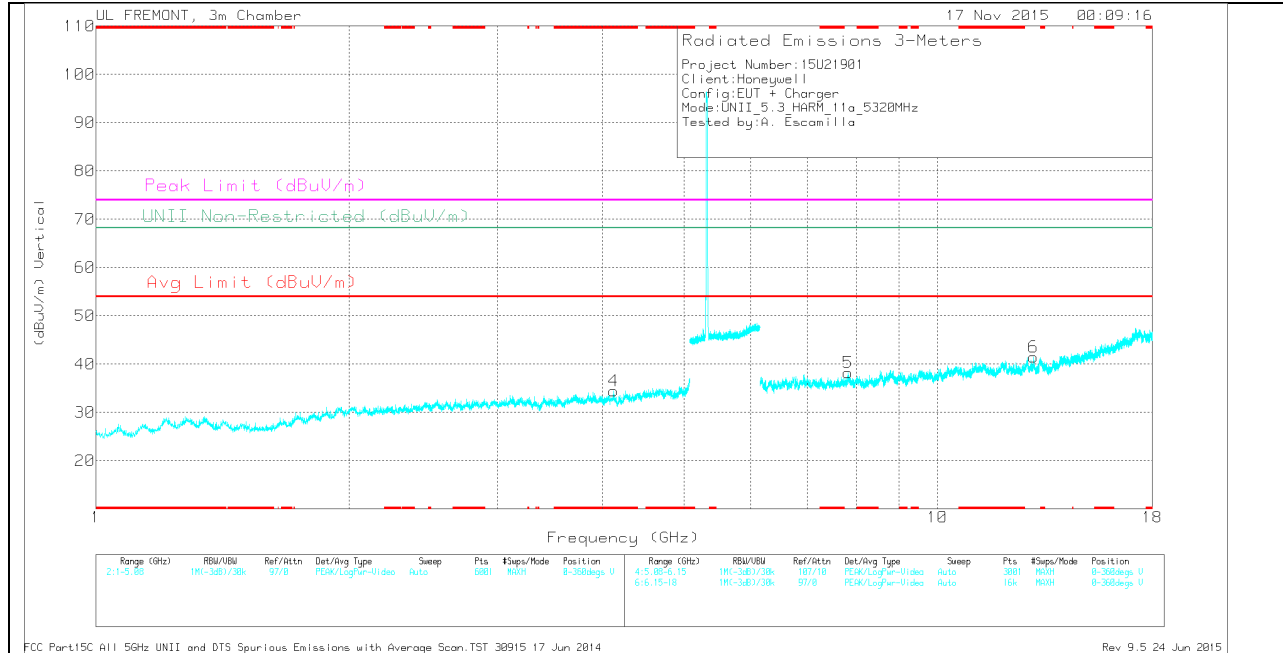
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.769	32.06	Avg	33.1	-30.8	0	34.36	54	-19.64	-	-	-	-	0-360	200	H
4	* 4.123	30.98	Avg	33.3	-29.8	0	34.48	54	-19.52	-	-	-	-	0-360	100	V
3	* 13.256	25.76	Avg	39	-23	0	41.76	54	-12.24	-	-	-	-	0-360	100	H
5	7.824	28.42	Avg	35.8	-26	0	38.22	54	-15.78	-	-	-	-	0-360	100	V
2	10.522	25.69	Avg	37.5	-22.7	0	40.49	54	-13.51	-	-	-	-	0-360	200	H
6	13.005	26.29	Avg	39	-23.8	0	41.49	54	-12.51	-	-	-	-	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filt/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.771	40.46	PK-U	33.1	-30.8	0	42.76	-	-	74	-31.24	68.2	-25.44	307	168	H
* 3.769	28.6	ADR	33.1	-30.8	.21	31.11	54	-22.89	-	-	-	-	307	168	H
* 4.122	40.4	PK-U	33.3	-29.8	0	43.9	-	-	74	-30.1	68.2	-24.3	235	119	V
* 4.122	28.62	ADR	33.3	-29.8	.21	32.33	54	-21.67	-	-	-	-	235	119	V
* 13.255	36.37	PK-U	39	-23	0	52.37	-	-	74	-21.63	68.2	-15.83	117	243	H
* 13.258	24.17	ADR	39	-23	.21	40.38	54	-13.62	-	-	-	-	117	243	H
7.824	37.79	PK-U	35.8	-26	0	47.59	-	-	74	-26.41	68.2	-20.61	184	189	V
7.826	25.85	ADR	35.8	-26	.21	35.86	-	-	-	-	-	-	184	189	V
10.524	34.48	PK-U	37.5	-22.7	0	49.28	-	-	74	-24.72	68.2	-18.92	148	197	H
10.524	22.51	ADR	37.5	-22.7	.21	37.52	-	-	-	-	-	-	148	197	H
13.005	35.03	PK-U	39	-23.8	0	50.23	-	-	74	-23.77	68.2	-17.97	3	217	V
13.007	23.2	ADR	39	-23.8	.21	38.61	-	-	-	-	-	-	3	217	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

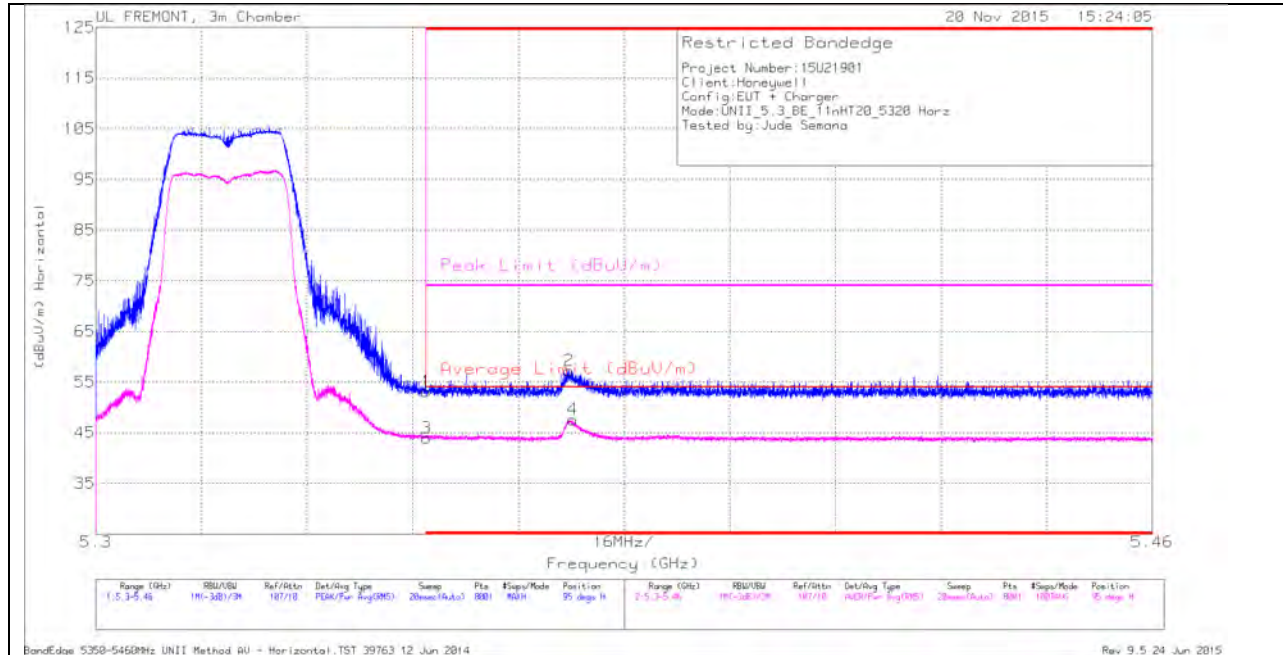
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

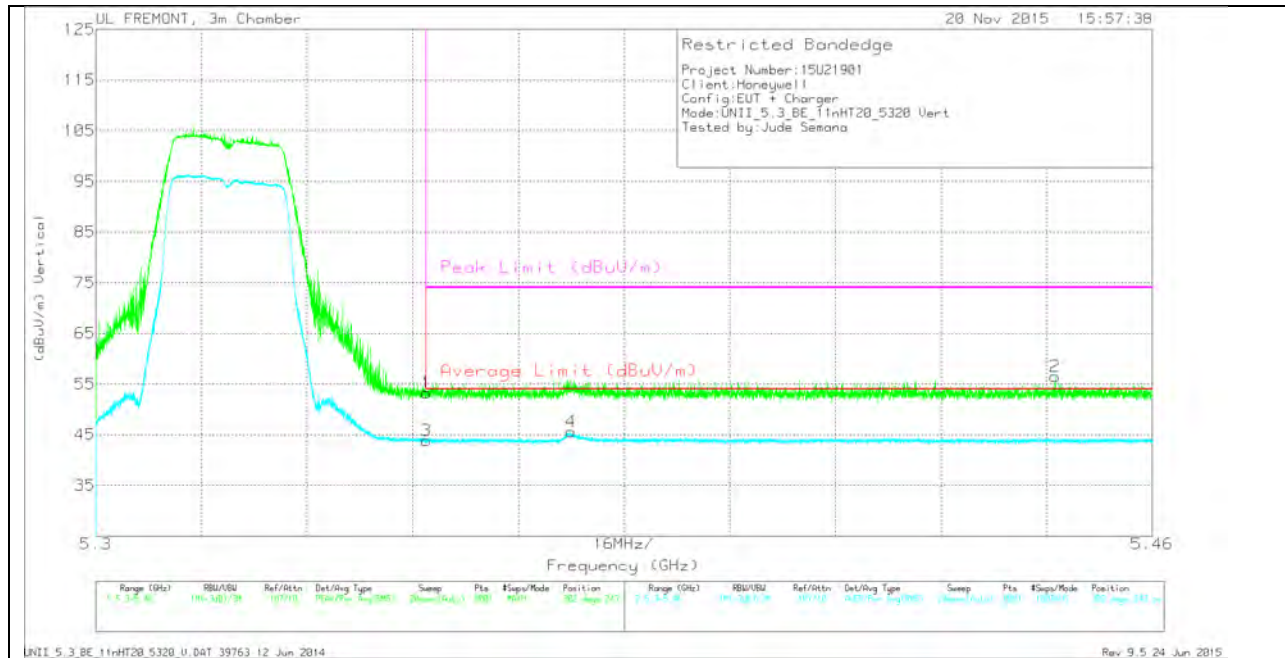
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	38.63	Pk	34.5	-20	0	53.13	-	-	74	-20.87	95	285	H
2	* 5.372	42.65	Pk	34.6	-20	0	57.25	-	-	74	-16.75	95	285	H
3	* 5.35	29.29	RMS	34.5	-20	.22	44.01	54	-9.99	-	-	95	285	H
4	* 5.372	32.8	RMS	34.6	-20	.22	47.62	54	-6.38	-	-	95	285	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

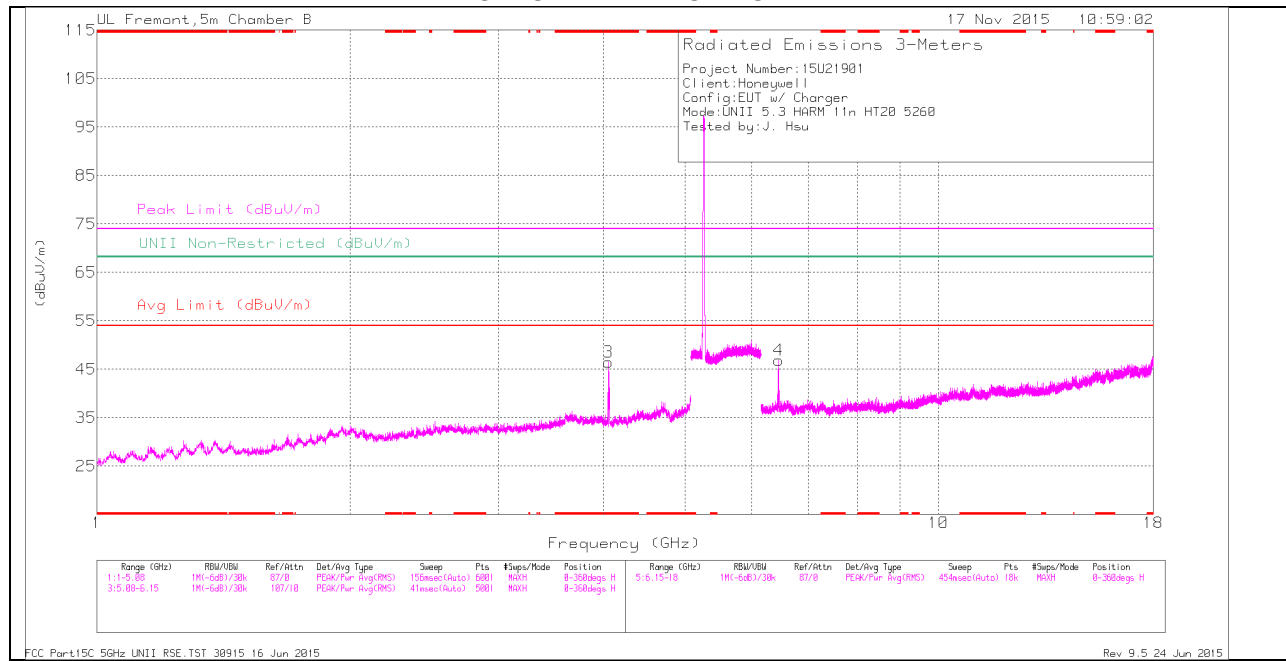
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	38.79	Pk	34.5	-20	0	53.29	-	-	74	-20.71	302	243	V
3	5.35	29.12	RMS	34.5	-20	.22	43.84	54	-10.16	-	-	302	243	V
4	5.372	30.76	RMS	34.6	-20	.22	45.58	54	-8.42	-	-	302	243	V
2	5.445	41.84	Pk	34.6	-19.9	0	56.54	-	-	74	-17.46	302	243	V

Pk - Peak detector

RMS - RMS detection

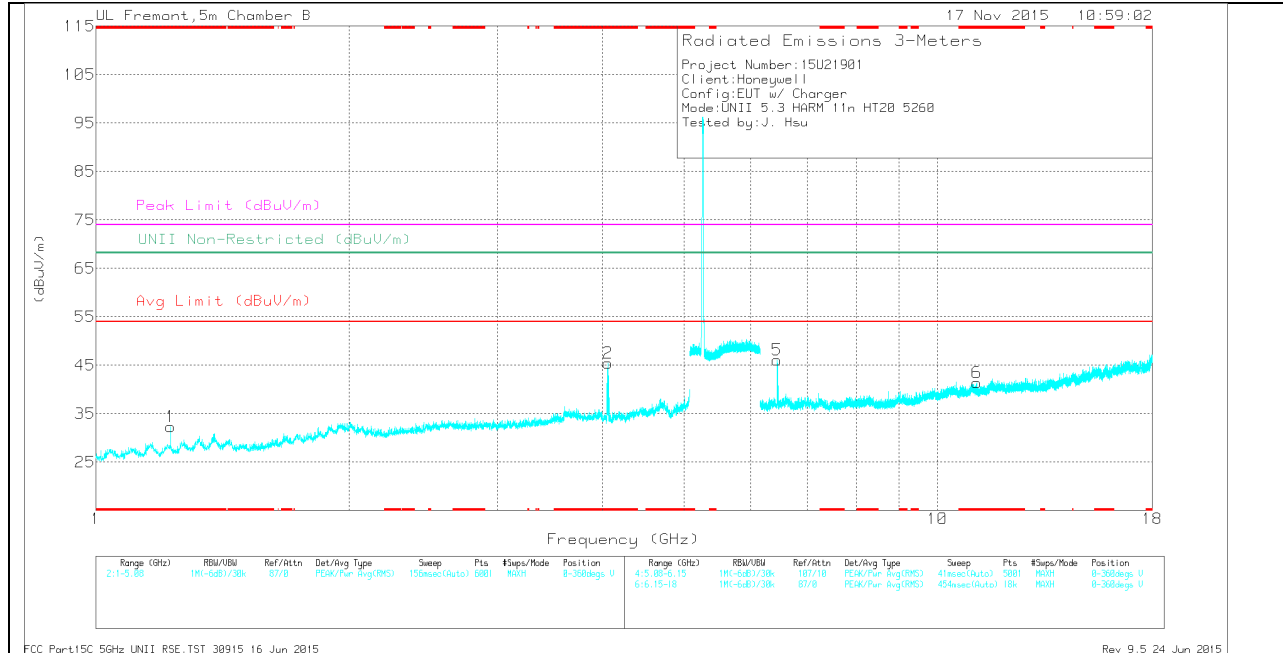
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.055	46.1	Pk	33.3	-32.9	0	46.5	-	-	74	-27.5	-	-	0-360	102	H
1	* 1.226	39.41	Pk	28.7	-35.8	0	32.31	-	-	74	-41.69	-	-	0-360	199	V
2	* 4.057	45.04	Pk	33.3	-32.9	0	45.44	-	-	74	-28.56	-	-	0-360	101	V
6	* 11.135	29.15	Pk	37.8	-25.5	0	41.45	-	-	74	-32.55	-	-	0-360	102	V
5	6.451	40.97	Pk	35.8	-30.7	0	46.07	-	-	-	-	68.2	-22.13	0-360	102	V
4	6.455	41.79	Pk	35.8	-30.7	0	46.89	-	-	-	-	68.2	-21.31	0-360	101	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

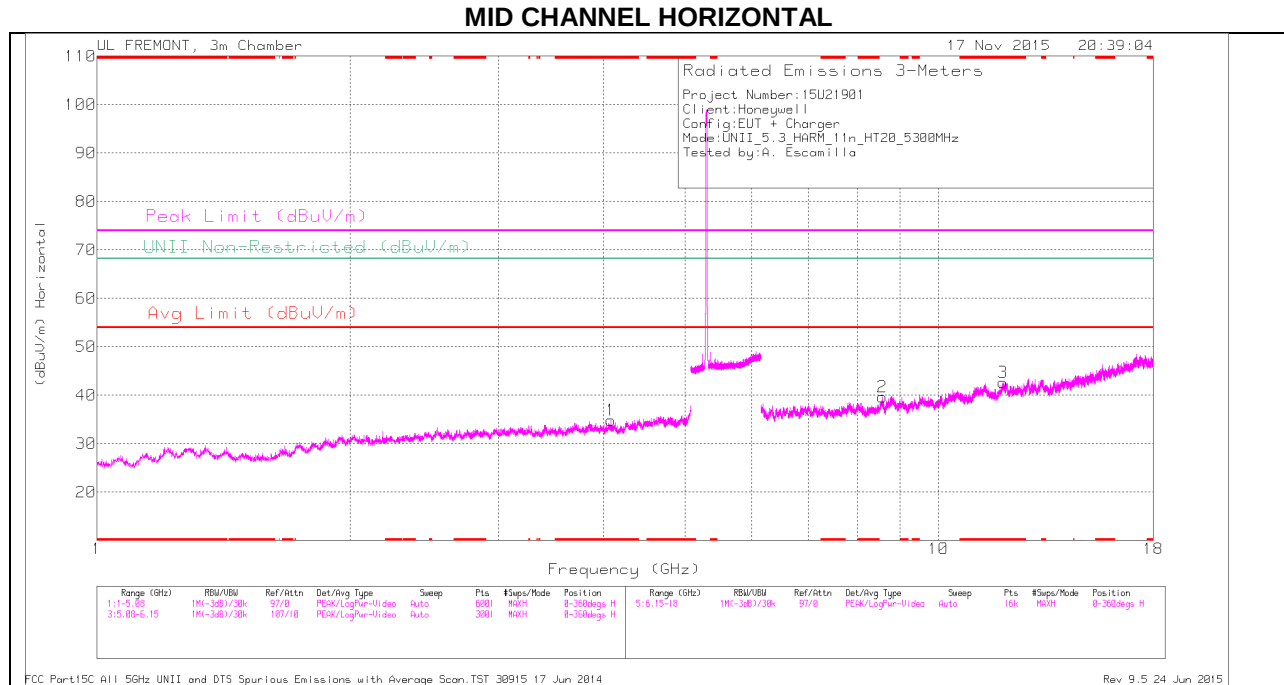
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T345 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.056	57.3	PK2	33.3	-32.9	0	57.7	-	-	74	-16.3	-	-	69	258	H
* 4.056	31.29	MAv1	33.3	-32.9	.21	31.9	54	-22.1	-	-	-	-	69	258	H
* 1.226	44.52	PK2	28.7	-35.8	0	37.42	-	-	74	-36.58	-	-	280	146	V
* 1.225	32.19	MAv1	28.7	-35.8	.21	25.3	54	-28.7	-	-	-	-	280	146	V
* 4.061	56.34	PK2	33.3	-33	0	56.64	-	-	74	-17.36	-	-	125	111	V
* 4.061	31	MAv1	33.3	-33	.21	31.51	54	-22.49	-	-	-	-	125	111	V
* 11.136	36.12	PK2	37.8	-25.5	0	48.42	-	-	74	-25.58	-	-	324	102	V
* 11.136	25.06	MAv1	37.8	-25.5	.21	37.57	54	-16.43	-	-	-	-	324	102	V
6.449	53.2	PK2	35.8	-30.7	0	58.3	-	-	-	-	68.2	-9.9	324	102	V
6.452	30.19	MAv1	35.8	-30.7	.21	35.5	-	-	-	-	-	-	324	102	V
6.454	53.7	PK2	35.8	-30.7	0	58.8	-	-	-	-	68.2	-9.4	13	307	H
6.454	30.12	MAv1	35.8	-30.7	.21	35.43	-	-	-	-	-	-	13	307	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

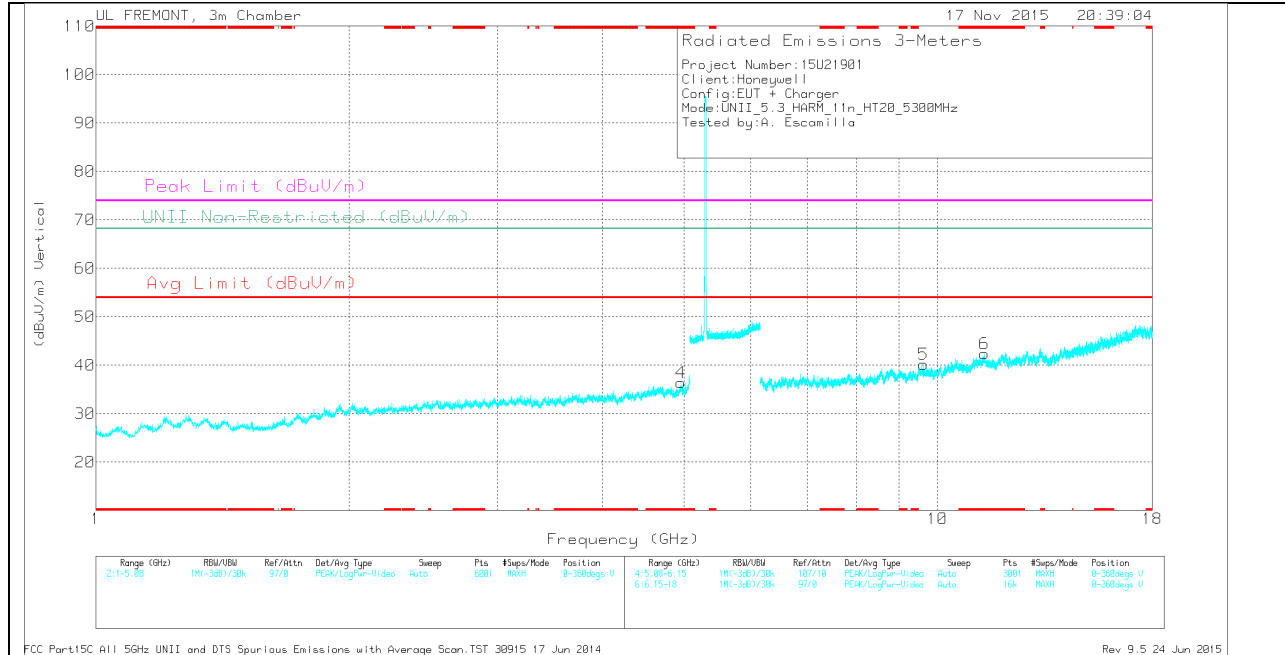
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 11.367	27.27	Avg	38.2	-23.1	0	42.37	54	-11.63	-	-	-	-	0-360	200	V
3	* 11.924	27.06	Avg	39.1	-23.5	0	42.66	54	-11.34	-	-	-	-	0-360	100	H
1	* 4.084	31.51	Avg	33.3	-30	0	34.81	54	-19.19	-	-	-	-	0-360	200	H
4	* 4.959	30.47	Avg	34	-28	0	36.47	54	-17.53	-	-	-	-	0-360	200	V
2	8.574	28.07	Avg	35.8	-24.2	0	39.67	54	-14.33	-	-	-	-	0-360	200	H
5	9.629	27.2	Avg	36.7	-23.7	0	40.2	54	-13.8	-	-	-	-	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

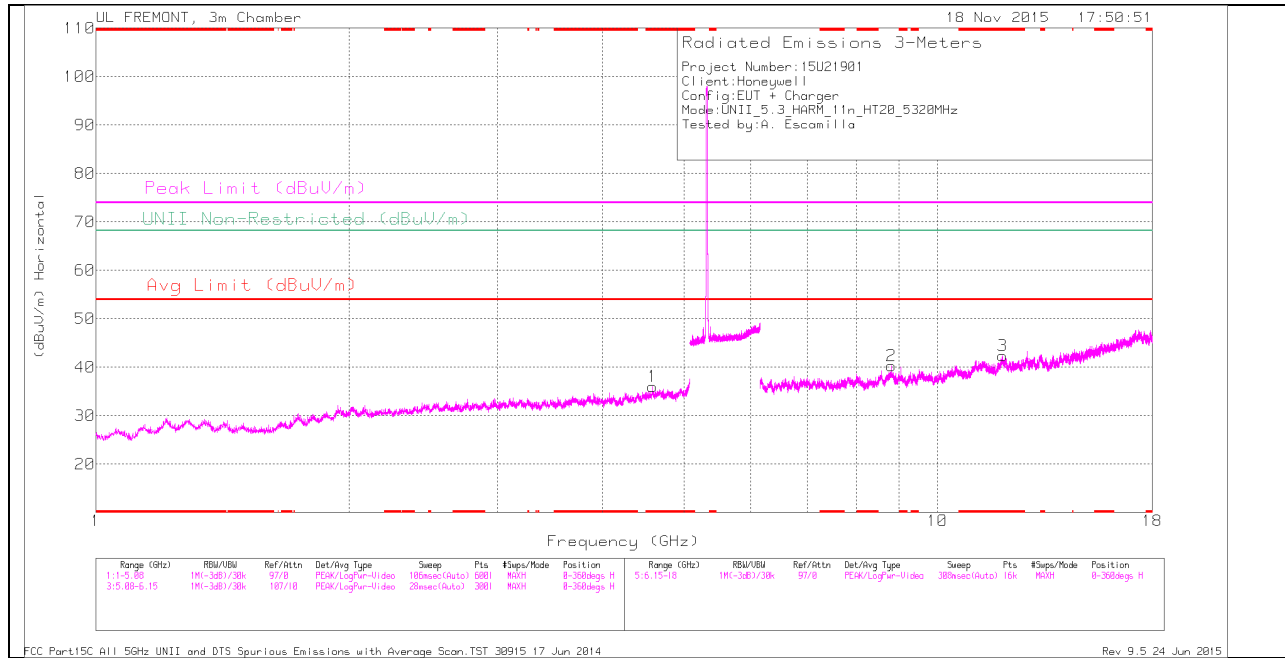
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.082	43.91	PK-U	33.3	-30	0	47.21	-	-	74	-26.79	68.2	-20.99	54	243	H
* 4.082	28.47	ADR	33.3	-30	.22	31.99	54	-22.01	-	-	-	-	54	243	H
* 4.96	40.18	PK-U	34	-28	0	46.18	-	-	74	-27.82	68.2	-22.02	156	180	V
* 4.959	28.34	ADR	34	-28	.22	34.56	54	-19.44	-	-	-	-	156	180	V
* 11.923	35.96	PK-U	39.1	-23.5	0	51.56	-	-	74	-22.44	68.2	-16.64	133	164	H
* 11.923	24.48	ADR	39.1	-23.5	.22	40.3	54	-13.7	-	-	-	-	133	164	H
* 11.369	35.95	PK-U	38.2	-23.1	0	51.05	-	-	74	-22.95	68.2	-17.15	3	186	V
* 11.369	23.86	ADR	38.2	-23.1	.22	39.18	54	-14.82	-	-	-	-	3	186	V
8.572	25.25	ADR	35.8	-24.2	.22	37.07	-	-	-	-	-	-	186	219	H
8.575	36.82	PK-U	35.8	-24.2	0	48.42	-	-	74	-25.58	68.2	-19.78	186	219	H
9.63	35.11	PK-U	36.8	-23.7	0	48.21	-	-	74	-25.79	68.2	-19.99	341	220	V
9.631	23.37	ADR	36.8	-23.7	.22	36.69	-	-	-	-	-	-	341	220	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

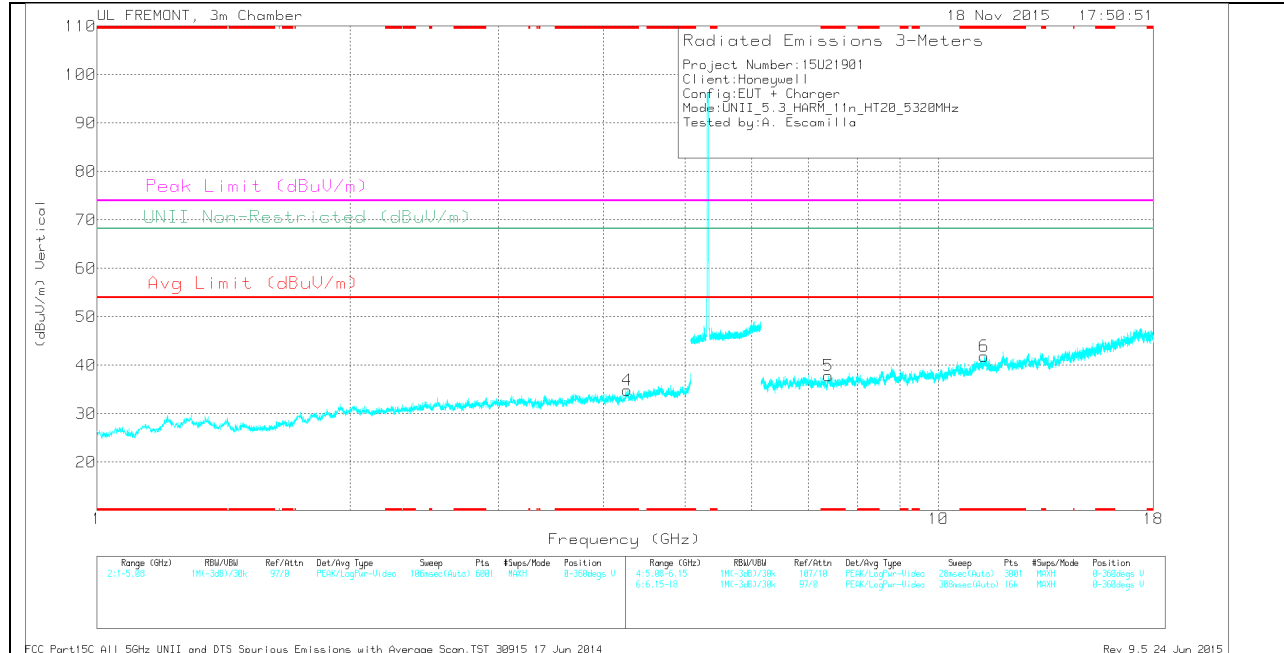
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.585	31.42	Avg	33.8	-29.2	0	36.02	54	-17.98	-	-	-	-	0-360	100	H
4	* 4.269	30.73	Avg	33.4	-29.3	0	34.83	54	-19.17	-	-	-	-	0-360	200	V
3	* 11.948	26.81	Avg	39.1	-23.5	0	42.41	54	-11.59	-	-	-	-	0-360	100	H
5	* 7.401	29.01	Avg	35.6	-26.8	0	37.81	54	-16.19	-	-	-	-	0-360	100	V
6	* 11.33	26.53	Avg	38.1	-22.8	0	41.83	54	-12.17	-	-	-	-	0-360	100	V
2	8.822	28.36	Avg	35.9	-23.9	0	40.36	54	-13.64	-	-	-	-	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.586	39.81	PK-U	33.8	-29.2	0	44.41	-	-	74	-29.59	68.2	-23.79	77	142	H
* 4.586	28.25	ADR	33.8	-29.2	.22	33.07	54	-20.93	-	-	-	-	77	142	H
* 4.27	40	PK-U	33.4	-29.3	0	44.1	-	-	74	-29.9	68.2	-24.1	185	191	V
* 4.267	28.12	ADR	33.4	-29.3	.22	32.44	54	-21.56	-	-	-	-	185	191	V
* 11.95	35.23	PK-U	39.1	-23.5	0	50.83	-	-	74	-23.17	68.2	-17.37	242	191	H
* 11.948	23.47	ADR	39.1	-23.5	.22	39.29	54	-14.71	-	-	-	-	242	191	H
* 7.402	38.83	PK-U	35.6	-26.8	0	47.63	-	-	74	-26.37	68.2	-20.57	193	128	V
* 7.402	26.69	ADR	35.6	-26.8	.22	35.71	54	-18.29	-	-	-	-	193	128	V
* 11.332	34.78	PK-U	38.1	-22.8	0	50.08	-	-	74	-23.92	68.2	-18.12	16	215	V
* 11.332	23.34	ADR	38.1	-22.8	.22	38.86	54	-15.14	-	-	-	-	16	215	V
8.821	35.97	PK-U	35.9	-23.9	0	47.97	-	-	74	-26.03	68.2	-20.23	131	228	H
8.824	24.33	ADR	35.9	-23.9	.22	36.55	-	-	-	-	-	-	131	228	H

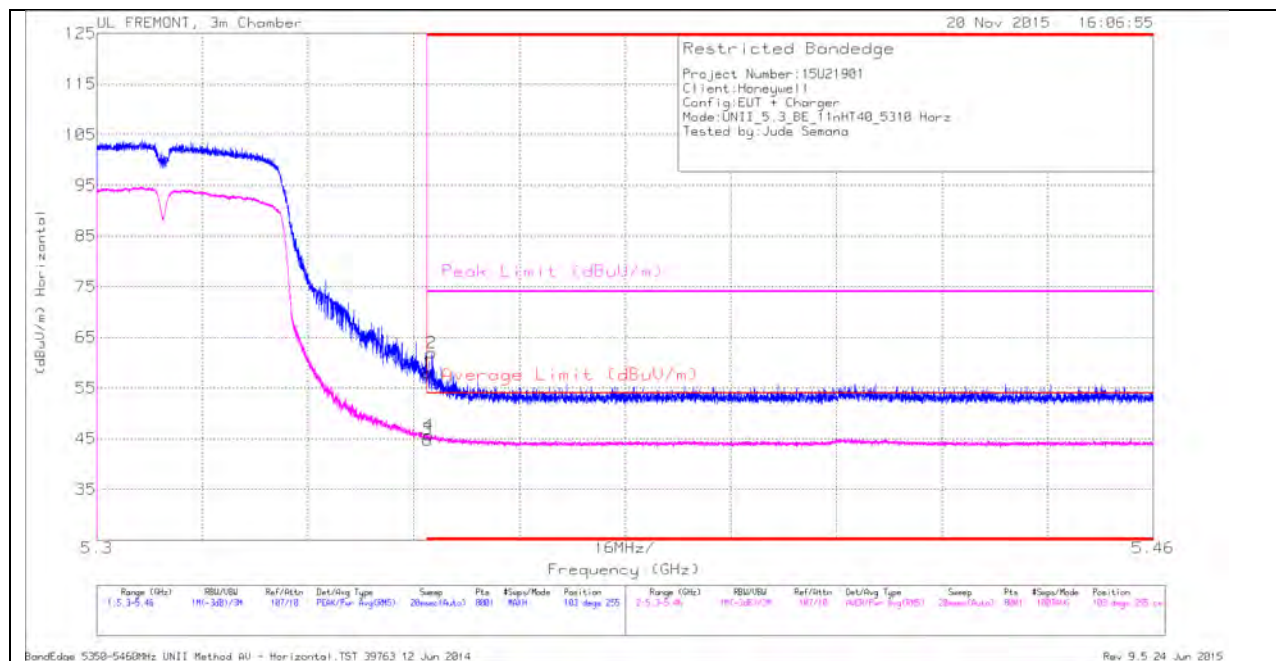
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

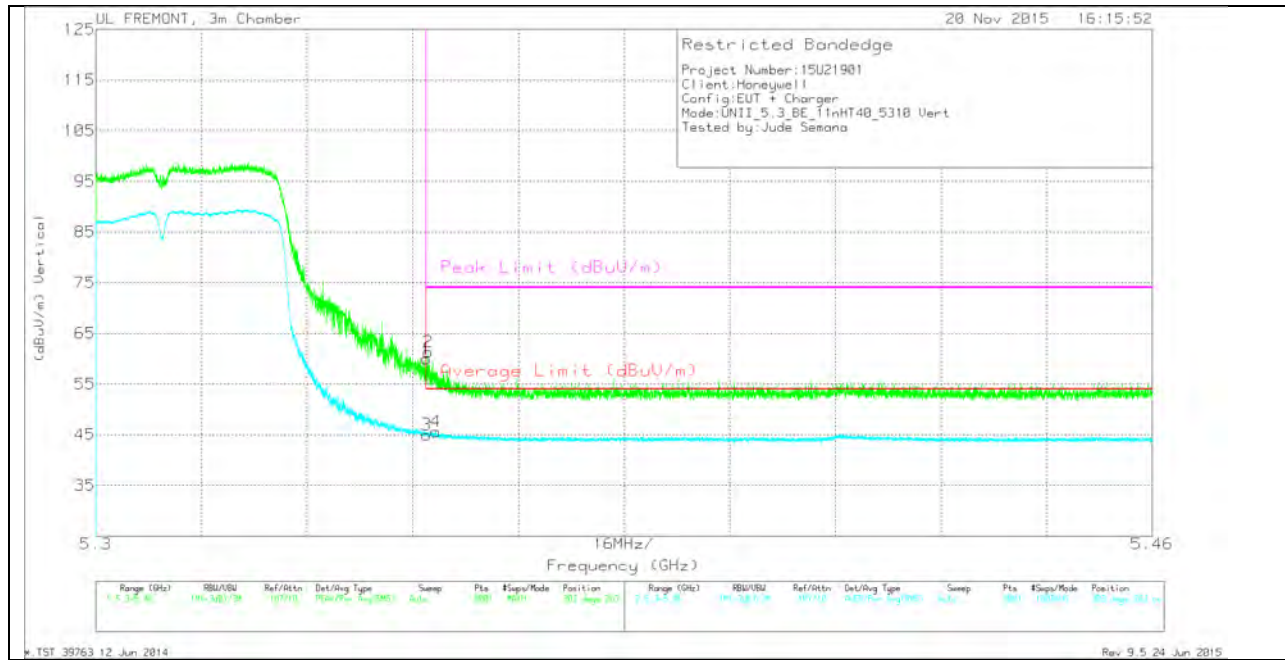
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.35	43.52	Pk	34.5	-20	0	58.02	-	-	74	-15.98	103	255	H
2	* 5.351	47.51	Pk	34.5	-20	0	62.01	-	-	74	-11.99	103	255	H
3	* 5.35	29.78	RMS	34.5	-20	.49	44.77	54	-9.23	-	-	103	255	H
4	* 5.35	30.7	RMS	34.5	-20	.49	45.69	54	-8.31	-	-	103	255	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

