



**FCC 47 CFR PART 15 SUBPART C  
Radiated Emissions only**

**CERTIFICATION TEST REPORT**

**FOR**

**Lyric**

**MODEL NUMBER: AIO**

**FCC ID: CFS8DLAIO  
IC: 573F-AIO**

**REPORT NUMBER: 10892005A**

**ISSUE DATE: October 1, 2015**

*Prepared for*  
**Honeywell Security**  
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**Melville**  
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NVLAP Lab code: 100414-0

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
--	10/01/15	Initial Issue	M.Ferrer

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# 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** Honeywell Security  
PO Box 9040 2 Corporate Center Dr., Suite 100  
Melville, NY 11747

**EUT DESCRIPTION:** Smart Home Interface

**MODEL:** AIO

**SERIAL NUMBER:** N/A

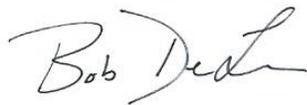
**DATE TESTED:** August 5, 2015 – September 23, 2015

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	Pass

UL LLC 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 LLC 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 LLC and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL LLC 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.

Approved & Released For  
UL LLC By:



Bob Delisi  
EMC Engineer  
UL LLC

Tested By:



Michael Ferrer  
EMC Engineer  
UL LLC

## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with

ANSI C63.4-2009, FCC CFR 47 Part 2, FCC CFR 47 Part 15

Testing Deviation – EUT was tested 1.5m height for above 1GHz Radiated Emissions in accordance with TCB Conference Call Dec 2014.

## 3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 333 Pfungsten Road, Northbrook, IL 60062 USA.

UL NBK is accredited by NVLAP, Laboratory Code 100414-0.

## 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:

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

**4.3. MEASUREMENT UNCERTAINTY**

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

Test	Range	Equipment	Uncertainty k=2
Radiated Emissions	30-200MHz	Bicon 10m Horz	4.27dB
Radiated Emissions	30-200MHz	Bicon 10m Vert	4.28dB
Radiated Emissions	200-1000MHz	LogP 10m Horz	3.33dB
Radiated Emissions	200-1000MHz	LogP 10m Vert	3.39dB
Radiated Emissions	30-200MHz	Bicon 3m Horz	3.30dB
Radiated Emissions	30-130MHz	Bicon 3m Vert	4.84dB
Radiated Emissions	130-200MHz	Bicon 3m Vert	4.94dB
Radiated Emissions	200-1000MHz	LogP 3m Horz	3.46dB
Radiated Emissions	200-1000MHz	LogP 3m Vert	4.98dB
Radiated Emissions	1-6GHz	Horn	5.02dB
Radiated Emissions	6-18GHz	Horn	5.34dB
Radiated Emissions	18-26GHz	Horn	6.60dB

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

## **5. EQUIPMENT UNDER TEST**

### **5.1. DESCRIPTION OF EUT**

The EUT is a Smart Home Interface containing 2.4GHz 802.11b/g/n transceiver.

### **5.2. DESCRIPTION OF AVAILABLE ANTENNAS**

The radio utilizes two PIFA antennas, with a maximum gain of 3.3 dBi.

### **5.3. WORST-CASE CONFIGURATION AND MODE**

The EUT was setup in the upright position as it would be for installation. The EUT was programmed the for highest output power and can transmit on two different antennas

## 5.4. DESCRIPTION OF TEST SETUP

### SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
Power Supply	Honeywell	300-04705V1	-	DoC

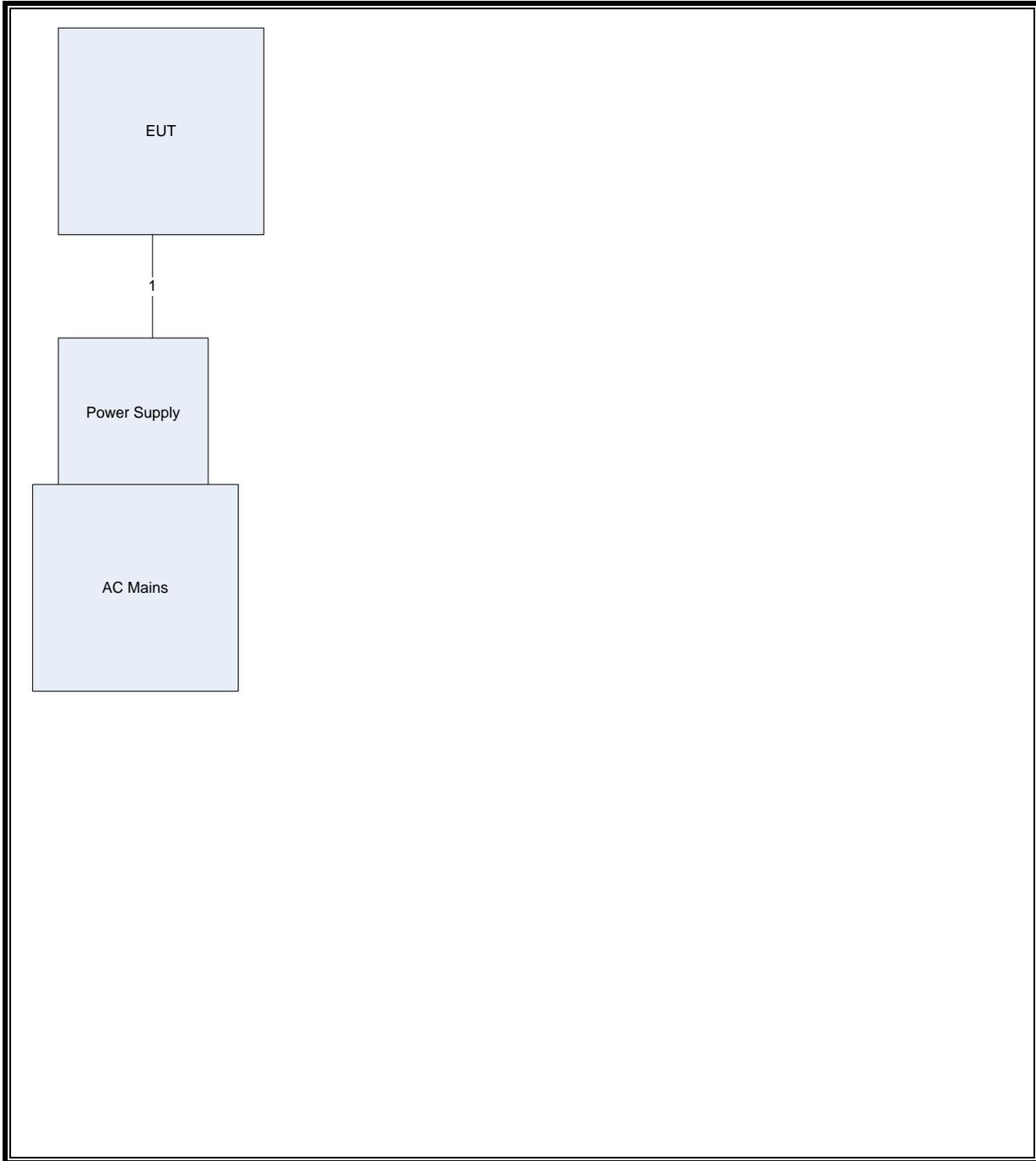
### I/O CABLES

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	DC	Wire	1	None

### TEST SETUP

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

**SETUP DIAGRAM FOR TESTS**





## 7. RADIATED TEST RESULTS

### 7.1. LIMITS AND PROCEDURE

#### LIMITS

FCC §15.205 and §15.209

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Ant 1 = Antenna 1

Ant 10 = Antenna 2

Ant 11 = Antenna 1 and 2. This is only available in 11n mode

Note: At 12.5GHz there are emissions near the AV limit. This is no emissions found here from the EUT and measurement was taken to show Emissions below AV limit.

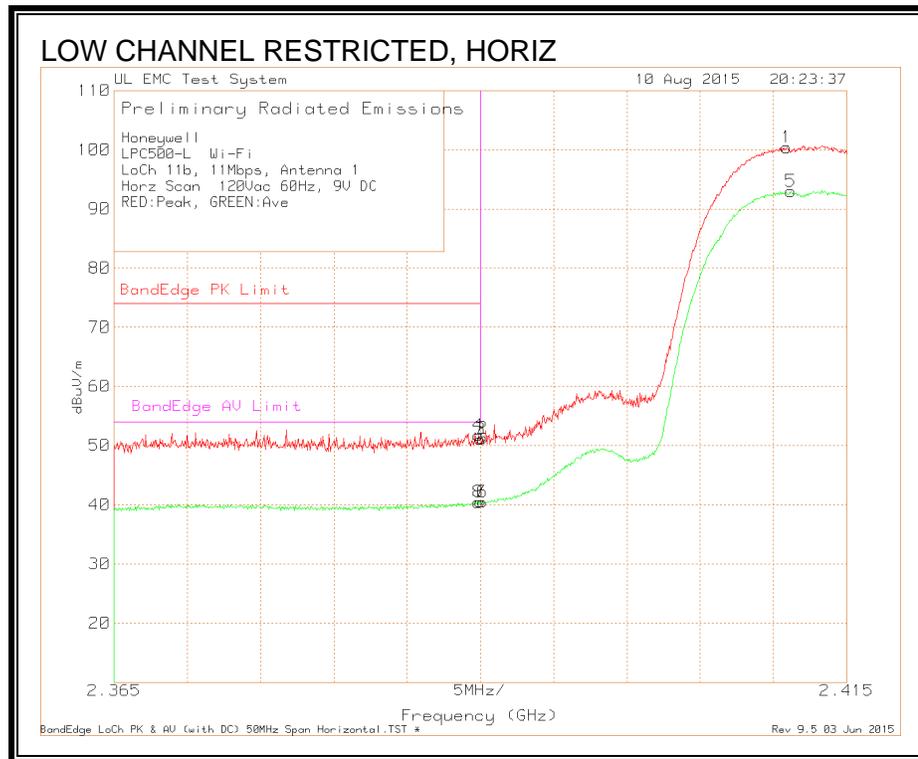
Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
12.5617	53.26	Pk	39.4	-35.41	57.25	74	-16.75	-	-	54	119	H
12.5621	46.4	Av	39.4	-35.41	50.39	-	-	54	-3.61	54	119	H
12.6426	57.87	Pk	39.5	-34.24	63.13	74	-10.87	-	-	170	100	V
12.6412	45.7	Av	39.5	-34.2	51	-	-	54	-3	170	100	V
Pk - Peak detector												
Av - Average detection												