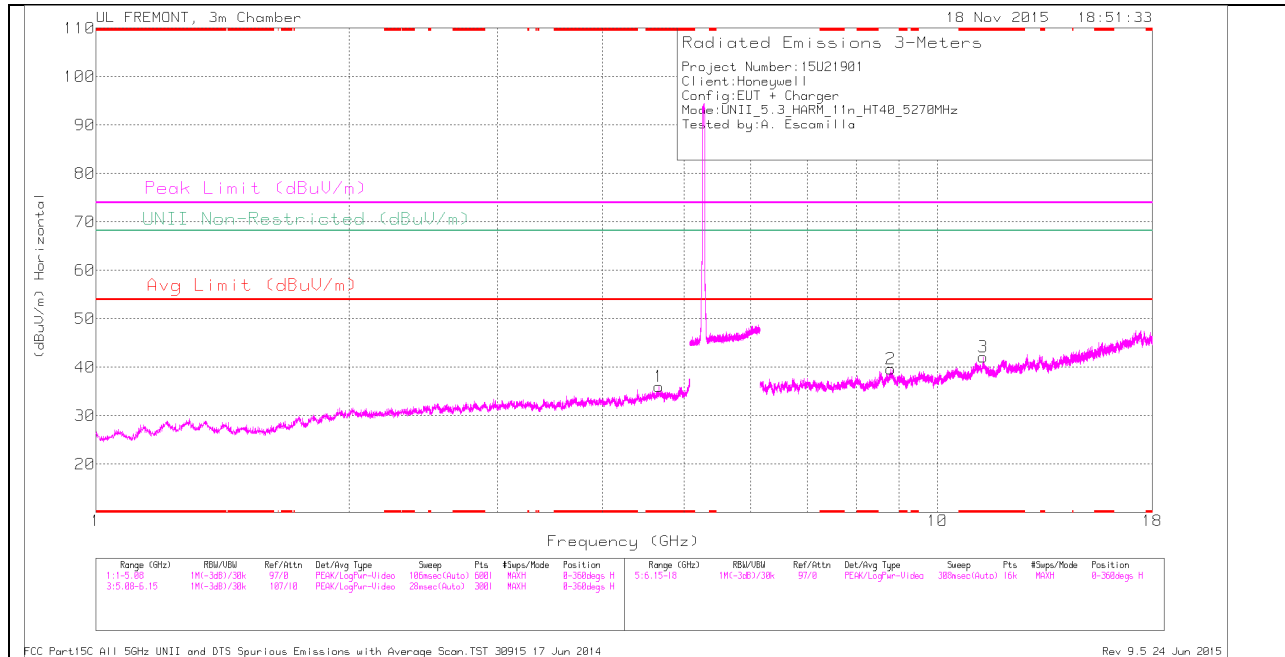
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	45.44	Pk	34.5	-20	0	59.94	-	-	74	-14.06	303	263	V
2	5.35	46.82	Pk	34.5	-20	0	61.32	-	-	74	-12.68	303	263	V
3	5.35	30.02	RMS	34.5	-20	.49	45.01	54	-8.99	-	-	303	263	V
4	5.352	30.57	RMS	34.5	-20	.49	45.56	54	-8.44	-	-	303	263	V

Pk - Peak detector

RMS - RMS detection

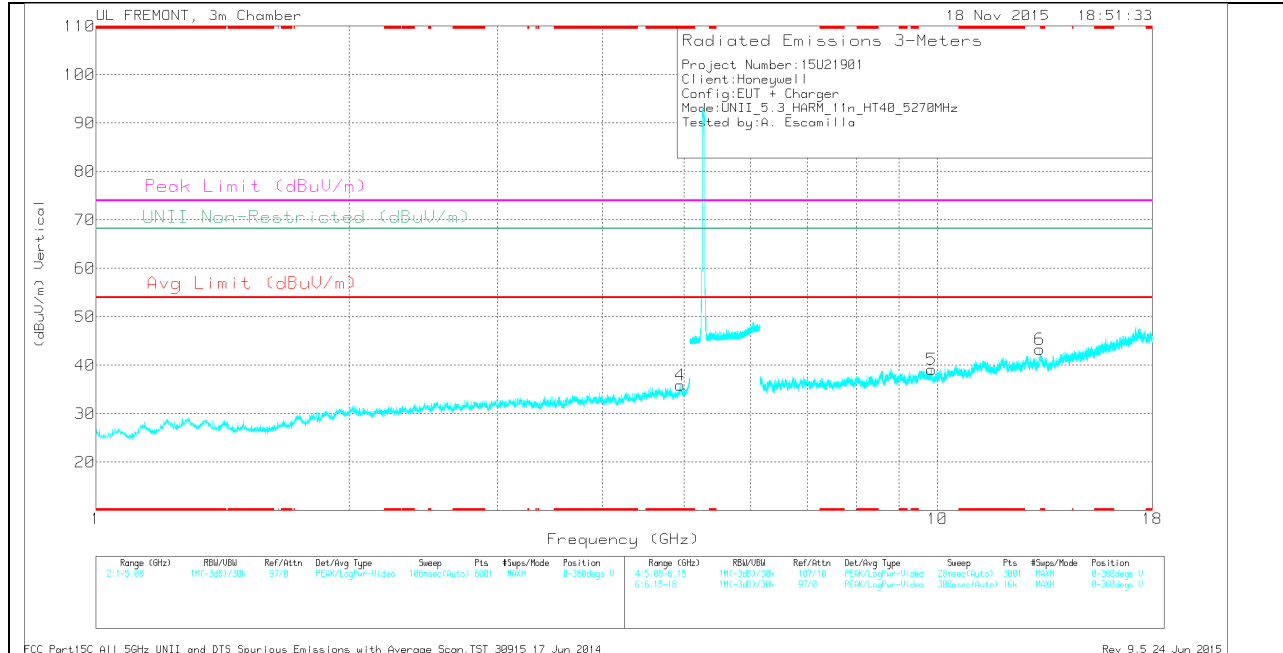
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.664	31.19	Avg	34	-29.2	0	35.99	54	-18.01	-	-	-	-	0-360	100	H
4	* 4.949	30.1	Avg	34	-28.2	0	35.9	54	-18.1	-	-	-	-	0-360	100	V
3	* 11.338	26.92	Avg	38.1	-22.9	0	42.12	54	-11.88	-	-	-	-	0-360	100	H
2	8.798	27.45	Avg	35.9	-23.7	0	39.65	54	-14.35	-	-	-	-	0-360	100	H
5	9.843	25.52	Avg	36.9	-23.3	0	39.12	54	-14.88	-	-	-	-	0-360	200	V
6	13.219	27.36	Avg	39	-23.1	0	43.26	54	-10.74	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

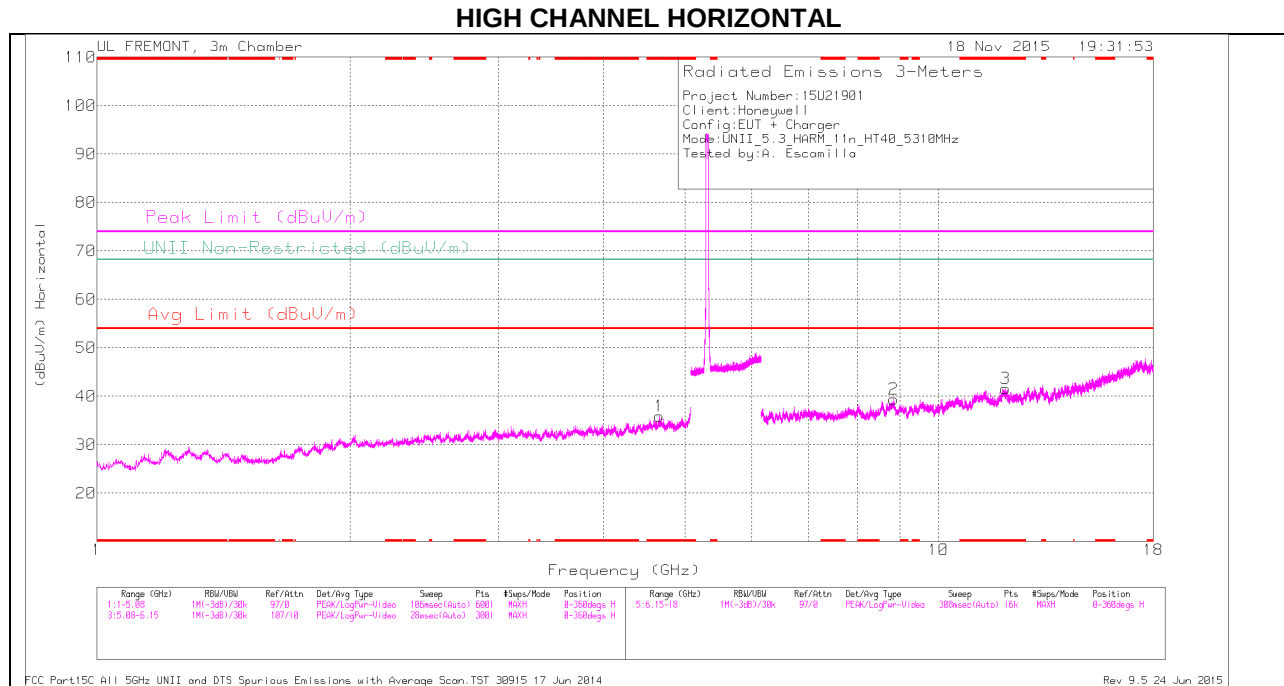
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Filtz/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.665	40.48	PK-U	34	-29.3	0	45.18	-	-	74	-28.82	68.2	-23.02	39	138	H
* 4.665	28.15	ADR	34	-29.2	.49	33.44	54	-20.56	-	-	-	-	39	138	H
* 4.949	40.23	PK-U	34	-28.2	0	46.03	-	-	74	-27.97	68.2	-22.17	137	231	V
* 4.947	28.01	ADR	34	-28.2	.49	34.3	54	-19.7	-	-	-	-	137	231	V
* 11.339	34.99	PK-U	38.1	-22.9	0	50.19	-	-	74	-23.81	68.2	-18.01	280	153	H
* 11.339	23.52	ADR	38.1	-22.9	.49	39.21	54	-14.79	-	-	-	-	280	153	H
8.799	35.42	PK-U	35.9	-23.7	0	47.62	-	-	74	-26.38	68.2	-20.58	103	176	H
8.799	23.96	ADR	35.9	-23.7	.49	36.65	-	-	-	-	-	-	103	176	H
9.843	34.87	PK-U	36.9	-23.3	0	48.47	-	-	74	-25.53	68.2	-19.73	322	197	V
9.844	22.85	ADR	36.9	-23.3	.49	36.94	-	-	-	-	-	-	322	197	V
13.218	36.28	PK-U	39	-23.1	0	52.18	-	-	74	-21.82	68.2	-16.02	360	159	V
13.22	24.25	ADR	39	-23.1	.49	40.64	-	-	-	-	-	-	360	159	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

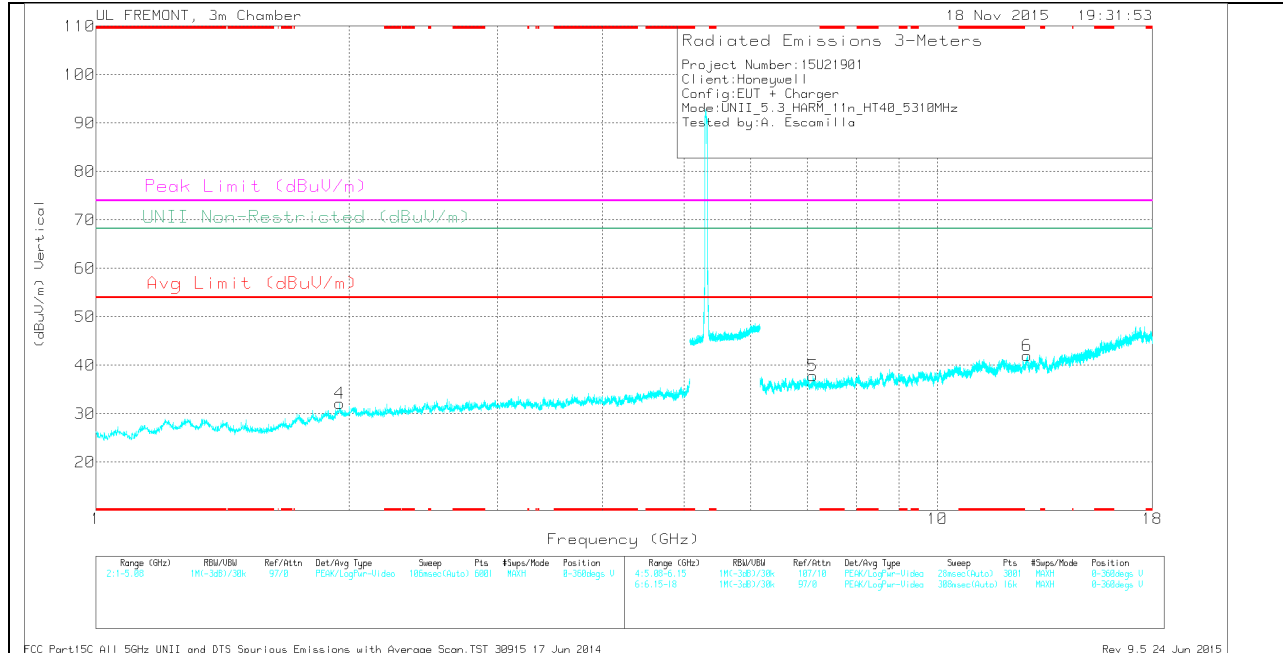
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.655	31.14	Avg	34	-29.2	0	35.94	54	-18.06	-	-	-	-	0-360	100	H
3	* 12.02	26.16	Avg	39.1	-23.6	0	41.66	54	-12.34	-	-	-	-	0-360	100	H
4	1.949	32.34	Avg	31.3	-31.5	0	32.14	54	-21.86	-	-	-	-	0-360	100	V
5	7.114	29.79	Avg	35.6	-27.6	0	37.79	54	-16.21	-	-	-	-	0-360	200	V
2	8.844	27.84	Avg	35.9	-24.3	0	39.44	54	-14.56	-	-	-	-	0-360	200	H
6	12.785	25.59	Avg	39.1	-22.7	0	41.99	54	-12.01	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.654	40.08	PK-U	34	-29.2	0	44.88	-	-	74	-29.12	68.2	-23.32	335	154	H
* 4.657	27.66	ADR	34	-29.2	.49	32.95	54	-21.05	-	-	-	-	335	154	H
* 12.02	34.22	PK-U	39.1	-23.6	0	49.72	-	-	74	-24.28	68.2	-18.48	160	290	H
* 12.022	22.28	ADR	39.1	-23.6	.49	38.27	54	-15.73	-	-	-	-	160	290	H
1.947	38.64	PK-U	31.3	-31.5	0	38.44	-	-	74	-35.56	68.2	-29.76	348	135	V
1.947	27.39	ADR	31.3	-31.5	.49	27.68	-	-	-	-	-	-	348	135	V
7.116	38.23	PK-U	35.6	-27.6	0	46.23	-	-	74	-27.77	68.2	-21.97	186	246	V
7.116	26.45	ADR	35.6	-27.6	.49	34.94	-	-	-	-	-	-	186	246	V
8.845	36.27	PK-U	35.9	-24.3	0	47.87	-	-	74	-26.13	68.2	-20.33	183	178	H
8.846	24.47	ADR	35.9	-24.3	.49	36.56	-	-	-	-	-	-	183	178	H
12.787	35.42	PK-U	39.1	-22.7	0	51.82	-	-	74	-22.18	68.2	-16.38	37	167	V
12.787	23.51	ADR	39.1	-22.7	.49	40.4	-	-	-	-	-	-	37	167	V

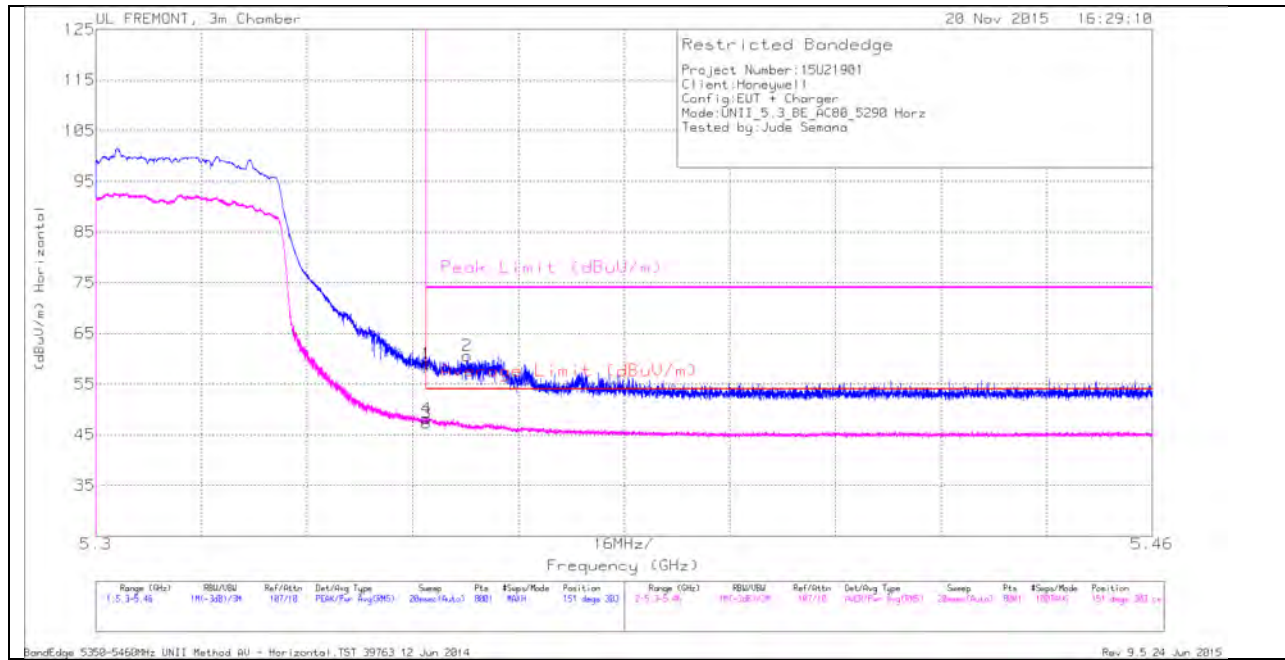
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.2.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.3 GHz BAND AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



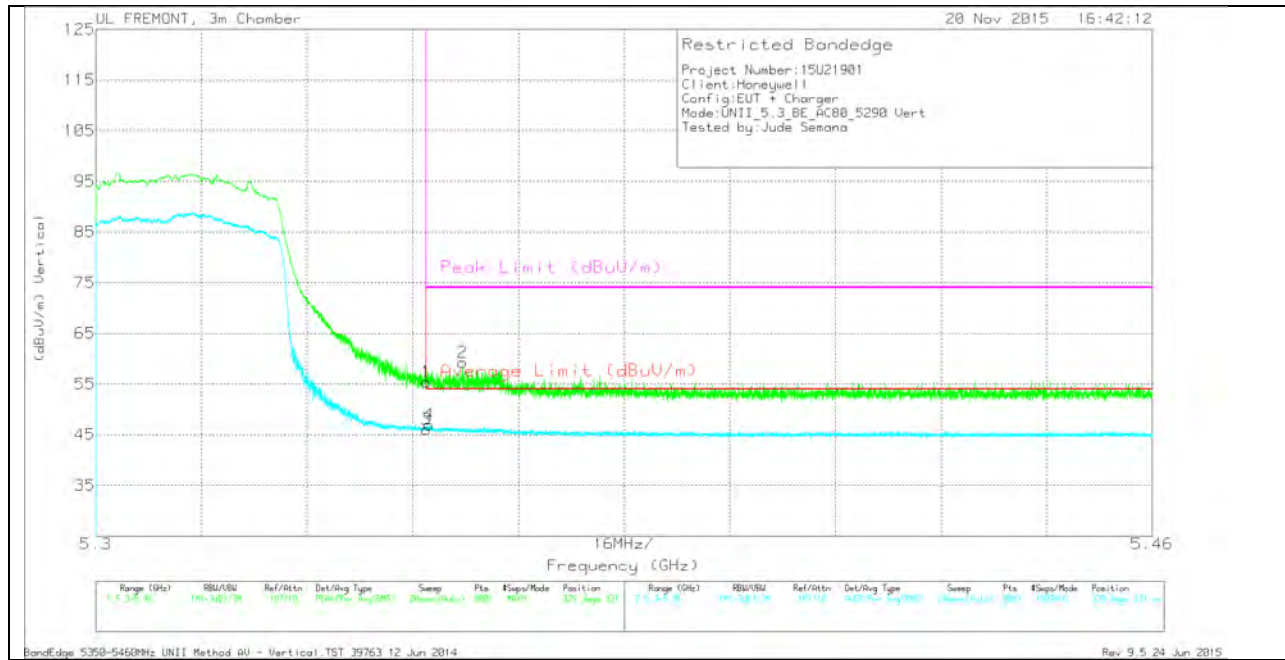
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	44.45	Pk	34.5	-20	0	58.95	-	-	74	-15.05	151	303	H
3	5.35	31.38	RMS	34.5	-20	1.47	47.35	54	-6.65	-	-	151	303	H
4	5.35	32.26	RMS	34.5	-20	1.47	48.23	54	-5.77	-	-	151	303	H
2	5.356	46.09	Pk	34.5	-20	0	60.59	-	-	74	-13.41	151	303	H

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



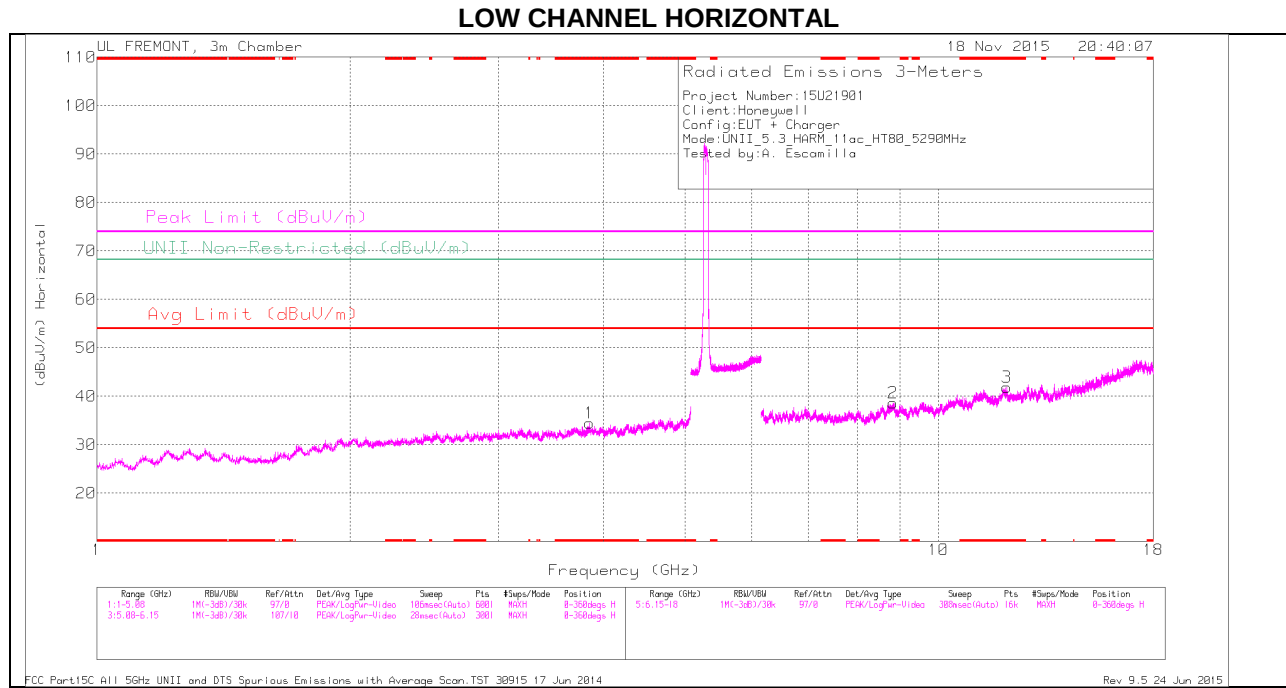
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.35	40.86	Pk	34.5	-20	0	55.36	-	-	74	-18.64	329	331	V
3	5.35	30.13	RMS	34.5	-20	1.47	46.1	54	-7.9	-	-	329	331	V
4	5.35	30.94	RMS	34.5	-20	1.47	46.91	54	-7.09	-	-	329	331	V
2	5.356	44.72	Pk	34.5	-20	0	59.22	-	-	74	-14.78	329	331	V

Pk - Peak detector

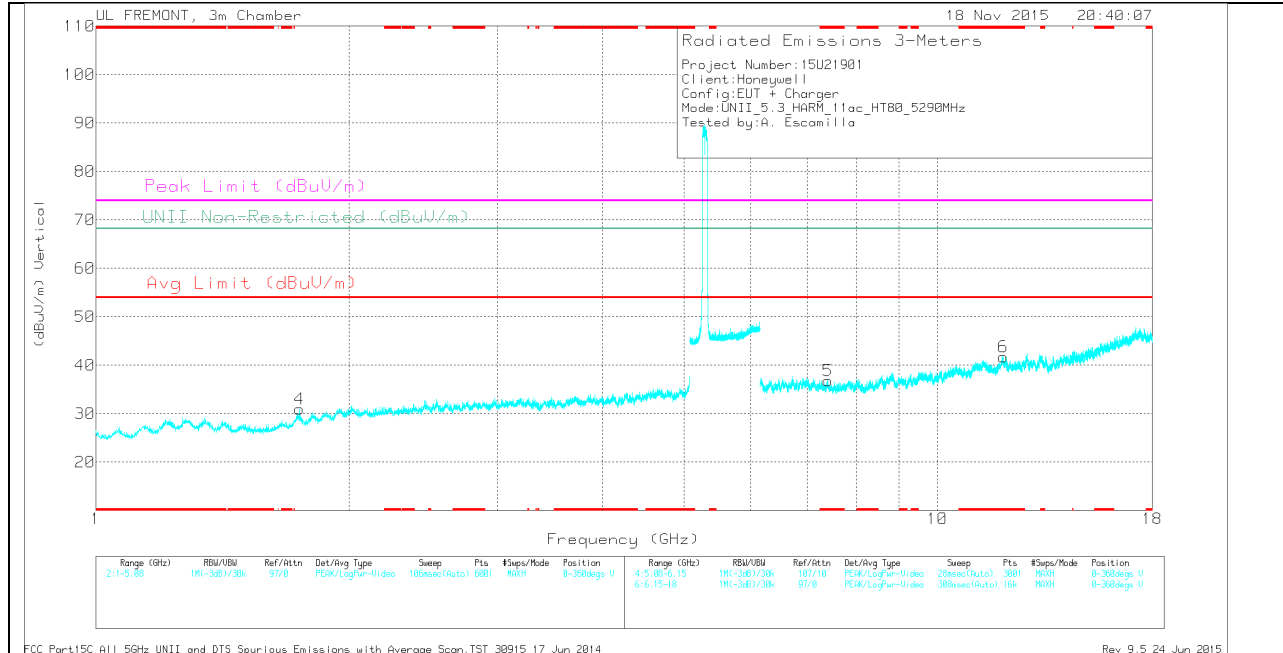
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.847	31.12	Avg	33.1	-29.8	0	34.42	54	-19.58	-	-	-	-	0-360	200	H
3	* 12.058	26.33	Avg	39	-23.5	0	41.83	54	-12.17	-	-	-	-	0-360	200	H
5	* 7.405	28.06	Avg	35.6	-26.8	0	36.86	54	-17.14	-	-	-	-	0-360	200	V
6	* 11.973	26.09	Avg	39.1	-23.4	0	41.79	54	-12.21	-	-	-	-	0-360	100	V
4	1.744	32.91	Avg	29.5	-31.4	0	31.01	54	-22.99	-	-	-	-	0-360	100	V
2	8.832	26.71	Avg	35.9	-24	0	38.61	54	-15.39	-	-	-	-	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.846	40.3	PK-U	33.1	-29.9	0	43.5	-	-	74	-30.5	68.2	-24.7	32	108	H
* 3.847	28.31	ADR	33.1	-29.8	1.47	33.08	54	-20.92	-	-	-	-	32	108	H
* 12.06	35.84	PK-U	39	-23.5	0	51.34	-	-	74	-22.66	68.2	-16.86	196	248	H
* 12.06	23.32	ADR	39	-23.5	1.47	40.29	54	-13.71	-	-	-	-	196	248	H
* 7.404	38.29	PK-U	35.6	-26.8	0	47.09	-	-	74	-26.91	68.2	-21.11	177	200	V
* 7.406	26.13	ADR	35.6	-26.9	1.47	36.3	54	-17.7	-	-	-	-	177	200	V
* 11.972	35.36	PK-U	39.1	-23.4	0	51.06	-	-	74	-22.94	68.2	-17.14	358	147	V
* 11.974	23.26	ADR	39.1	-23.4	1.47	40.43	54	-13.57	-	-	-	-	358	147	V
1.743	41.1	PK-U	29.5	-31.4	0	39.2	-	-	74	-34.8	68.2	-29	75	216	V
1.743	29.29	ADR	29.5	-31.4	1.47	28.86	-	-	-	-	-	-	75	216	V
8.833	35.64	PK-U	35.9	-24	0	47.54	-	-	74	-26.46	68.2	-20.66	160	172	H
8.834	23.72	ADR	35.9	-24.1	1.47	36.99	-	-	-	-	-	-	160	172	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

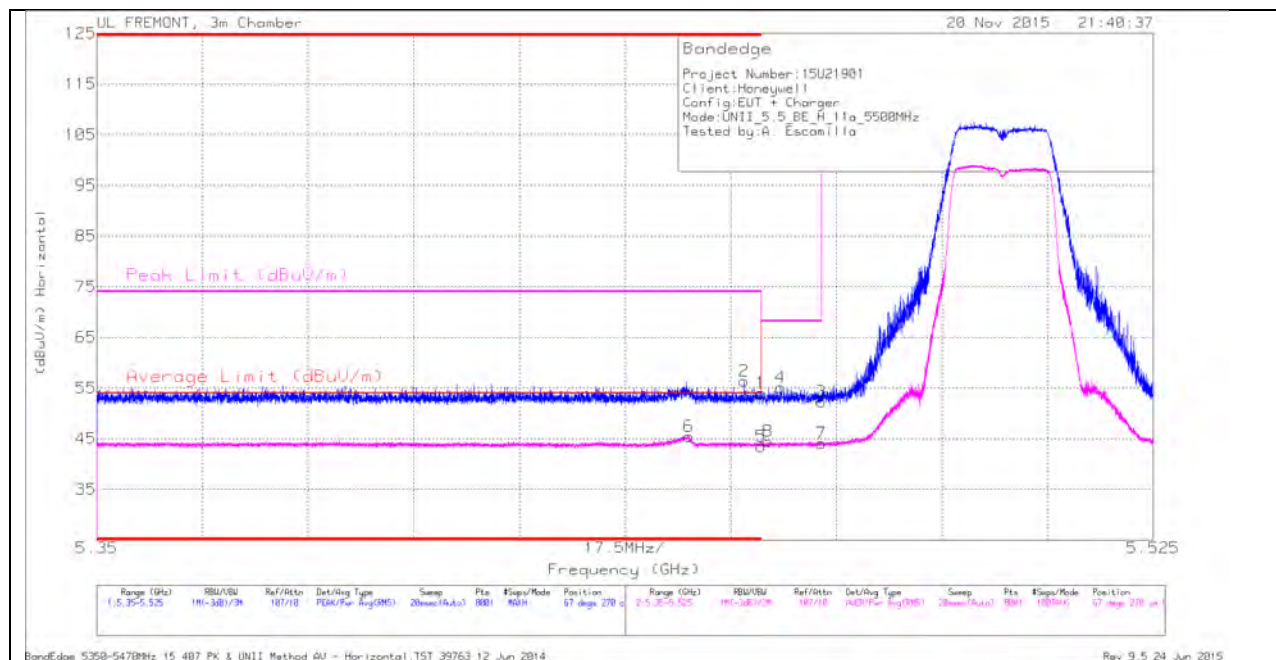
ADR - U-NII AD primary method, RMS average

9.3. 5.5-5.6 GHz

9.3.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.5 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

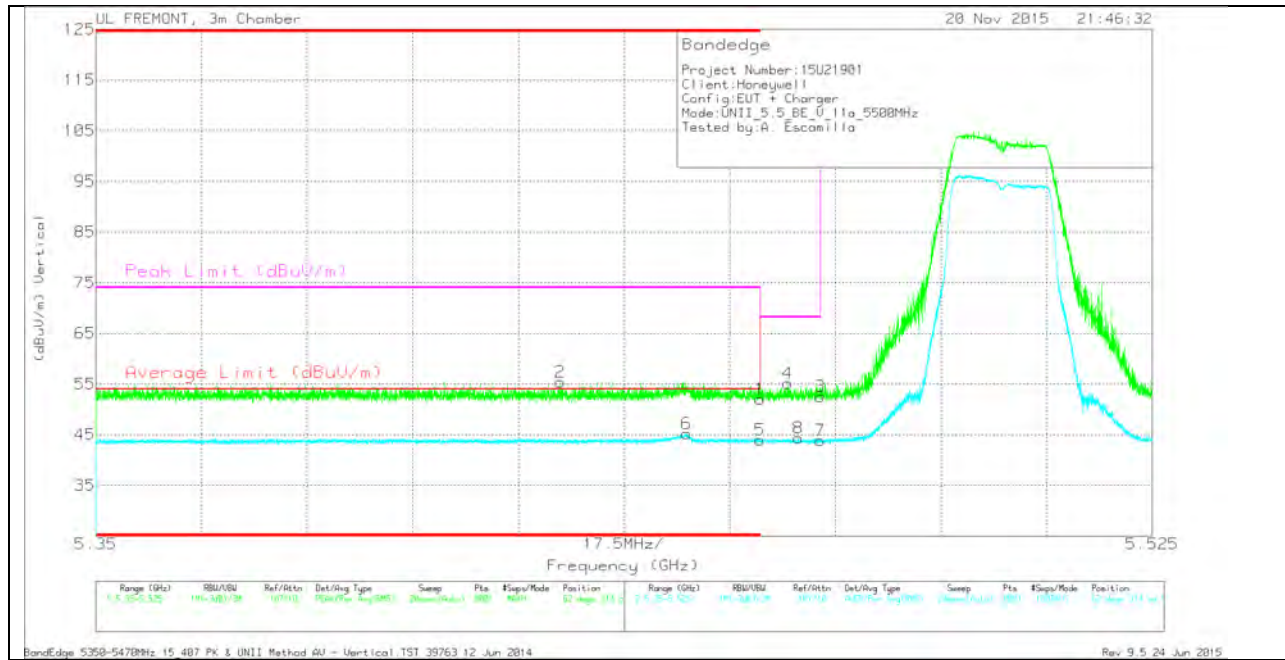
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.448	30.58	RMS	34.6	-19.9	.21	45.49	54	-8.51	-	-	67	270	H
2	* 5.457	41.64	Pk	34.6	-19.9	0	56.34	-	-	74	-17.66	67	270	H
1	* 5.46	39.36	Pk	34.6	-19.9	0	54.06	-	-	74	-19.94	67	270	H
5	* 5.46	28.56	RMS	34.6	-19.9	.21	43.47	54	-10.53	-	-	67	270	H
8	5.461	29.54	RMS	34.6	-19.9	.21	44.45	-	-	-	-	67	270	H
4	5.463	40.45	Pk	34.6	-19.9	0	55.15	-	-	68.2	-13.05	67	270	H
3	5.47	37.59	Pk	34.6	-19.9	0	52.29	-	-	68.2	-15.91	67	270	H
7	5.47	29.14	RMS	34.6	-19.9	.21	44.05	-	-	-	-	67	270	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cb/Filter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.427	40.67	Pk	34.6	-19.9	0	55.37	-	-	74	-18.63	62	314	V
6	* 5.448	30.27	RMS	34.6	-19.9	.21	45.18	54	-8.82	-	-	62	314	V
1	* 5.46	37.36	Pk	34.6	-19.9	0	52.06	-	-	74	-21.94	62	314	V
5	* 5.46	29.08	RMS	34.6	-19.9	.21	43.99	54	-10.01	-	-	62	314	V
4	5.465	40.41	Pk	34.6	-19.9	0	55.11	-	-	68.2	-13.09	62	314	V
8	5.466	29.44	RMS	34.6	-19.9	.21	44.35	-	-	-	-	62	314	V
3	5.47	37.79	Pk	34.6	-19.9	0	52.49	-	-	68.2	-15.71	62	314	V
7	5.47	28.98	RMS	34.6	-19.9	.21	43.89	-	-	-	-	62	314	V

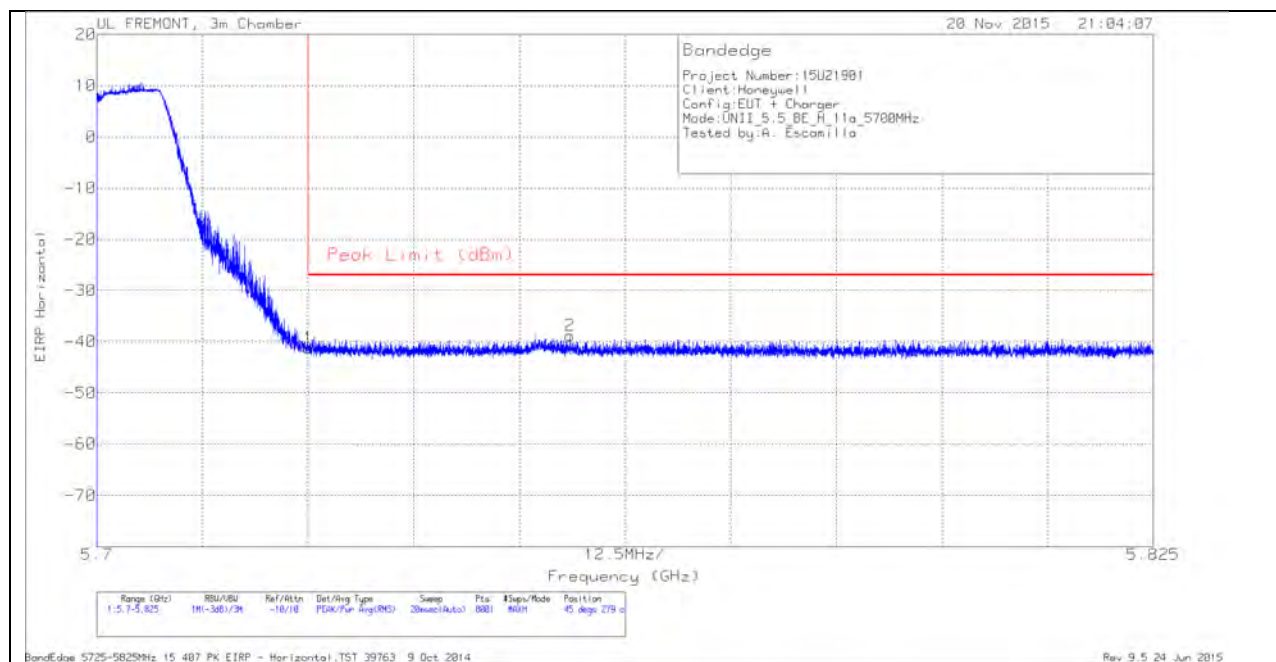
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT

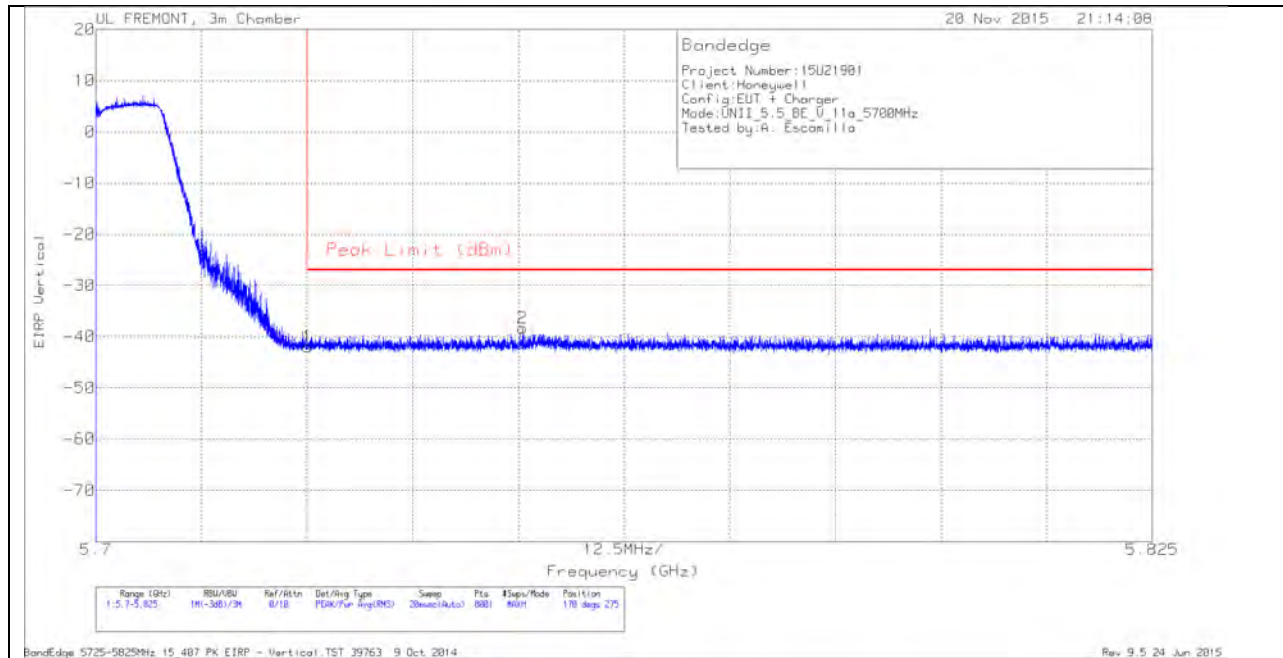


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.1	Pk	34.8	-19.8	11.8	-41.3	-27	-14.3	45	279	H
2	5.756	-65.59	Pk	34.8	-19.8	11.8	-38.79	-27	-11.79	45	279	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT

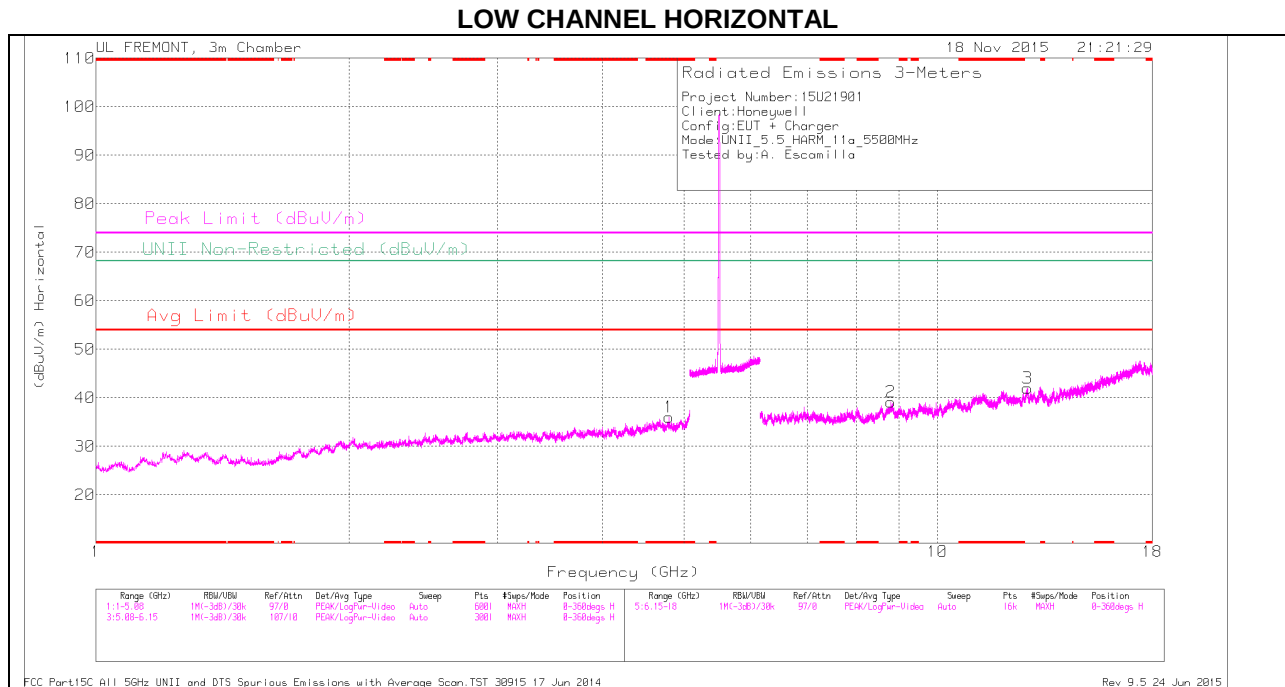


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.83	Pk	34.8	-19.8	11.8	-42.03	-27	-15.03	170	275	V
2	5.751	-65.04	Pk	34.8	-19.9	11.8	-38.34	-27	-11.34	170	275	V

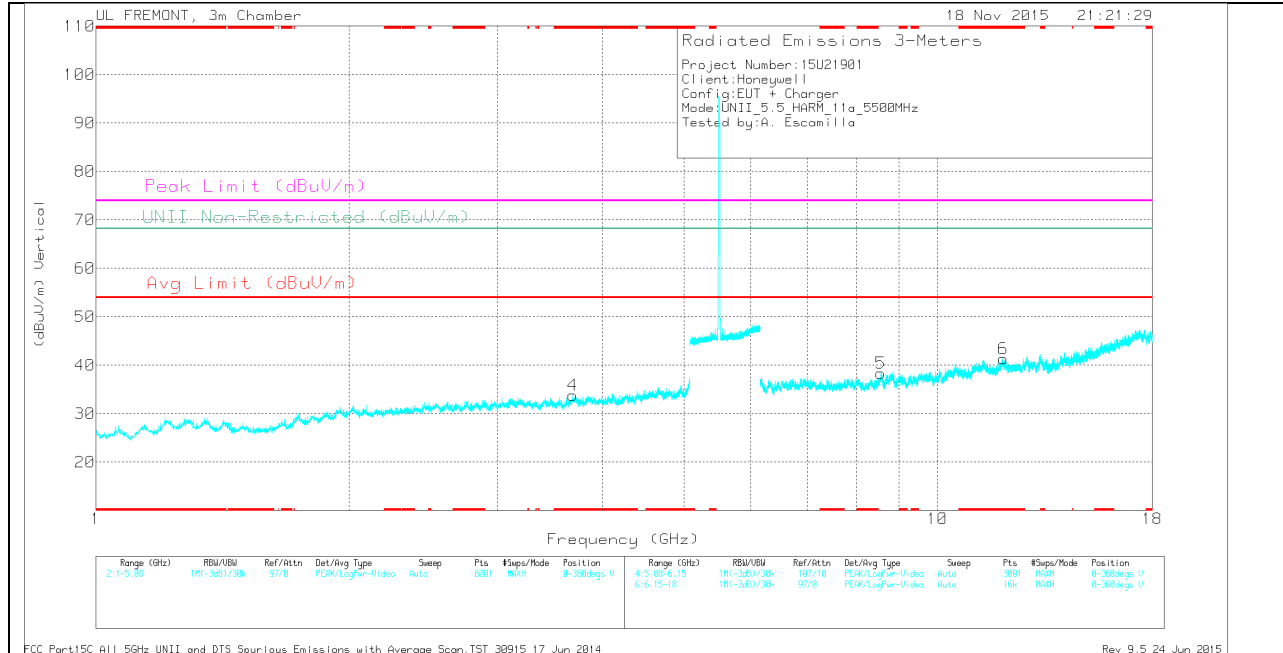
Pk - Peak detector

HARMONICS AND SPURIOUS EMISSIONS



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.794	31.27	Avg	34	-29.2	0	36.07	54	-17.93	-	-	-	-	0-360	200	H
4	* 3.689	30.47	Avg	33	-29.7	0	33.77	54	-20.23	-	-	-	-	0-360	200	V
6	* 11.978	25.62	Avg	39.1	-23.4	0	41.32	54	-12.68	-	-	-	-	0-360	200	V
5	8.557	26.91	Avg	35.8	-24.3	0	38.41	54	-15.59	-	-	-	-	0-360	200	V
2	8.805	27.03	Avg	35.9	-23.8	0	39.13	54	-14.87	-	-	-	-	0-360	200	H
3	12.792	25.65	Avg	39.1	-22.7	0	42.05	54	-11.95	-	-	-	-	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

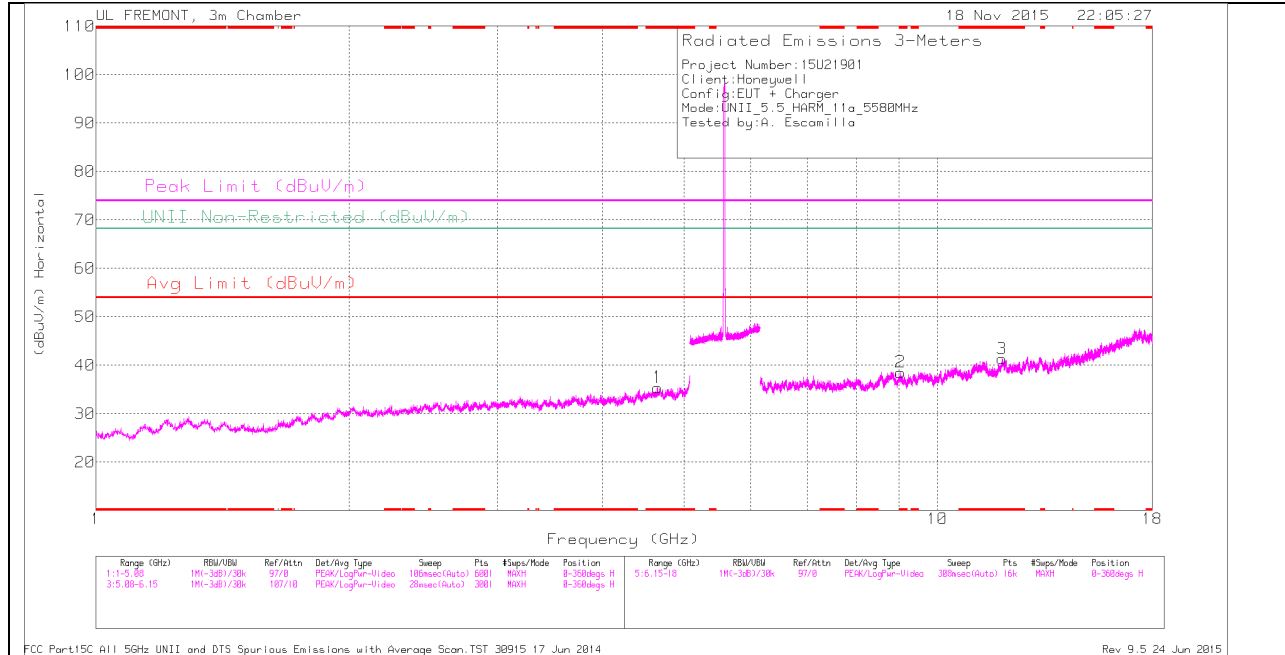
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.793	40.33	PK-U	34	-29.2	0	45.13	-	-	74	-28.87	68.2	-23.07	263	180	H
* 4.793	28.14	ADR	34	-29.2	.21	33.15	54	-20.85	-	-	-	-	263	180	H
* 3.689	39.74	PK-U	33	-29.7	0	43.04	-	-	74	-30.96	68.2	-25.16	188	200	V
* 3.69	28.18	ADR	33	-29.7	.21	31.69	54	-22.31	-	-	-	-	188	200	V
* 11.977	34.64	PK-U	39.1	-23.4	0	50.34	-	-	74	-23.66	68.2	-17.86	66	221	V
* 11.978	22.68	ADR	39.1	-23.5	.21	38.49	54	-15.51	-	-	-	-	66	221	V
8.556	35.89	PK-U	35.8	-24.3	0	47.39	-	-	74	-26.61	68.2	-20.81	95	242	V
8.559	24.3	ADR	35.8	-24.3	.21	36.01	-	-	-	-	-	-	95	242	V
8.806	35.28	PK-U	35.9	-23.8	0	47.38	-	-	74	-26.62	68.2	-20.82	147	240	H
8.806	23.89	ADR	35.9	-23.8	.21	36.2	-	-	-	-	-	-	147	240	H
12.79	34.8	PK-U	39.1	-22.7	0	51.2	-	-	74	-22.8	68.2	-17	178	190	H
12.793	23.31	ADR	39.1	-22.8	.21	39.82	-	-	-	-	-	-	178	190	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

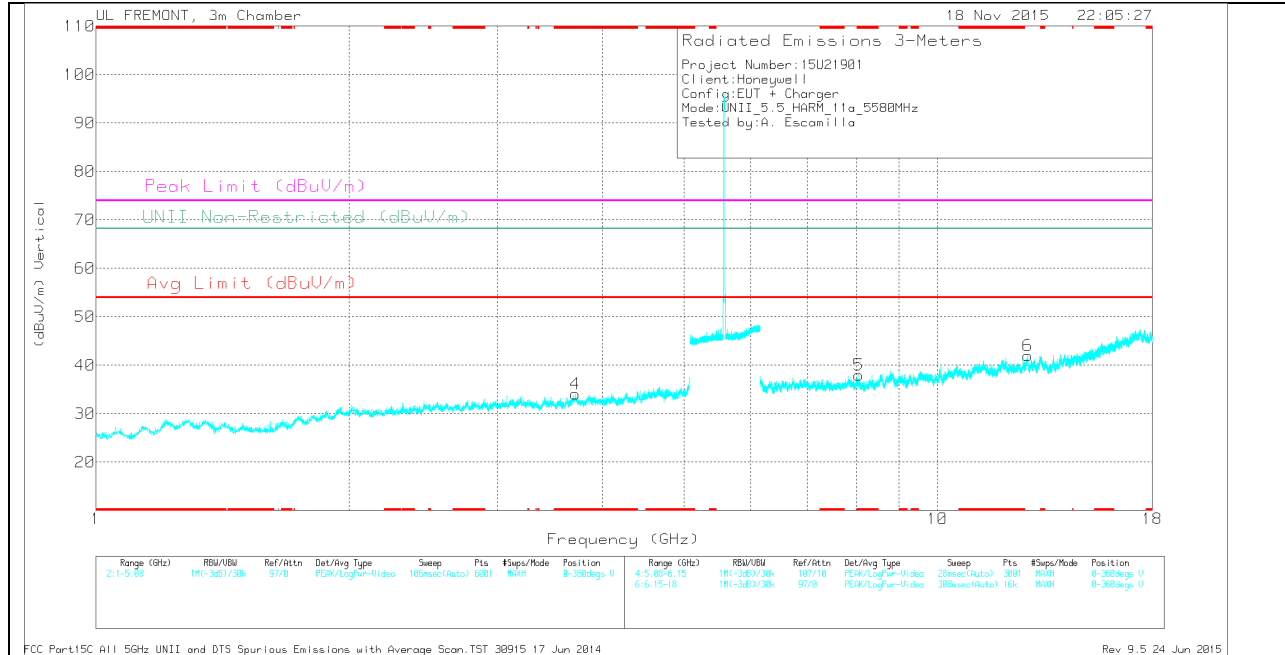
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.65	30.74	Avg	34	-29.3	0	35.44	54	-18.56	-	-	-	-	0-360	100	H
4	* 3.713	30.73	Avg	33	-29.6	0	34.13	54	-19.87	-	-	-	-	0-360	200	V
2	* 9.038	25.96	Avg	36.1	-23.5	0	38.56	54	-15.44	-	-	-	-	0-360	100	H
3	* 11.932	25.76	Avg	39.1	-23.5	0	41.36	54	-12.64	-	-	-	-	0-360	100	H
5	* 8.058	27.86	Avg	35.7	-25.6	0	37.96	54	-16.04	-	-	-	-	0-360	200	V
6	12.797	25.68	Avg	39.1	-22.8	0	41.98	54	-12.02	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

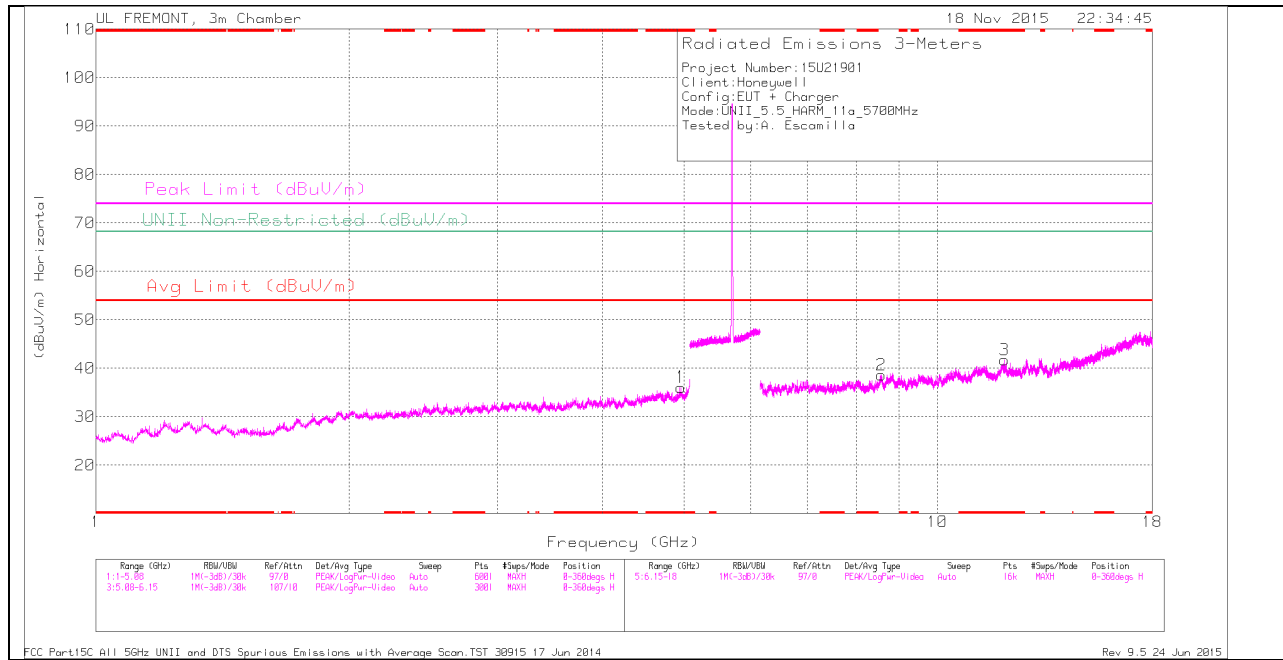
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.651	39.72	PK-U	34	-29.3	0	44.42	-	-	74	-29.58	68.2	-23.78	13	224	H
* 4.652	27.97	ADR	34	-29.2	.21	32.98	54	-21.02	-	-	-	-	13	224	H
* 3.713	40.22	PK-U	33	-29.6	0	43.62	-	-	74	-30.38	68.2	-24.58	90	200	V
* 3.712	28.12	ADR	33	-29.6	.21	31.73	54	-22.27	-	-	-	-	90	200	V
* 9.037	35.23	PK-U	36.1	-23.5	0	47.83	-	-	74	-26.17	68.2	-20.37	278	173	H
* 9.038	23.23	ADR	36.1	-23.5	.21	36.04	54	-17.96	-	-	-	-	278	173	H
* 11.932	34.99	PK-U	39.1	-23.5	0	50.59	-	-	74	-23.41	68.2	-17.61	319	229	H
* 11.934	23.29	ADR	39.1	-23.5	.21	39.1	54	-14.9	-	-	-	-	319	229	H
* 8.059	36.24	PK-U	35.7	-25.5	0	46.44	-	-	74	-27.56	68.2	-21.76	207	154	V
* 8.059	24.39	ADR	35.7	-25.5	.21	34.8	54	-19.2	-	-	-	-	207	154	V
12.796	23.4	ADR	39.1	-22.8	.21	39.91	-	-	-	-	-	-	176	240	V
12.798	35.14	PK-U	39.1	-22.8	0	51.44	-	-	74	-22.56	68.2	-16.76	176	240	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

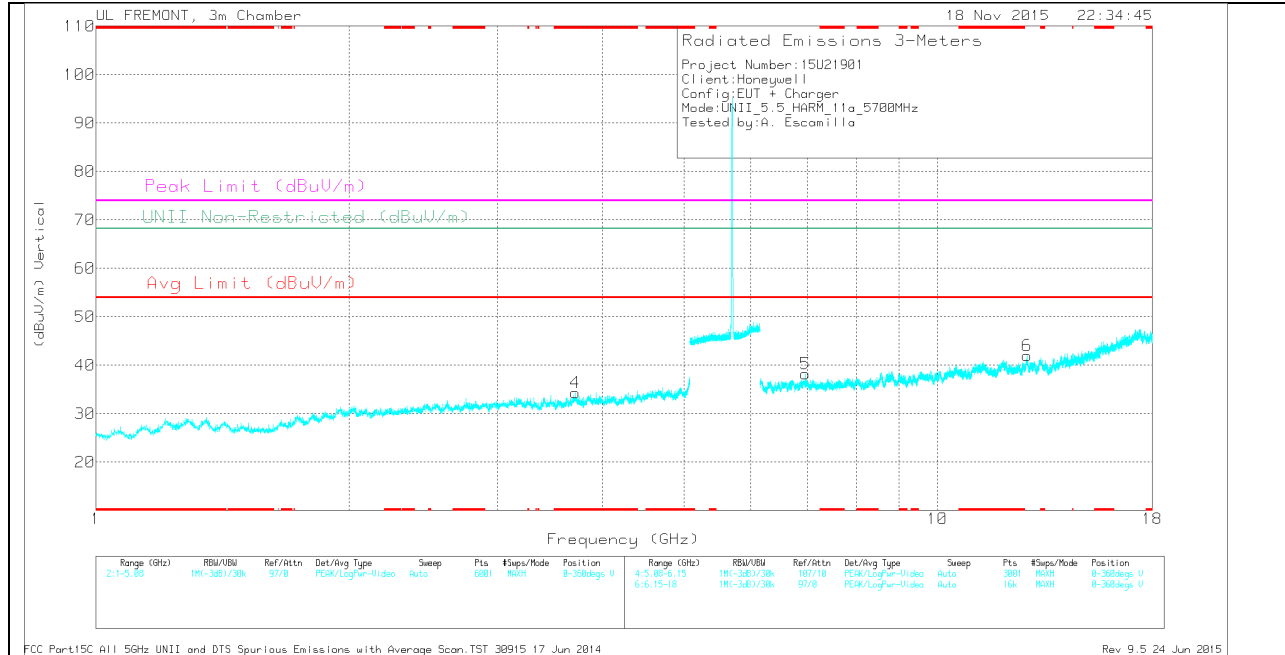
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.957	30.09	Avg	34	-28	0	36.09	54	-17.91	-	-	-	-	0-360	100	H
4	* 3.71	30.81	Avg	33	-29.5	0	34.31	54	-19.69	-	-	-	-	0-360	100	V
3	* 12.019	26.28	Avg	39.1	-23.6	0	41.78	54	-12.22	-	-	-	-	0-360	100	H
5	6.967	29.56	Avg	35.6	-26.9	0	38.26	54	-15.74	-	-	-	-	0-360	200	V
2	8.57	27.07	Avg	35.8	-24.2	0	38.67	54	-15.33	-	-	-	-	0-360	200	H
6	12.777	25.56	Avg	39.1	-22.7	0	41.96	54	-12.04	-	-	-	-	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.957	39.75	PK-U	34	-28	0	45.75	-	-	74	-28.25	68.2	-22.45	73	217	H
* 4.957	28.03	ADR	34	-28	.21	34.24	54	-19.76	-	-	-	-	73	217	H
* 3.712	40.35	PK-U	33	-29.6	0	43.75	-	-	74	-30.25	68.2	-24.45	182	172	V
* 3.712	28.19	ADR	33	-29.6	.21	31.8	54	-22.2	-	-	-	-	182	172	V
* 12.02	34.09	PK-U	39.1	-23.6	0	49.59	-	-	74	-24.41	68.2	-18.61	187	211	H
* 12.021	22.24	ADR	39.1	-23.6	.21	37.95	54	-16.05	-	-	-	-	187	211	H
6.966	37.8	PK-U	35.6	-26.8	0	46.6	-	-	74	-27.4	68.2	-21.6	252	200	V
6.966	26.35	ADR	35.6	-26.9	.21	35.26	-	-	-	-	-	-	252	200	V
8.568	36.98	PK-U	35.8	-24.2	0	48.58	-	-	74	-25.42	68.2	-19.62	211	200	H
8.569	24.34	ADR	35.8	-24.2	.21	36.15	-	-	-	-	-	-	211	200	H
12.775	35.02	PK-U	39.1	-22.7	0	51.42	-	-	74	-22.58	68.2	-16.78	207	161	V
12.778	23.19	ADR	39.1	-22.6	.21	39.9	-	-	-	-	-	-	207	161	V

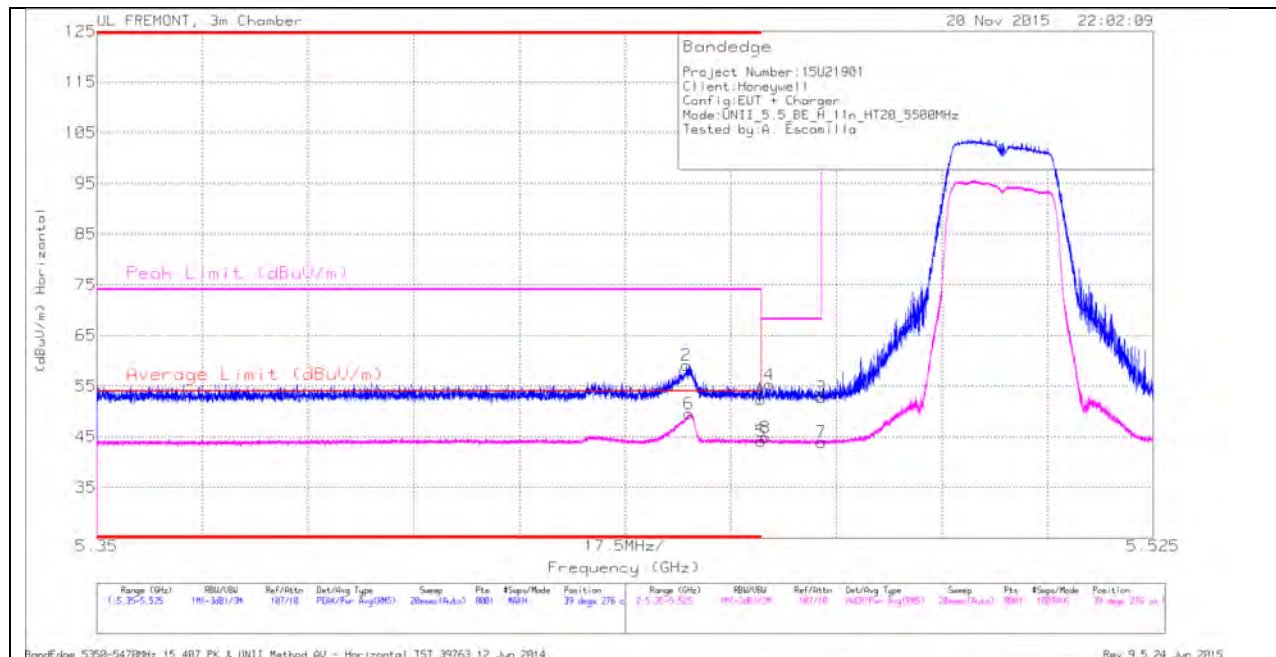
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.3.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

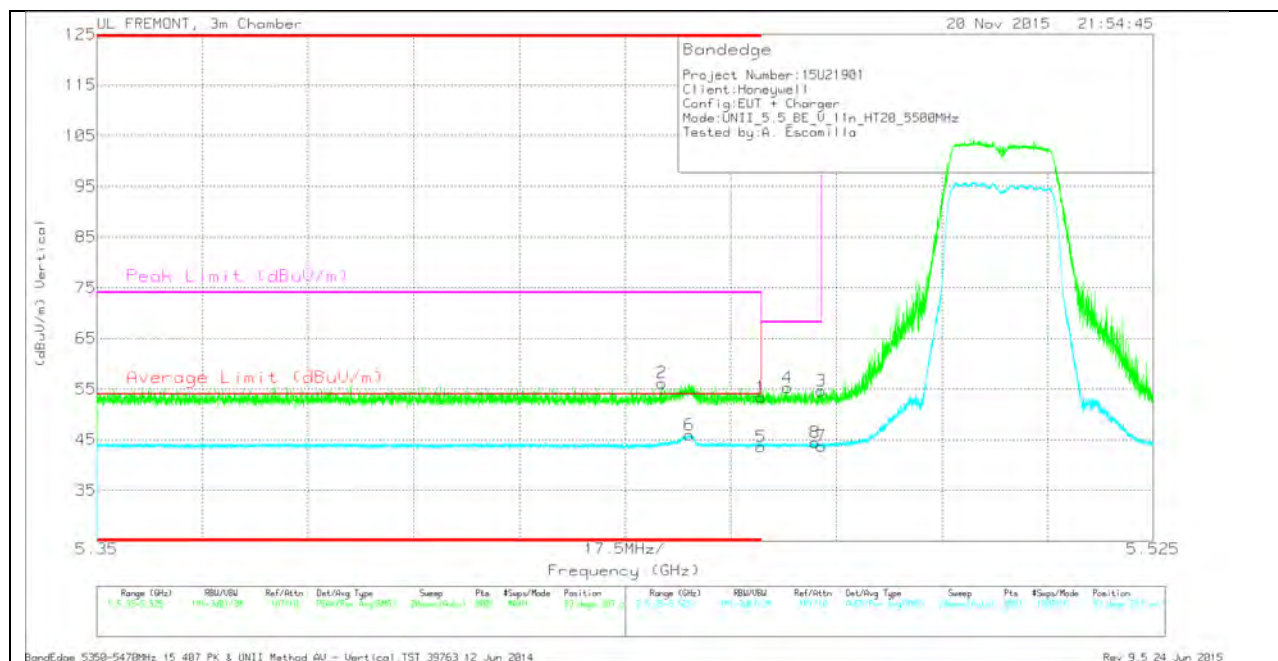
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.448	44.46	Pk	34.6	-19.9	0	59.16	-	-	74	-14.84	39	276	H
6	* 5.448	34.62	RMS	34.6	-19.9	.22	49.54	54	-4.46	-	-	39	276	H
1	* 5.46	37.71	Pk	34.6	-19.9	0	52.41	-	-	74	-21.59	39	276	H
5	* 5.46	29.22	RMS	34.6	-19.9	.22	44.14	54	-9.86	-	-	39	276	H
4	5.461	40.57	Pk	34.6	-19.9	0	55.27	-	-	68.2	-12.93	39	276	H
8	5.461	29.9	RMS	34.6	-19.9	.22	44.82	-	-	-	-	39	276	H
3	5.47	38.13	Pk	34.6	-19.9	0	52.83	-	-	68.2	-15.37	39	276	H
7	5.47	28.98	RMS	34.6	-19.9	.22	43.9	-	-	-	-	39	276	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fitter/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.444	41.49	Pk	34.6	-19.9	0	56.19	-	-	74	-17.81	83	287	V
6	* 5.448	31.07	RMS	34.6	-19.9	.22	45.99	54	-8.01	-	-	83	287	V
1	* 5.46	38.65	Pk	34.6	-19.9	0	53.35	-	-	74	-20.65	83	287	V
5	* 5.46	28.71	RMS	34.6	-19.9	.22	43.63	54	-10.37	-	-	83	287	V
4	5.464	40.59	Pk	34.6	-19.9	0	55.29	-	-	68.2	-12.91	83	287	V
8	5.469	29.49	RMS	34.6	-19.9	.22	44.41	-	-	-	-	83	287	V
3	5.47	39.89	Pk	34.6	-19.9	0	54.59	-	-	68.2	-13.61	83	287	V
7	5.47	28.79	RMS	34.6	-19.9	.22	43.71	-	-	-	-	83	287	V

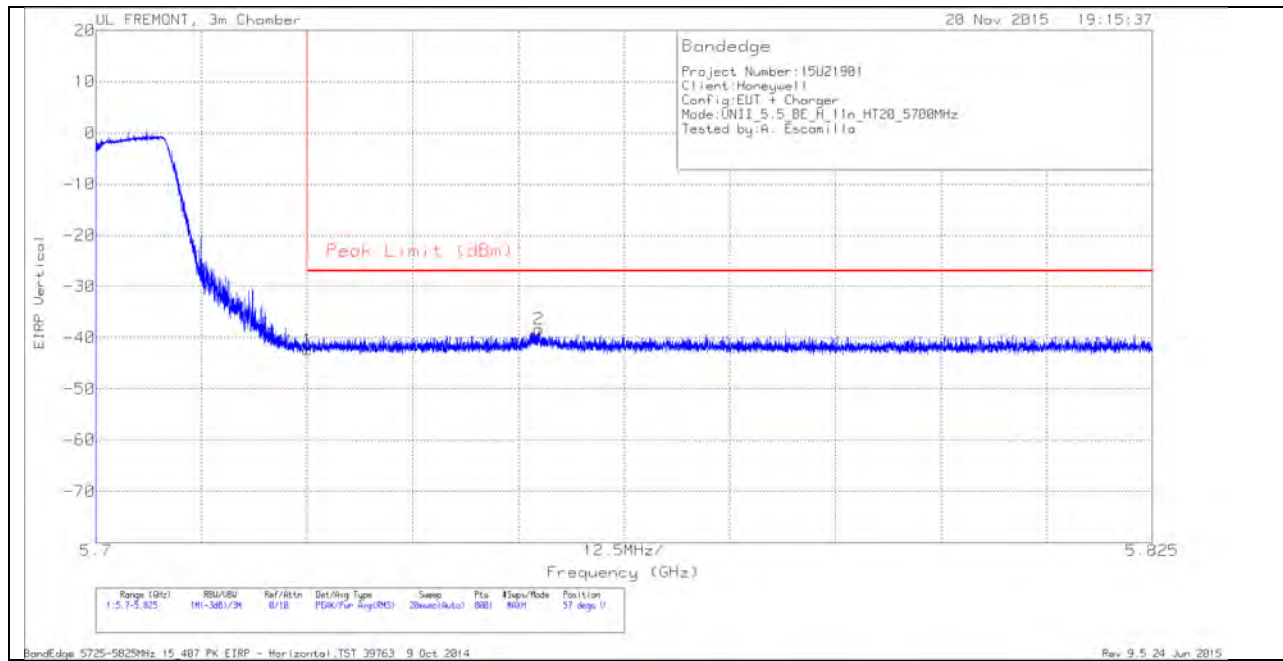
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT

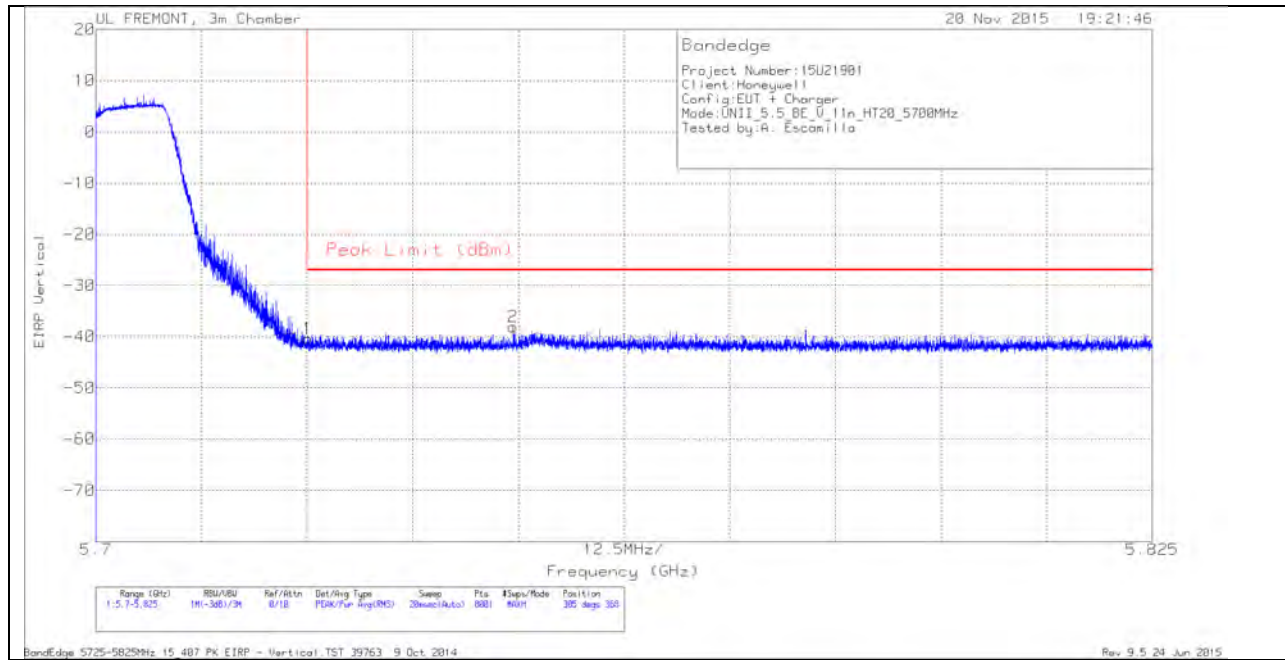


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)
1	5.725	-69.16	Pk	34.8	-19.8	11.8	-42.36	-27	-15.36	57
2	5.752	-65.16	Pk	34.8	-19.8	11.8	-38.36	-27	-11.36	57

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



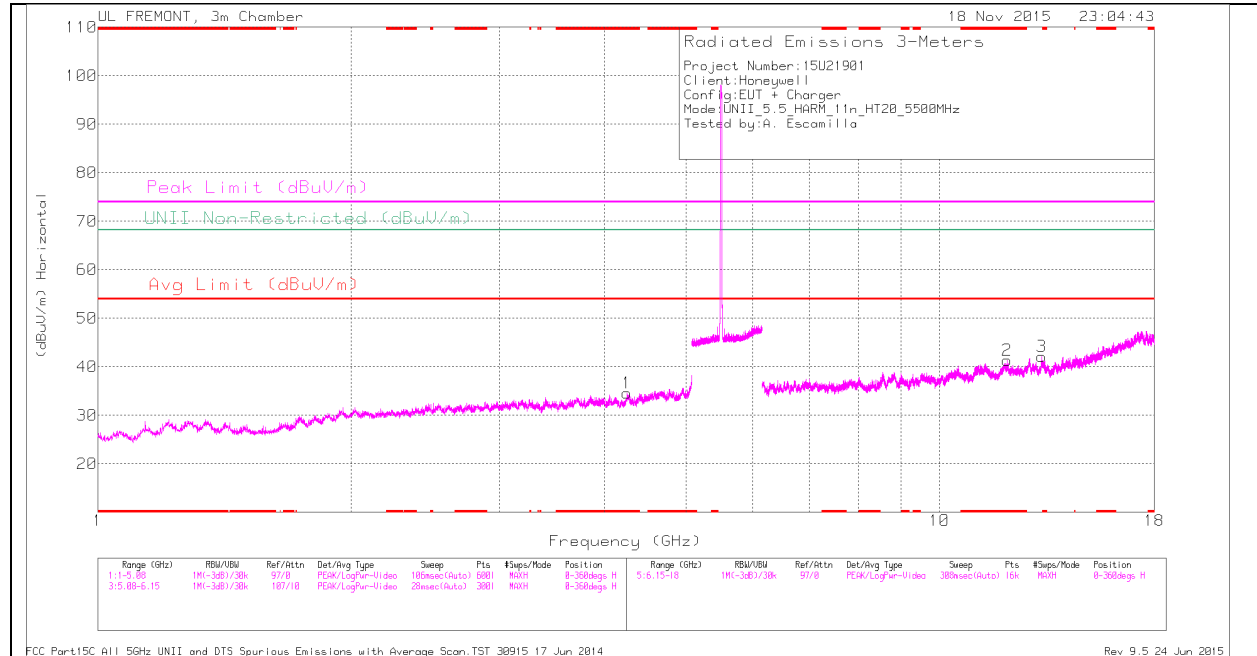
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-67.18	Pk	34.8	-19.8	11.8	-40.38	-27	-13.38	305	368	V
2	5.749	-64.78	Pk	34.8	-19.9	11.8	-38.08	-27	-11.08	305	368	V