## 7.2. TRANSMITTER ABOVE 1 GHz

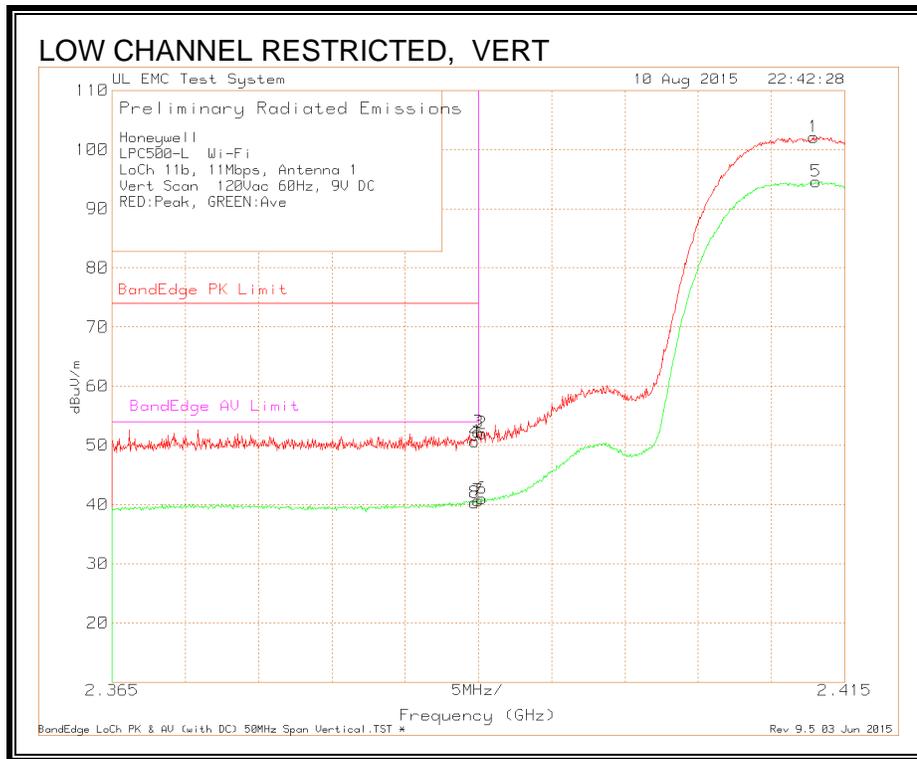
### 7.2.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

#### Antenna 1

#### RESTRICTED BANDEDGE (LOW CHANNEL)

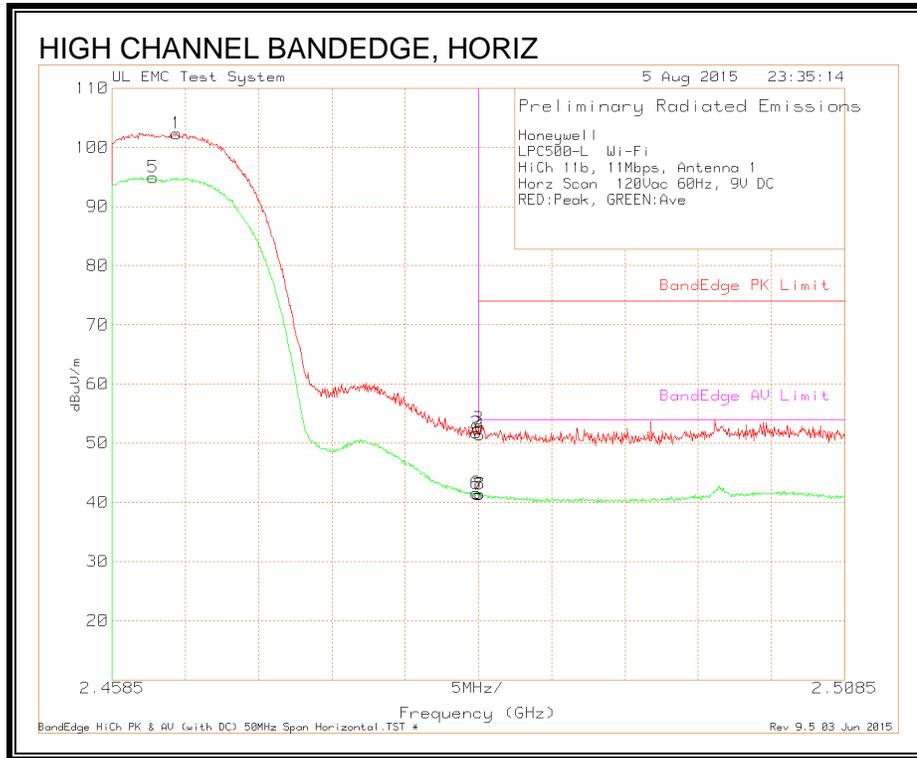


Honeywell													
LPC500-L Wi-Fi													
LoCh 11b, 11Mbps, Antenna 1													
Horz Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit	Margin (dB)	BandEdge AV Limit	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4109	74.03	Pk	21.8	4.57	100.4	-	-	-	-	316	100	H
2	2.3902	24.7	Pk	21.8	4.72	51.22	-	-	-	-	316	100	H
3	2.39	24.55	Pk	21.8	4.72	51.07	74	-22.93	-	-	316	100	H
4	2.3899	25.22	Pk	21.8	4.72	51.74	74	-22.26	-	-	316	100	H
5	2.4112	66.61	AV	21.8	4.57	92.98	-	-	-	-	316	100	H
6	2.3902	13.98	AV	21.8	4.72	40.5	-	-	-	-	316	100	H
7	2.39	13.98	AV	21.8	4.72	40.5	-	-	54	-13.5	316	100	H
8	2.3899	13.94	AV	21.8	4.72	40.46	-	-	54	-13.54	316	100	H

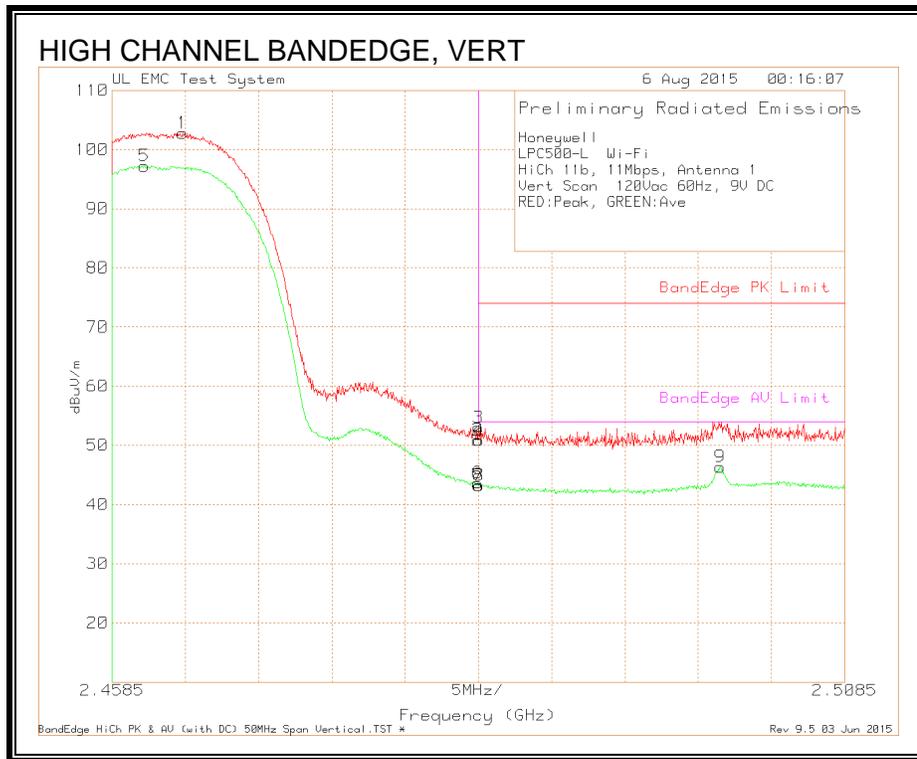


Honeywell													
LPC500-L Wi-Fi													
LoCh 11b, 11Mbps, Antenna 1													
Vert Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Freqency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4129	75.77	Pk	21.8	4.57	102.14	-	-	-	-	183	166	V
2	2.3903	25.49	Pk	21.8	4.72	52.01	-	-	-	-	183	166	V
3	2.39	25.72	Pk	21.8	4.72	52.24	74	-21.76	-	-	183	166	V
4	2.3898	24.14	Pk	21.8	4.72	50.66	74	-23.34	-	-	183	166	V
5	2.4131	68.22	AV	21.8	4.57	94.59	-	-	-	-	183	166	V
6	2.3903	14.51	AV	21.8	4.72	41.03	-	-	-	-	183	166	V
7	2.39	14.17	AV	21.8	4.72	40.69	-	-	54	-13.31	183	166	V
8	2.3898	13.79	AV	21.8	4.72	40.31	-	-	54	-13.69	183	166	V

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

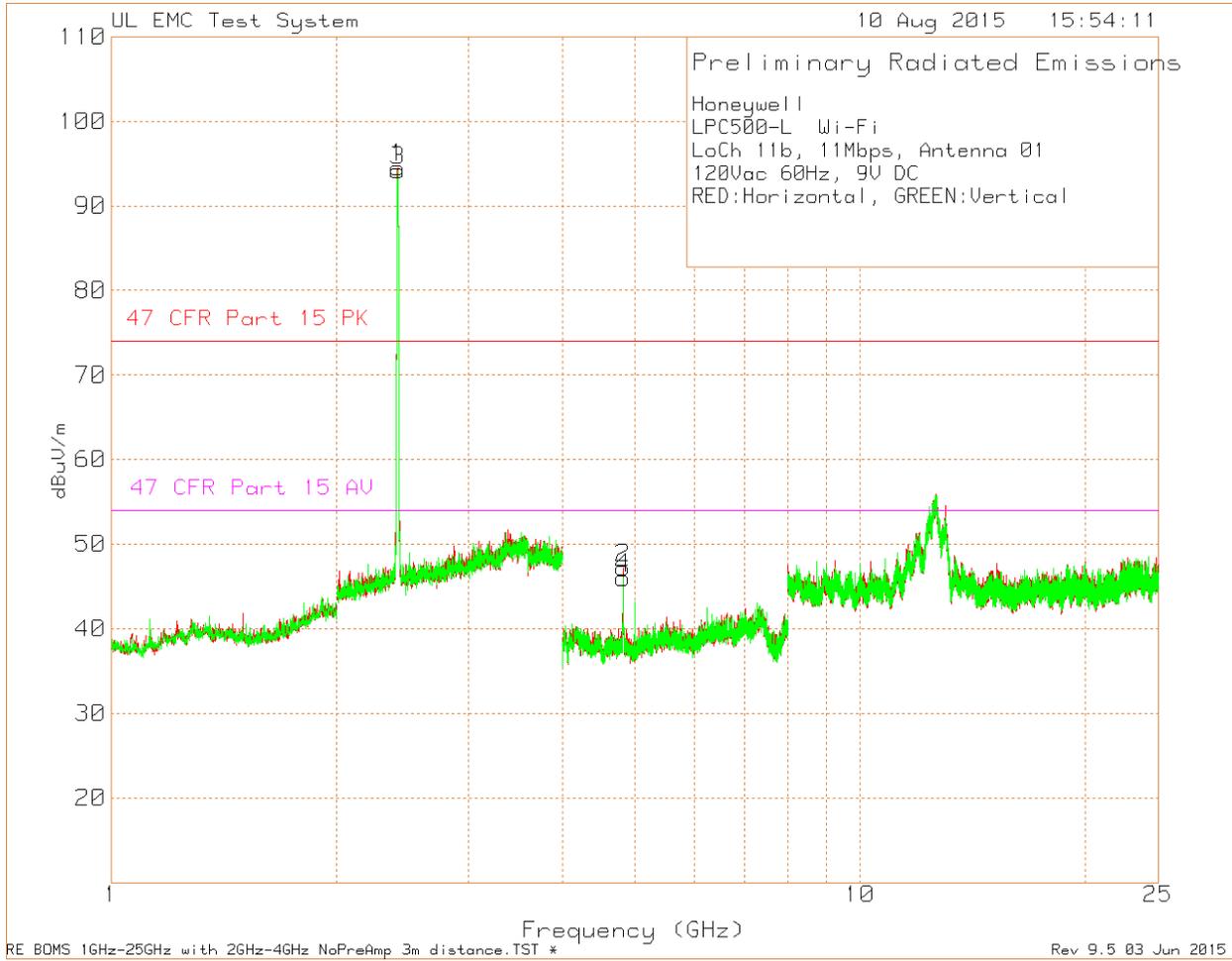


Honeywell													
LPC500-L Wi-Fi													
HiCh 11b, 11Mbps, Antenna 1													
Horz Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit	Margin (dB)	BandEdge AV Limit	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4629	75.87	Pk	22	4.49	102.36	-	-	-	-	48	100	H
2	2.4834	25.29	Pk	22.1	4.37	51.76	-	-	-	-	48	100	H
3	2.4835	26	Pk	22.1	4.37	52.47	74	-21.53	-	-	48	100	H
4	2.4836	24.93	Pk	22.1	4.37	51.4	74	-22.6	-	-	48	100	H
5	2.4613	68.46	AV	22	4.49	94.95	-	-	-	-	48	100	H
6	2.4834	15.08	AV	22.1	4.37	41.55	-	-	-	-	48	100	H
7	2.4835	14.83	AV	22.1	4.37	41.3	-	-	54	-12.7	48	100	H
8	2.4836	14.94	AV	22.1	4.37	41.41	-	-	54	-12.59	48	100	H

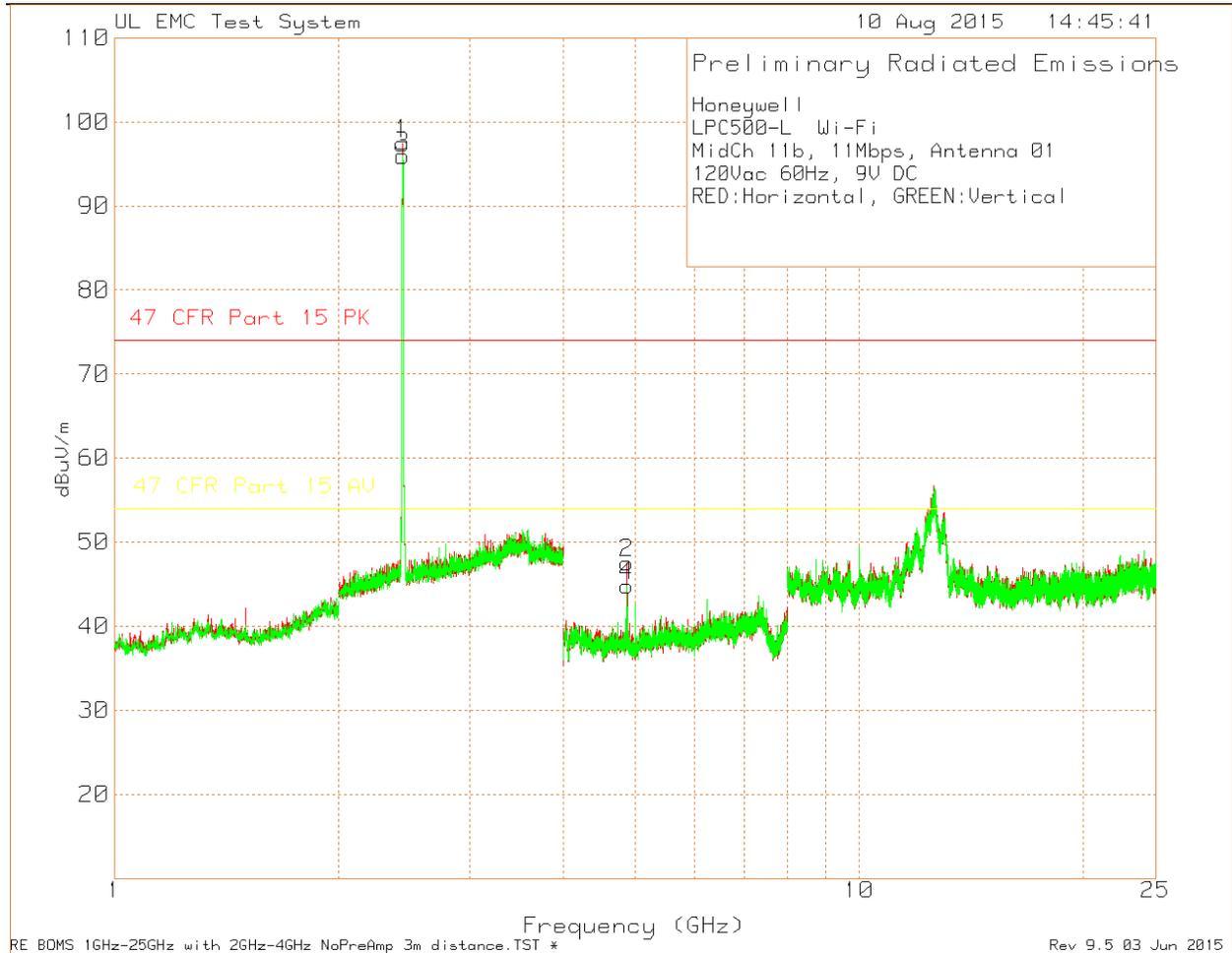


Honeywell													
LPC500-L Wi-Fi													
HiCh 11b, 11Mbps, Antenna 1													
Vert Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit	Margin (dB)	BandEdge AV Limit	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4633	76.29	Pk	22	4.49	102.78	-	-	-	-	200	124	V
2	2.4835	24.4	Pk	22.1	4.37	50.87	-	-	-	-	200	124	V
3	2.4835	26.55	Pk	22.1	4.37	53.02	74	-20.98	-	-	200	124	V
4	2.4836	24.39	Pk	22.1	4.37	50.86	74	-23.14	-	-	200	124	V
5	2.4607	68.86	AV	22	4.48	97.24	-	-	-	-	200	124	V
6	2.4835	15.29	AV	22.1	4.37	43.66	-	-	-	-	200	124	V
7	2.4835	14.86	AV	22.1	4.37	43.23	-	-	54	-10.77	200	124	V
8	2.4836	14.89	AV	22.1	4.37	43.26	-	-	54	-10.74	200	124	V
9	2.5	18	AV	22.1	4.35	46.35	-	-	54	-7.65	200	124	V