Pk - Peak detector

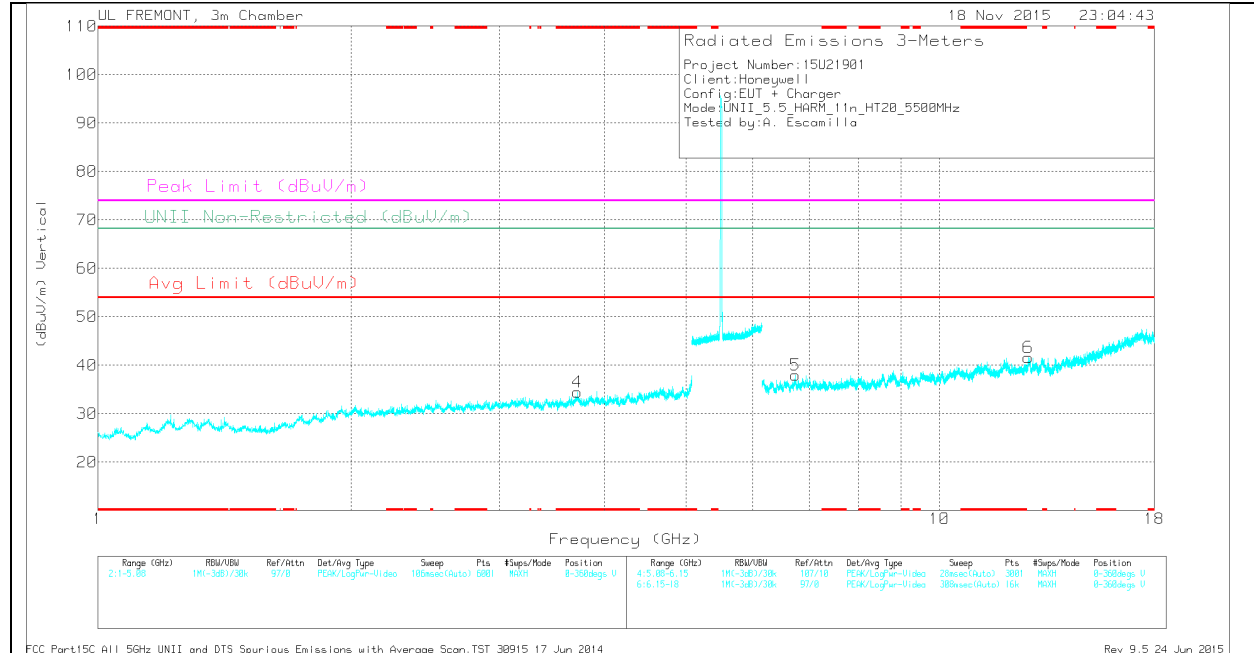
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.254	30.8	Avg	33.4	-29.6	0	34.6	54	-19.4	-	-	-	-	0-360	100	H
4	* 3.713	31.06	Avg	33	-29.6	0	34.46	54	-19.54	-	-	-	-	0-360	200	V
2	* 12.038	25.67	Avg	39.1	-23.4	0	41.37	54	-12.63	-	-	-	-	0-360	200	H
5	6.741	29.93	Avg	35.6	-27.5	0	38.03	54	-15.97	-	-	-	-	0-360	100	V
6	12.748	25.41	Avg	39.1	-22.9	0	41.61	54	-12.39	-	-	-	-	0-360	100	V
3	13.223	26.09	Avg	39	-23	0	42.09	54	-11.91	-	-	-	-	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

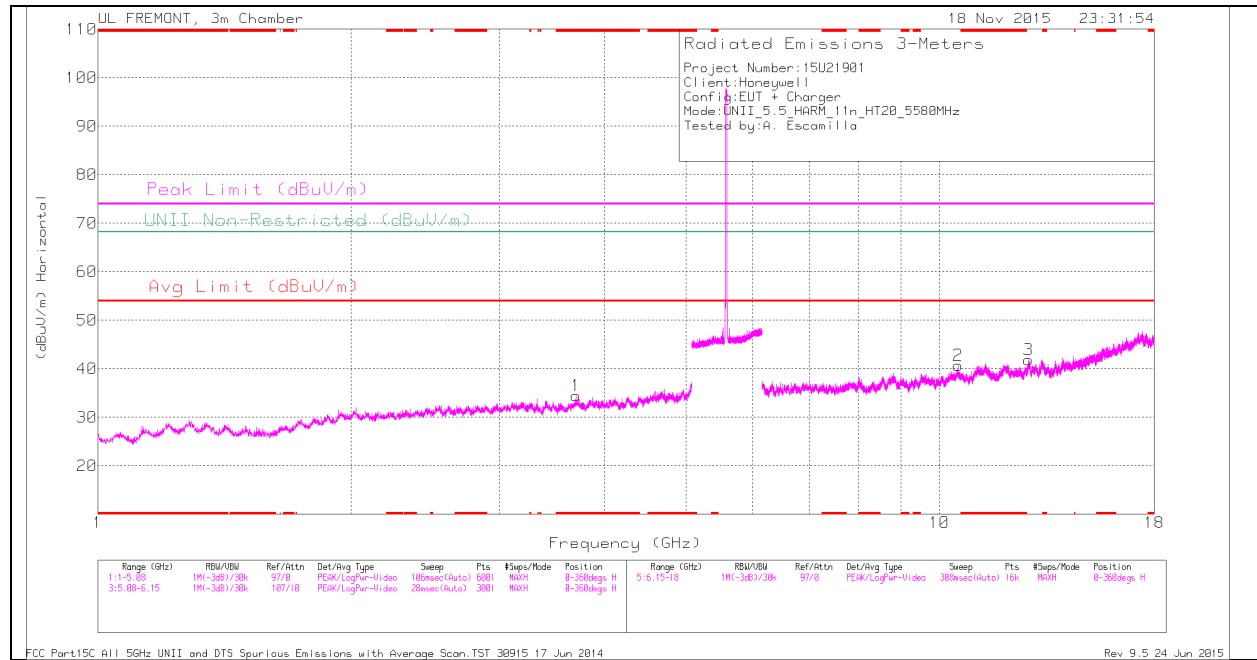
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.255	39.94	PK-U	33.4	-29.5	0	43.84	-	-	74	-30.16	68.2	-24.36	293	142	H
* 4.254	28.25	ADR	33.4	-29.6	.22	32.27	54	-21.73	-	-	-	-	293	142	H
* 3.711	40.01	PK-U	33	-29.6	0	43.41	-	-	74	-30.59	68.2	-24.79	170	175	V
* 3.711	28.11	ADR	33	-29.6	.22	31.73	54	-22.27	-	-	-	-	170	175	V
* 12.038	34.92	PK-U	39.1	-23.4	0	50.62	-	-	74	-23.38	68.2	-17.58	196	244	H
* 12.04	22.89	ADR	39.1	-23.4	.22	38.81	54	-15.19	-	-	-	-	196	244	H
6.739	27.29	ADR	35.6	-27.5	.22	35.61	-	-	-	-	-	-	158	145	V
6.742	39.48	PK-U	35.6	-27.5	0	47.58	-	-	74	-26.42	68.2	-20.62	158	145	V
12.746	34.57	PK-U	39.1	-22.9	0	50.77	-	-	74	-23.23	68.2	-17.43	73	101	V
12.747	22.96	ADR	39.1	-22.9	.22	39.38	-	-	-	-	-	-	73	101	V
13.222	35.41	PK-U	39	-23	0	51.41	-	-	74	-22.59	68.2	-16.79	238	200	H
13.225	23.56	ADR	39	-23	.22	39.78	-	-	-	-	-	-	238	200	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

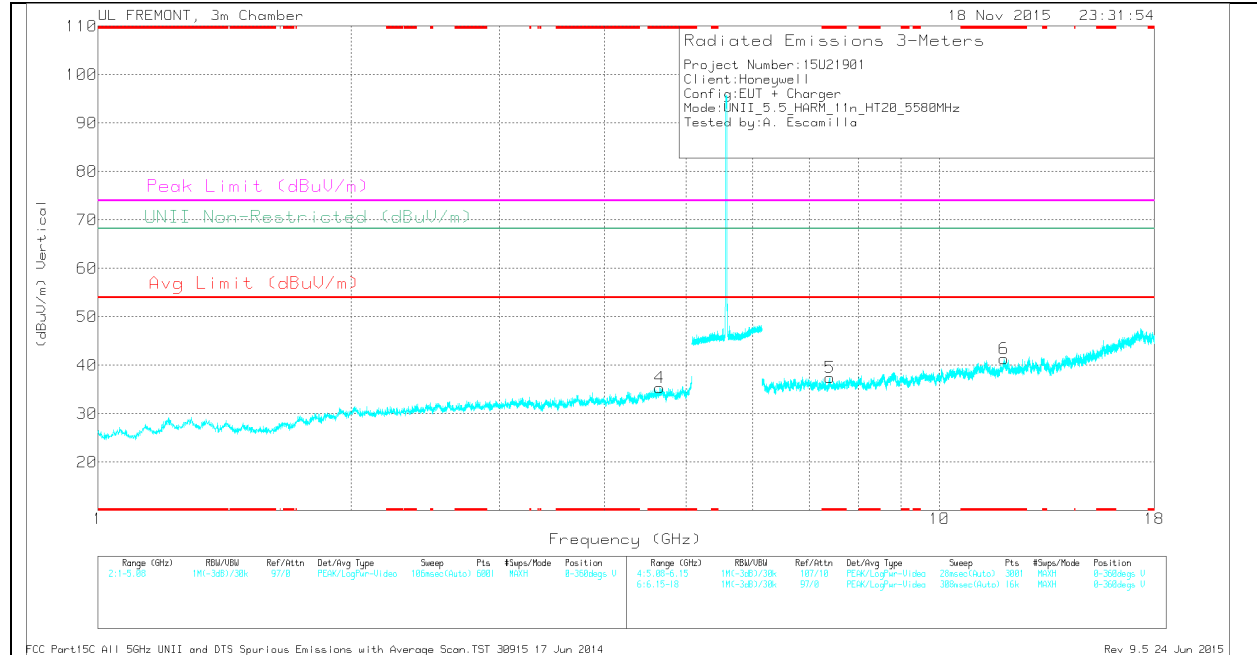
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.698	31.2	Avg	33	-29.7	0	34.5	54	-19.5	-	-	-	-	0-360	200	H
4	* 4.654	30.6	Avg	34	-29.2	0	35.4	54	-18.6	-	-	-	-	0-360	100	V
5	* 7.408	28.71	Avg	35.6	-26.9	0	37.41	54	-16.59	-	-	-	-	0-360	100	V
6	* 11.938	25.78	Avg	39.1	-23.5	0	41.38	54	-12.62	-	-	-	-	0-360	200	V
2	10.525	25.82	Avg	37.5	-22.6	0	40.72	54	-13.28	-	-	-	-	0-360	100	H
3	12.752	25.66	Avg	39.1	-22.9	0	41.86	54	-12.14	-	-	-	-	0-360	200	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

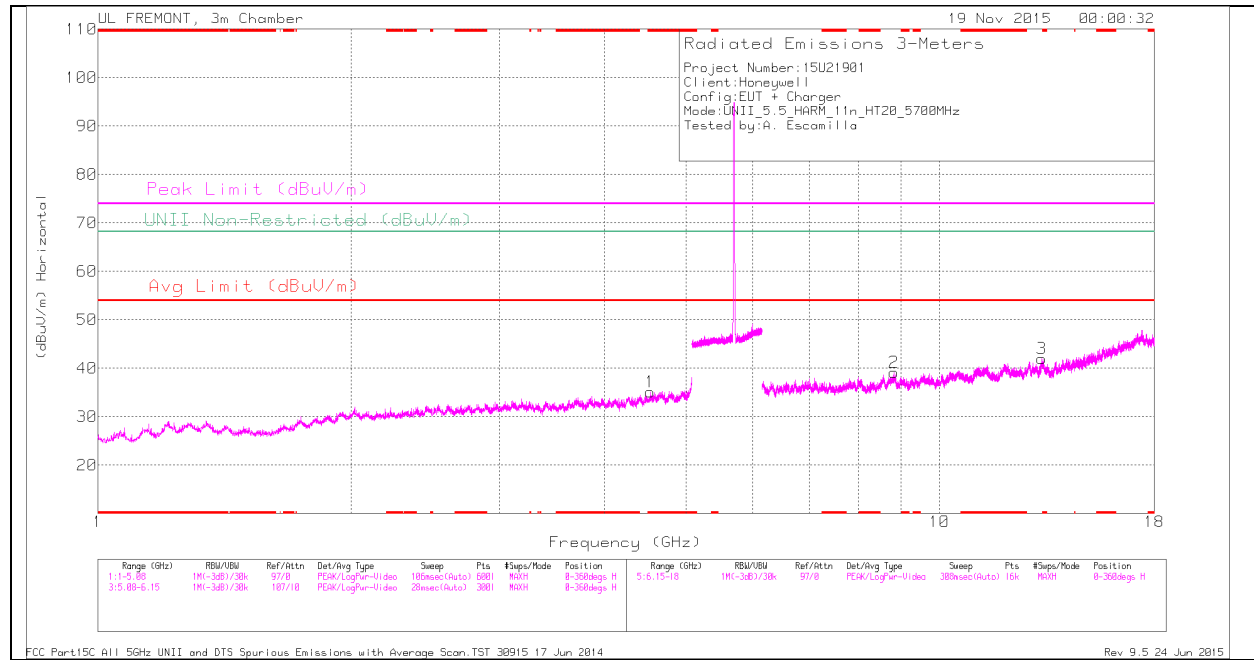
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.7	39.87	PK-U	33	-29.6	0	43.27	-	-	74	-30.73	68.2	-24.93	68	157	H
* 3.698	28.17	ADR	33	-29.7	.22	31.69	54	-22.31	-	-	-	-	68	157	H
* 4.654	39.65	PK-U	34	-29.2	0	44.45	-	-	74	-29.55	68.2	-23.75	168	265	V
* 4.655	28.19	ADR	34	-29.2	.22	33.21	54	-20.79	-	-	-	-	168	265	V
* 7.408	37.98	PK-U	35.6	-26.9	0	46.68	-	-	74	-27.32	68.2	-21.52	296	156	V
* 7.407	26.43	ADR	35.6	-26.9	.22	35.35	54	-18.65	-	-	-	-	296	156	V
* 11.938	34.72	PK-U	39.1	-23.5	0	50.32	-	-	74	-23.68	68.2	-17.88	346	241	V
* 11.94	22.95	ADR	39.1	-23.5	.22	38.77	54	-15.23	-	-	-	-	346	241	V
10.527	34.06	PK-U	37.5	-22.6	0	48.96	-	-	74	-25.04	68.2	-19.24	215	221	H
10.527	22.22	ADR	37.5	-22.6	.22	37.34	-	-	-	-	-	-	215	221	H
12.751	34.53	PK-U	39.1	-22.9	0	50.73	-	-	74	-23.27	68.2	-17.47	179	200	H
12.753	22.8	ADR	39.1	-22.9	.22	39.22	-	-	-	-	-	-	179	200	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

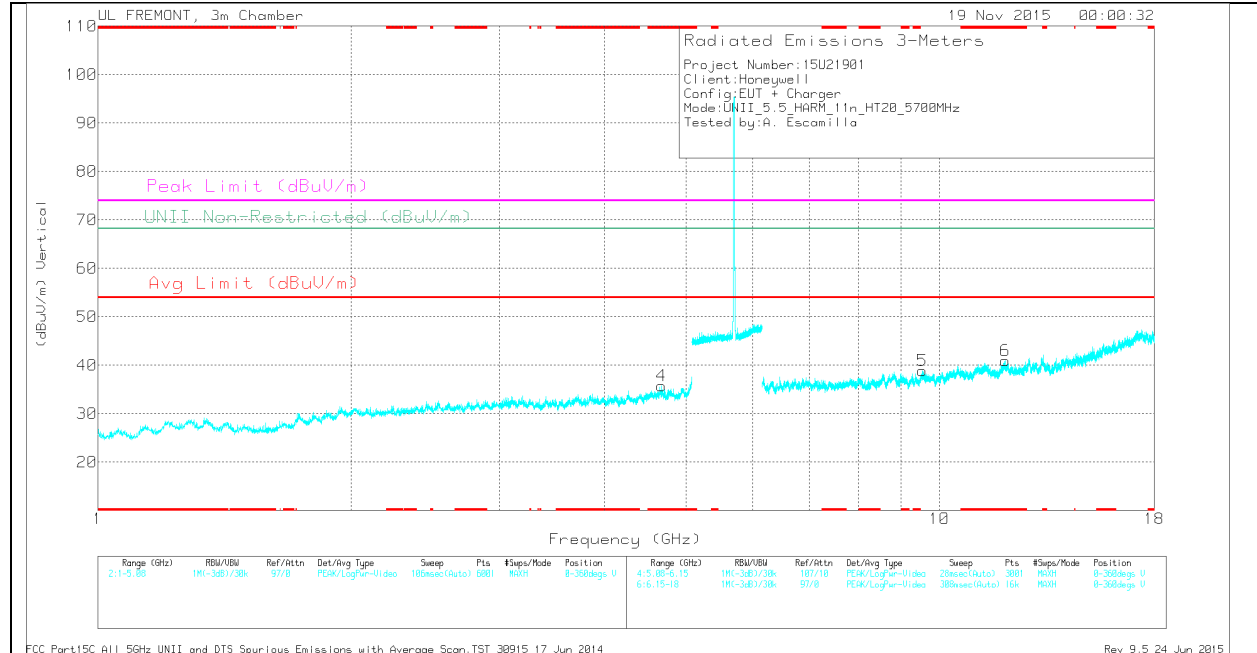
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.533	31.65	Avg	33.8	-30.3	0	35.15	54	-18.85	-	-	-	-	0-360	100	H
4	* 4.676	31.21	Avg	34	-29.4	0	35.81	54	-18.19	-	-	-	-	0-360	200	V
6	* 11.978	25.3	Avg	39.1	-23.4	0	41	54	-13	-	-	-	-	0-360	100	V
2	8.825	27.3	Avg	35.9	-24	0	39.2	54	-14.8	-	-	-	-	0-360	100	H
5	9.535	25.67	Avg	36.6	-23.4	0	38.87	54	-15.13	-	-	-	-	0-360	100	V
3	13.22	26.07	Avg	39	-23.1	0	41.97	54	-12.03	-	-	-	-	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.533	40.72	PK-U	33.8	-30.3	0	44.22	-	-	74	-29.78	68.2	-23.98	312	152	H
* 4.535	28.84	ADR	33.8	-30.3	.22	32.56	54	-21.44	-	-	-	-	312	152	H
* 4.678	40.29	PK-U	34	-29.4	0	44.89	-	-	74	-29.11	68.2	-23.31	274	179	V
* 4.674	28.13	ADR	34	-29.3	.22	33.05	54	-20.95	-	-	-	-	274	179	V
* 11.979	34.32	PK-U	39.1	-23.5	0	49.92	-	-	74	-24.08	68.2	-18.28	18	159	V
* 11.978	22.31	ADR	39.1	-23.5	.22	38.13	54	-15.87	-	-	-	-	18	159	V
8.826	24.07	ADR	35.9	-24	.22	36.19	-	-	-	-	-	-	311	134	H
8.827	36.12	PK-U	35.9	-24	0	48.02	-	-	74	-25.98	68.2	-20.18	311	134	H
9.537	34.83	PK-U	36.6	-23.3	0	48.13	-	-	74	-25.87	68.2	-20.07	79	160	V
9.537	22.92	ADR	36.6	-23.3	.22	36.44	-	-	-	-	-	-	79	160	V
13.221	35.39	PK-U	39	-23	0	51.39	-	-	74	-22.61	68.2	-16.81	188	214	H
13.221	23.54	ADR	39	-23.1	.22	39.66	-	-	-	-	-	-	188	214	H

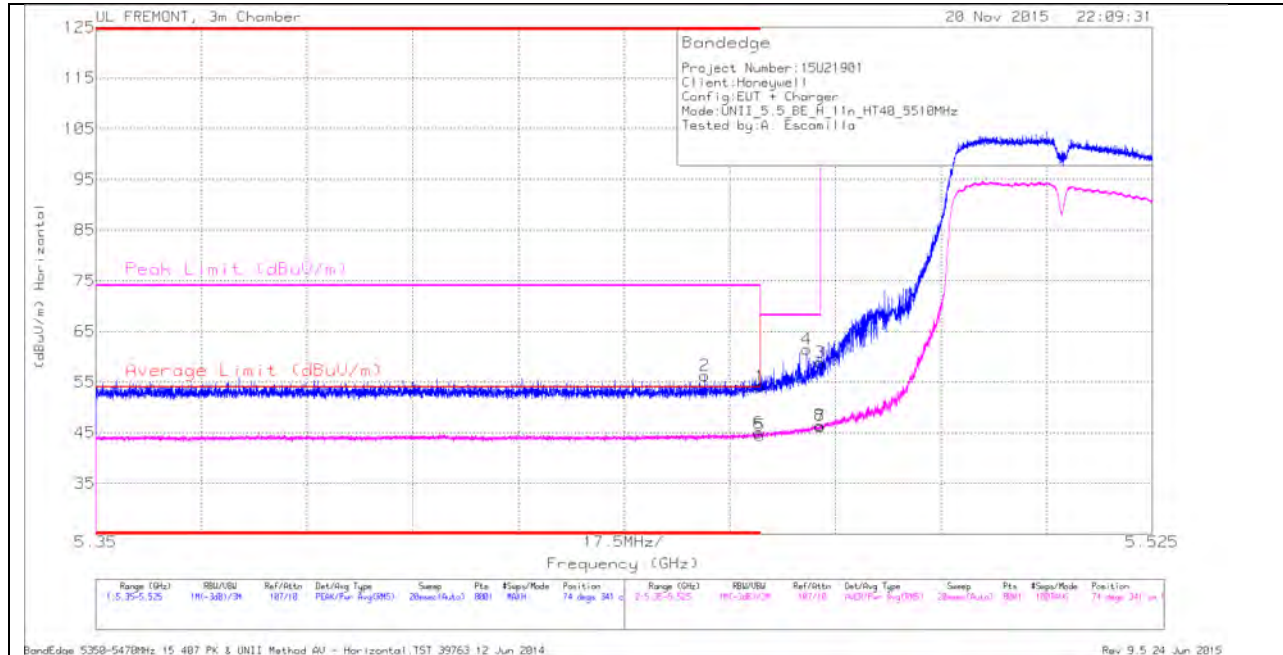
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.3.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

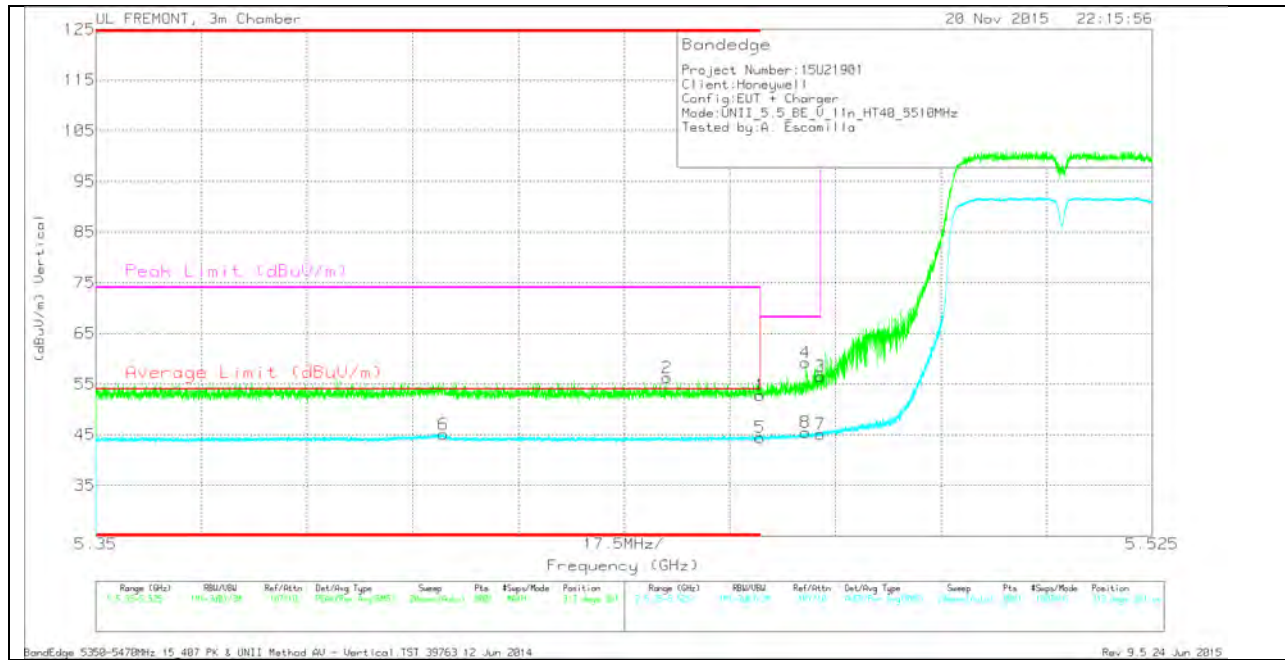
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 5.451	41.51	Pk	34.6	-19.9	0	56.21	-	-	74	-17.79	74	341	H
1	* 5.46	39.39	Pk	34.6	-19.9	0	54.09	-	-	74	-19.91	74	341	H
5	* 5.46	29.26	RMS	34.6	-19.9	.49	44.45	54	-9.55	-	-	74	341	H
6	* 5.46	29.76	RMS	34.6	-19.9	.49	44.95	54	-9.05	-	-	74	341	H
4	5.468	46.7	Pk	34.6	-19.8	0	61.5	-	-	68.2	-6.7	74	341	H
3	5.47	44.17	Pk	34.6	-19.9	0	58.87	-	-	68.2	-9.33	74	341	H
7	5.47	31	RMS	34.6	-19.9	.49	46.19	-	-	-	-	74	341	H
8	5.47	31.21	RMS	34.6	-19.9	.49	46.4	-	-	-	-	74	341	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.408	30.04	RMS	34.6	-20	.49	45.13	54	-8.87	-	-	313	361	V
2	* 5.445	41.57	Pk	34.6	-19.9	0	56.27	-	-	74	-17.73	313	361	V
1	* 5.46	38.13	Pk	34.6	-19.9	0	52.83	-	-	74	-21.17	313	361	V
5	* 5.46	29.31	RMS	34.6	-19.9	.49	44.5	54	-9.5	-	-	313	361	V
4	5.468	44.44	Pk	34.6	-19.8	0	59.24	-	-	68.2	-8.96	313	361	V
8	5.468	30.17	RMS	34.6	-19.8	.49	45.46	-	-	-	-	313	361	V
3	5.47	41.82	Pk	34.6	-19.9	0	56.52	-	-	68.2	-11.68	313	361	V
7	5.47	29.9	RMS	34.6	-19.9	.49	45.09	-	-	-	-	313	361	V

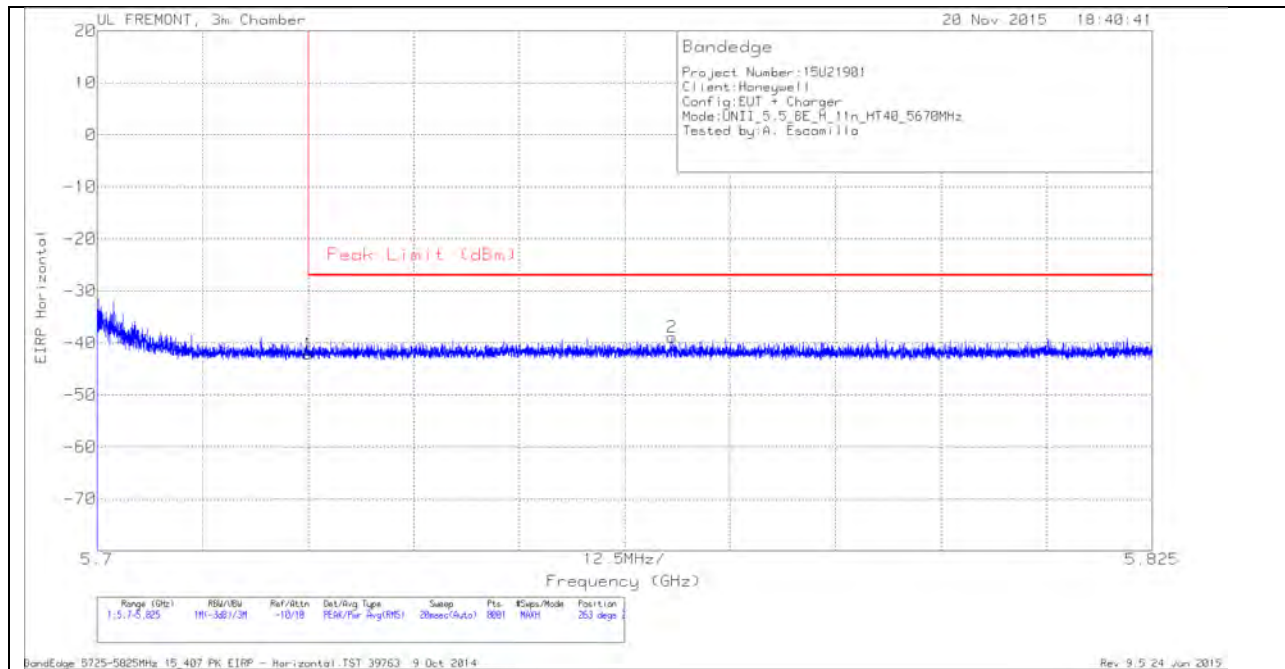
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT

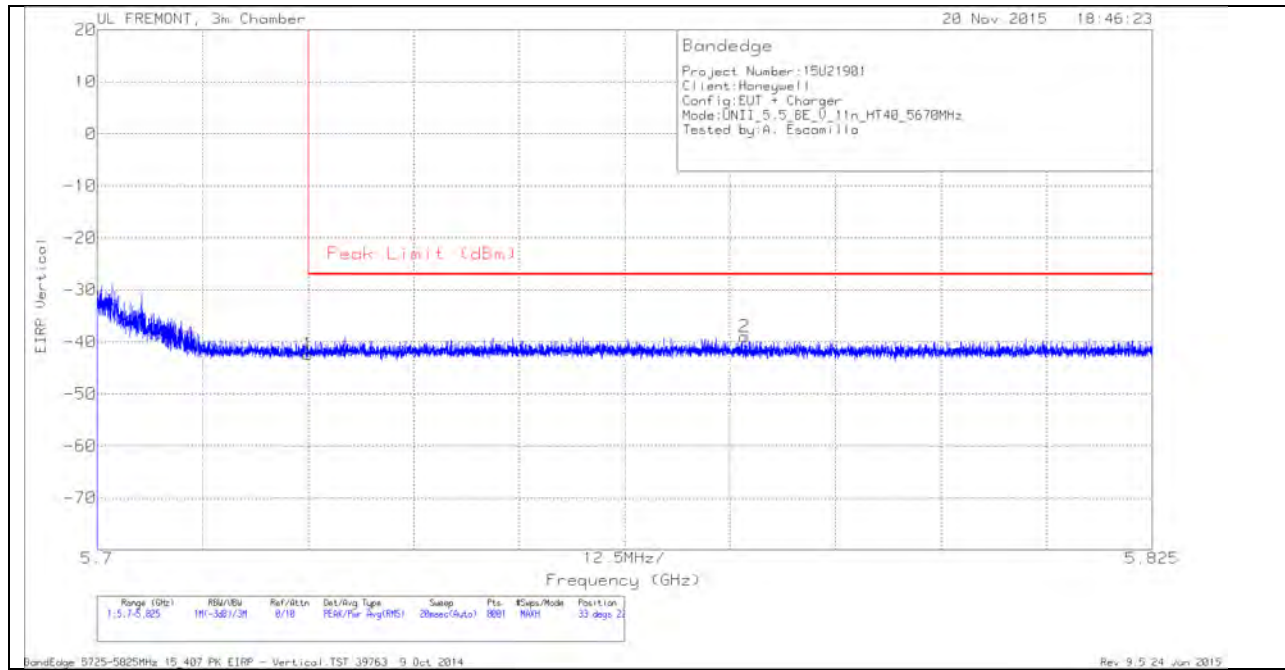


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-68.97	Pk	34.8	-19.8	11.8	-42.17	-27	-15.17	263	235	H
2	5.768	-65.6	Pk	34.8	-19.9	11.8	-38.9	-27	-11.9	263	235	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



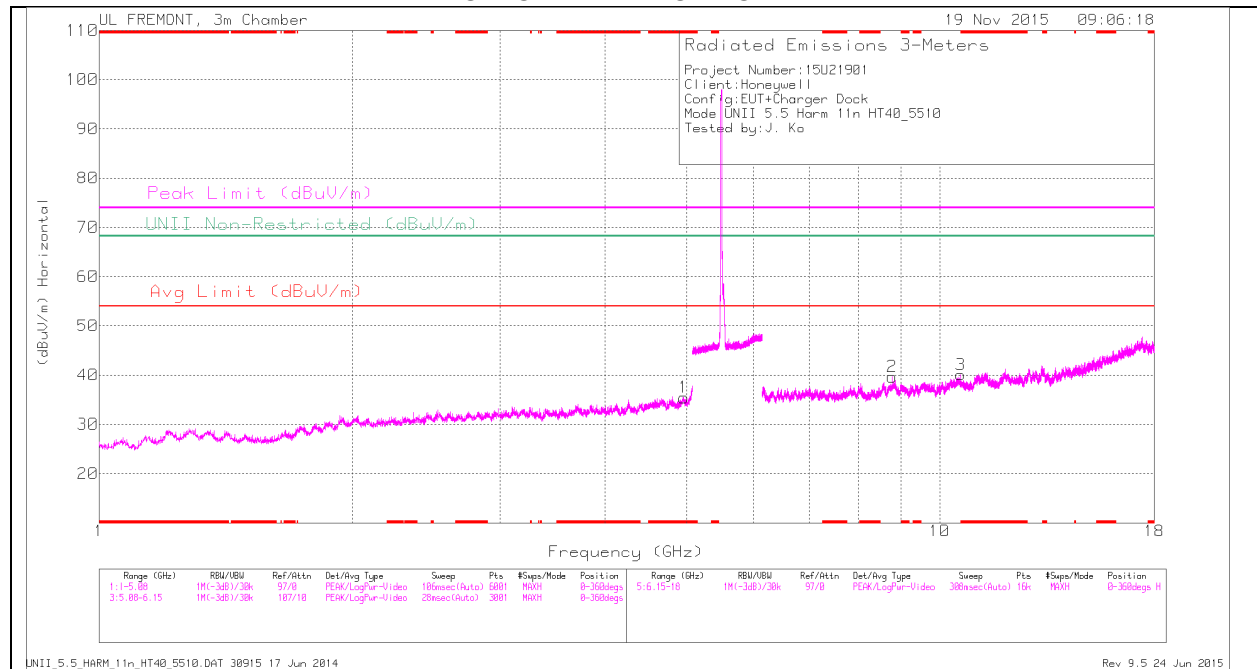
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-69.15	Pk	34.8	-19.8	11.8	-42.35	-27	-15.35	33	229	V
2	5.777	-65.57	Pk	34.8	-20	11.8	-38.97	-27	-11.97	33	229	V

Pk - Peak detector

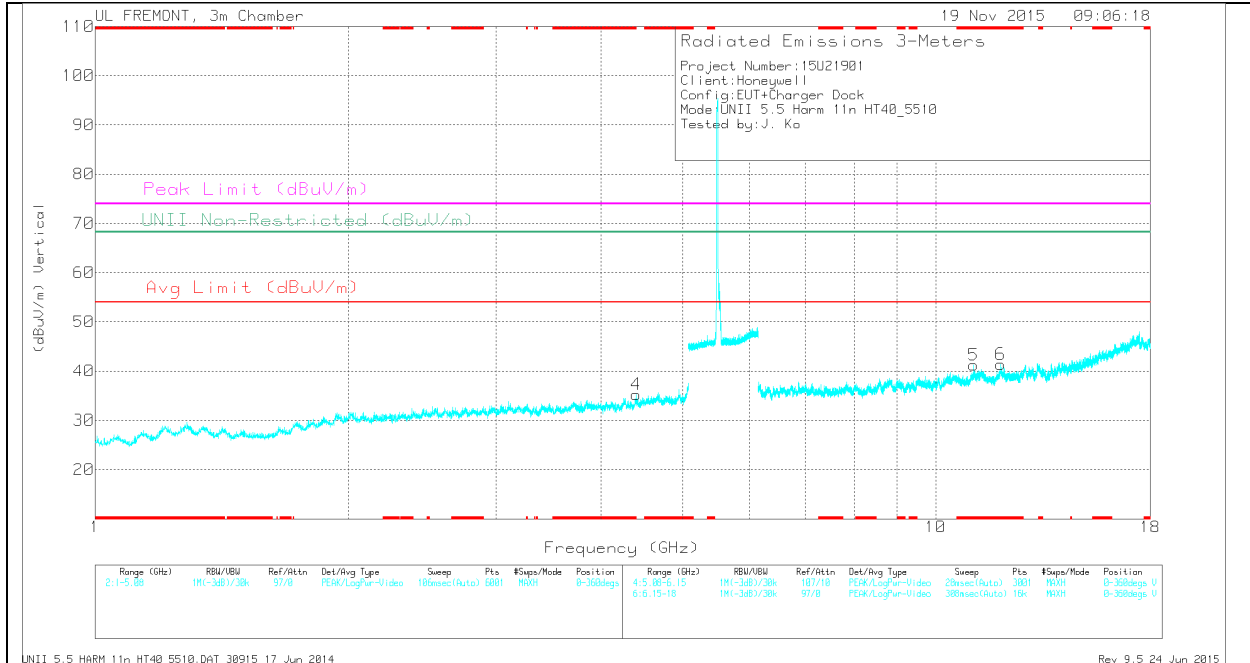
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.962	29.53	Avg	34	-28.1	0	35.43	54	-18.57	-	-	-	-	0-360	200	H
5	* 11.092	25.93	Avg	37.8	-22.5	0	41.23	54	-12.77	-	-	-	-	0-360	100	V
6	* 11.944	25.79	Avg	39.1	-23.5	0	41.39	54	-12.61	-	-	-	-	0-360	100	V
4	4.403	31.35	Avg	33.6	-29.7	0	35.25	54	-18.75	-	-	-	-	0-360	200	V
2	8.783	27.46	Avg	35.9	-23.7	0	39.66	54	-14.34	-	-	-	-	0-360	100	H
3	10.598	25.17	Avg	37.6	-22.7	0	40.07	54	-13.93	-	-	-	-	0-360	200	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

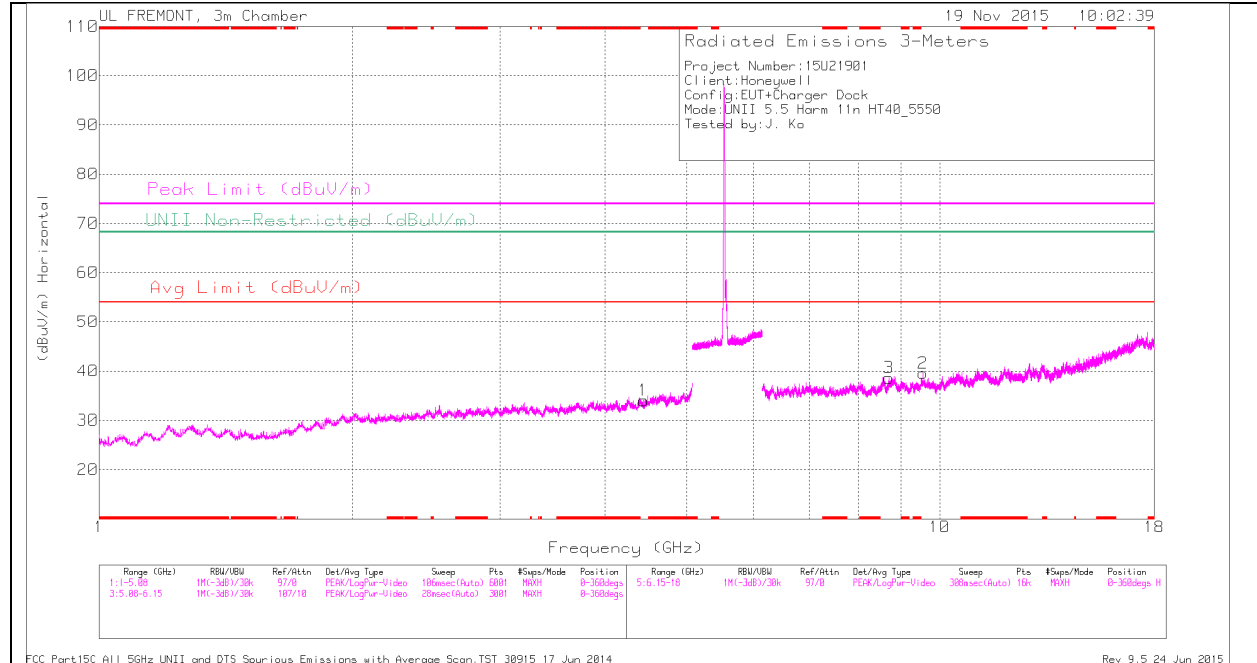
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.96	40.09	PK-U	34	-28	0	46.09	-	-	74	-27.91	68.2	-22.11	0	200	H
* 4.96	28.05	ADR	34	-28	.49	34.54	-	-	-	-	-	-	0	200	H
* 11.09	34.22	PK-U	37.8	-22.5	0	49.52	-	-	74	-24.48	68.2	-18.68	0	100	V
* 11.093	22.36	ADR	37.8	-22.5	.49	38.15	-	-	-	-	-	-	0	100	V
* 11.943	34.73	PK-U	39.1	-23.5	0	50.33	-	-	74	-23.67	68.2	-17.87	0	100	V
* 11.945	22.76	ADR	39.1	-23.5	.49	38.85	-	-	-	-	-	-	0	100	V
4.402	40.14	PK-U	33.6	-29.7	0	44.04	-	-	74	-29.96	68.2	-24.16	0	200	V
4.404	28.37	ADR	33.6	-29.7	.49	32.76	-	-	-	-	-	-	0	200	V
8.783	35.15	PK-U	35.9	-23.7	0	47.35	-	-	74	-26.65	68.2	-20.85	0	100	H
8.785	23.85	ADR	35.9	-23.7	.49	36.54	-	-	-	-	-	-	0	100	H
10.599	21.83	ADR	37.6	-22.7	.49	37.22	-	-	-	-	-	-	0	200	H
10.6	33.47	PK-U	37.6	-22.8	0	48.27	-	-	74	-25.73	68.2	-19.93	0	200	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