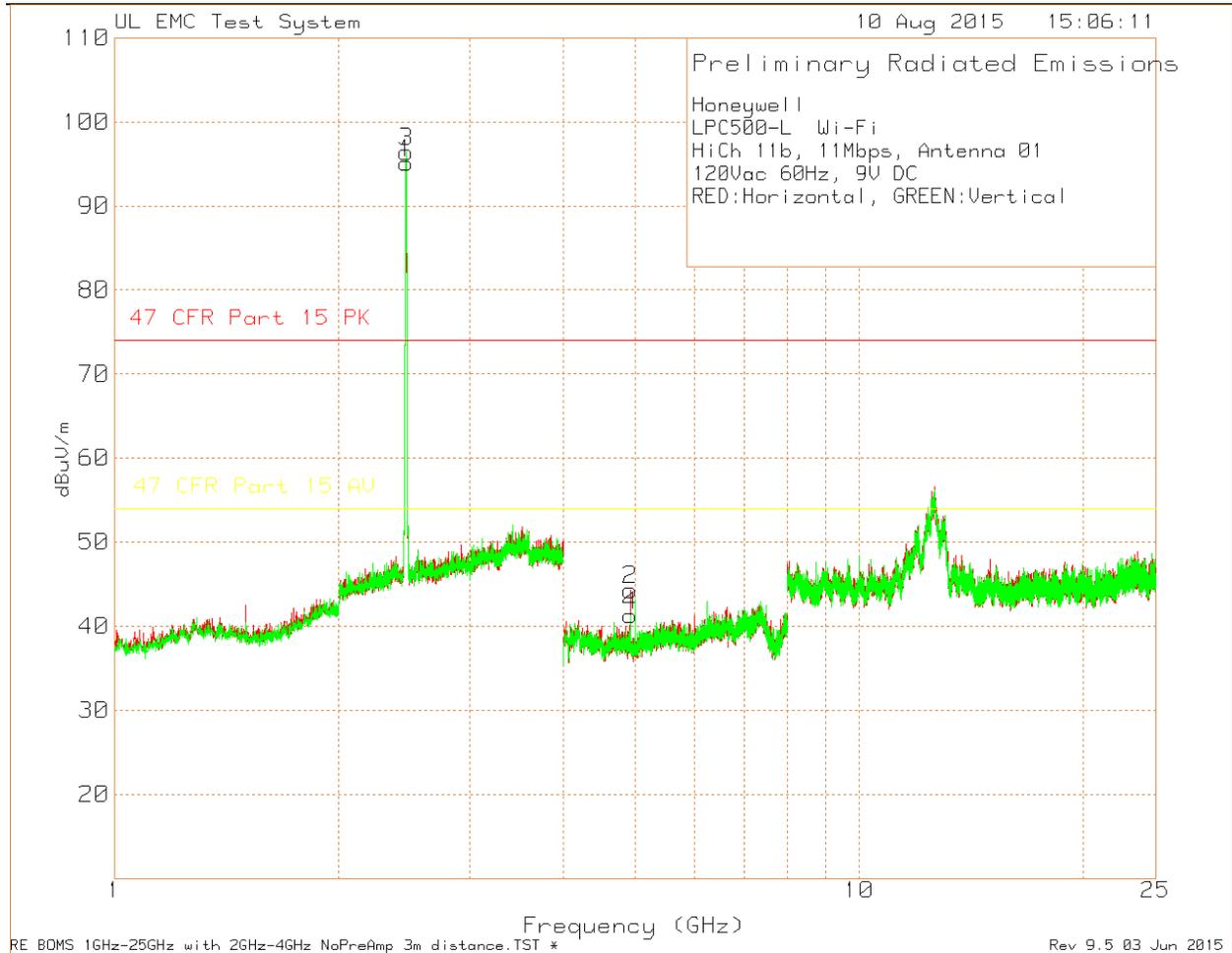
**HARMONICS AND SPURIOUS EMISSIONS**



Honeywell													
LPC500-L Wi-Fi													
LoCh 11b, 11Mbps, Antenna 01													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.412	68.17	21.8	4.57	94.54	-	-	-	-	0-360	99	H	
2	4.824	69.99	27.7	-50.48	47.21	74	-26.79	54	-6.79	0-360	149	H	
3	2.415	67.82	21.8	4.56	94.18	-	-	-	-	0-360	150	V	
4	4.824	68.78	27.7	-50.48	46	74	-28	54	-8	0-360	150	V	
Pk - Peak detector													



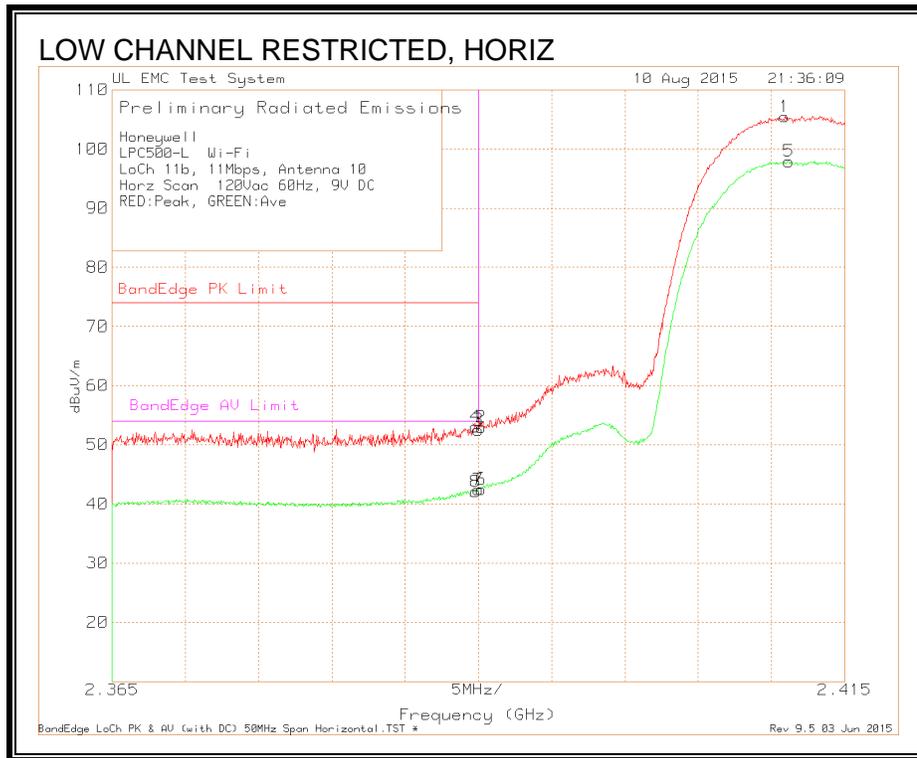
Honeywell													
LPC500-L Wi-Fi													
MidCh 11b, 11Mbps, Antenna 01													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.436	70.95 Pk	21.9	4.56	97.41	-	-	-	-	0-360	100	H	
2	4.874	70.14 Pk	27.7	-50.3	47.54	74	-26.46	54	-6.46	0-360	100	H	
3	2.437	69.47 Pk	21.9	4.57	95.94	-	-	-	-	0-360	150	V	
4	4.874	67.4 Pk	27.7	-50.3	44.8	74	-29.2	54	-9.2	0-360	100	V	
Pk - Peak detector													



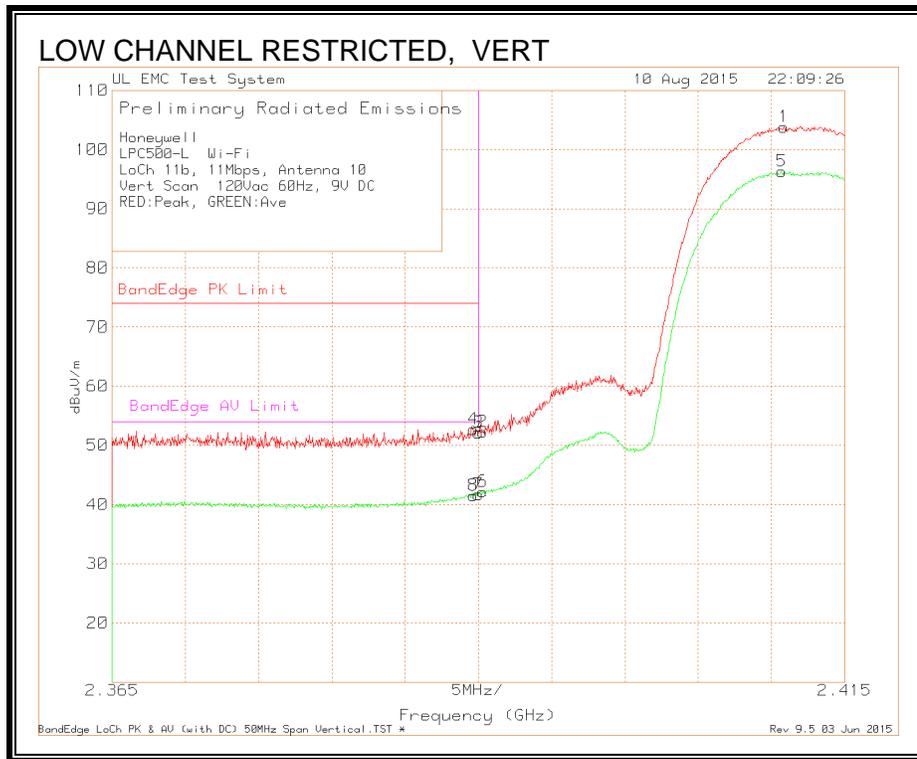
Honeywell												
LPC500-L Wi-Fi												
HiCh 11b, 11Mbps, Antenna 01												
120Vac 60Hz, 9V DC												
RED:Horizontal, GREEN:Vertical												
Marker No.	Test Freqency (GHz)	Meter Reading(d BuV)	Antenna Factor dB/m	Gain/Loss (dB)	Corrected Reading dBuV/m	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.462	68.61 Pk	22	4.49	95.1	-	-	-	-	0-360	100	H
2	4.924	67.2 Pk	27.8	-50.67	44.33	74	-29.67	54	-9.67	0-360	101	H
3	2.463	69.94 Pk	22	4.49	96.43	-	-	-	-	0-360	150	V
4	4.924	64.16 Pk	27.8	-50.67	41.29	74	-32.71	54	-12.71	0-360	150	V
Pk - Peak detector												

**Antenna 2**

**RESTRICTED BANEDGE (LOW CHANNEL)**

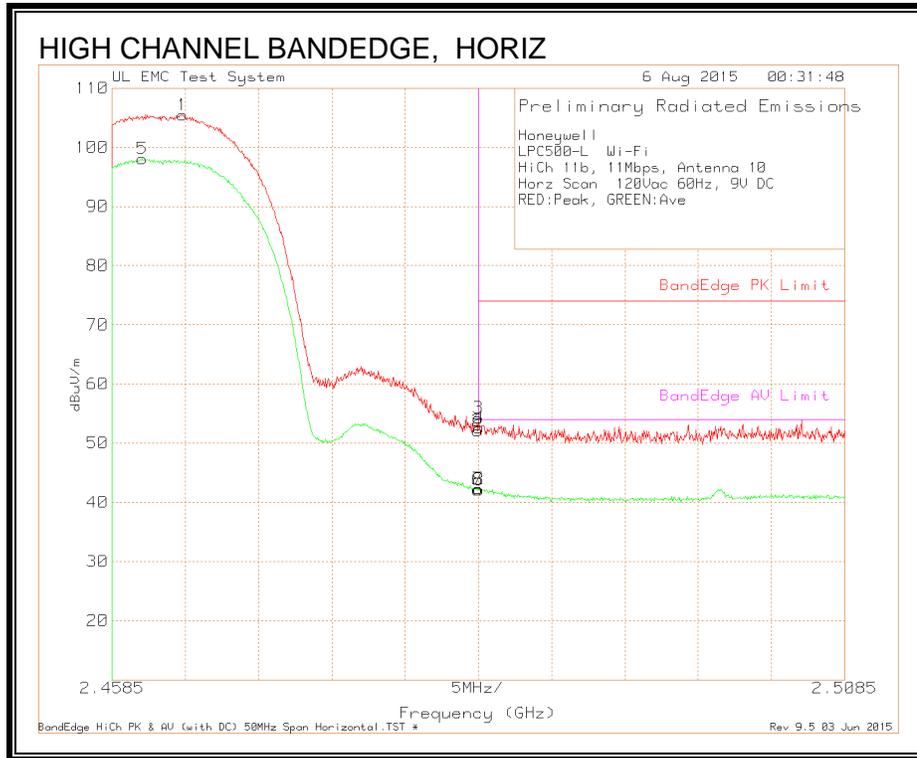


Honeywell													
LPC500-L Wi-Fi													
LoCh 11b, 11Mbps, Antenna 10													
Horz Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No	Test Freq	Meter Rea	Detector	EMCO316	Gain/Loss	Corrected	BandEdge	Margin (dB)	BandEdge	Margin (dB)	Azimuth [C]	Height [cm]	Polarity
1	2.4109	79.09	Pk	21.8	4.57	105.46	-	-	-	-	310	100	H
2	2.3902	26.45	Pk	21.8	4.72	52.97	-	-	-	-	310	100	H
3	2.39	25.96	Pk	21.8	4.72	52.48	74	-21.52	-	-	310	100	H
4	2.3898	26.57	Pk	21.8	4.72	53.09	74	-20.91	-	-	310	100	H
5	2.4112	71.56	AV	21.8	4.57	97.93	-	-	-	-	310	100	H
6	2.3902	15.93	AV	21.8	4.72	42.45	-	-	-	-	310	100	H
7	2.39	15.92	AV	21.8	4.72	42.44	-	-	54	-11.56	310	100	H
8	2.3898	15.54	AV	21.8	4.72	42.06	-	-	54	-11.94	310	100	H

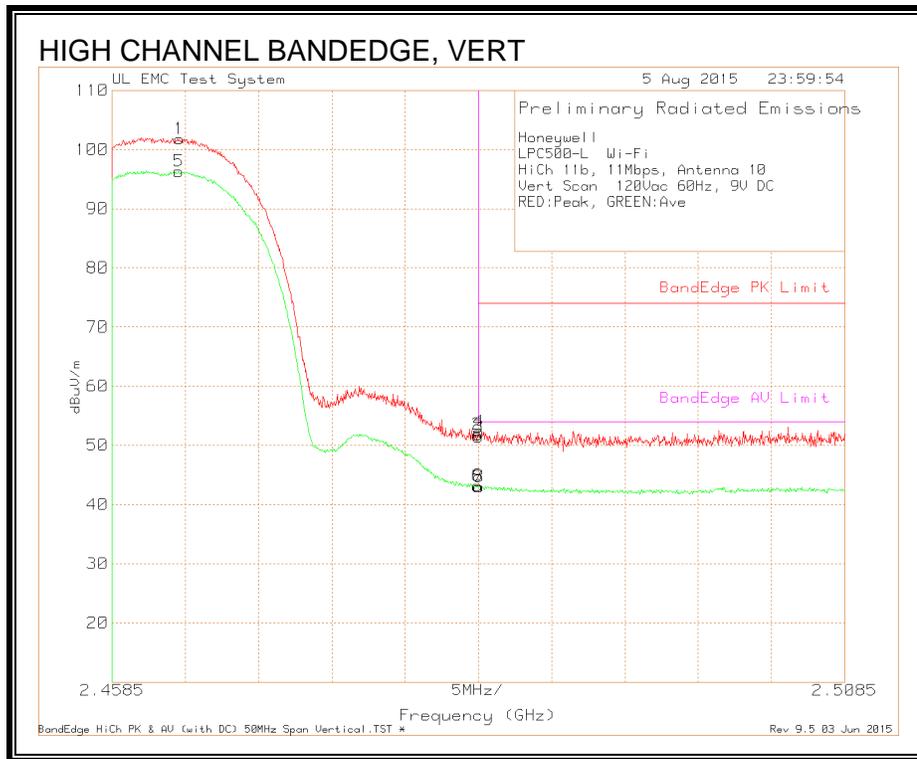


Honeywell													
LPC500-L Wi-Fi													
LoCh 11b, 11Mbps, Antenna 10													
Vert Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.4109	77.45 Pk	21.8	4.57	103.82	-	-	-	-	334	278	V	
2	2.3903	25.77 Pk	21.8	4.72	52.29	-	-	-	-	334	278	V	
3	2.39	25.65 Pk	21.8	4.72	52.17	74	-21.83	-	-	334	278	V	
4	2.3897	26.23 Pk	21.8	4.72	52.75	74	-21.25	-	-	334	278	V	
5	2.4107	69.94 AV	21.8	4.57	96.31	-	-	-	-	334	278	V	
6	2.3903	15.66 AV	21.8	4.72	42.18	-	-	-	-	334	278	V	
7	2.39	15.16 AV	21.8	4.72	41.68	-	-	54	-12.32	334	278	V	
8	2.3897	15.01 AV	21.8	4.72	41.53	-	-	54	-12.47	334	278	V	

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

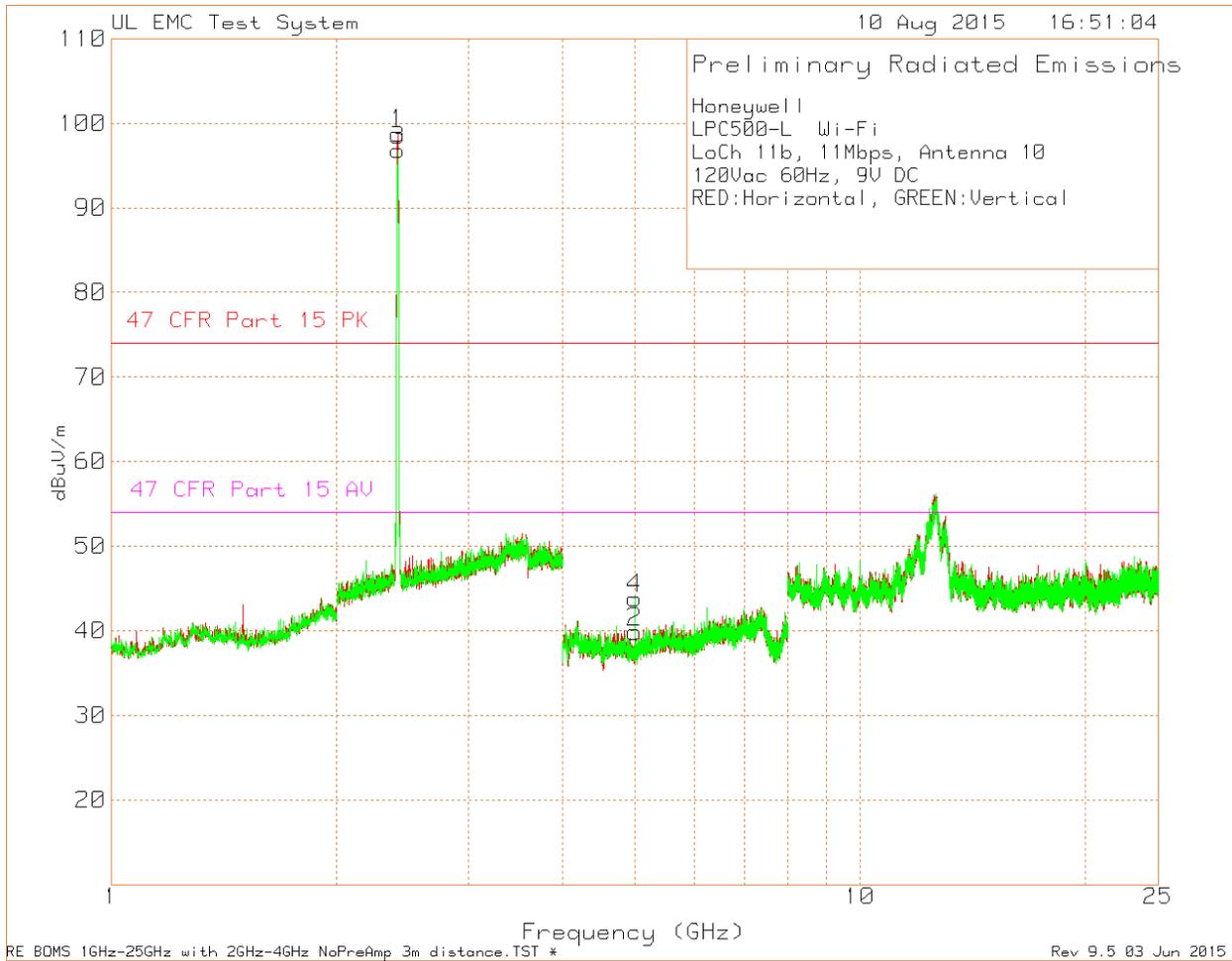


Honeywell												
LPC500-L Wi-Fi												
HiCh 11b, 11Mbps, Antenna 10												
Horz Scan 120Vac 60Hz, 9V DC												
RED:Peak, GREEN:Ave												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4633	78.97 Pk	22	4.49	105.46	-	-	-	-	48	100	H
2	2.4835	25.62 Pk	22.1	4.37	52.09	-	-	-	-	48	100	H
3	2.4835	27.79 Pk	22.1	4.37	54.26	74	-19.74	-	-	48	100	H
4	2.4836	26.09 Pk	22.1	4.37	52.56	74	-21.44	-	-	48	100	H
5	2.4606	71.6 AV	22	4.48	98.08	-	-	-	-	48	100	H
6	2.4835	15.67 AV	22.1	4.37	42.14	-	-	-	-	48	100	H
7	2.4835	15.83 AV	22.1	4.37	42.3	-	-	54	-11.7	48	100	H
8	2.4836	15.64 AV	22.1	4.37	42.11	-	-	54	-11.89	48	100	H