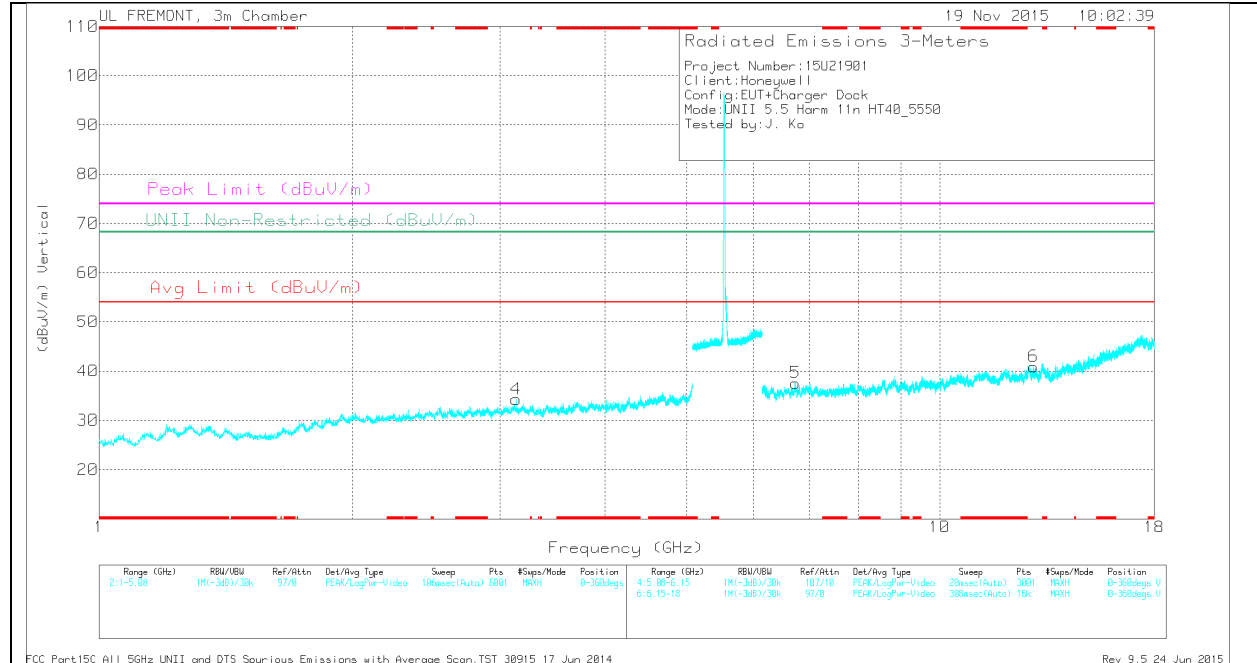
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	3.135	32.59	Avg	32.7	-31	0	34.29	54	-19.71	-	-	-	-	0-360	200	V
1	4.444	30.14	Avg	33.7	-29.8	0	34.04	54	-19.96	-	-	-	-	0-360	200	H
5	6.738	29.39	Avg	35.6	-27.4	0	37.59	54	-16.41	-	-	-	-	0-360	200	V
3	8.697	28.74	Avg	35.9	-26	0	38.64	54	-15.36	-	-	-	-	0-360	100	H
2	9.555	25.99	Avg	36.6	-23	0	39.59	54	-14.41	-	-	-	-	0-360	100	H
6	12.926	26.01	Avg	39.1	-24.2	0	40.91	54	-13.09	-	-	-	-	0-360	200	V

Avg - Video bandwidth < Resolution bandwidth

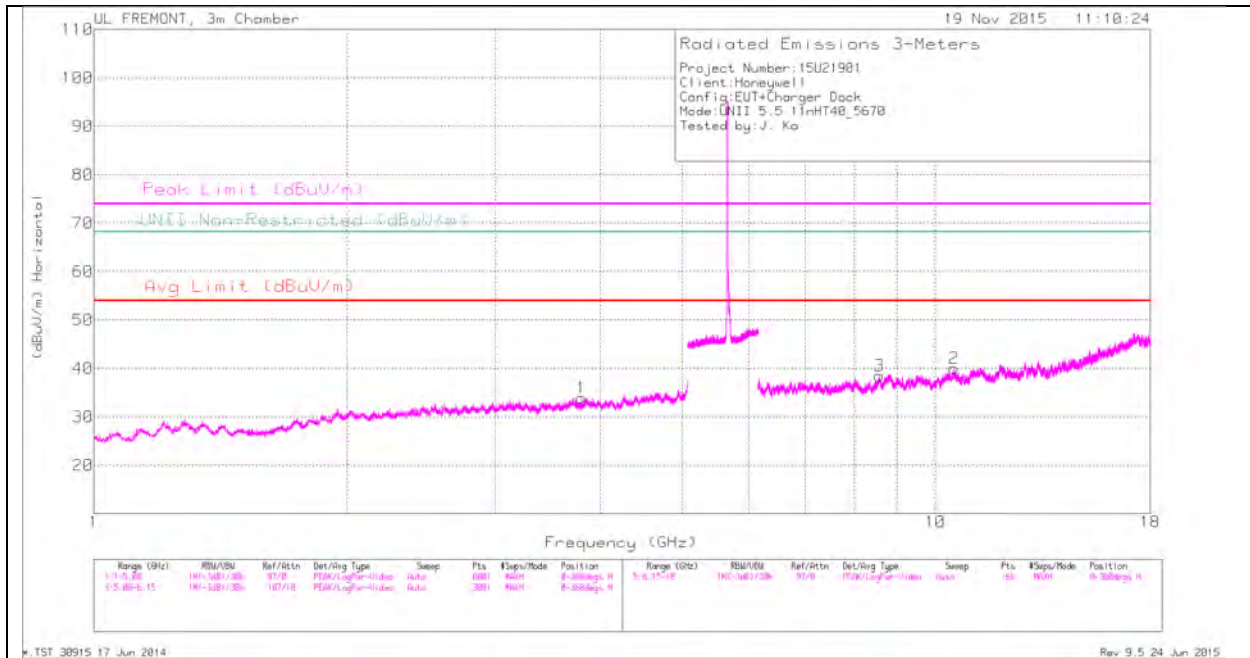
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.133	40.45	PK-U	32.7	-31	0	42.15	-	-	74	-31.85	68.2	-26.05	1	200	V
3.133	28.86	ADR	32.7	-31	.49	31.05	-	-	-	-	-	-	1	200	V
4.446	39.54	PK-U	33.7	-29.8	0	43.44	-	-	74	-30.56	68.2	-24.76	1	200	H
4.446	27.43	ADR	33.7	-29.8	.49	31.82	-	-	-	-	-	-	1	200	H
6.736	26.95	ADR	35.6	-27.5	.49	35.54	-	-	-	-	-	-	1	200	V
6.738	38.22	PK-U	35.6	-27.4	0	46.42	-	-	74	-27.58	68.2	-21.78	1	200	V
8.697	37.41	PK-U	35.9	-26	0	47.31	-	-	74	-26.69	68.2	-20.89	1	100	H
8.699	25.75	ADR	35.9	-26	.49	36.14	-	-	-	-	-	-	1	100	H
9.554	34.03	PK-U	36.6	-23	0	47.63	-	-	74	-26.37	68.2	-20.57	1	100	H
9.556	22.33	ADR	36.6	-23	.49	36.42	-	-	-	-	-	-	1	100	H
12.927	34.88	PK-U	39.1	-24.2	0	49.78	-	-	74	-24.22	68.2	-18.42	1	200	V
12.927	22.91	ADR	39.1	-24.2	.49	38.3	-	-	-	-	-	-	1	200	V

PK-U - U-NII: Maximum Peak

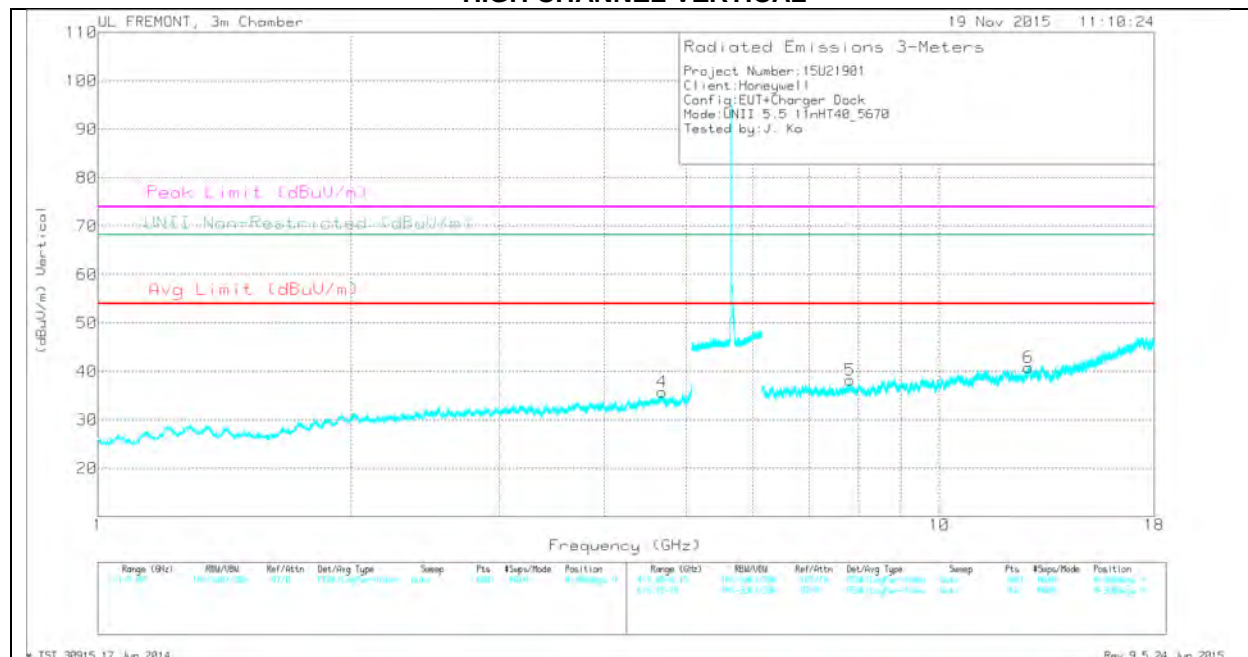
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.798	31.45	Avg	33.1	-30.6	0	33.95	54	-20.05	-	-	-	-	0-360	100	H
4	4.682	31.16	Avg	34	-29.4	0	35.76	54	-18.24	-	-	-	-	0-360	100	V
5	7.832	28.18	Avg	35.8	-25.7	0	38.28	54	-15.72	-	-	-	-	0-360	200	V
3	8.579	26.91	Avg	35.8	-24.2	0	38.51	54	-15.49	-	-	-	-	0-360	100	H
2	10.519	25.26	Avg	37.5	-22.7	0	40.06	54	-13.94	-	-	-	-	0-360	100	H
6	12.765	24.52	Avg	39.1	-22.8	0	40.82	54	-13.18	-	-	-	-	0-360	200	V

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

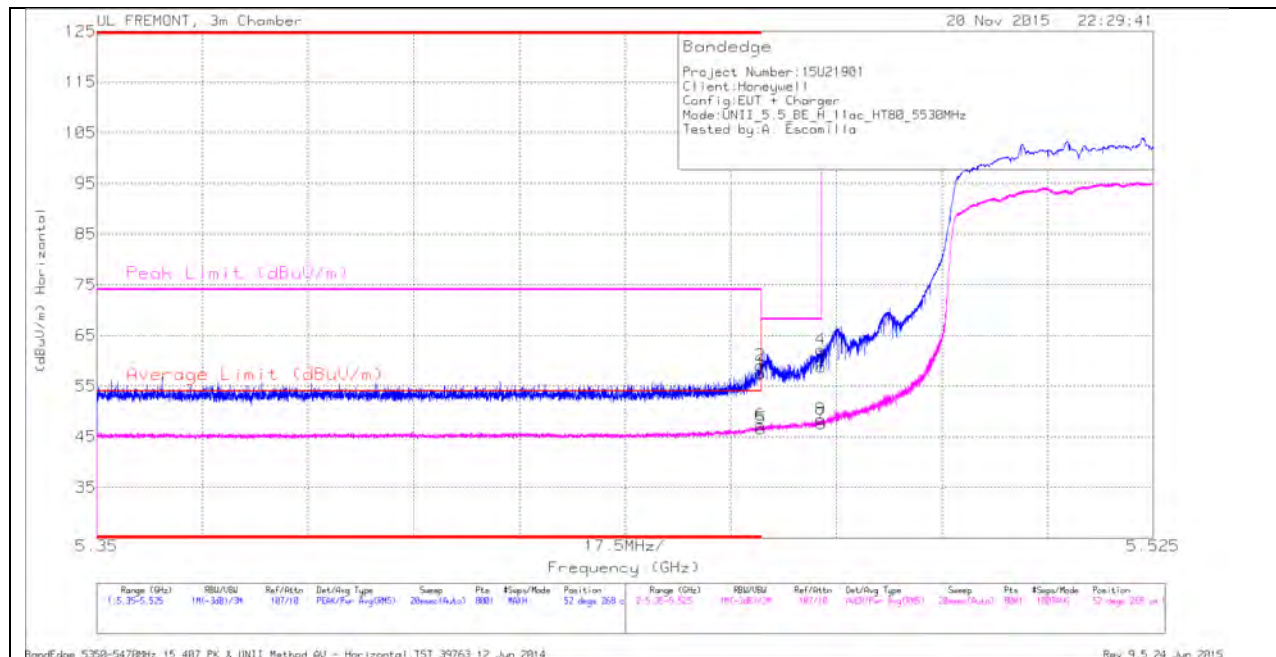
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.799	40.28	PK-U	33.1	-30.6	0	42.78	-	-	74	-31.22	68.2	-25.42	1	100	H
3.799	28.14	ADR	33.1	-30.6	.49	31.13	-	-	-	-	-	-	1	100	H
4.681	40.86	PK-U	34	-29.4	0	45.46	-	-	74	-28.54	68.2	-22.74	1	100	V
4.681	28.15	ADR	34	-29.4	.49	33.24	-	-	-	-	-	-	1	100	V
7.831	25.13	ADR	35.8	-25.8	.49	35.62	-	-	-	-	-	-	1	200	V
7.832	37.38	PK-U	35.8	-25.7	0	47.48	-	-	74	-26.52	68.2	-20.72	1	200	V
8.578	36.19	PK-U	35.8	-24.2	0	47.79	-	-	74	-26.21	68.2	-20.41	1	100	H
8.579	24.61	ADR	35.8	-24.2	.49	36.7	-	-	-	-	-	-	1	100	H
10.519	33.94	PK-U	37.5	-22.7	0	48.74	-	-	74	-25.26	68.2	-19.46	1	100	H
10.521	22.54	ADR	37.5	-22.7	.49	37.83	-	-	-	-	-	-	1	100	H
12.766	35.06	PK-U	39.1	-22.8	0	51.36	-	-	74	-22.64	68.2	-16.84	1	200	V
12.766	22.59	ADR	39.1	-22.8	.49	39.38	-	-	-	-	-	-	1	200	V

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.3.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.5 GHz BAND RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

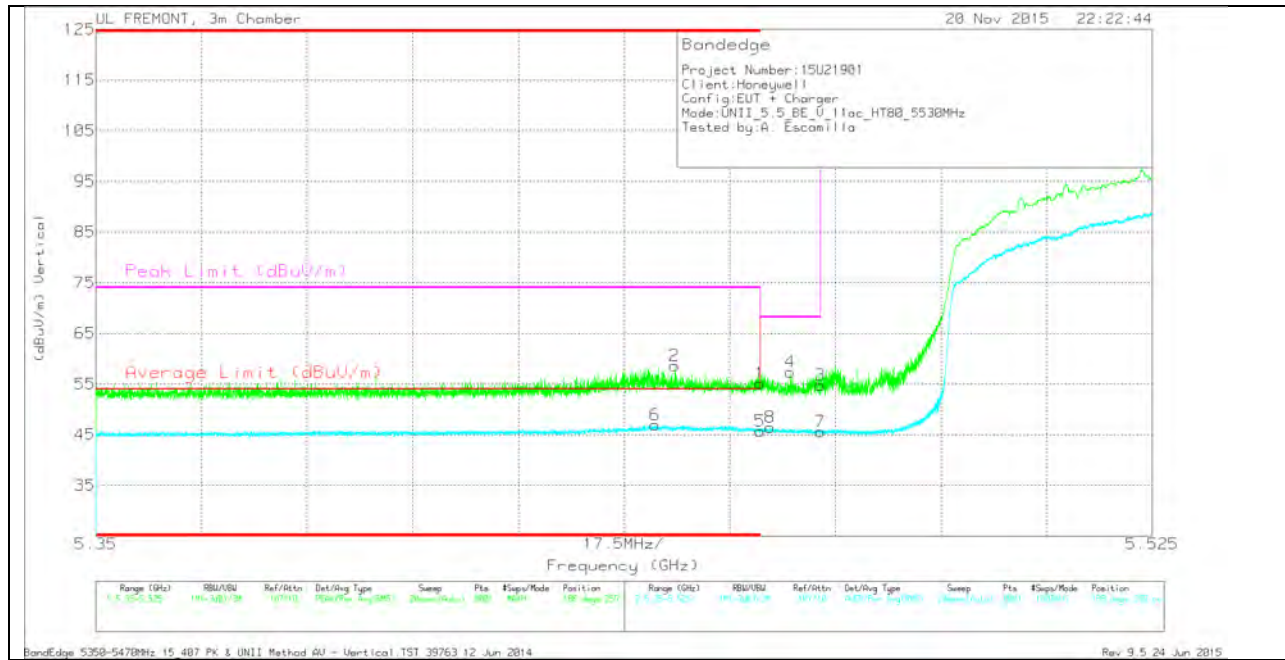
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AFT119 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.46	42.74	Pk	34.6	-19.9	0	57.44	-	-	74	-16.56	52	268	H
2	* 5.46	44.38	Pk	34.6	-19.9	0	59.08	-	-	74	-14.92	52	268	H
5	* 5.46	30.46	RMS	34.6	-19.9	1.47	46.63	54	-7.37	-	-	52	268	H
6	* 5.46	31.13	RMS	34.6	-19.9	1.47	47.3	54	-6.7	-	-	52	268	H
3	5.47	44.05	Pk	34.6	-19.9	0	58.75	-	-	68.2	-9.45	52	268	H
4	5.47	47.47	Pk	34.6	-19.9	0	62.17	-	-	68.2	-6.03	52	268	H
7	5.47	31.36	RMS	34.6	-19.9	1.47	47.53	-	-	-	-	52	268	H
8	5.47	32.25	RMS	34.6	-19.9	1.47	48.42	-	-	-	-	52	268	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Filt r/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 5.443	30.88	RMS	34.6	-20	1.47	46.95	54	-7.05	-	-	188	259	V
2	* 5.446	43.87	Pk	34.6	-19.9	0	58.57	-	-	74	-15.43	188	259	V
1	* 5.46	40.49	Pk	34.6	-19.9	0	55.19	-	-	74	-18.81	188	259	V
5	* 5.46	29.57	RMS	34.6	-19.9	1.47	45.74	54	-8.26	-	-	188	259	V
8	5.462	30.32	RMS	34.6	-19.9	1.47	46.49	-	-	-	-	188	259	V
4	5.465	42.7	Pk	34.6	-19.9	0	57.4	-	-	68.2	-10.8	188	259	V
3	5.47	40.06	Pk	34.6	-19.9	0	54.76	-	-	68.2	-13.44	188	259	V
7	5.47	29.35	RMS	34.6	-19.9	1.47	45.52	-	-	-	-	188	259	V

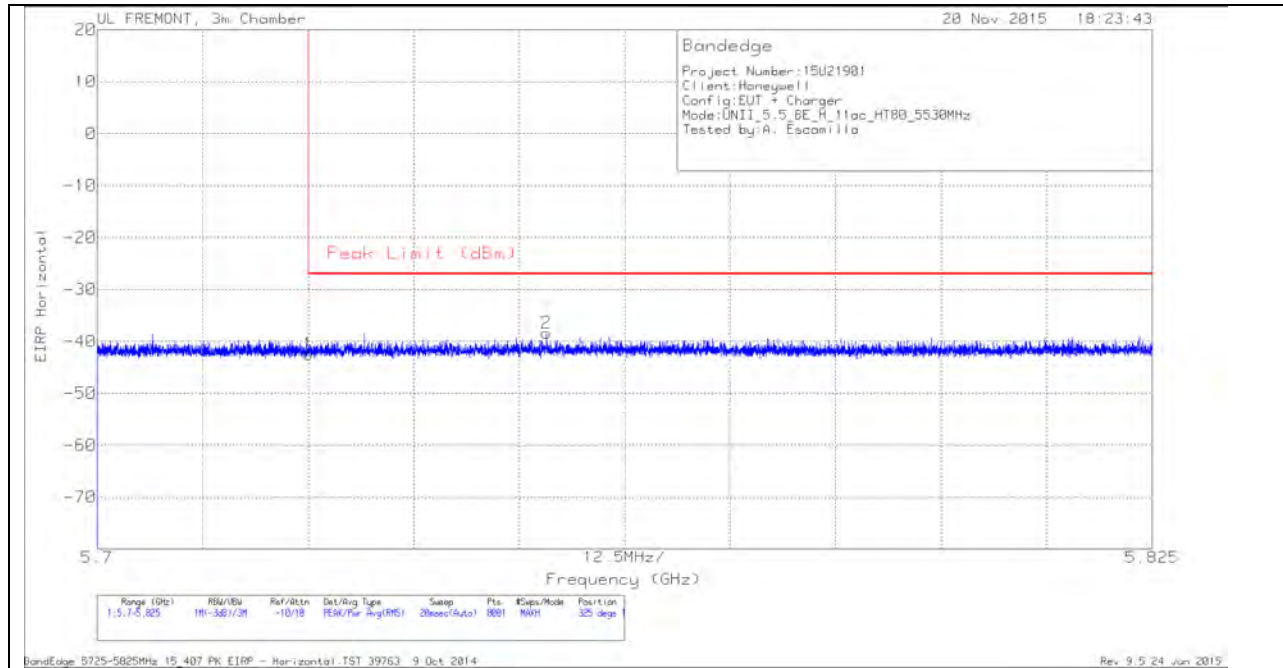
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Pk - Peak detector

RMS - RMS detection

RESTRICTED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT

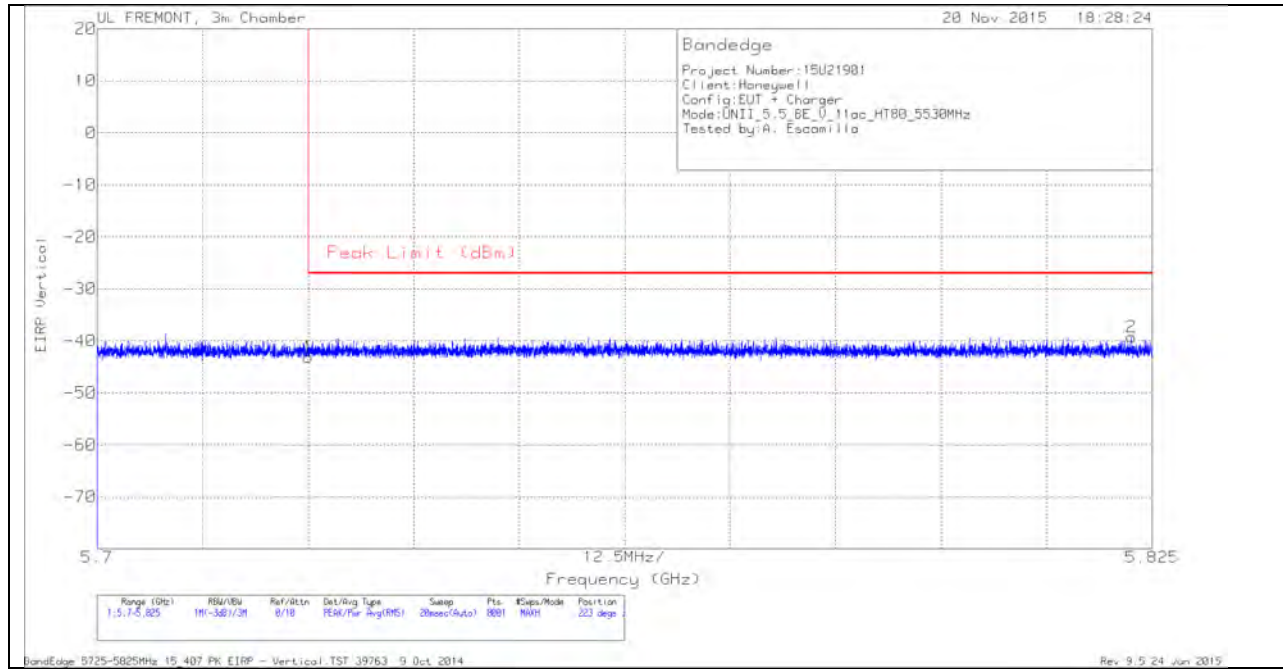


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-69.27	Pk	34.8	-19.8	11.8	-42.47	-27	-15.47	325	193	H
2	5.753	-65.17	Pk	34.8	-19.8	11.8	-38.37	-27	-11.37	325	193	H

Pk - Peak detector

VERTICAL PEAK PLOT



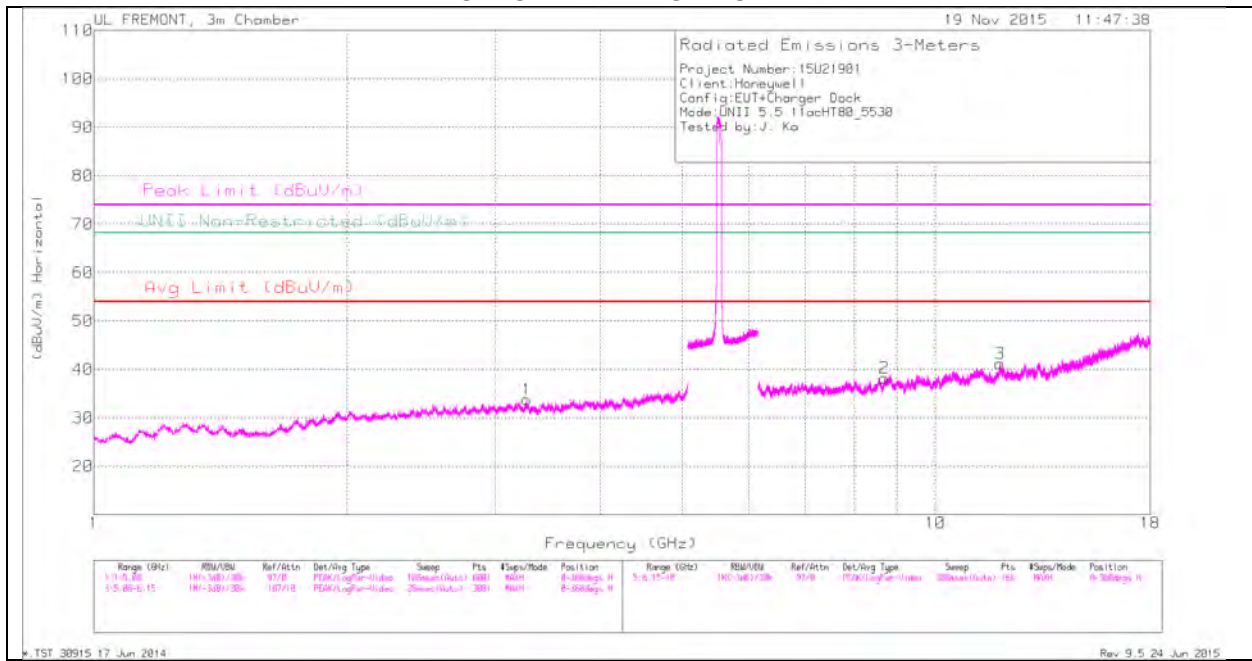
HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.725	-69.93	Pk	34.8	-19.8	11.8	-43.13	-27	-16.13	223	308	V
2	5.823	-66.17	Pk	34.9	-19.8	11.8	-39.27	-27	-12.27	223	308	V

Pk - Peak detector

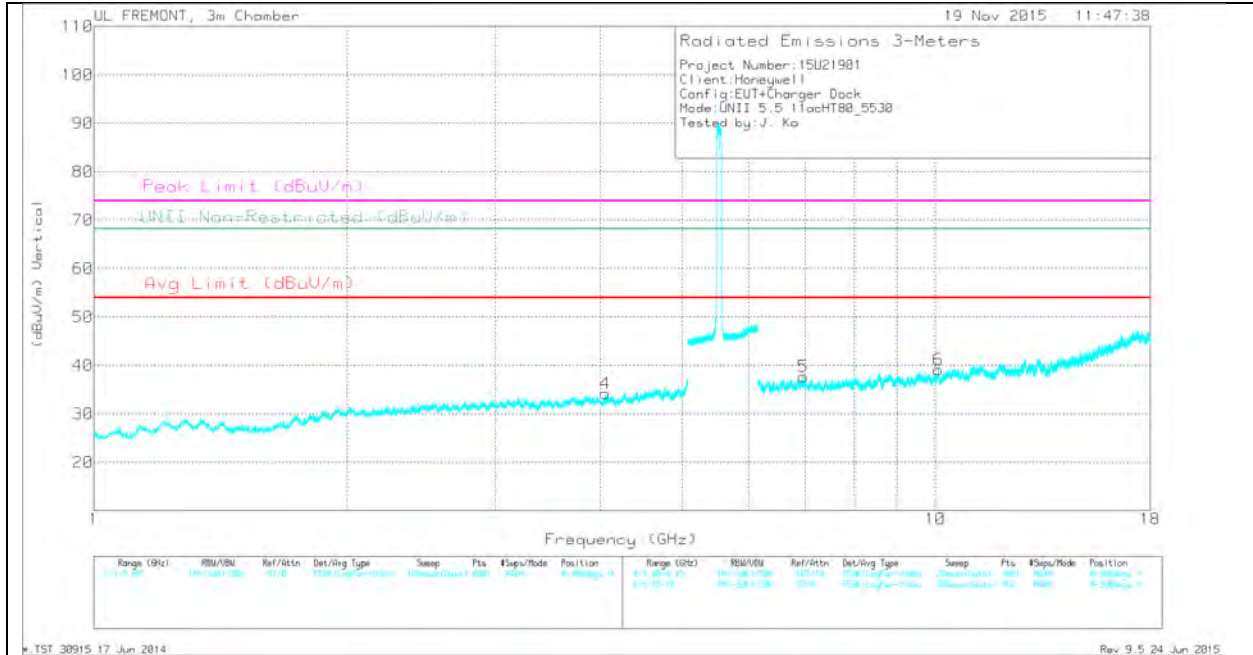
HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.271	31.98	Avg	32.6	-30.8	0	33.78	54	-20.22	-	-	-	-	0-360	100	H
4	4.055	30.81	Avg	33.3	-29.9	0	34.21	54	-19.79	-	-	-	-	0-360	200	V
5	6.967	29.01	Avg	35.6	-26.9	0	37.71	54	-16.29	-	-	-	-	0-360	100	V
2	8.69	28.44	Avg	35.9	-26.1	0	38.24	54	-15.76	-	-	-	-	0-360	100	H
6	10.073	24.53	Avg	37	-22.4	0	39.13	54	-14.87	-	-	-	-	0-360	100	V
3	11.937	25.57	Avg	39.1	-23.5	0	41.17	54	-12.83	-	-	-	-	0-360	100	H

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

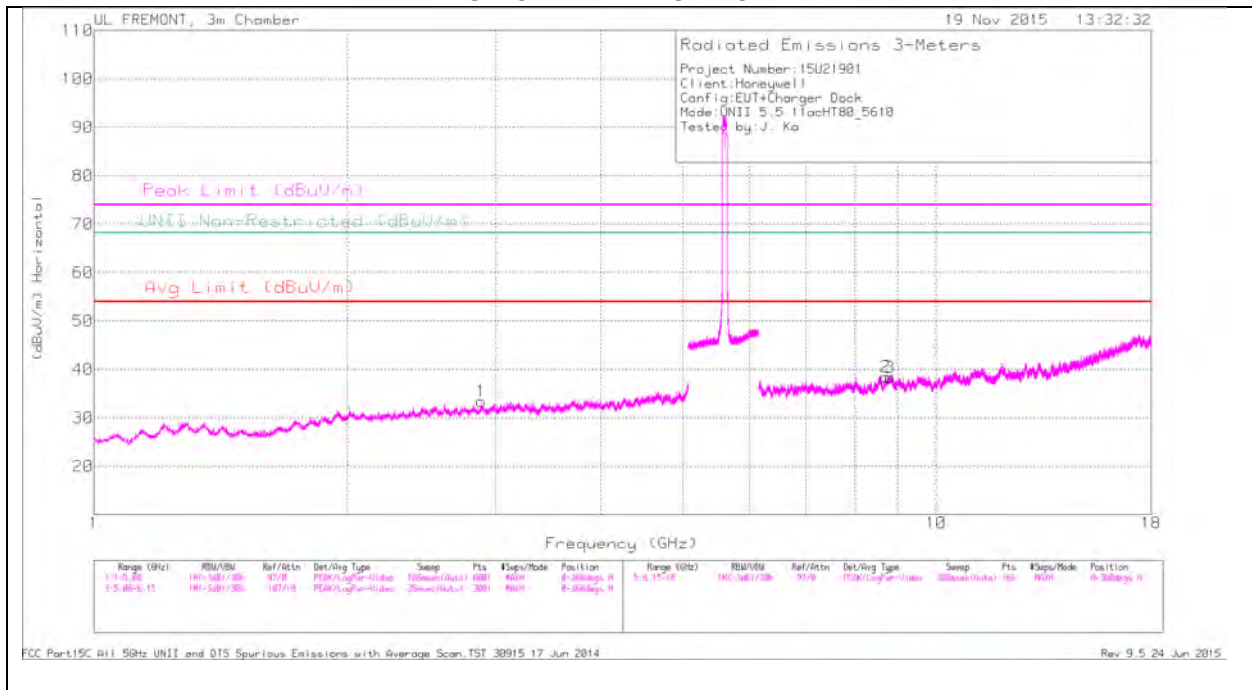
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.269	40.56	PK-U	32.6	-30.8	0	42.36	-	-	74	-31.64	68.2	-25.84	0	100	H
3.269	28.97	ADR	32.6	-30.8	1.47	32.24	-	-	-	-	-	-	0	100	H
4.054	28.39	ADR	33.3	-29.9	1.47	33.26	-	-	-	-	-	-	0	200	V
4.056	40.51	PK-U	33.3	-30	0	43.81	-	-	74	-30.19	68.2	-24.39	0	200	V
6.965	38.13	PK-U	35.6	-26.9	0	46.83	-	-	74	-27.17	68.2	-21.37	0	100	V
6.966	26.23	ADR	35.6	-26.9	1.47	36.4	-	-	-	-	-	-	0	100	V
8.688	37.23	PK-U	35.9	-26	0	47.13	-	-	74	-26.87	68.2	-21.07	0	100	V
8.692	25.37	ADR	35.9	-26.1	1.47	36.64	-	-	-	-	-	-	0	100	V
10.071	22.73	ADR	37	-22.4	1.47	38.8	-	-	-	-	-	-	0	100	V
10.072	34.27	PK-U	37	-22.4	0	48.87	-	-	74	-25.13	68.2	-19.33	0	100	V
11.936	34.76	PK-U	39.1	-23.5	0	50.36	-	-	74	-23.64	68.2	-17.84	0	100	H
11.938	22.44	ADR	39.1	-23.5	1.47	39.51	-	-	-	-	-	-	0	100	H

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

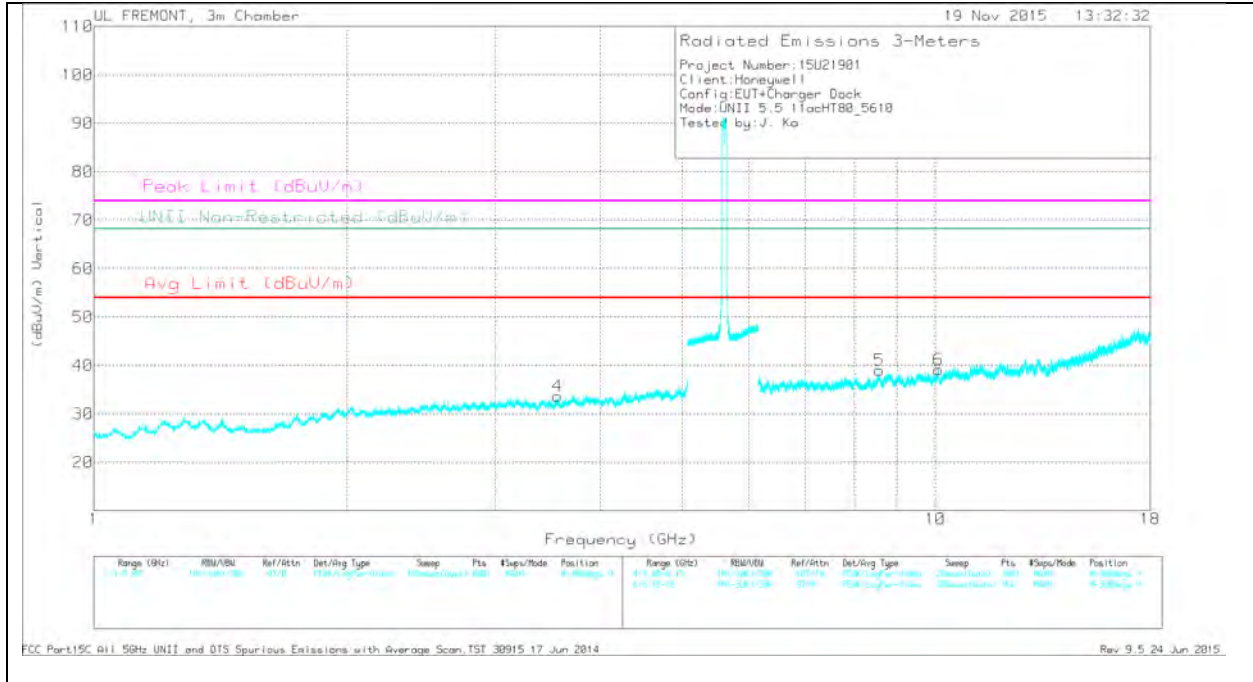
HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.885	32.27	Avg	32.6	-31.4	0	33.47	54	-20.53	-	-	-	-	0-360	200	H
4	3.558	31.66	Avg	32.8	-30.8	0	33.66	54	-20.34	-	-	-	-	0-360	100	V
5	8.576	27.45	Avg	35.8	-24.2	0	39.05	54	-14.95	-	-	-	-	0-360	100	V
2	8.706	28.61	Avg	35.9	-26	0	38.51	54	-15.49	-	-	-	-	0-360	100	H
3	8.812	26.25	Avg	35.9	-23.8	0	38.35	54	-15.65	-	-	-	-	0-360	200	H
6	10.081	24.68	Avg	37	-22.5	0	39.18	54	-14.82	-	-	-	-	0-360	100	V