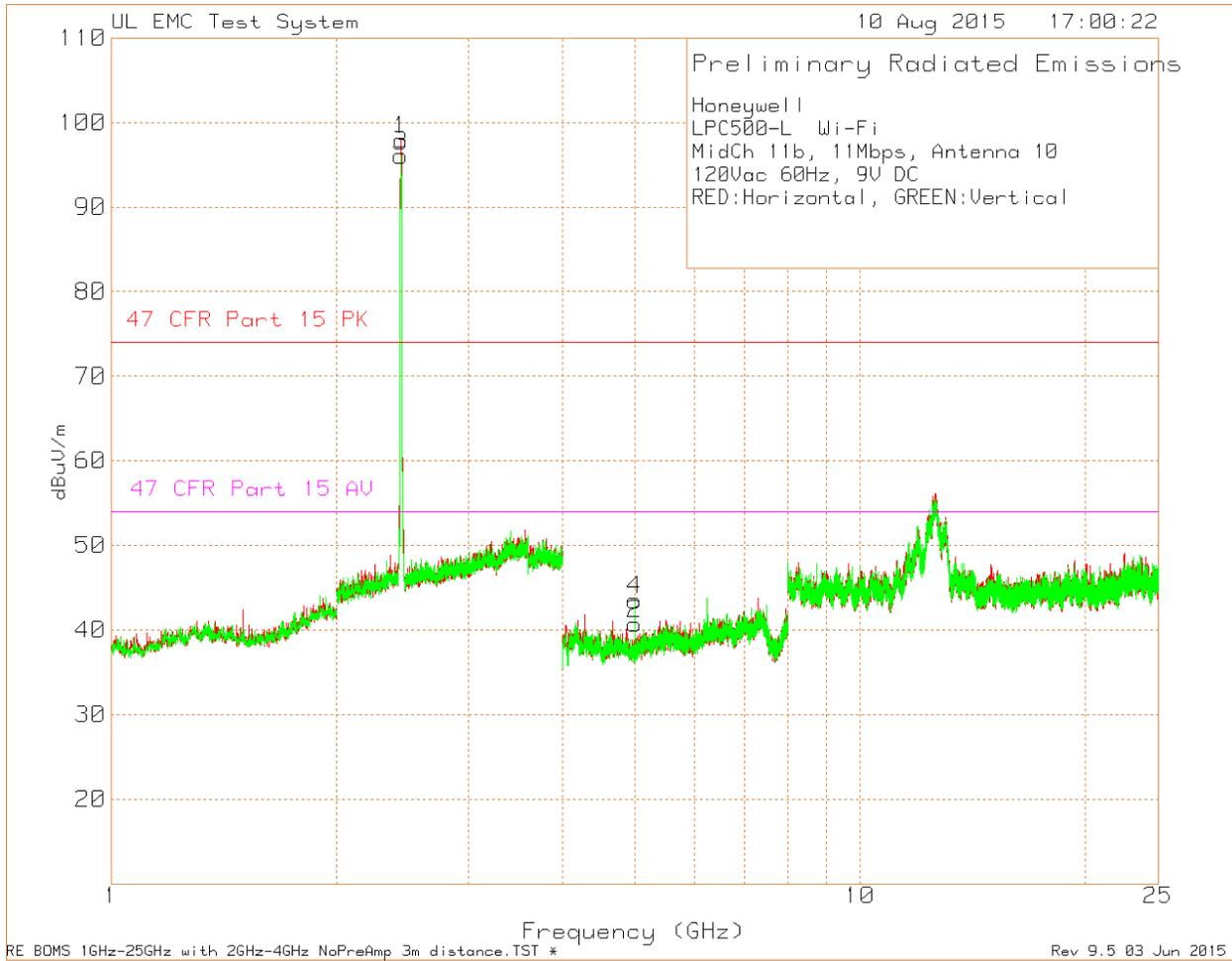


Honeywell													
LPC500-L Wi-Fi													
HiCh 11b, 11Mbps, Antenna 10													
Vert Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4631	75.32	Pk	22	4.49	101.81	-	-	-	-	76	163	V
2	2.4835	25.36	Pk	22.1	4.37	51.83	-	-	-	-	76	163	V
3	2.4835	24.97	Pk	22.1	4.37	51.44	74	-22.56	-	-	76	163	V
4	2.4836	25.86	Pk	22.1	4.37	52.33	74	-21.67	-	-	76	163	V
5	2.4631	67.92	AV	22	4.49	96.31	-	-	-	-	76	163	V
6	2.4835	14.83	AV	22.1	4.37	43.2	-	-	-	-	76	163	V
7	2.4835	14.61	AV	22.1	4.37	42.98	-	-	54	-11.02	76	163	V
8	2.4836	14.64	AV	22.1	4.37	43.01	-	-	54	-10.99	76	163	V

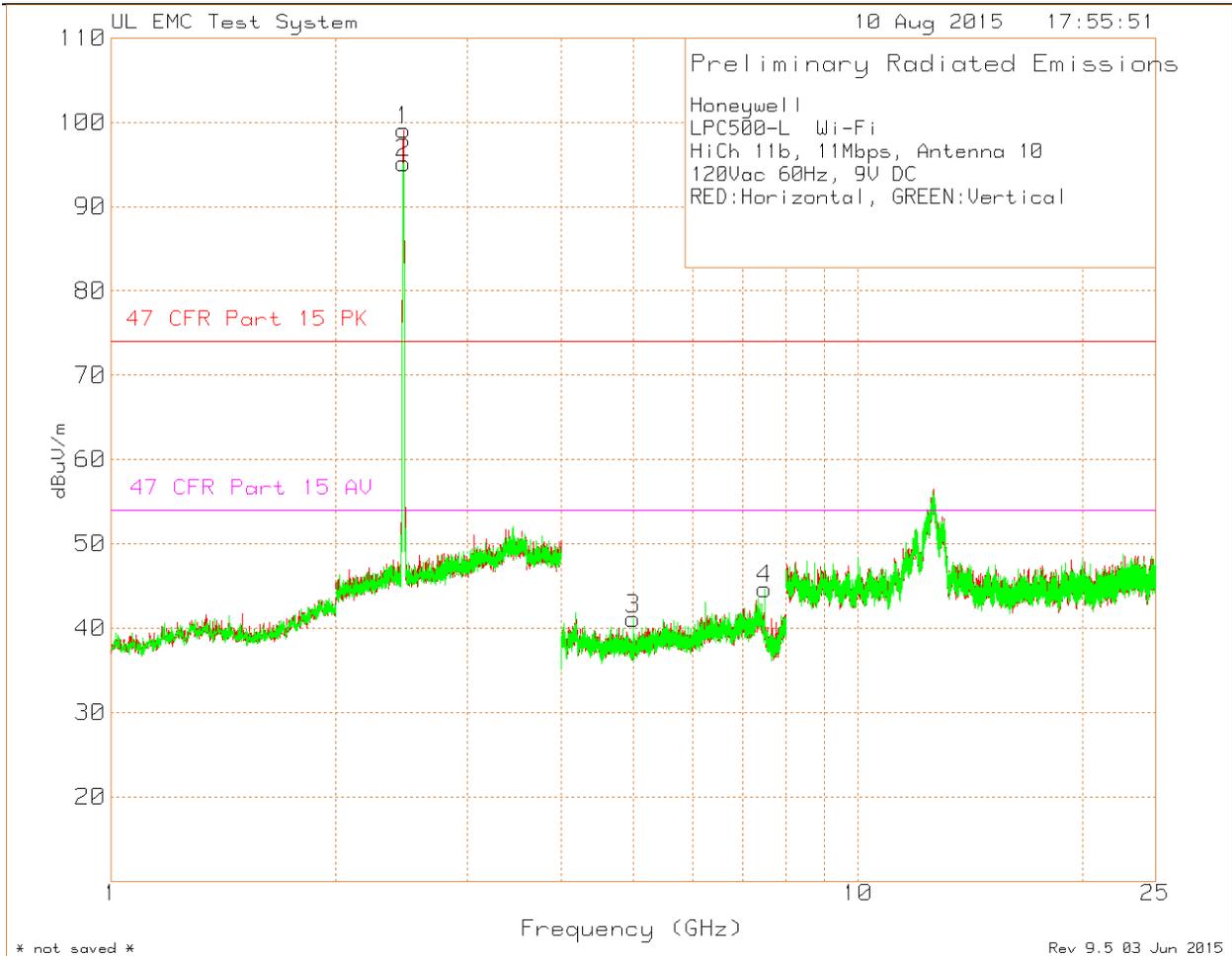
**HARMONICS AND SPURIOUS EMISSIONS**



Honeywell												
LPC500-L Wi-Fi												
LoCh 11b, 11Mbps, Antenna 10												
120Vac 60Hz, 9V DC												
RED:Horizontal, GREEN:Vertical												
Test	Meter		Antenna		Corrected	47 CFR		47 CFR		Azimuth	Height	
Frequenc	Reading	Detector	Factor	Gain/Loss	Reading	Part 15	Margin	Part 15	Margin	[Degs]	[cm]	Polarity
y (GHz)	(dBuV)		dB/m	(dB)	dBuV/m	PK	(dB)	AV	(dB)			
2.413	72.4	Pk	21.8	4.57	98.77	-	-	-	-	0-360	99	H
5	62.84	Pk	27.8	-50.8	39.84	74	-34.16	54	-14.16	0-360	149	H
2.412	70.45	Pk	21.8	4.57	96.82	-	-	-	-	0-360	150	V
5	66.81	Pk	27.8	-50.8	43.81	74	-30.19	54	-10.19	0-360	100	V



Honeywell													
LPC500-L Wi-Fi													
MidCh 11b, 11Mbps, Antenna 10													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.437	71.48	Pk	21.9	4.57	97.95	-	-	-	-	0-360	150	H
2	5	63.7	Pk	27.8	-50.8	40.7	74	-33.3	54	-13.3	0-360	101	H
3	2.435	69.6	Pk	21.9	4.56	96.06	-	-	-	-	0-360	150	V
4	5	66.53	Pk	27.8	-50.8	43.53	74	-30.47	54	-10.47	0-360	99	V
Pk - Peak detector													

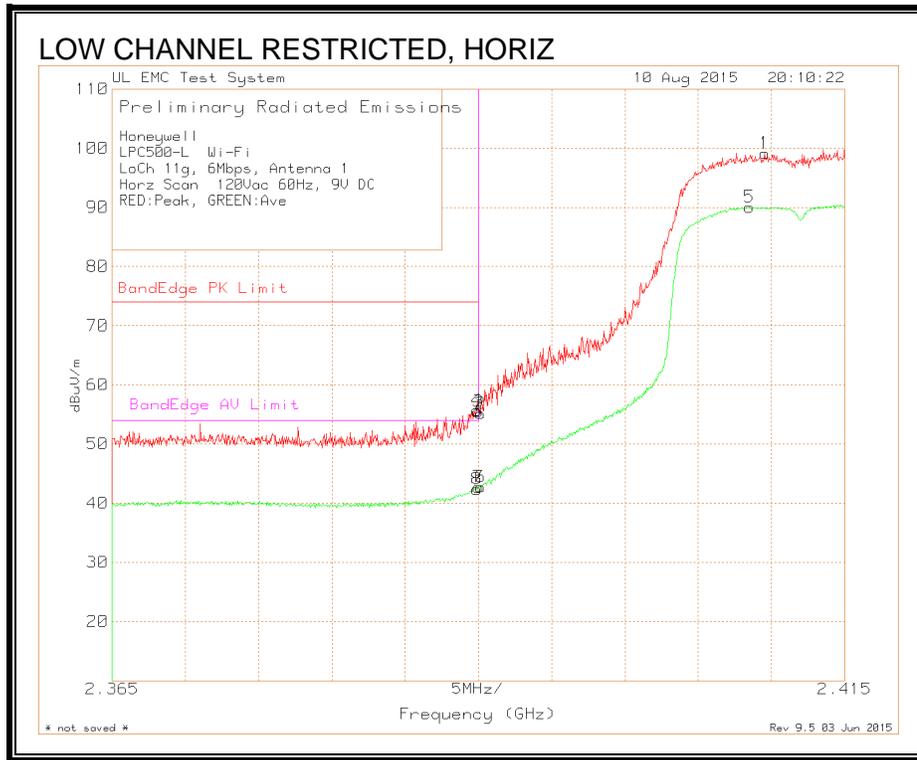


Honeywell												
LPC500-L Wi-Fi												
HiCh 11b, 11Mbps, Antenna 10												
120Vac 60Hz, 9V DC												
RED:Horizontal, GREEN:Vertical												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.463	72.6 Pk	22	4.49	99.09	-	-	-	-	0-360	150	H
2	2.462	68.68 Pk	22	4.49	95.17	-	-	-	-	0-360	150	V
3	5	64.1 Pk	27.8	-50.8	41.1	74	-32.9	54	-12.9	0-360	100	V
4	7.501	62.11 Pk	29.6	-47.05	44.66	74	-29.34	54	-9.34	0-360	100	V
Pk - Peak detector												

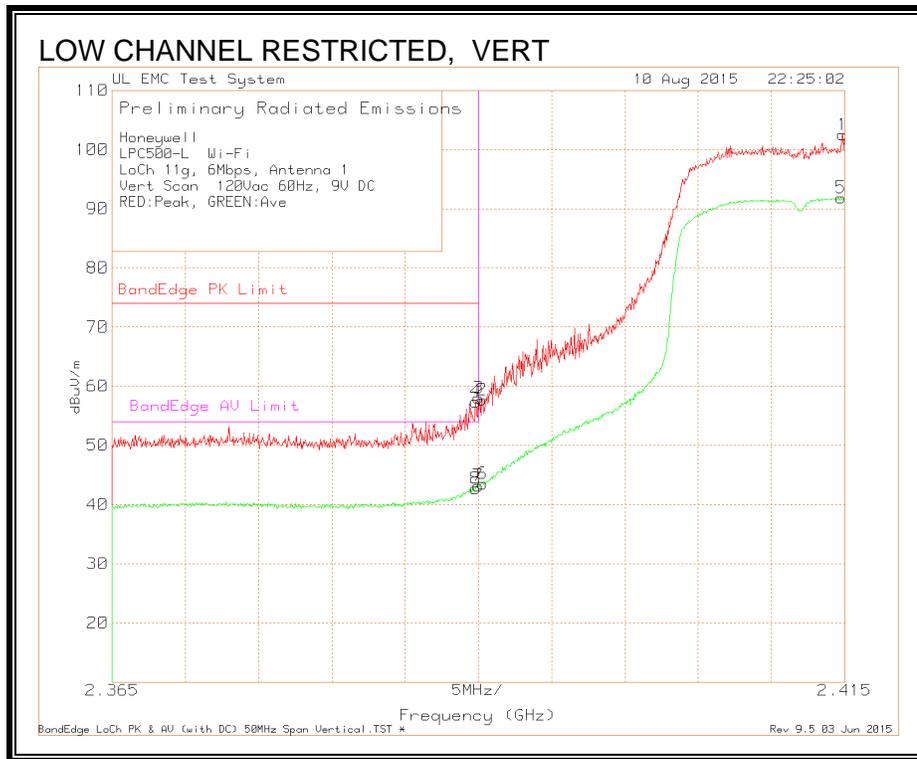
### 7.3. TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

#### Antenna 1

#### RESTRICTED BANEDGE (LOW CHANNEL)

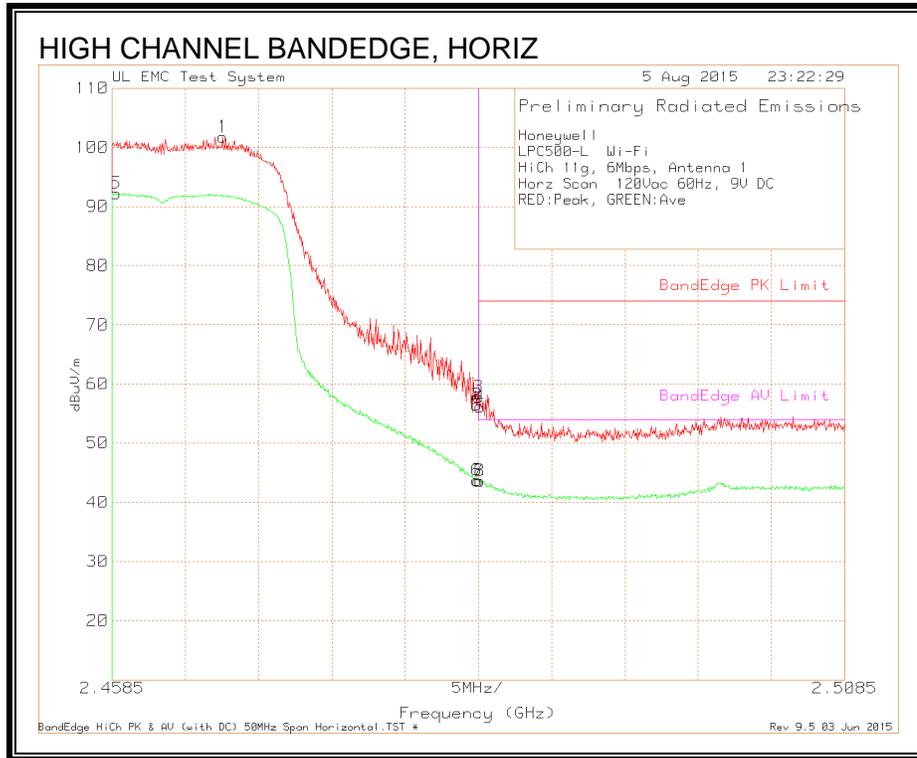


Honeywell													
LPC500-L Wi-Fi													
LoCh 11g, 6Mbps, Antenna 1													
Horz Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit	Margin (dB)	BandEdge AV Limit	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4096	72.74	Pk	21.8	4.57	99.11	-	-	-	-	316	100	H
2	2.3902	28.63	Pk	21.8	4.72	55.15	-	-	-	-	316	100	H
3	2.39	28.98	Pk	21.8	4.72	55.5	74	-18.5	-	-	316	100	H
4	2.3899	29.15	Pk	21.8	4.72	55.67	74	-18.33	-	-	316	100	H
5	2.4085	63.63	AV	21.8	4.58	90.01	-	-	-	-	316	100	H
6	2.3902	16.23	AV	21.8	4.72	42.75	-	-	-	-	316	100	H
7	2.39	16.2	AV	21.8	4.72	42.72	-	-	54	-11.28	316	100	H
8	2.3899	15.88	AV	21.8	4.72	42.4	-	-	54	-11.6	316	100	H

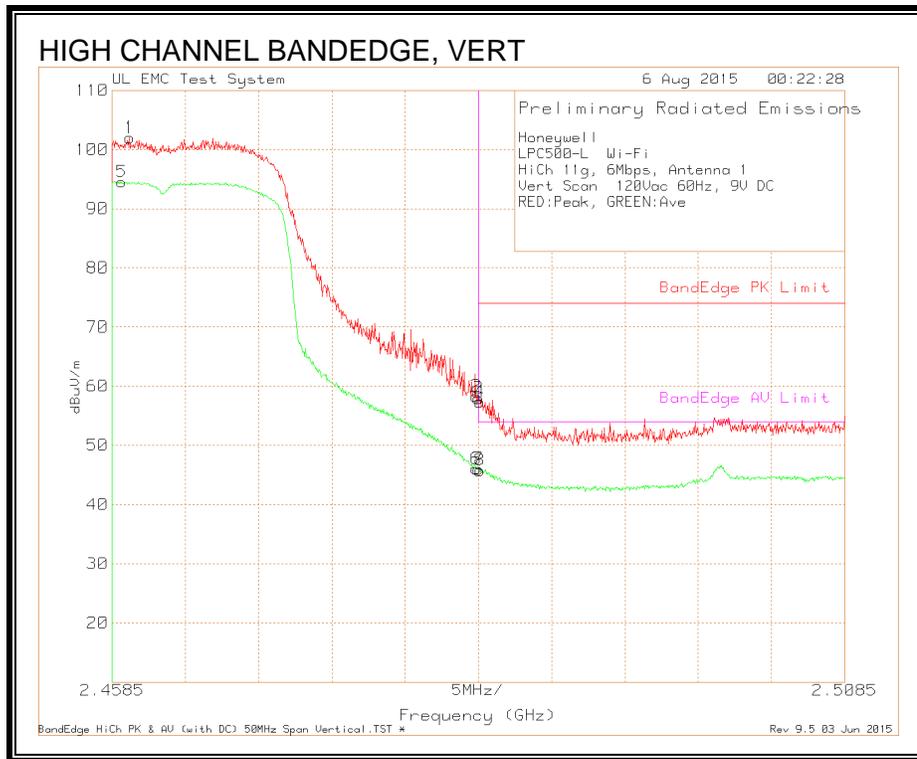


Honeywell												
LPC500-L Wi-Fi												
LoCh 11g, 6Mbps, Antenna 1												
Vert Scan 120Vac 60Hz, 9V DC												
RED:Peak, GREEN:Ave												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4149	76.16 Pk	21.8	4.56	102.52	-	-	-	-	183	166	V
2	2.3903	31.17 Pk	21.8	4.72	57.69	-	-	-	-	183	166	V
3	2.39	31.51 Pk	21.8	4.72	58.03	74	-15.97	-	-	183	166	V
4	2.3898	30.89 Pk	21.8	4.72	57.41	74	-16.59	-	-	183	166	V
5	2.4148	65.47 AV	21.8	4.56	91.83	-	-	-	-	183	166	V
6	2.3903	17.01 AV	21.8	4.72	43.53	-	-	-	-	183	166	V
7	2.39	16.66 AV	21.8	4.72	43.18	-	-	54	-10.82	183	166	V
8	2.3898	16.19 AV	21.8	4.72	42.71	-	-	54	-11.29	183	166	V