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

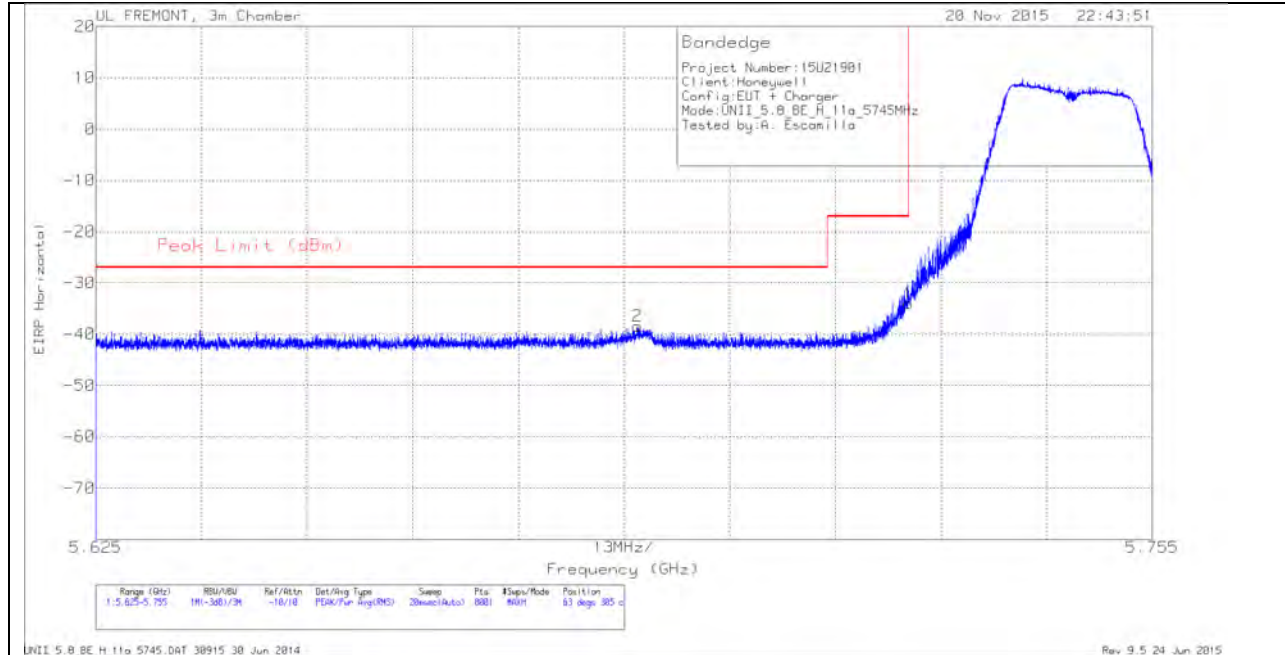
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.884	40.95	PK-U	32.6	-31.4	0	42.15	-	-	74	-31.85	68.2	-26.05	0	200	H
2.887	29.12	ADR	32.6	-31.4	1.47	31.79	-	-	-	-	-	-	0	200	H
3.557	40.31	PK-U	32.8	-30.8	0	42.31	-	-	74	-31.69	68.2	-25.89	0	100	V
3.56	28.36	ADR	32.8	-30.8	1.47	31.83	-	-	-	-	-	-	0	100	V
8.575	36.46	PK-U	35.8	-24.2	0	48.06	-	-	74	-25.94	68.2	-20.14	0	100	V
8.578	24.54	ADR	35.8	-24.2	1.47	37.61	-	-	-	-	-	-	0	100	V
8.708	37.62	PK-U	35.9	-26	0	47.52	-	-	74	-26.48	68.2	-20.68	0	100	H
8.708	25.5	ADR	35.9	-26	1.47	36.87	-	-	-	-	-	-	0	100	H
8.811	35.06	PK-U	35.9	-23.8	0	47.16	-	-	74	-26.84	68.2	-21.04	0	200	H
8.814	23.22	ADR	35.9	-23.8	1.47	36.79	-	-	-	-	-	-	0	200	H
10.079	22.63	ADR	37	-22.4	1.47	38.7	-	-	-	-	-	-	0	100	V
10.08	35.08	PK-U	37	-22.5	0	49.58	-	-	74	-24.42	68.2	-18.62	0	100	V
10.08	22.71	ADR	37	-22.5	1.47	38.68	-	-	-	-	-	-	0	100	V
10.081	34.66	PK-U	37	-22.5	0	49.16	-	-	74	-24.84	68.2	-19.04	0	100	V

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.4. 5.8 GHz

9.4.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS HORIZONTAL PEAK PLOT

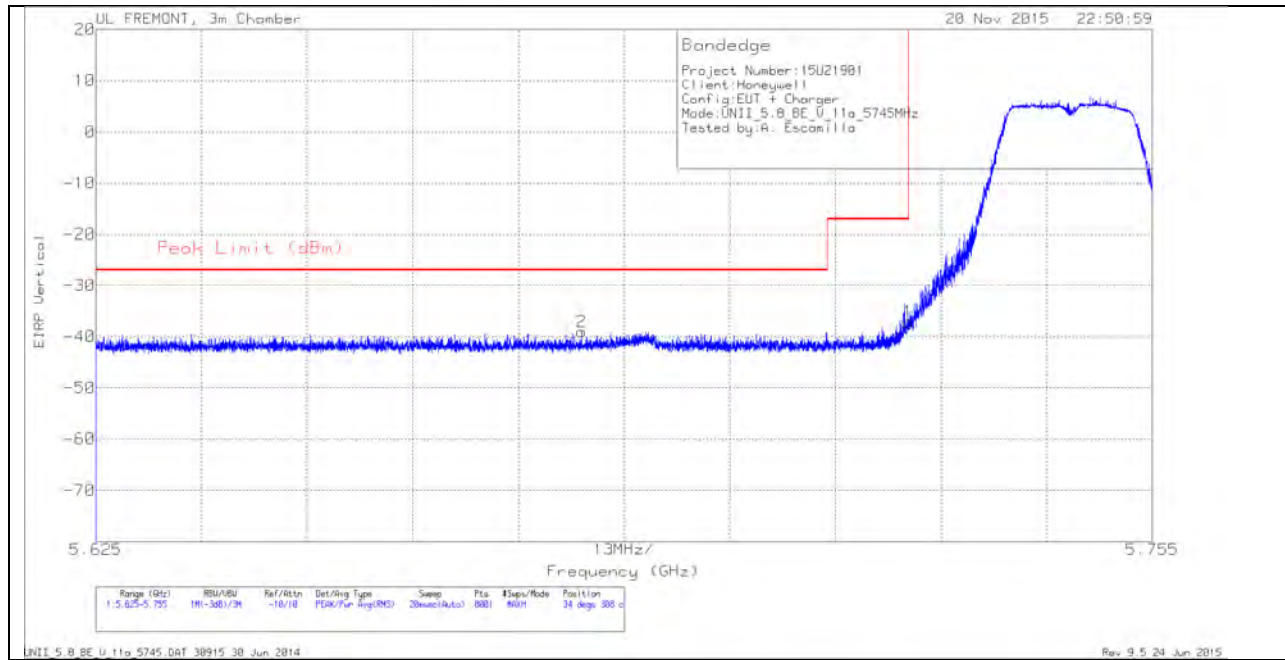


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.692	-65.23	Pk	34.7	-19.7	11.8	-38.43	-27	-11.43	63	305	H
1	5.725	-60.83	Pk	34.8	-19.8	11.8	-34.03	-17	-17.03	63	305	H

Pk - Peak detector

VERTICAL PEAK PLOT



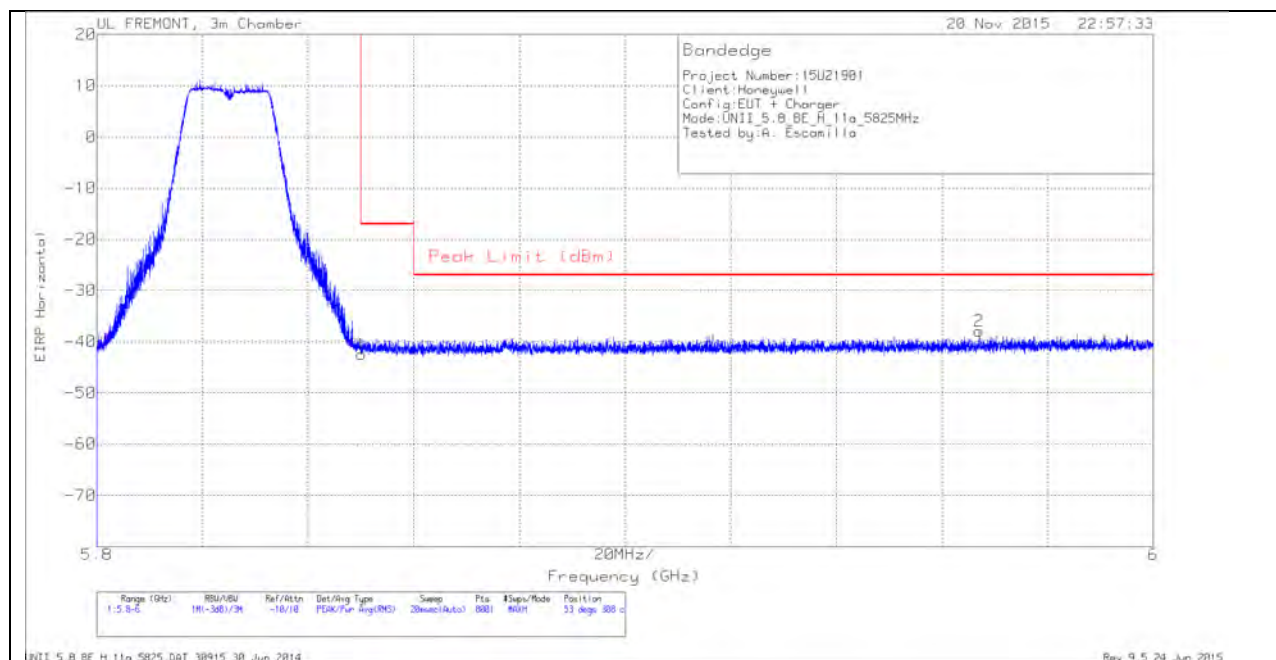
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.685	-65.77	Pk	34.7	-19.8	11.8	-39.07	-27	-12.07	34	308	V
1	5.725	-63.83	Pk	34.8	-19.8	11.8	-37.03	-17	-20.03	34	308	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT

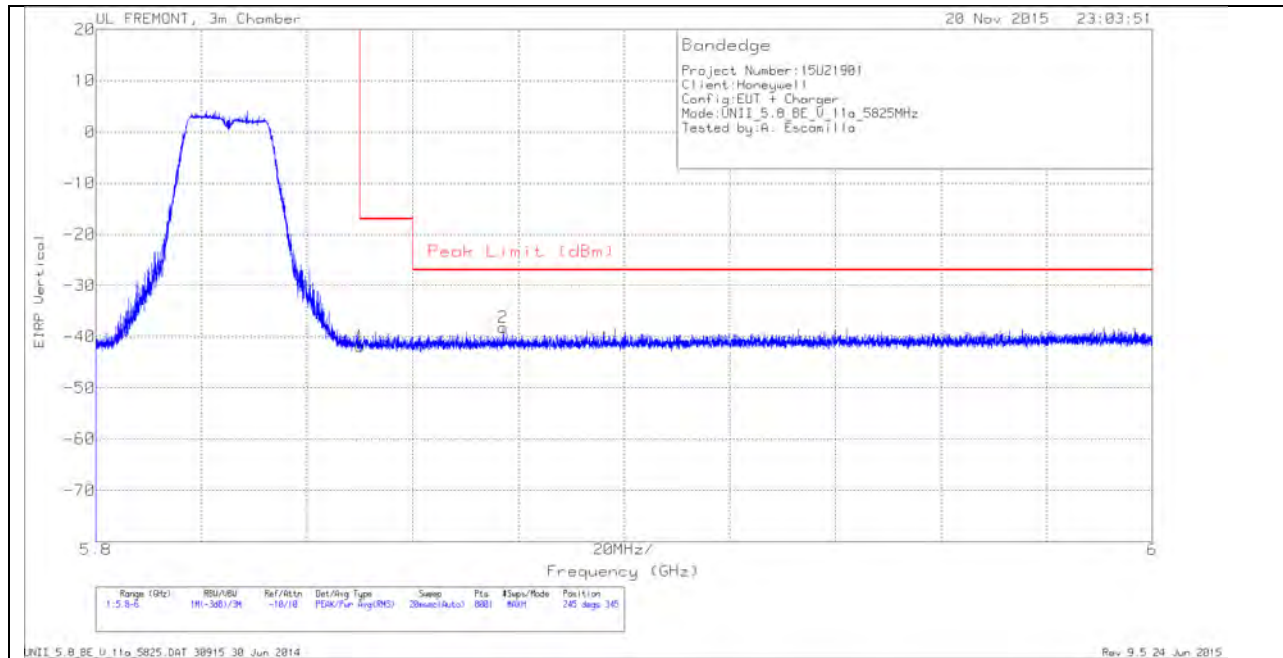


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-69.33	Pk	34.9	-19.8	11.8	-42.43	-17	-25.43	53	308	H
2	5.967	-65.49	Pk	35.1	-19.4	11.8	-37.99	-27	-10.99	53	308	H

Pk - Peak detector

VERTICAL PEAK PLOT

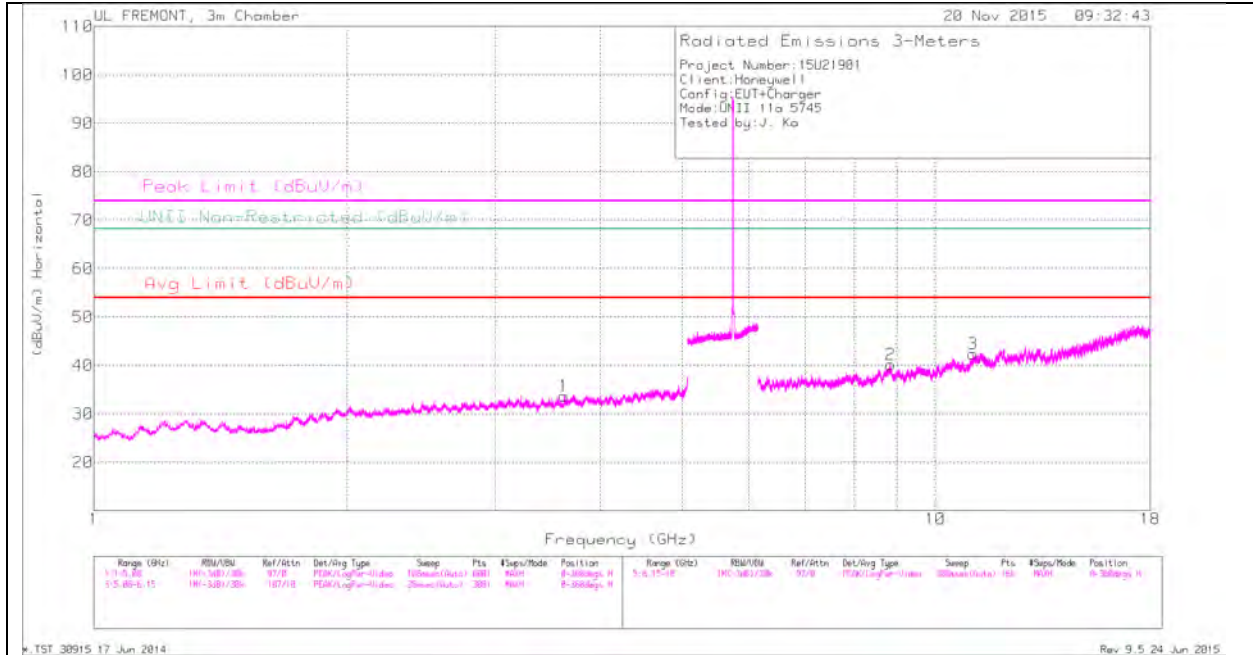


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.82	Pk	34.9	-19.8	11.8	-41.92	-17	-24.92	245	345	V
2	5.877	-65.28	Pk	35	-19.7	11.8	-38.18	-27	-11.18	245	345	V

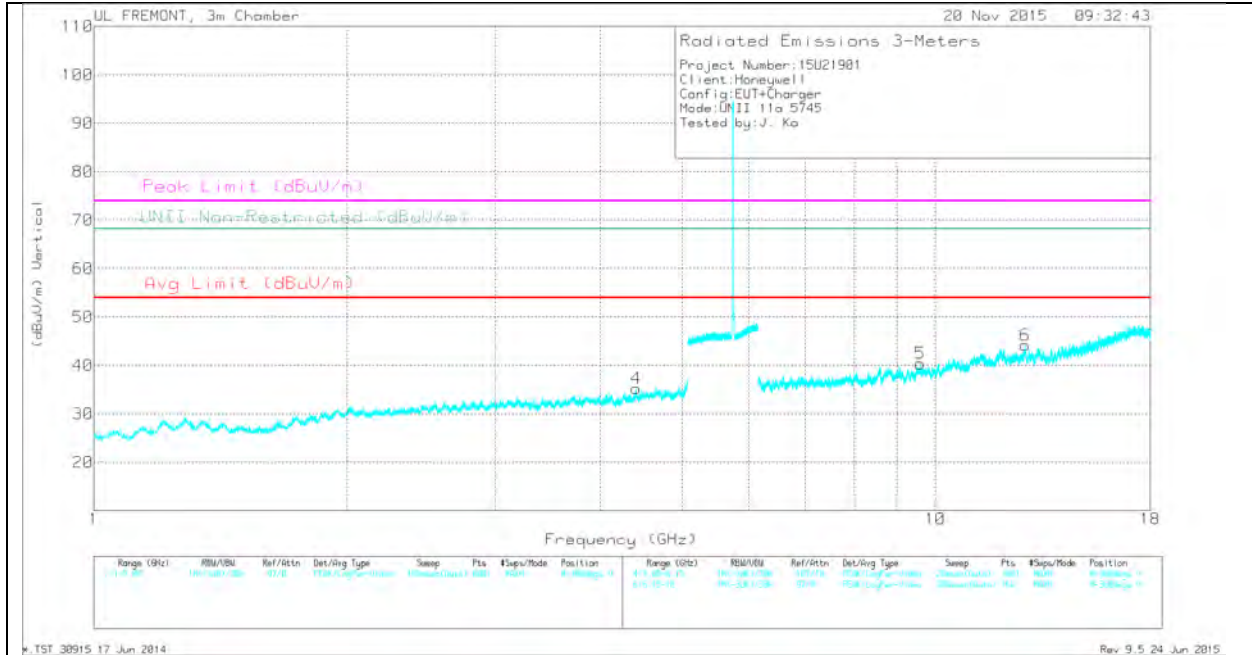
Pk - Peak detector

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.619	30.97	Avg	32.8	-30.1	0	33.67	54	-20.33	-	-	-	-	0-360	100	H
4	4.406	31.35	Avg	33.6	-29.7	0	35.25	54	-18.75	-	-	-	-	0-360	200	V
2	8.841	28.33	Avg	35.9	-24.1	0	40.13	54	-13.87	-	-	-	-	0-360	200	H
5	9.594	26.78	Avg	36.7	-23.1	0	40.38	54	-13.62	-	-	-	-	0-360	200	V
3	11.084	27.05	Avg	37.8	-22.5	0	42.35	54	-11.65	-	-	-	-	0-360	200	H
6	12.773	27.75	Avg	39.1	-22.7	0	44.15	54	-9.85	-	-	-	-	0-360	200	V

Avg - Video bandwidth < Resolution bandwidth

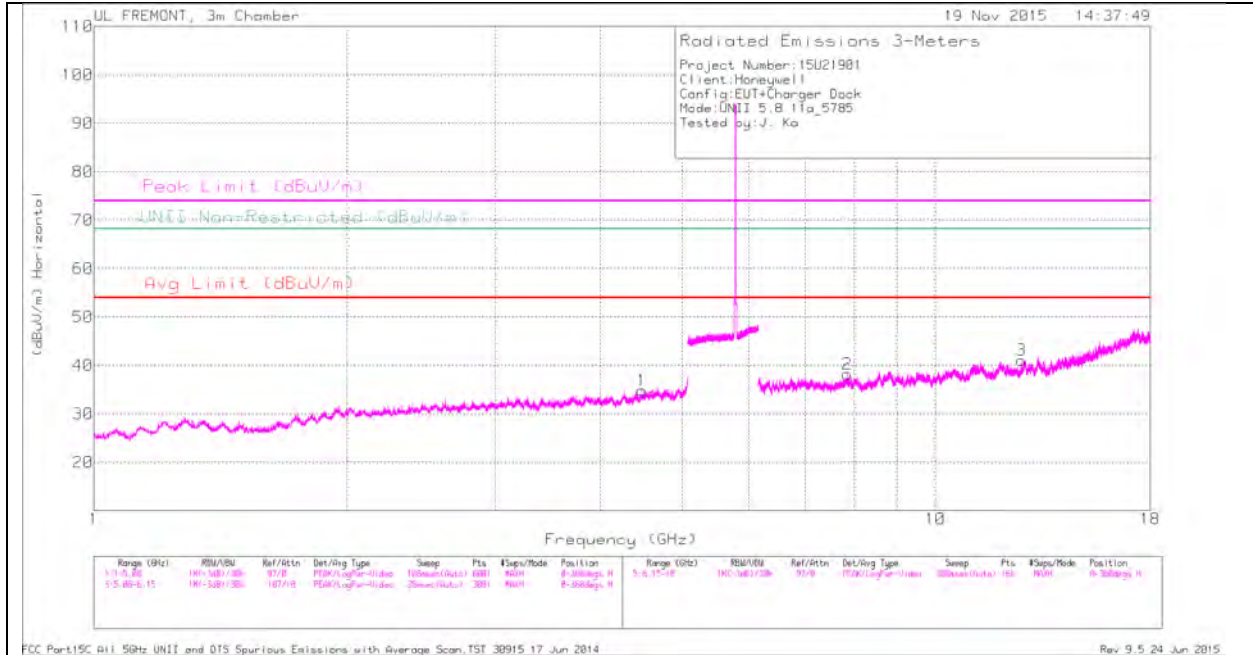
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3.62	40.45	PK-U	32.8	-30.1	0	43.15	-	-	74	-30.85	68.2	-25.05	360	100	H
3.621	28.15	ADR	32.8	-30.1	.21	31.06	-	-	-	-	-	-	360	100	H
4.405	28.48	ADR	33.6	-29.7	.21	32.59	-	-	-	-	-	-	360	200	V
4.406	40.03	PK-U	33.6	-29.7	0	43.93	-	-	74	-30.07	68.2	-24.27	360	200	V
8.843	36.59	PK-U	35.9	-24.2	0	48.29	-	-	74	-25.71	68.2	-19.91	360	200	H
8.843	24.94	ADR	35.9	-24.2	.21	36.85	-	-	-	-	-	-	360	200	H
9.595	35.32	PK-U	36.7	-23.1	0	48.92	-	-	74	-25.08	68.2	-19.28	360	200	V
9.595	23.54	ADR	36.7	-23.2	.21	37.25	-	-	-	-	-	-	360	200	V
11.084	23.95	ADR	37.8	-22.6	.21	39.36	-	-	-	-	-	-	360	200	H
11.086	36.24	PK-U	37.8	-22.5	0	51.54	-	-	74	-22.46	68.2	-16.66	360	200	H
12.773	25.27	ADR	39.1	-22.7	.21	41.88	-	-	-	-	-	-	360	200	V
12.775	37.35	PK-U	39.1	-22.7	0	53.75	-	-	74	-20.25	68.2	-14.45	360	200	V

PK-U - U-NII: Maximum Peak

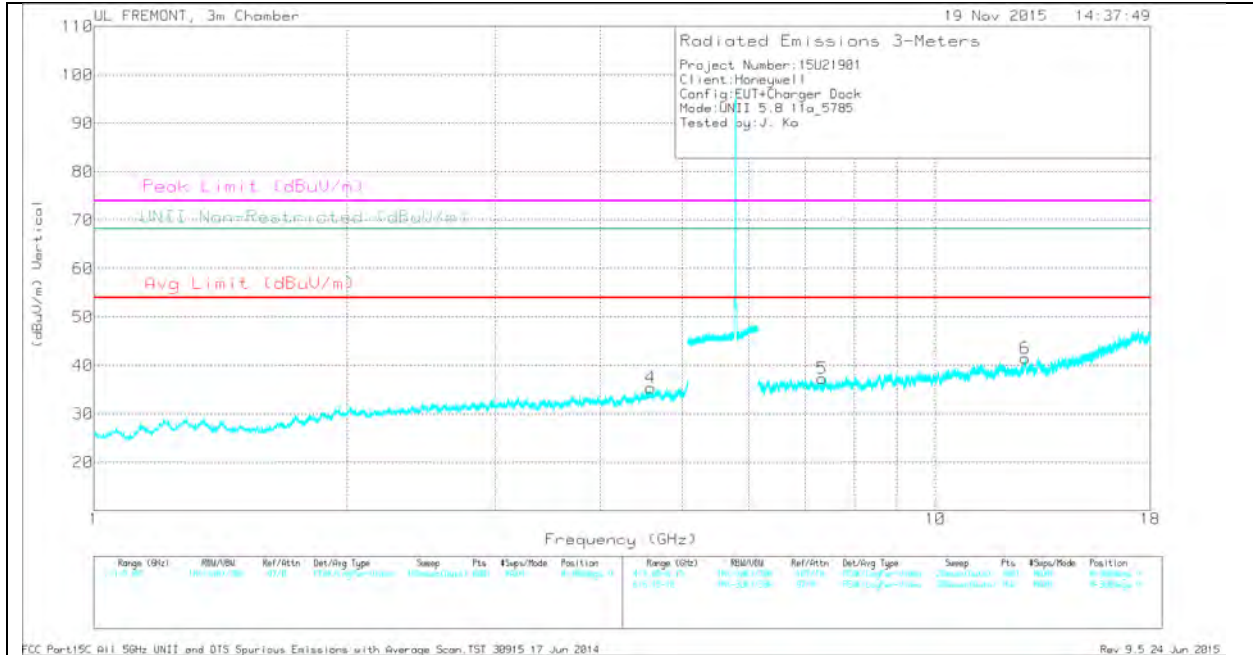
ADR - U-NII AD primary method, RMS average

MID CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.478	30.86	Avg	33.7	-29.7	0	34.86	54	-19.14	-	-	-	-	0-360	100	H
4	4.587	30.84	Avg	33.8	-29.2	0	35.44	54	-18.56	-	-	-	-	0-360	100	V
5	7.336	29.23	Avg	35.6	-27.5	0	37.33	54	-16.67	-	-	-	-	0-360	200	V
2	7.853	28.2	Avg	35.8	-25.8	0	38.2	54	-15.8	-	-	-	-	0-360	100	H
3	12.658	25.74	Avg	39.1	-23.8	0	41.04	54	-12.96	-	-	-	-	0-360	200	H
6	12.774	25.08	Avg	39.1	-22.7	0	41.48	54	-12.52	-	-	-	-	0-360	200	V

Avg - Video bandwidth < Resolution bandwidth

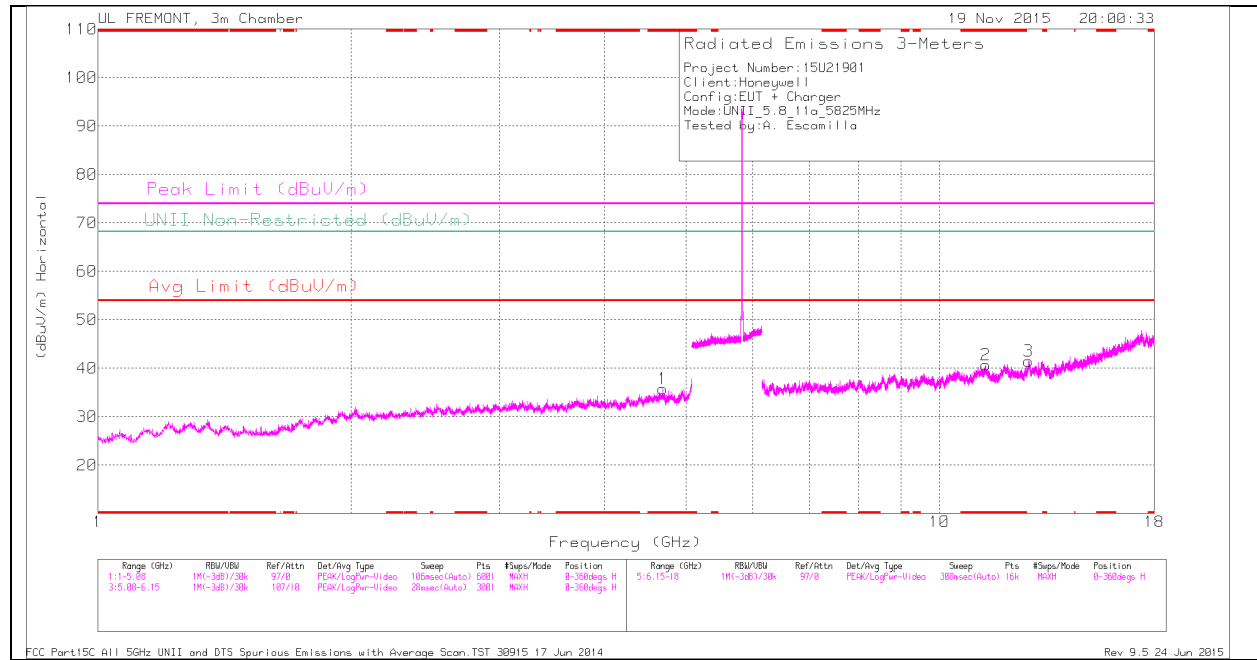
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4.476	40.24	PK-U	33.7	-29.7	0	44.24	-	-	74	-29.76	68.2	-23.96	1	100	H
4.479	27.92	ADR	33.7	-29.7	.21	32.13	-	-	-	-	-	-	1	100	H
4.586	28.03	ADR	33.8	-29.2	.21	32.84	-	-	-	-	-	-	1	100	V
4.588	39.94	PK-U	33.8	-29.2	0	44.54	-	-	74	-29.46	68.2	-23.66	1	100	V
7.336	26	ADR	35.6	-27.5	.21	34.31	-	-	-	-	-	-	1	200	V
7.337	37.93	PK-U	35.6	-27.5	0	46.03	-	-	74	-27.97	68.2	-22.17	1	200	V
7.853	36.69	PK-U	35.8	-25.8	0	46.69	-	-	74	-27.31	68.2	-21.51	1	100	H
7.853	36.45	PK-U	35.8	-25.8	0	46.45	-	-	74	-27.55	68.2	-21.75	1	100	H
7.855	24.98	ADR	35.8	-25.9	.21	35.09	-	-	-	-	-	-	1	100	H
7.855	24.93	ADR	35.8	-25.9	.21	35.04	-	-	-	-	-	-	1	100	H
12.657	34.37	PK-U	39.1	-23.8	0	49.67	-	-	74	-24.33	68.2	-18.53	1	200	H
12.657	22.64	ADR	39.1	-23.8	.21	38.15	-	-	-	-	-	-	1	200	H
12.776	34.52	PK-U	39.1	-22.7	0	50.92	-	-	74	-23.08	68.2	-17.28	1	200	V
12.776	22.58	ADR	39.1	-22.7	.21	39.19	-	-	-	-	-	-	1	200	V

PK-U - U-NII: Maximum Peak

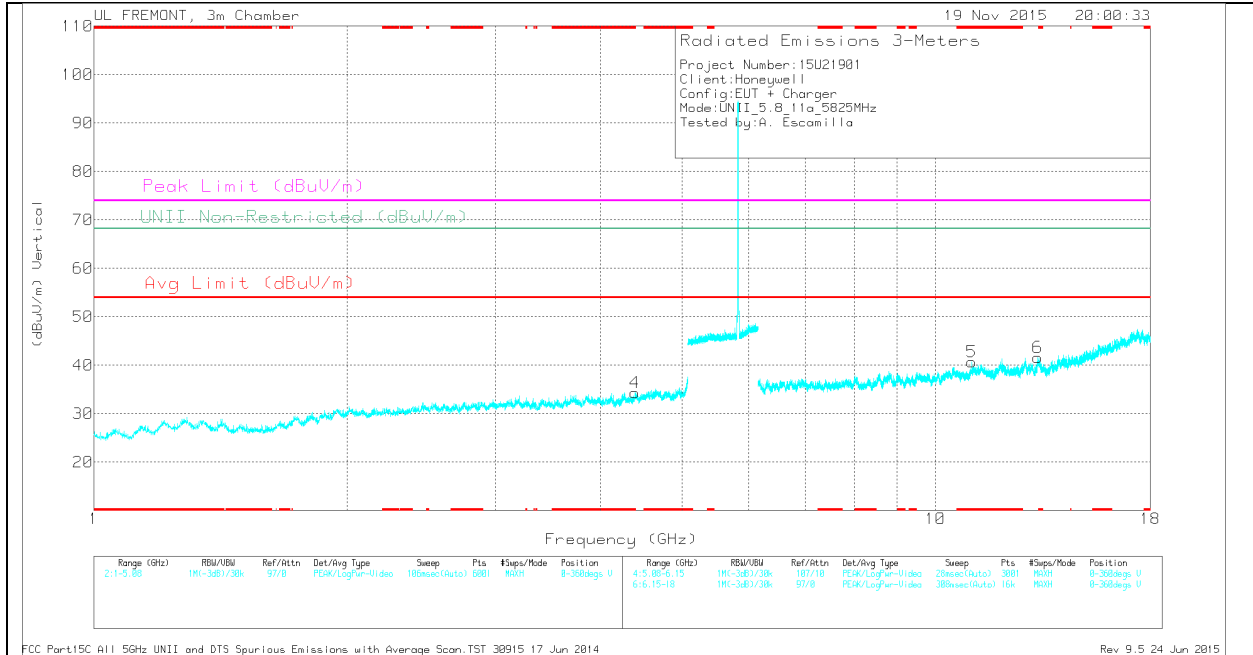
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.692	31.28	Avg	34	-29.5	0	35.78	54	-18.22	-	-	-	-	0-360	100	H
4	* 4.395	30.47	Avg	33.6	-29.7	0	34.37	54	-19.63	-	-	-	-	0-360	200	V
2	* 11.342	25.53	Avg	38.1	-22.9	0	40.73	54	-13.27	-	-	-	-	0-360	100	H
5	* 11.047	25.9	Avg	37.8	-23	0	40.7	54	-13.3	-	-	-	-	0-360	200	V
3	12.768	25.21	Avg	39.1	-22.8	0	41.51	54	-12.49	-	-	-	-	0-360	100	H
6	13.218	25.73	Avg	39	-23.1	0	41.63	54	-12.37	-	-	-	-	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

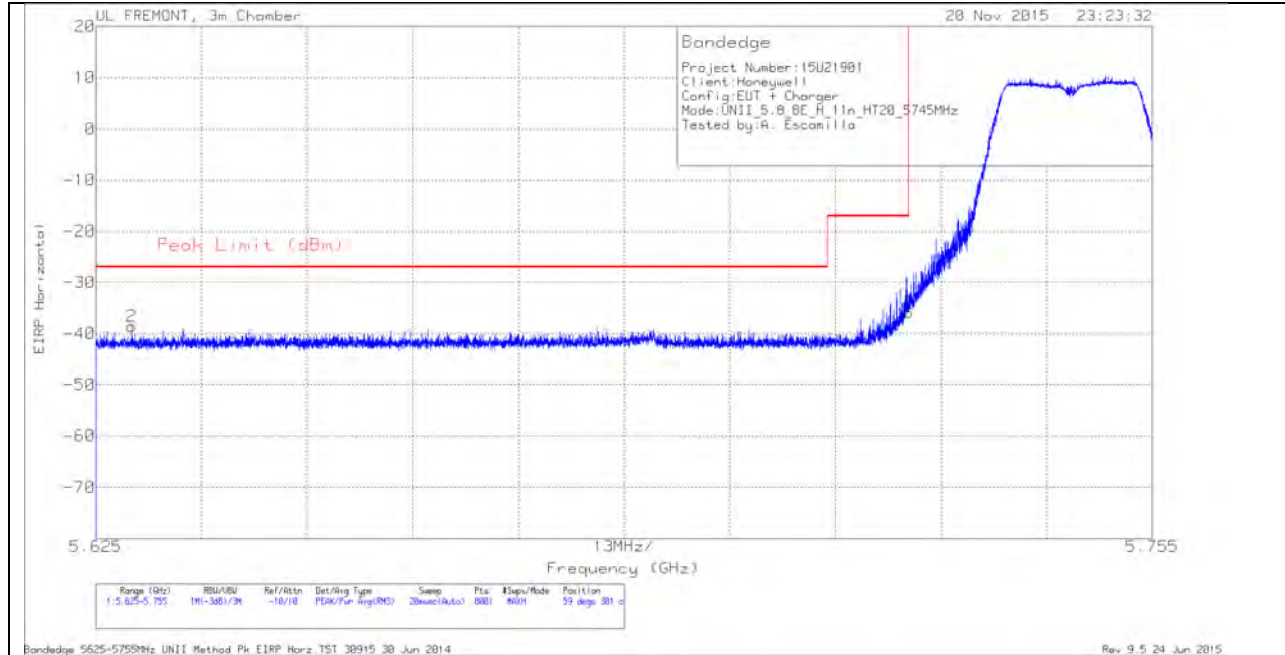
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.693	39.77	PK-U	34	-29.5	0	44.27	-	-	74	-29.73	68.2	-23.93	327	204	H
* 4.692	27.99	ADR	34	-29.5	.21	32.7	54	-21.3	-	-	-	-	327	204	H
* 4.394	39.87	PK-U	33.6	-29.7	0	43.77	-	-	74	-30.23	68.2	-24.43	206	249	V
* 4.396	28.04	ADR	33.6	-29.7	.21	32.15	54	-21.85	-	-	-	-	206	249	V
* 11.344	33.83	PK-U	38.1	-23	0	48.93	-	-	74	-25.07	68.2	-19.27	168	224	H
* 11.344	22.41	ADR	38.1	-23	.21	37.72	54	-16.28	-	-	-	-	168	224	H
* 11.048	34.48	PK-U	37.8	-23	0	49.28	-	-	74	-24.72	68.2	-18.92	118	223	V
* 11.048	22.46	ADR	37.8	-23	.21	37.47	54	-16.53	-	-	-	-	118	223	V
12.766	34.71	PK-U	39.1	-22.8	0	51.01	-	-	74	-22.99	68.2	-17.19	188	179	H
12.769	22.86	ADR	39.1	-22.7	.21	39.47	-	-	-	-	-	-	188	179	H
13.216	35.57	PK-U	39	-23.1	0	51.47	-	-	74	-22.53	68.2	-16.73	35	172	V
13.22	23.48	ADR	39	-23.1	.21	39.59	-	-	-	-	-	-	35	172	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

**9.4.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND
HARMONICS AND SPURIOUS EMISSIONS
HORIZONTAL PEAK PLOT**

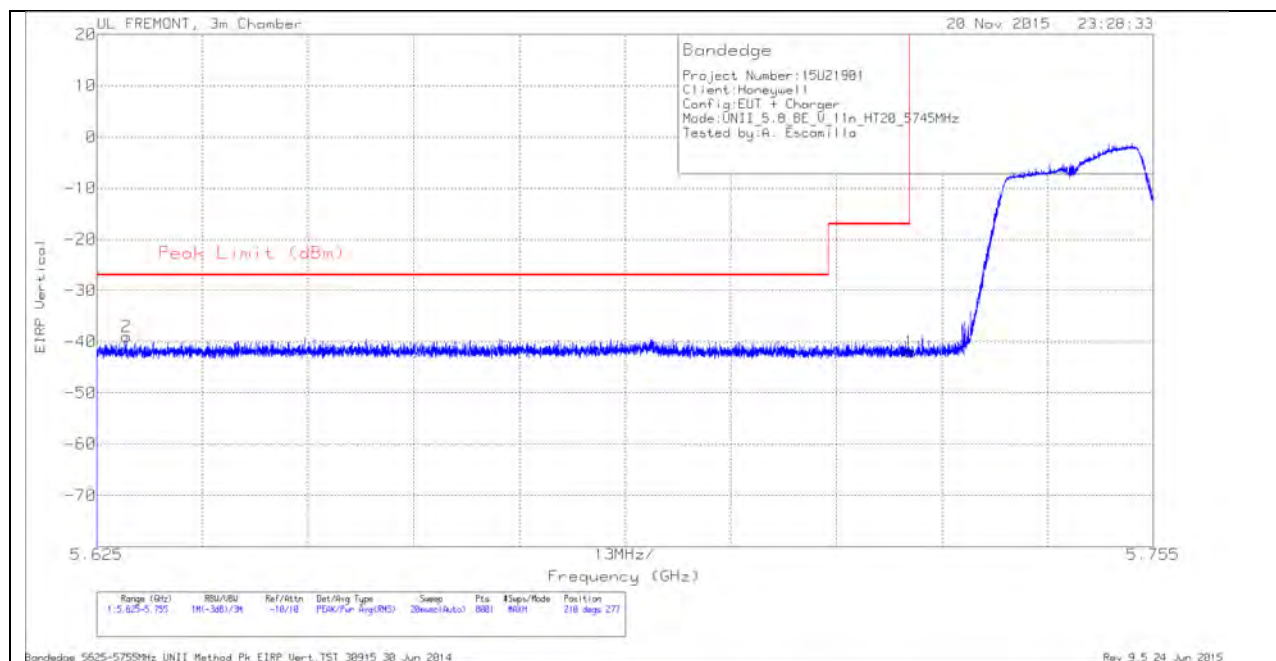


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.629	-65.35	Pk	34.7	-19.7	11.8	-38.55	-27	-11.55	59	301	H
1	5.725	-62.7	Pk	34.8	-19.8	11.8	-35.9	-17	-18.9	59	301	H

Pk - Peak detector

VERTICAL PEAK PLOT



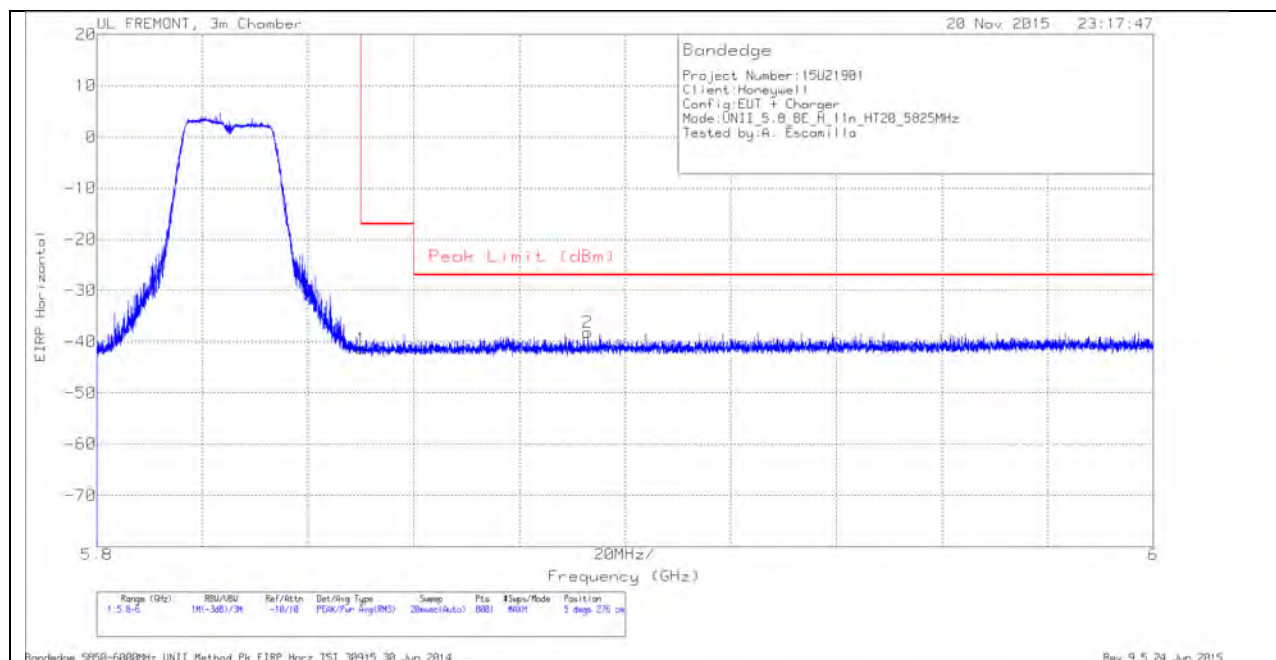
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.629	-65.8	Pk	34.7	-19.7	11.8	-39	-27	-12	210	277	V
1	5.725	-68.75	Pk	34.8	-19.8	11.8	-41.95	-17	-24.95	210	277	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT

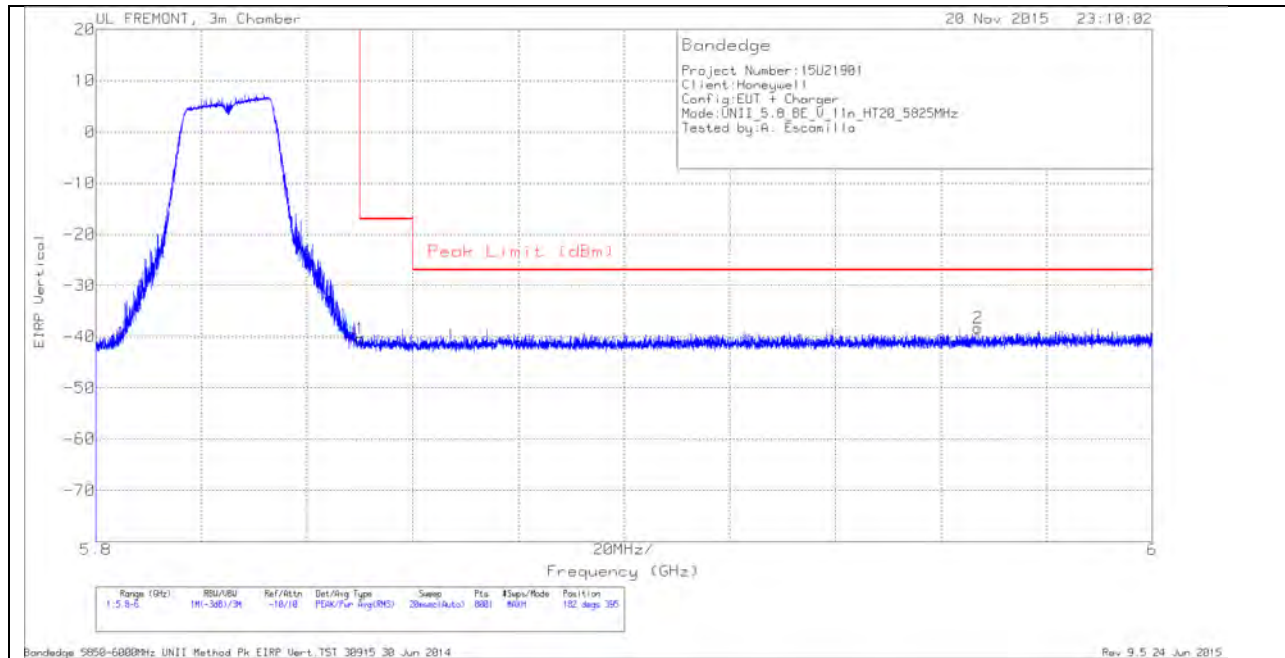


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.22	Pk	34.9	-19.8	11.8	-41.32	-17	-24.32	5	276	H
2	5.893	-65.39	Pk	35	-19.6	11.8	-38.19	-27	-11.19	5	276	H

Pk - Peak detector

VERTICAL PEAK PLOT

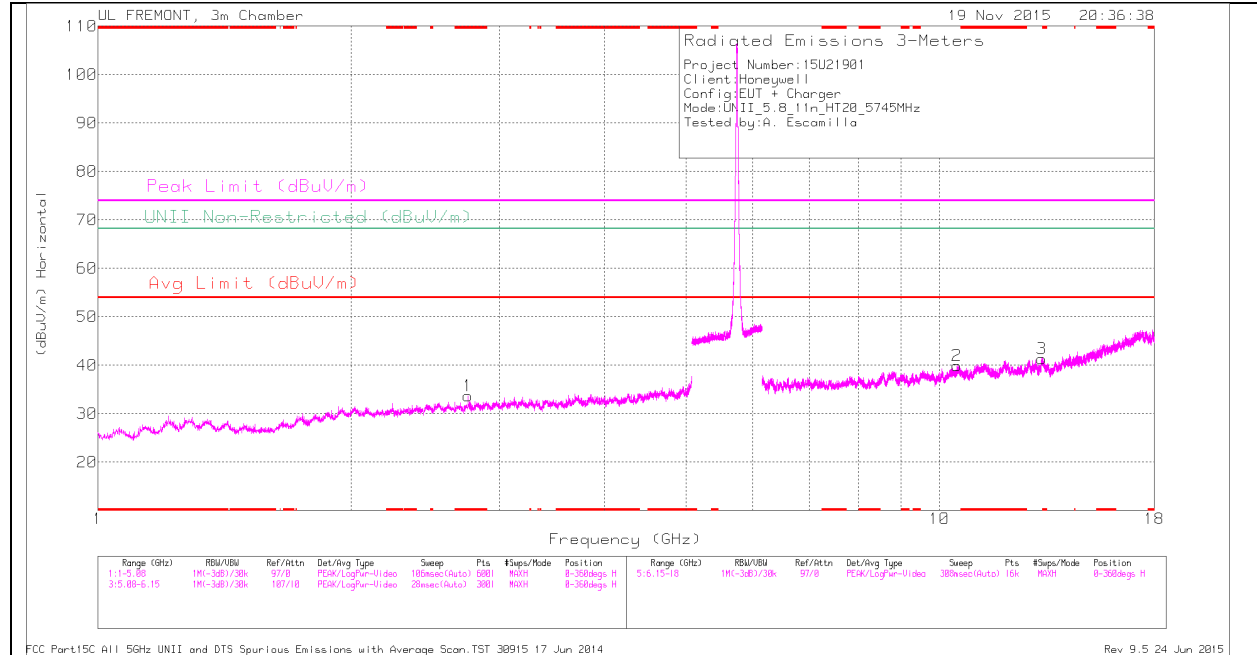


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.31	Pk	34.9	-19.8	11.8	-40.41	-17	-23.41	182	395	V
2	5.967	-65.85	Pk	35.1	-19.4	11.8	-38.35	-27	-11.35	182	395	V

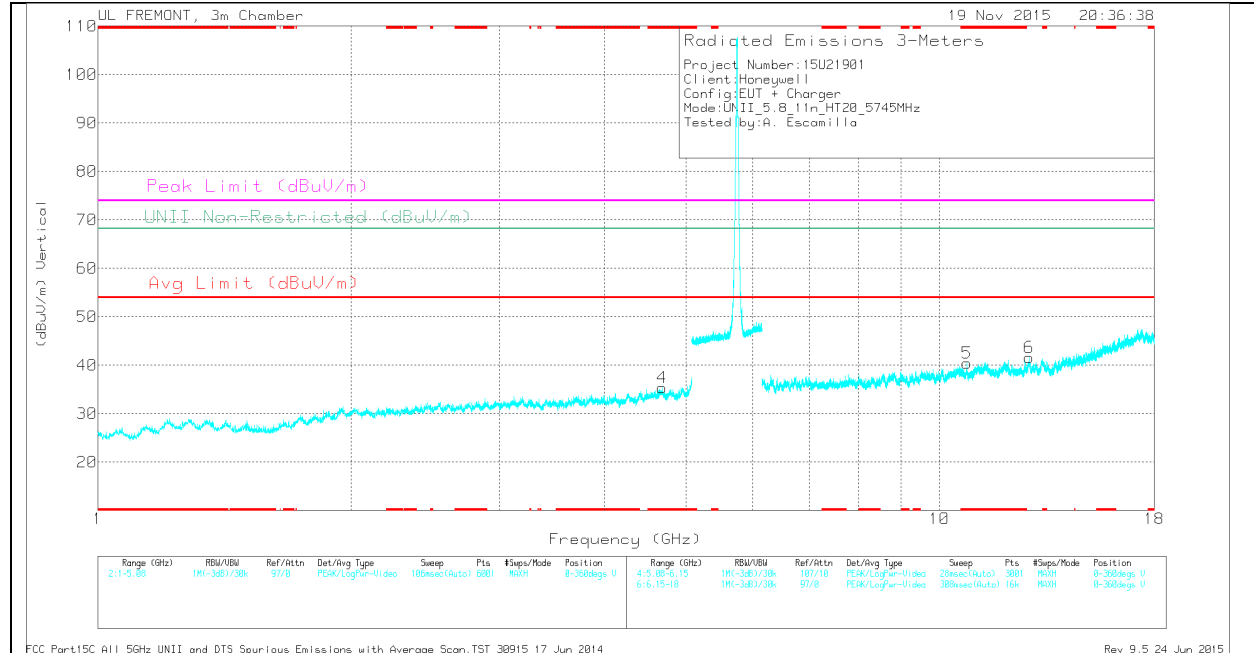
Pk - Peak detector

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.754	32.35	Avg	32.5	-31.2	0	33.65	54	-20.35	-	-	-	-	0-360	100	H
4	* 4.679	30.82	Avg	34	-29.4	0	35.42	54	-18.58	-	-	-	-	0-360	100	V
5	* 10.779	25.39	Avg	37.9	-22.8	0	40.49	54	-13.51	-	-	-	-	0-360	100	V
2	10.488	25.73	Avg	37.4	-23.2	0	39.93	54	-14.07	-	-	-	-	0-360	100	H
6	12.78	25.13	Avg	39.1	-22.6	0	41.63	54	-12.37	-	-	-	-	0-360	200	V
3	13.228	25.21	Avg	39	-22.9	0	41.31	54	-12.69	-	-	-	-	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

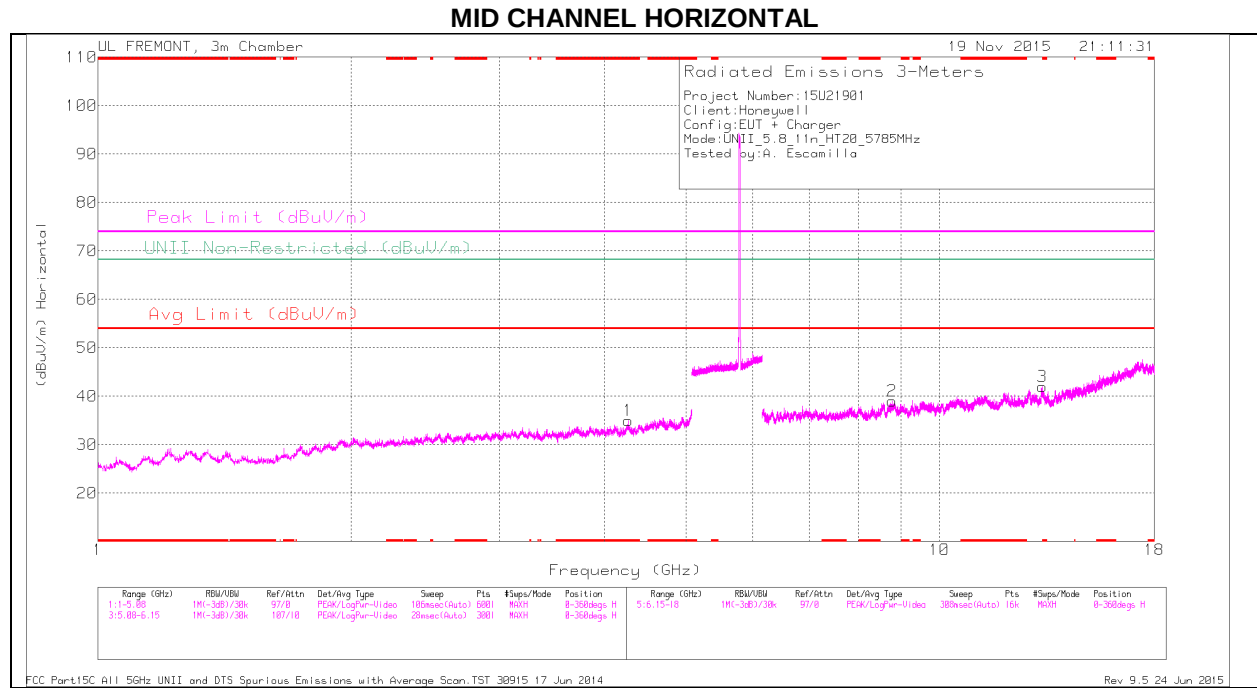
Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.754	40.76	PK-U	32.5	-31.2	0	42.06	-	-	74	-31.94	68.2	-26.14	37	183	H
* 2.755	29.21	ADR	32.5	-31.2	.22	30.73	54	-23.27	-	-	-	-	37	183	H
* 4.68	39.91	PK-U	34	-29.4	0	44.51	-	-	74	-29.49	68.2	-23.69	80	129	V
* 4.681	28.13	ADR	34	-29.4	.22	32.95	54	-21.05	-	-	-	-	80	129	V
* 10.778	34.5	PK-U	37.9	-22.8	0	49.6	-	-	74	-24.4	68.2	-18.6	336	116	V
* 10.778	22.84	ADR	37.9	-22.8	.22	38.16	54	-15.84	-	-	-	-	336	116	V
10.488	34.56	PK-U	37.4	-23.2	0	48.76	-	-	74	-25.24	68.2	-19.44	183	251	H
10.489	22.81	ADR	37.4	-23.2	.22	37.23	-	-	-	-	-	-	183	251	H
12.778	22.66	ADR	39.1	-22.6	.22	39.38	-	-	-	-	-	-	294	169	V
12.782	34.23	PK-U	39.1	-22.6	0	50.73	-	-	74	-23.27	68.2	-17.47	294	169	V
13.228	35.23	PK-U	39	-22.9	0	51.33	-	-	74	-22.67	68.2	-16.87	148	202	H
13.228	23.27	ADR	39	-22.9	.22	39.59	-	-	-	-	-	-	148	202	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

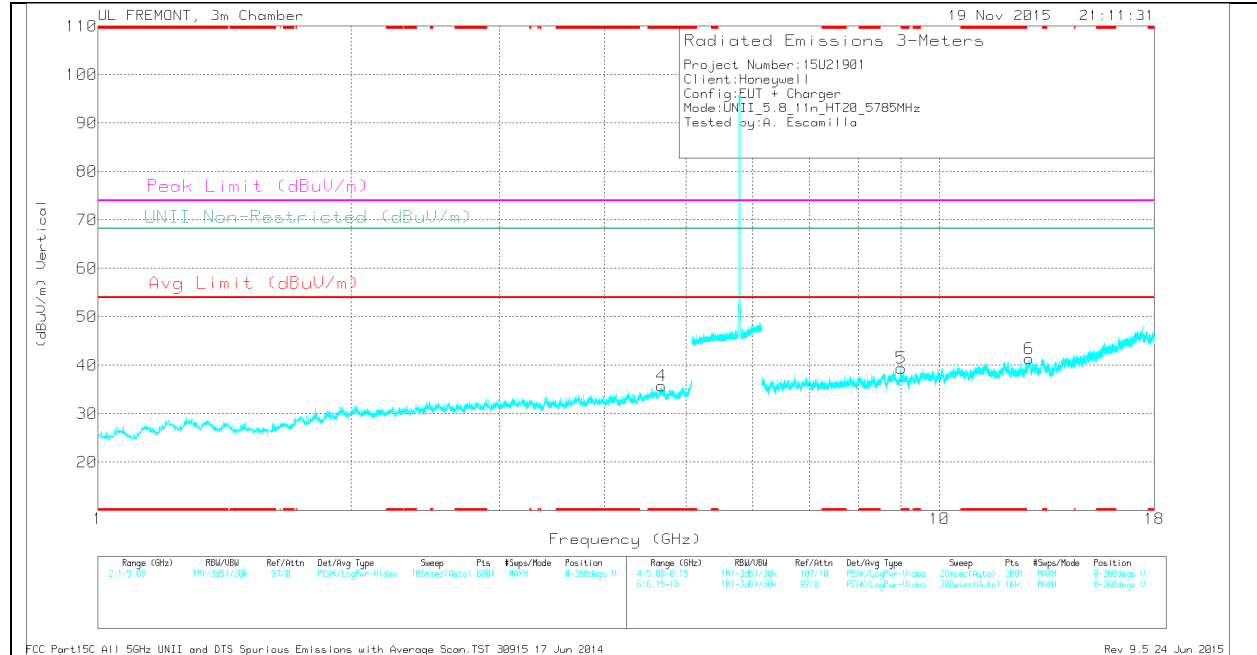
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

MID CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.268	30.83	Avg	33.4	-29.3	0	34.93	54	-19.07	-	-	-	-	0-360	100	H
4	* 4.674	31.07	Avg	34	-29.3	0	35.77	54	-18.23	-	-	-	-	0-360	100	V
3	* 13.256	26.04	Avg	39	-23	0	42.04	54	-11.96	-	-	-	-	0-360	100	H
5	* 9.007	27.27	Avg	36	-23.9	0	39.37	54	-14.63	-	-	-	-	0-360	100	V
2	8.786	26.77	Avg	35.9	-23.7	0	38.97	54	-15.03	-	-	-	-	0-360	200	H
6	12.78	24.88	Avg	39.1	-22.6	0	41.38	54	-12.62	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

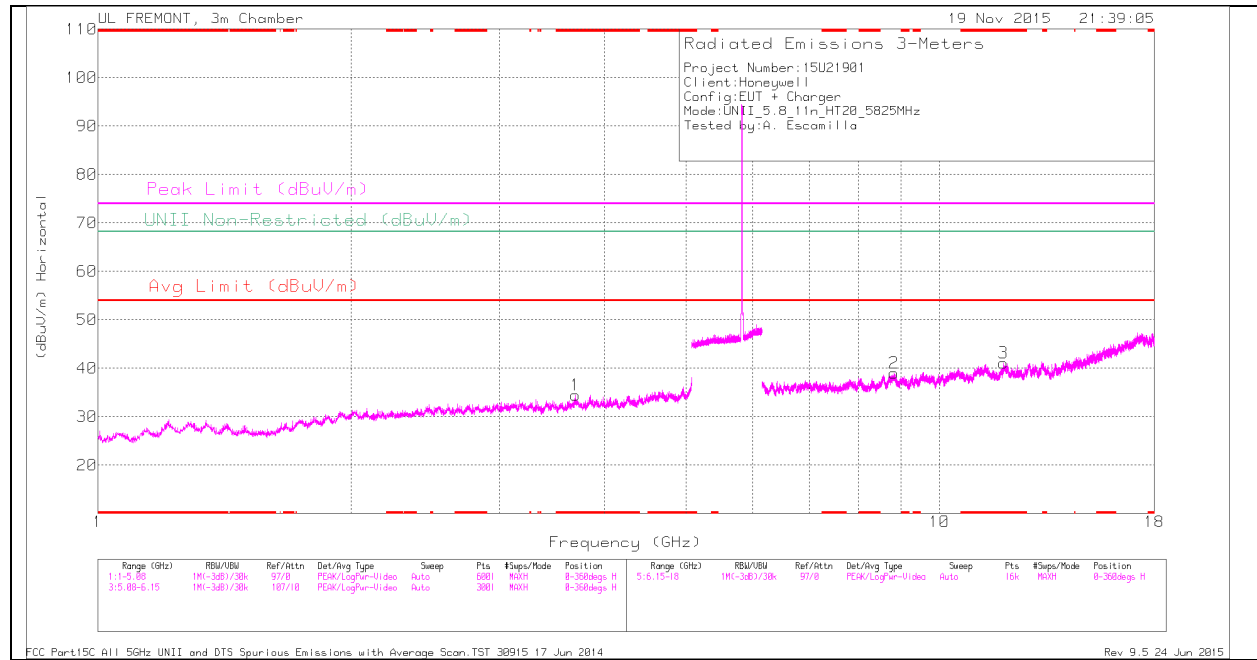
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.268	40.56	PK-U	33.4	-29.3	0	44.66	-	-	74	-29.34	68.2	-23.54	331	154	H
* 4.267	28.06	ADR	33.4	-29.3	.22	32.38	54	-21.62	-	-	-	-	331	154	H
* 4.672	39.77	PK-U	34	-29.2	0	44.57	-	-	74	-29.43	68.2	-23.63	284	228	V
* 4.674	28.13	ADR	34	-29.3	.22	33.05	54	-20.95	-	-	-	-	284	228	V
* 13.258	34.76	PK-U	39	-23	0	50.76	-	-	74	-23.24	68.2	-17.44	177	246	H
* 13.258	23.28	ADR	39	-23	.22	39.5	54	-14.5	-	-	-	-	177	246	H
* 9.007	35.65	PK-U	36	-23.9	0	47.75	-	-	74	-26.25	68.2	-20.45	202	209	V
* 9.007	24.11	ADR	36	-23.9	.22	36.43	54	-17.57	-	-	-	-	202	209	V
8.787	35.62	PK-U	35.9	-23.7	0	47.82	-	-	74	-26.18	68.2	-20.38	210	243	H
8.787	23.55	ADR	35.9	-23.7	.22	35.97	-	-	-	-	-	-	210	243	H
12.781	23.01	ADR	39.1	-22.6	.22	39.73	-	-	-	-	-	-	111	175	V
12.782	34.4	PK-U	39.1	-22.6	0	50.9	-	-	74	-23.1	68.2	-17.3	111	175	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

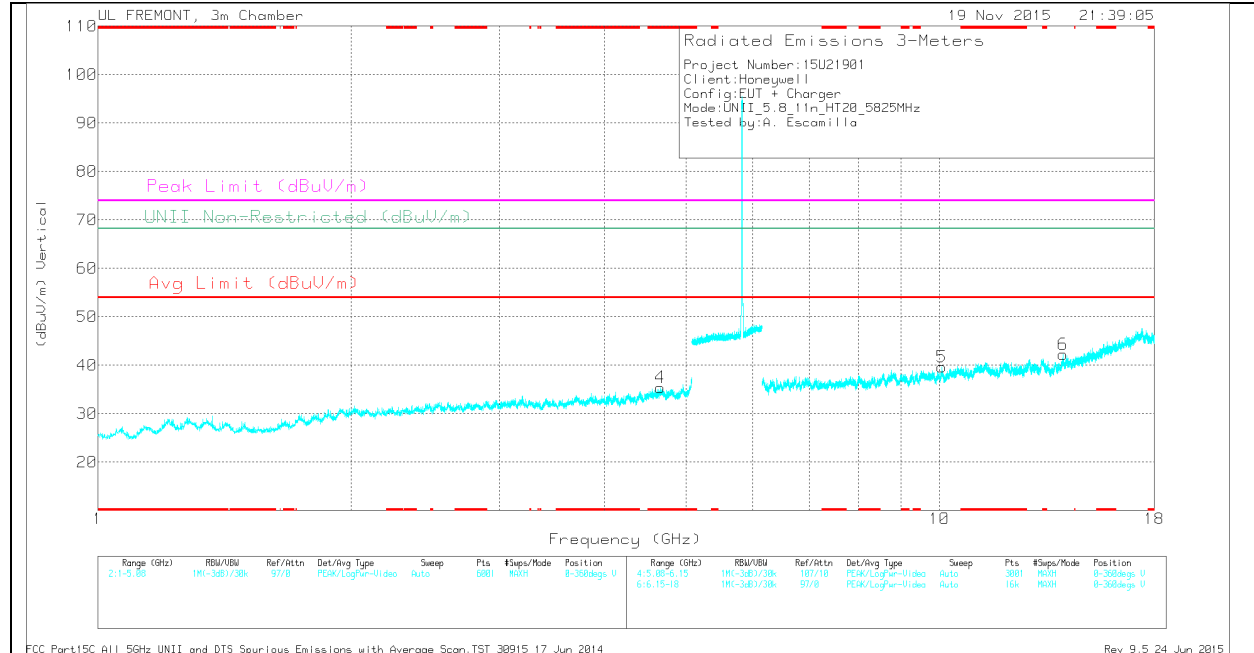
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.692	31.14	Avg	33	-29.7	0	34.44	54	-19.56	-	-	-	-	0-360	100	H
4	* 4.655	30.64	Avg	34	-29.2	0	35.44	54	-18.56	-	-	-	-	0-360	100	V
3	* 11.918	25.63	Avg	39.1	-23.6	0	41.13	54	-12.87	-	-	-	-	0-360	100	H
2	8.835	27.27	Avg	35.9	-24.1	0	39.07	54	-14.93	-	-	-	-	0-360	100	H
5	10.068	25.1	Avg	37	-22.4	0	39.7	54	-14.3	-	-	-	-	0-360	100	V
6	14.036	27.73	Avg	38.9	-24.4	0	42.23	54	-11.77	-	-	-	-	0-360	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

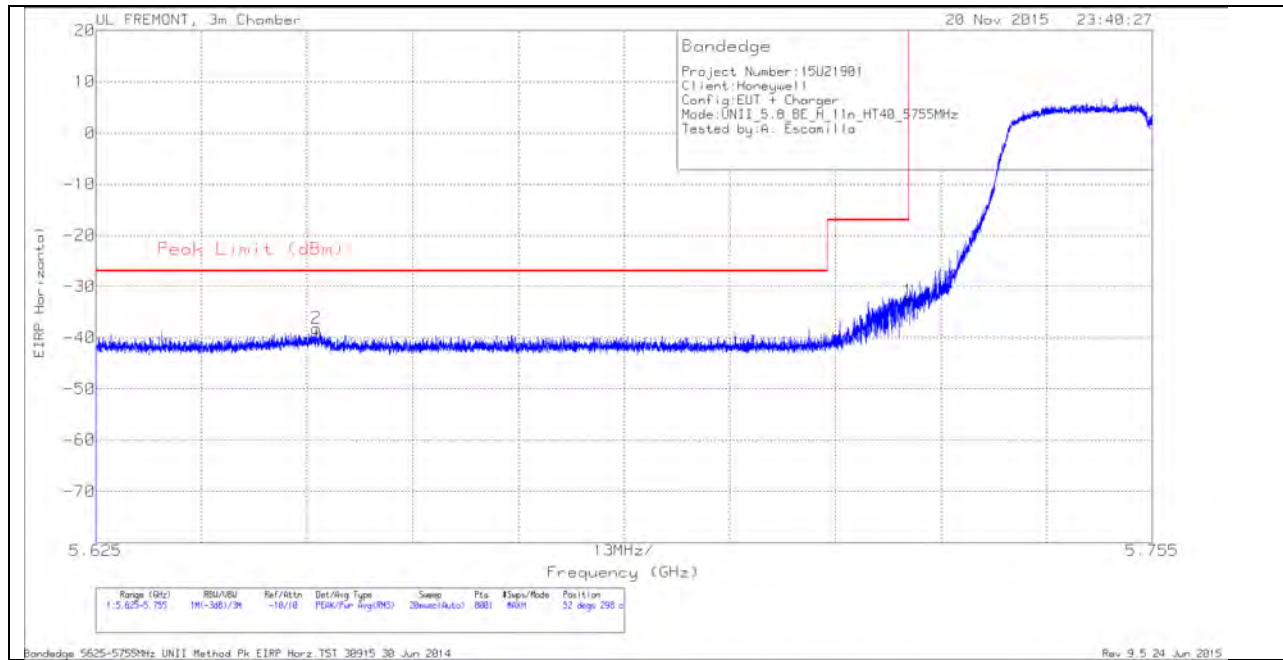
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Chl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.692	39.95	PK-U	33	-29.7	0	43.25	-	-	74	-30.75	68.2	-24.95	44	128	H
* 3.69	28.12	ADR	33	-29.7	.22	31.64	54	-21.36	-	-	-	-	44	128	H
* 4.656	40.77	PK-U	34	-29.2	0	45.57	-	-	74	-28.43	68.2	-22.63	108	209	V
* 4.654	28.1	ADR	34	-29.2	.22	33.12	54	-20.88	-	-	-	-	108	209	V
* 11.919	35.98	PK-U	39.1	-23.5	0	51.58	-	-	74	-22.42	68.2	-16.62	169	307	H
* 11.918	24.42	ADR	39.1	-23.6	.22	40.14	54	-13.86	-	-	-	-	169	307	H
8.837	36.07	PK-U	35.9	-24.1	0	47.87	-	-	74	-26.13	68.2	-20.33	68	144	H
8.837	24.58	ADR	35.9	-24.1	.22	36.6	-	-	-	-	-	-	68	144	H
10.068	34.73	PK-U	37	-22.4	0	49.33	-	-	74	-24.67	68.2	-18.87	199	270	V
10.068	22.78	ADR	37	-22.4	.22	37.6	-	-	-	-	-	-	199	270	V
14.034	36.72	PK-U	38.9	-24.4	0	51.22	-	-	74	-22.78	68.2	-16.98	110	162	V
14.035	25.01	ADR	38.9	-24.4	.22	39.73	-	-	-	-	-	-	110	162	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.4.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS HORIZONTAL PEAK PLOT

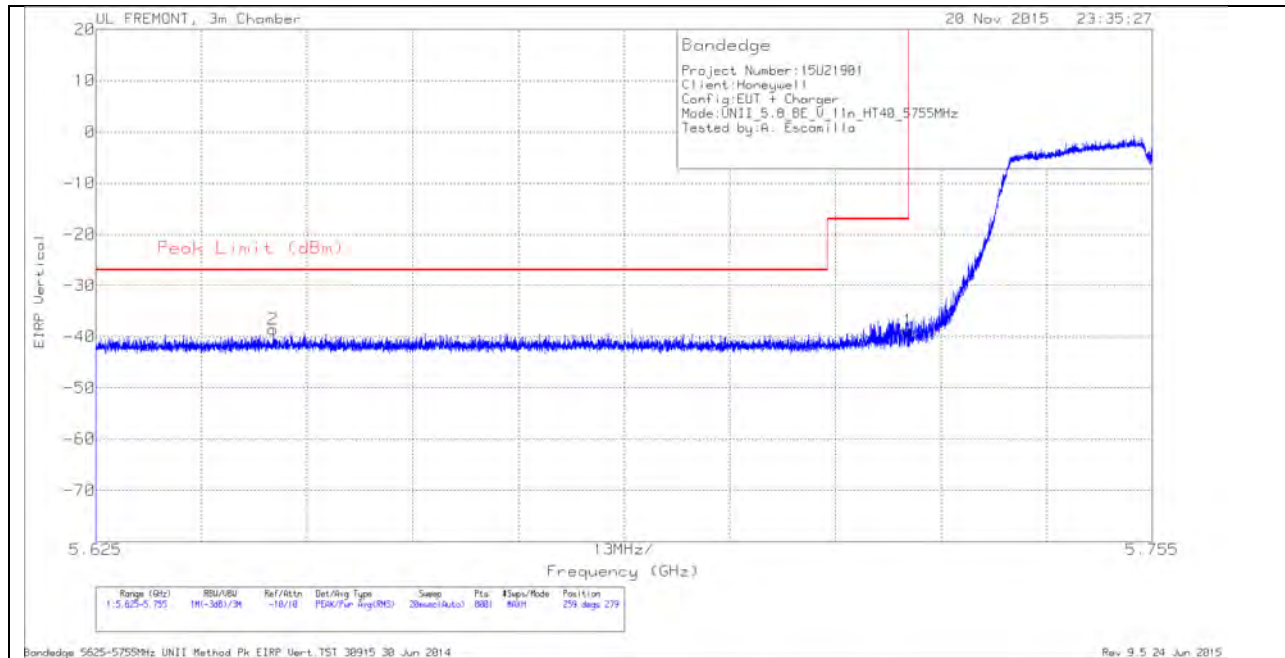


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.652	-64.92	Pk	34.7	-19.7	11.8	-38.12	-27	-11.12	52	298	H
1	5.725	-59.62	Pk	34.8	-19.8	11.8	-32.82	-17	-15.82	52	298	H

Pk - Peak detector

VERTICAL PEAK AND AVERAGE PLOT



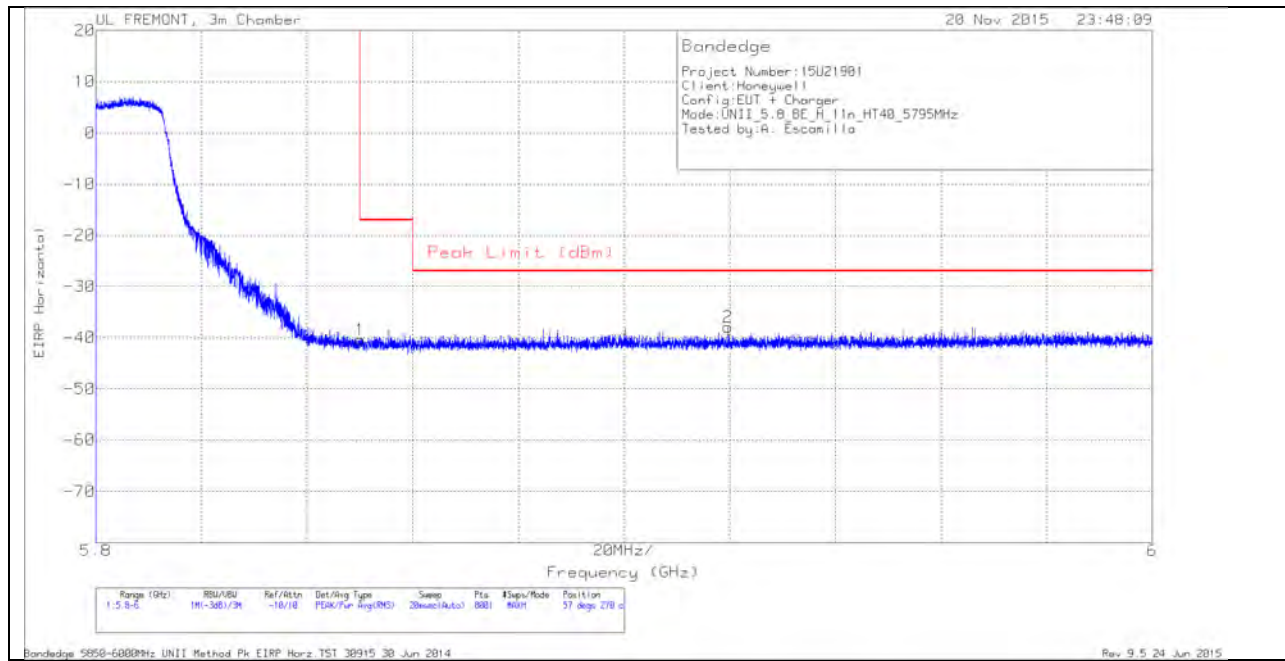
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cb/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.647	-65.38	Pk	34.7	-19.7	11.8	-38.58	-27	-11.58	259	279	V
1	5.725	-65.54	Pk	34.8	-19.8	11.8	-38.74	-17	-21.74	259	279	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT

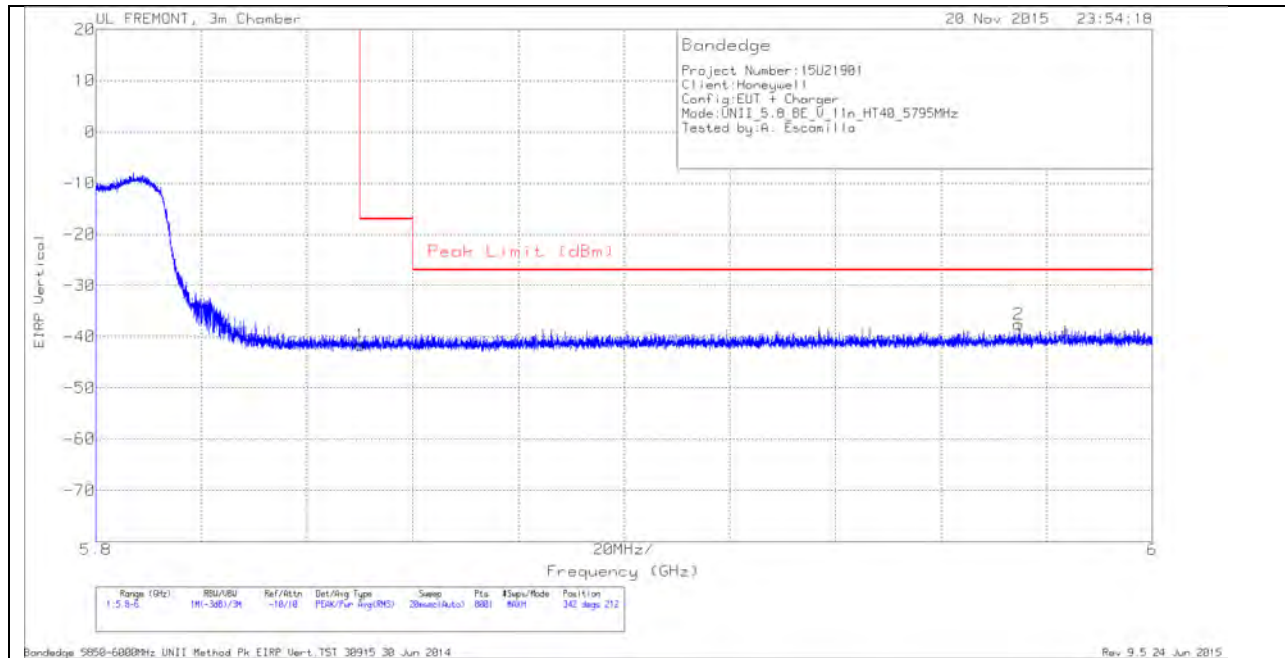


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-67.34	Pk	34.9	-19.8	11.8	-40.44	-17	-23.44	57	270	H
2	5.92	-65.1	Pk	35	-19.6	11.8	-37.9	-27	-10.9	57	270	H

Pk - Peak detector

VERTICAL PEAK PLOT

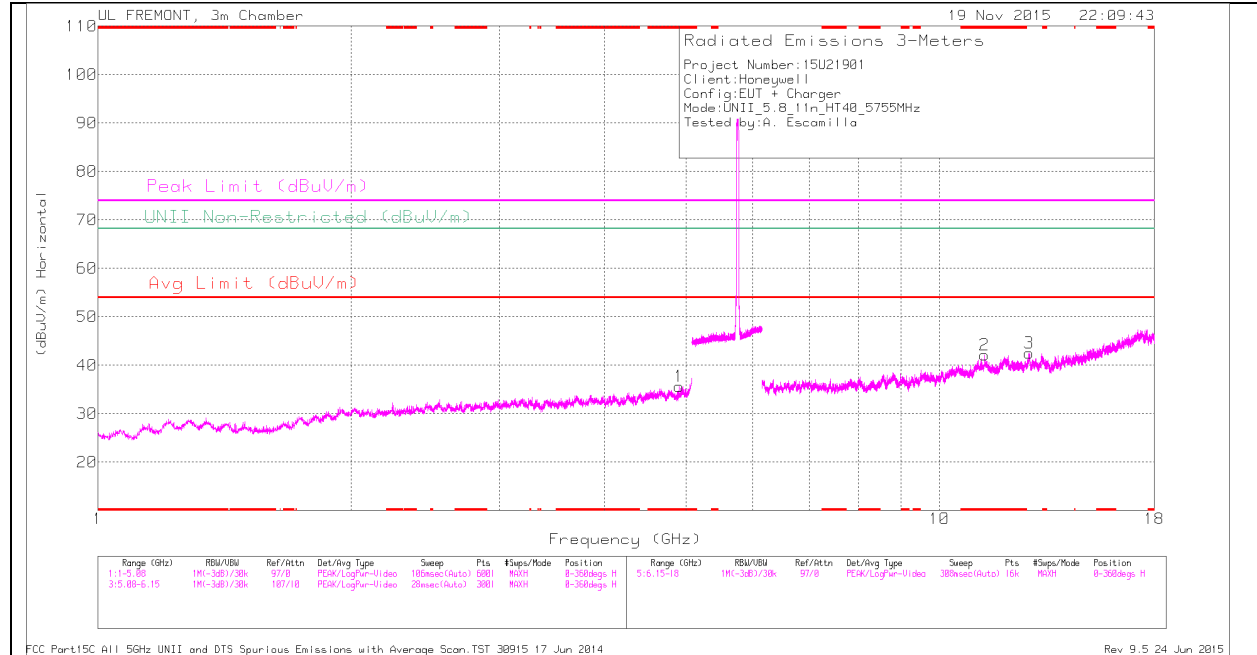


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-68.47	Pk	34.9	-19.8	11.8	-41.57	-17	-24.57	342	212	V
2	5.975	-65.05	Pk	35.1	-19.4	11.8	-37.55	-27	-10.55	342	212	V

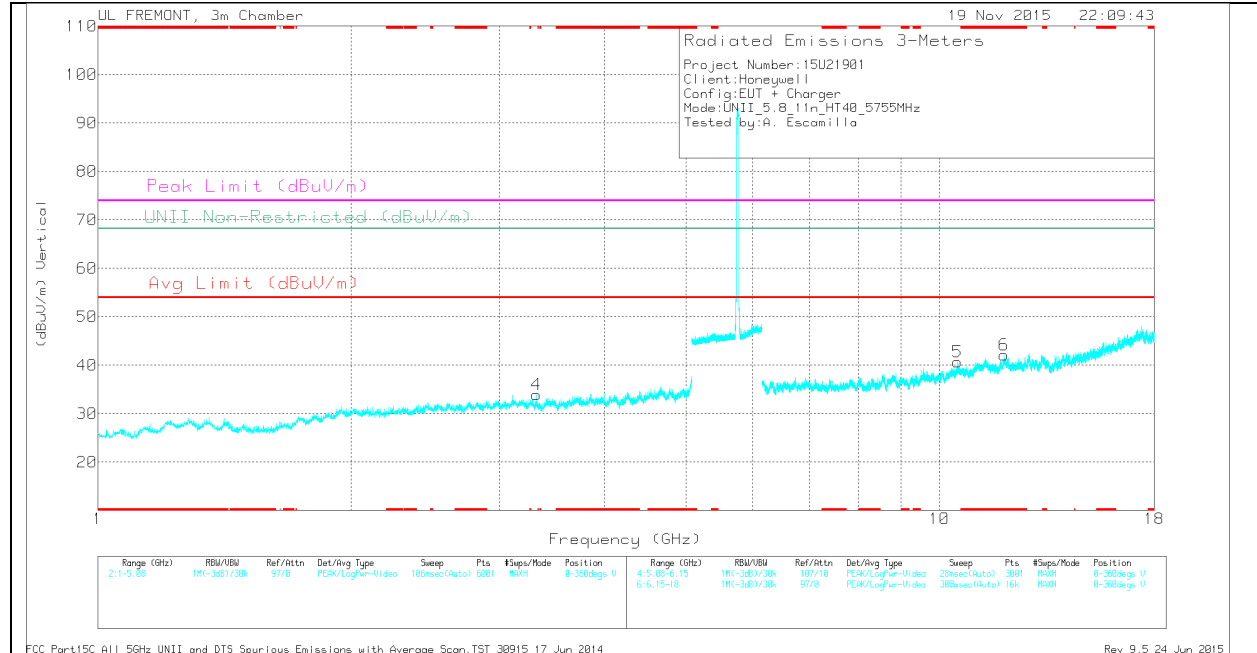
Pk - Peak detector

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.908	30.25	Avg	34	-28.6	0	35.65	54	-18.35	-	-	-	-	0-360	200	H
2	* 11.305	27	Avg	38.1	-23	0	42.1	54	-11.9	-	-	-	-	0-360	100	H
6	* 11.935	26.5	Avg	39.1	-23.5	0	42.1	54	-11.9	-	-	-	-	0-360	100	V
4	3.318	32.51	Avg	32.6	-31.2	0	33.91	54	-20.09	-	-	-	-	0-360	100	V
5	10.499	26.18	Avg	37.5	-23	0	40.68	54	-13.32	-	-	-	-	0-360	200	V
3	12.783	26	Avg	39.1	-22.6	0	42.5	54	-11.5	-	-	-	-	0-360	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

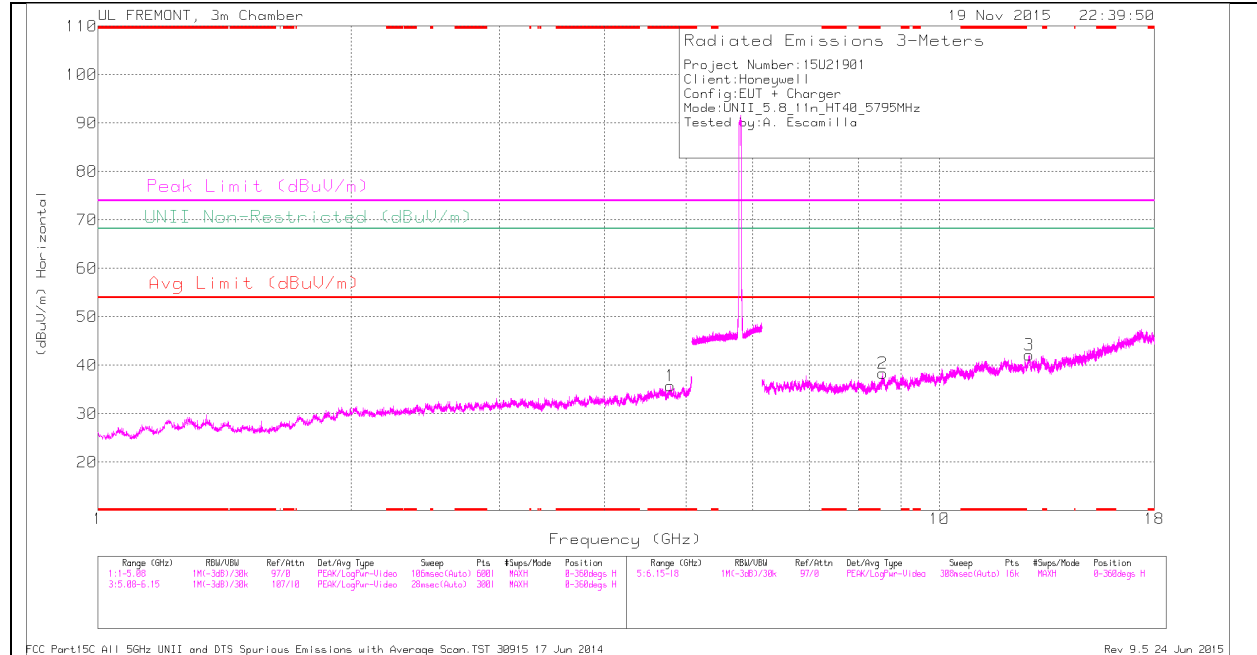
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fil tr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.908	39.45	PK-U	34	-28.6	0	44.85	-	-	74	-29.15	68.2	-23.35	180	205	H
* 4.91	27.44	ADR	34	-28.6	.49	33.33	54	-20.67	-	-	-	-	180	205	H
* 11.304	34.85	PK-U	38.1	-23	0	49.95	-	-	74	-24.05	68.2	-18.25	287	228	V
* 11.307	23.01	ADR	38.1	-22.9	.49	38.7	54	-15.3	-	-	-	-	287	228	V
* 11.934	35.52	PK-U	39.1	-23.5	0	51.12	-	-	74	-22.88	68.2	-17.08	68	142	V
* 11.936	23.17	ADR	39.1	-23.5	.49	39.26	54	-14.74	-	-	-	-	68	142	V
3.318	40.78	PK-U	32.6	-31.2	0	42.18	-	-	74	-31.82	68.2	-26.02	119	179	V
3.318	29.07	ADR	32.6	-31.2	.49	30.96	-	-	-	-	-	-	119	179	V
10.499	34.02	PK-U	37.5	-23	0	48.52	-	-	74	-25.48	68.2	-19.68	207	196	V
10.501	22.43	ADR	37.5	-23	.49	37.42	-	-	-	-	-	-	207	196	V
12.785	35.46	PK-U	39.1	-22.7	0	51.86	-	-	74	-22.14	68.2	-16.34	162	102	H
12.785	23.54	ADR	39.1	-22.7	.49	40.43	-	-	-	-	-	-	162	102	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

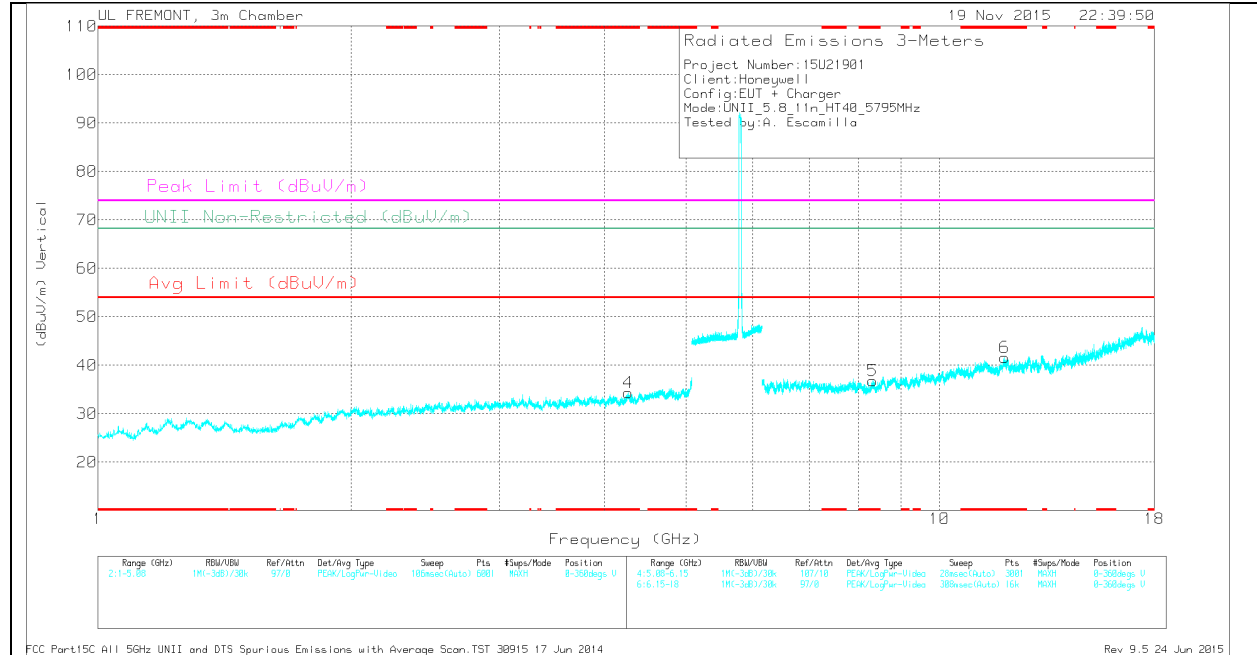
ADR - U-NII AD primary method, RMS average

HIGH CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

HIGH CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.786	30.77	Avg	34	-29	0	35.77	54	-18.23	-	-	-	-	0-360	100	H
4	* 4.268	30.25	Avg	33.4	-29.3	0	34.35	54	-19.65	-	-	-	-	0-360	100	V
5	* 8.324	25.88	Avg	35.8	-24.9	0	36.78	54	-17.22	-	-	-	-	0-360	200	V
6	* 11.96	25.94	Avg	39.1	-23.4	0	41.64	54	-12.36	-	-	-	-	0-360	100	V
2	8.563	26.77	Avg	35.8	-24.2	0	38.37	54	-15.63	-	-	-	-	0-360	100	H
3	12.777	25.58	Avg	39.1	-22.6	0	42.08	54	-11.92	-	-	-	-	0-360	200	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

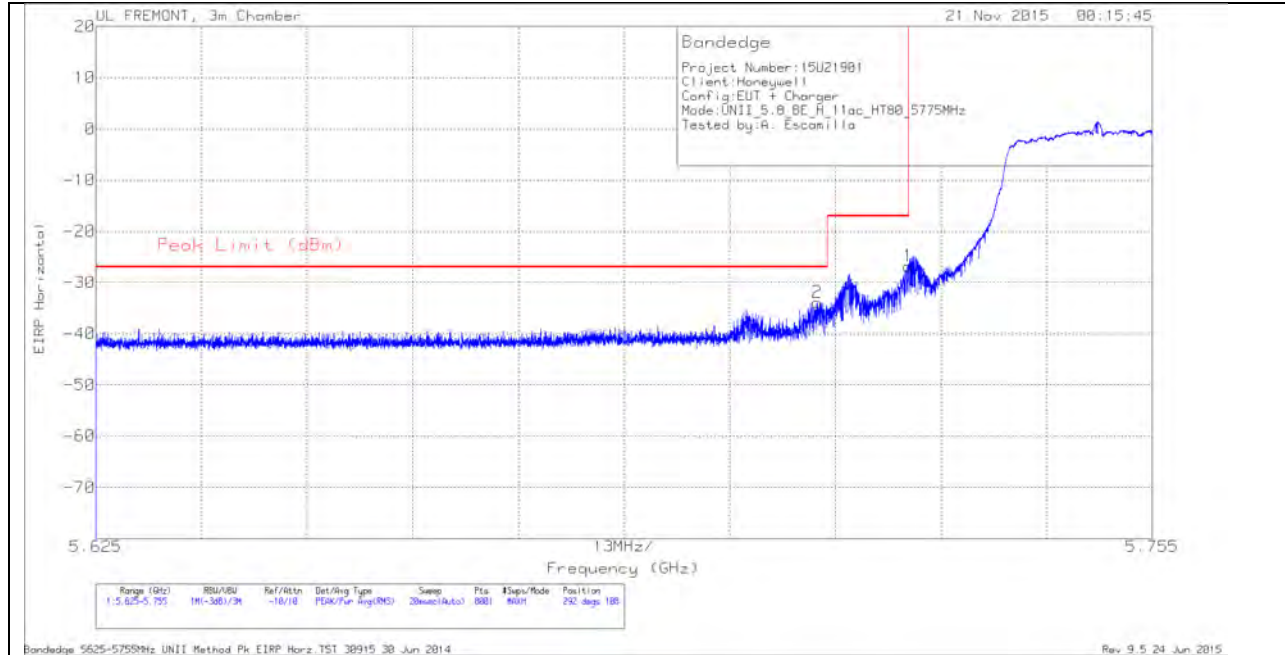
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.787	39.87	PK-U	34	-29	0	44.87	-	-	74	-29.13	68.2	-23.33	19	182	H
* 4.784	27.94	ADR	34	-29.1	.49	33.33	54	-20.67	-	-	-	-	19	182	H
* 4.268	40.24	PK-U	33.4	-29.3	0	44.34	-	-	74	-29.66	68.2	-23.86	157	154	V
* 4.267	27.99	ADR	33.4	-29.3	.49	32.58	54	-21.42	-	-	-	-	157	154	V
* 8.323	37.09	PK-U	35.8	-24.9	0	47.99	-	-	74	-26.01	68.2	-20.21	216	260	V
* 8.325	24.75	ADR	35.8	-24.9	.49	36.14	54	-17.86	-	-	-	-	216	260	V
* 11.959	35.44	PK-U	39.1	-23.4	0	51.14	-	-	74	-22.86	68.2	-17.06	6	165	V
* 11.958	23.58	ADR	39.1	-23.4	.49	39.77	54	-14.23	-	-	-	-	6	165	V
8.562	36.7	PK-U	35.8	-24.2	0	48.3	-	-	74	-25.7	68.2	-19.9	197	328	H
8.564	25.07	ADR	35.8	-24.2	.49	37.16	-	-	-	-	-	-	197	328	H
12.775	34.7	PK-U	39.1	-22.7	0	51.1	-	-	74	-22.9	68.2	-17.1	161	280	H
12.778	23.21	ADR	39.1	-22.6	.49	40.2	-	-	-	-	-	-	161	280	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

9.4.4. TX ABOVE 1 GHz 802.11ac HT80 MODE IN THE 5.8 GHz BAND HARMONICS AND SPURIOUS EMISSIONS HORIZONTAL PEAK PLOT

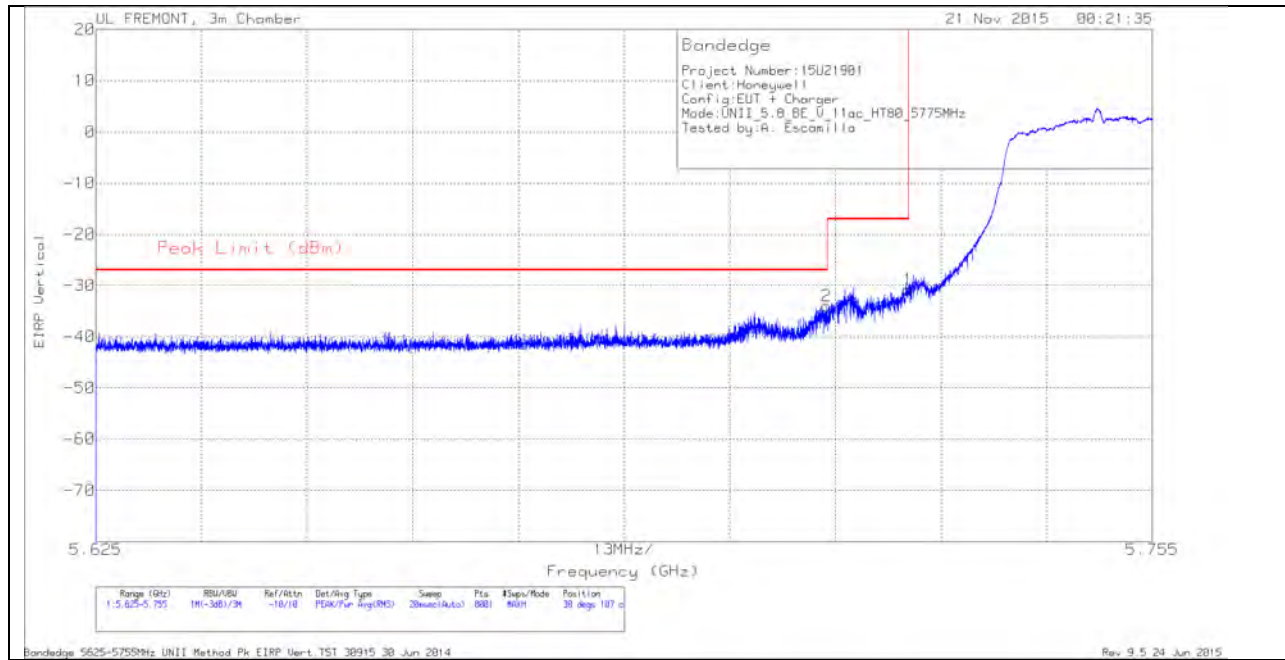


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.714	-60.62	Pk	34.8	-19.8	11.8	-33.82	-27	-6.82	292	108	H
1	5.725	-53.62	Pk	34.8	-19.8	11.8	-26.82	-17	-9.82	292	108	H

Pk - Peak detector

VERTICAL PEAK PLOT



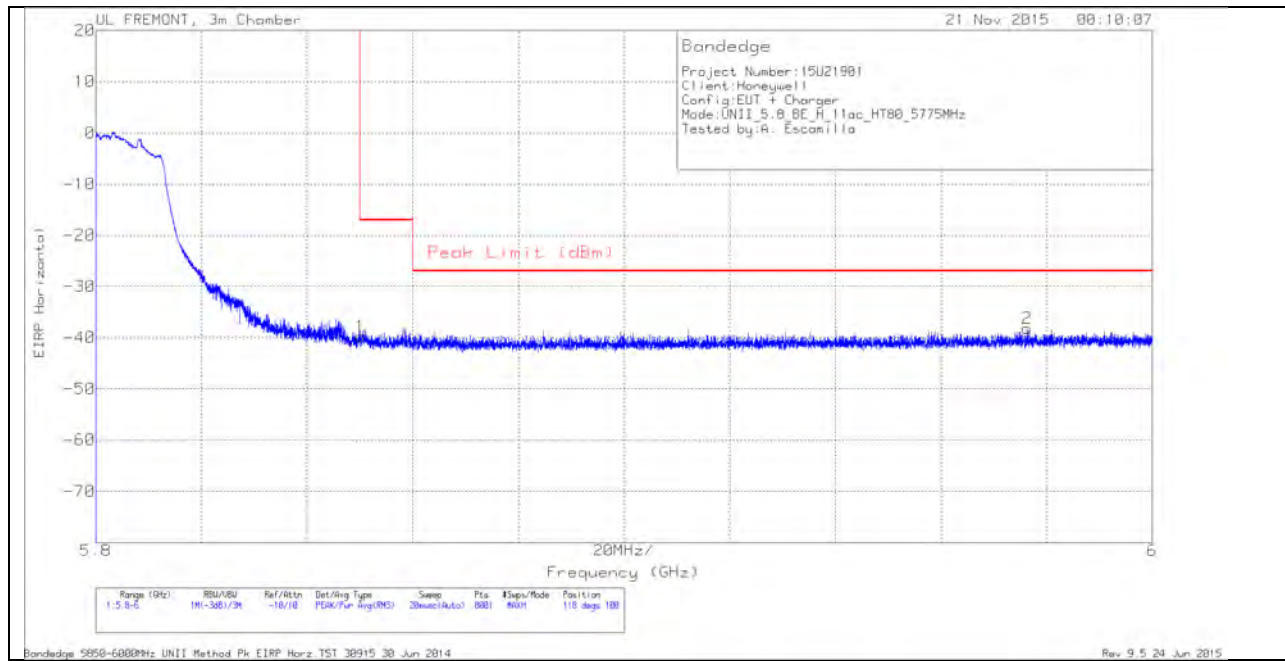
VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	5.715	-60.8	Pk	34.8	-19.8	11.8	-34	-27	-7	30	107	V
1	5.725	-57.56	Pk	34.8	-19.8	11.8	-30.76	-17	-13.76	30	107	V

Pk - Peak detector

AUTHORIZED BANDEDGE (HIGH CHANNEL)

HORIZONTAL PEAK PLOT

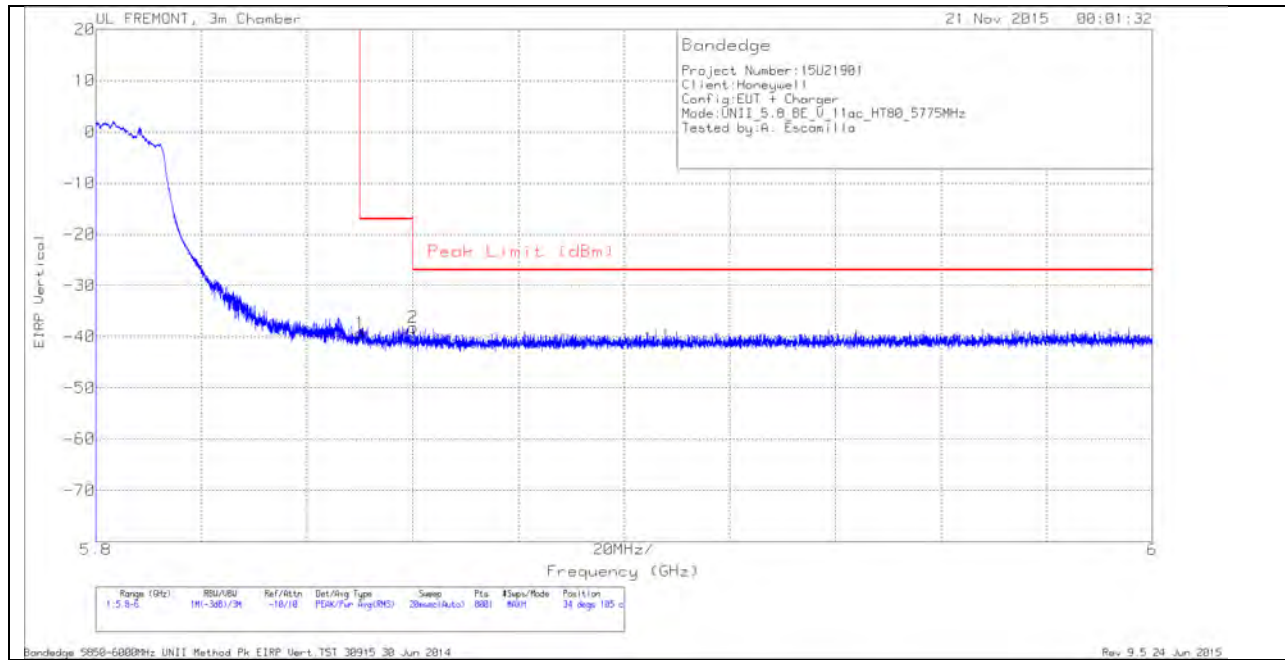


HORIZONTAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.68	Pk	34.9	-19.8	11.8	-39.78	-17	-22.78	118	100	H
2	5.976	-65.78	Pk	35.2	-19.4	11.8	-38.18	-27	-11.18	118	100	H

Pk - Peak detector

VERTICAL PEAK PLOT

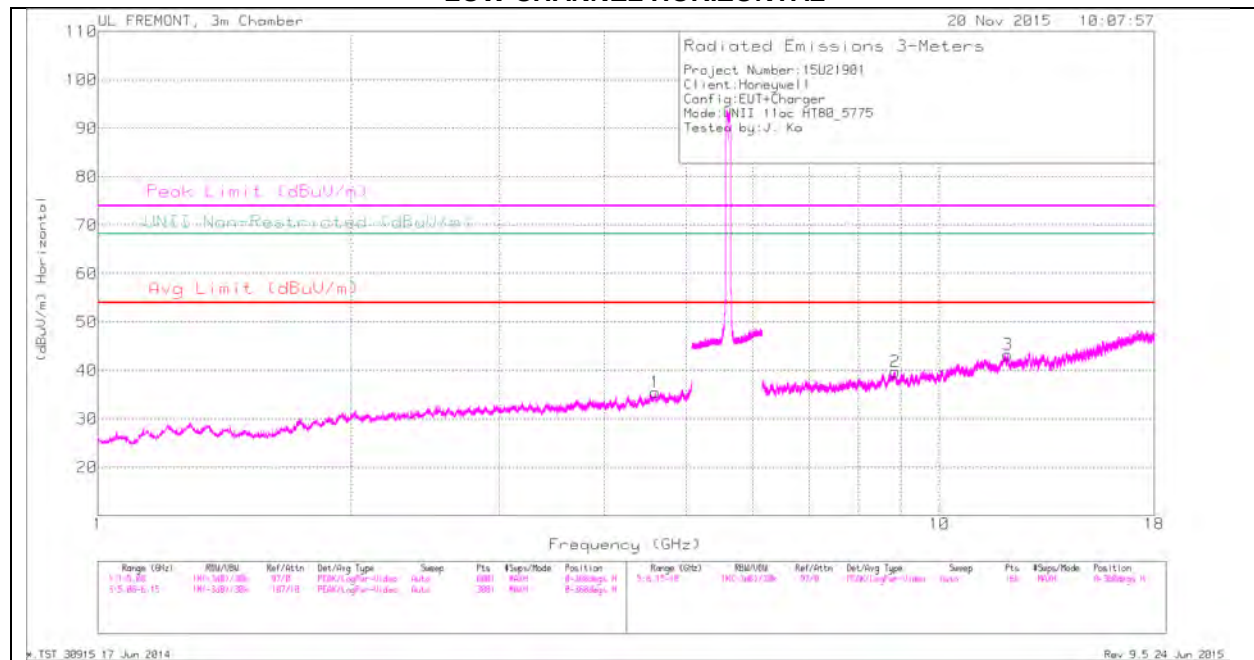


VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	AF T119 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Conversion Factor (dB)	Corrected Reading EIRP	Peak Limit (dBm)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.85	-66.21	Pk	34.9	-19.8	11.8	-39.31	-17	-22.31	34	105	V
2	5.86	-65.15	Pk	34.9	-19.7	11.8	-38.15	-27	-11.15	34	105	V

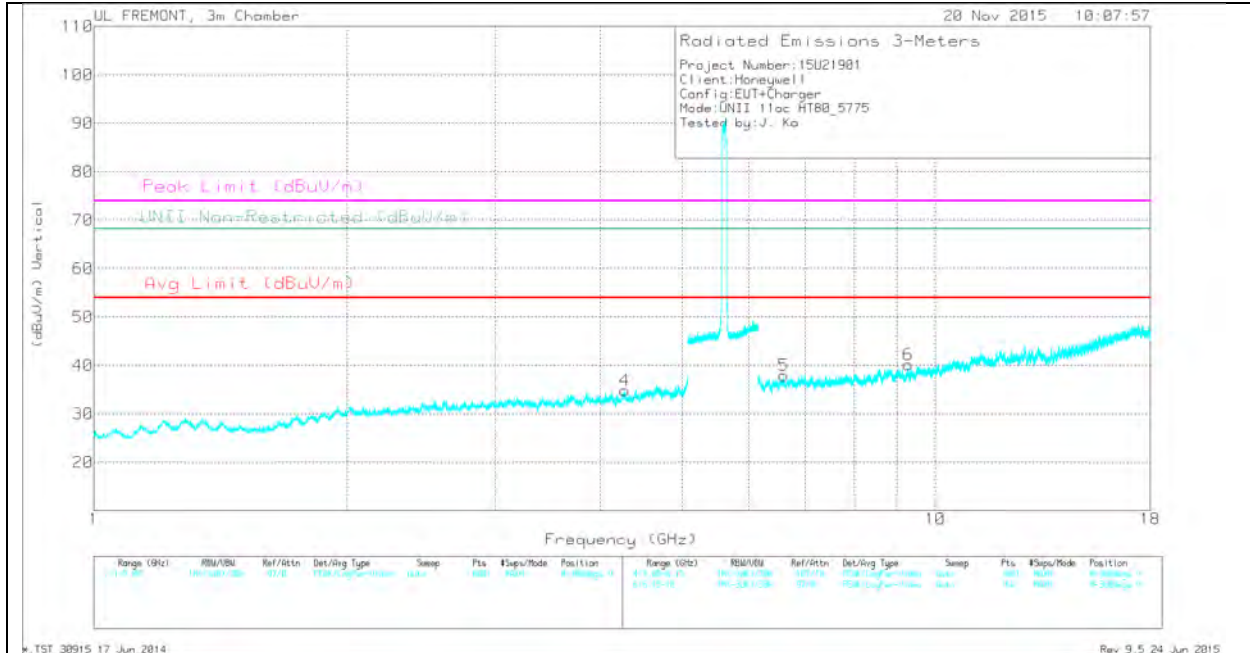
Pk - Peak detector

LOW CHANNEL HORIZONTAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL VERTICAL



Note: Emission was scanned up to 40GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

LOW CHANNEL DATA

TRACE MARKERS

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	4.277	30.68	Avg	33.5	-29.3	0	34.88	54	-19.12	-	-	-	-	0-360	200	V
1	4.596	30.67	Avg	33.9	-29.1	0	35.47	54	-18.53	-	-	-	-	0-360	100	H
5	6.603	30.13	Avg	35.6	-27.8	0	37.93	54	-16.07	-	-	-	-	0-360	200	V
2	8.861	28.53	Avg	35.9	-24.7	0	39.73	54	-14.27	-	-	-	-	0-360	200	H
6	9.278	27.82	Avg	36.3	-23.9	0	40.22	54	-13.78	-	-	-	-	0-360	100	V
3	12.046	27.63	Avg	39.1	-23.4	0	43.33	54	-10.67	-	-	-	-	0-360	100	H

Avg - Video bandwidth < Resolution bandwidth

Radiated Emissions

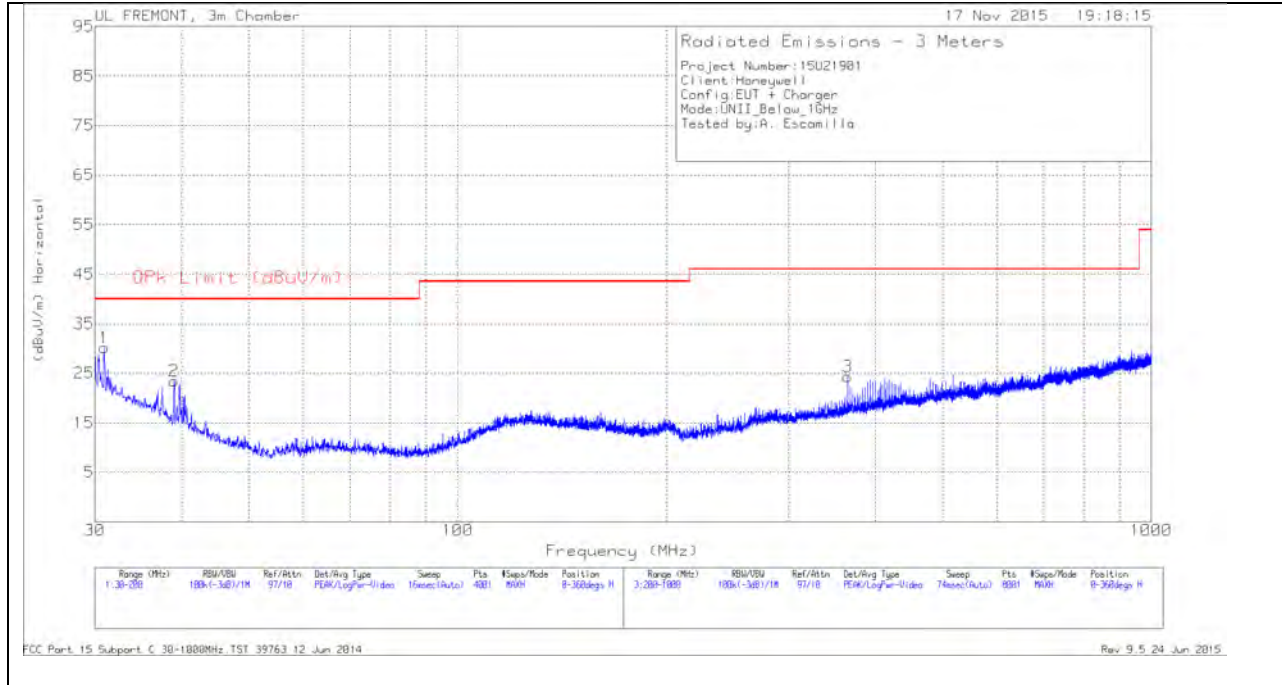
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T119 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4.275	39.77	PK-U	33.5	-29.4	0	43.87	-	-	74	-30.13	68.2	-24.33	360	200	V
4.276	27.99	ADR	33.5	-29.4	1.47	33.56	-	-	-	-	-	-	360	200	V
4.595	27.91	ADR	33.9	-29.1	1.47	34.18	-	-	-	-	-	-	360	100	H
4.596	40.14	PK-U	33.9	-29.1	0	44.94	-	-	74	-29.06	68.2	-23.26	360	100	H
6.603	40.66	PK-U	35.6	-27.8	0	48.46	-	-	74	-25.54	68.2	-19.74	360	200	V
6.603	27.49	ADR	35.6	-27.8	1.47	36.76	-	-	-	-	-	-	360	200	V
8.862	37.52	PK-U	35.9	-24.7	0	48.72	-	-	74	-25.28	68.2	-19.48	360	200	H
8.863	25	ADR	35.9	-24.7	1.47	37.67	-	-	-	-	-	-	360	200	H
9.277	36.57	PK-U	36.3	-23.9	0	48.97	-	-	74	-25.03	68.2	-19.23	360	100	V
9.277	24.87	ADR	36.3	-23.9	1.47	38.74	-	-	-	-	-	-	360	100	V
12.046	36.01	PK-U	39.1	-23.4	0	51.71	-	-	74	-22.29	68.2	-16.49	360	100	H
12.047	24.42	ADR	39.1	-23.4	1.47	41.59	-	-	-	-	-	-	360	100	H

PK-U - U-NII: Maximum Peak

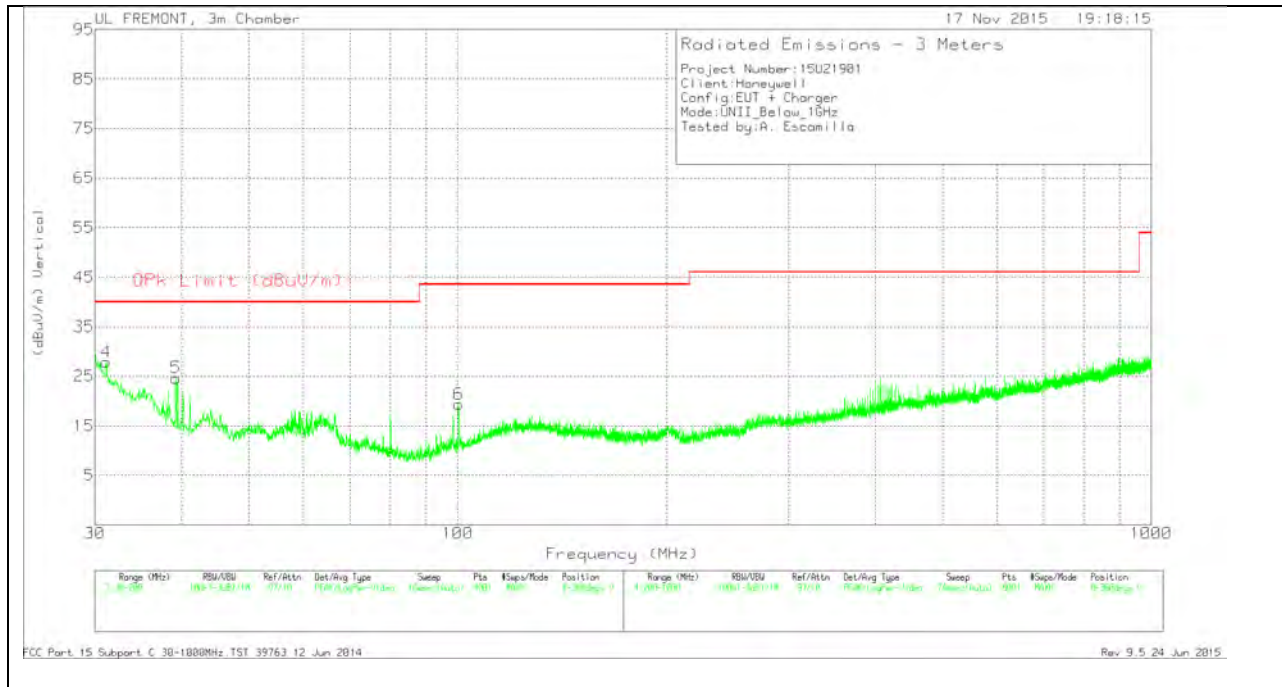
ADR - U-NII AD primary method, RMS average

10. WORST-CASE BELOW 1 GHz (in the 5.3 GHz Band)

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)



Below 1G Data

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T185 (dB/m)	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.935	36.34	Pk	21	-27.2	30.14	40	-9.86	0-360	200	H
4	31.1475	34.25	Pk	20.8	-27.2	27.85	40	-12.15	0-360	100	V
2	39.01	35.54	Pk	15	-27.1	23.44	40	-16.56	0-360	100	H
5	39.2225	36.95	Pk	14.8	-27.1	24.65	40	-15.35	0-360	100	V
6	100.295	35.92	Pk	9.8	-26.3	19.42	43.52	-24.1	0-360	100	V
3	364.8	33.98	Pk	14.9	-24.6	24.28	46.02	-21.74	0-360	100	H

Pk - Peak detector