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

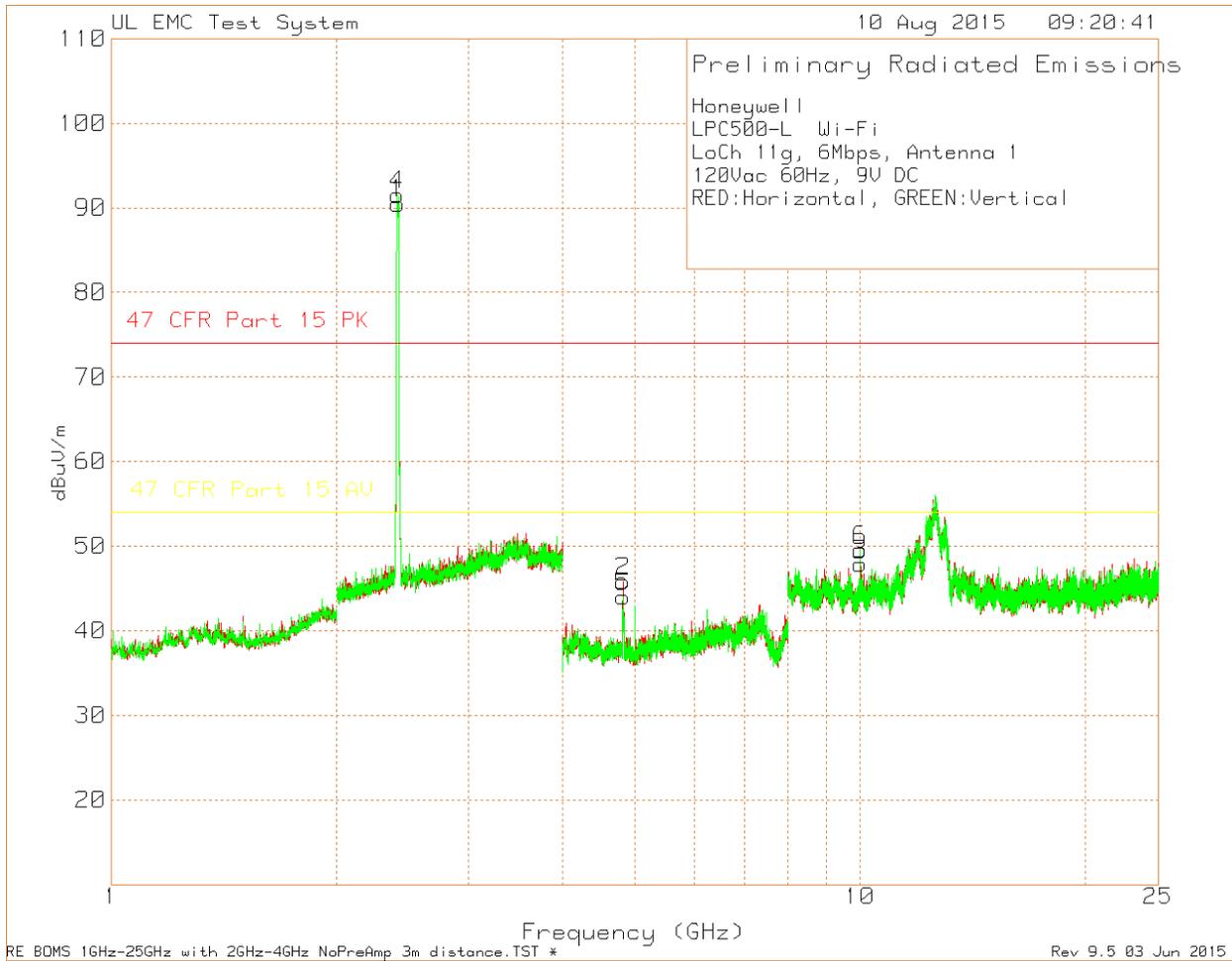


Honeywell													
LPC500-L Wi-Fi													
HiCh 11g, 6Mbps, Antenna 1													
Horz Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit	Margin (dB)	BandEdge AV Limit	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4661	75.25	Pk	22	4.5	101.75	-	-	-	-	48	100	H
2	2.4834	30.02	Pk	22.1	4.37	56.49	-	-	-	-	48	100	H
3	2.4835	31.33	Pk	22.1	4.37	57.8	74	-16.2	-	-	48	100	H
4	2.4836	29.64	Pk	22.1	4.37	56.11	74	-17.89	-	-	48	100	H
5	2.4588	65.73	AV	22	4.48	92.21	-	-	-	-	48	100	H
6	2.4834	17.29	AV	22.1	4.37	43.76	-	-	-	-	48	100	H
7	2.4835	17.14	AV	22.1	4.37	43.61	-	-	54	-10.39	48	100	H
8	2.4836	17.15	AV	22.1	4.37	43.62	-	-	54	-10.38	48	100	H

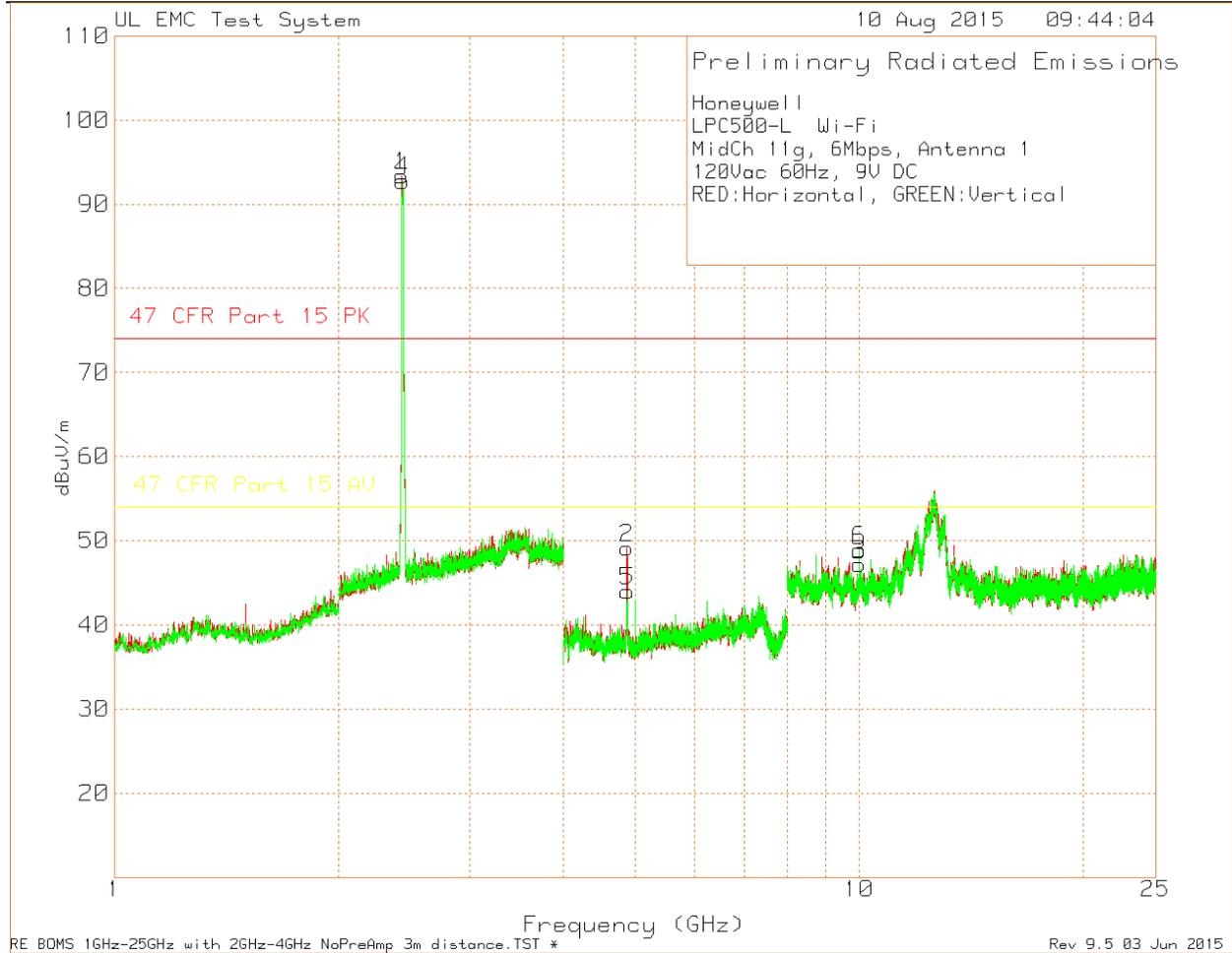


Honeywell													
LPC500-L Wi-Fi													
HiCh 11g, 6Mbps, Antenna 1													
Vert Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4597	75.49	Pk	22	4.48	101.97	-	-	-	-	200	124	V
2	2.4834	31.82	Pk	22.1	4.37	58.29	-	-	-	-	200	124	V
3	2.4835	31.51	Pk	22.1	4.37	57.98	74	-16.02	-	-	200	124	V
4	2.4836	30.91	Pk	22.1	4.37	57.38	74	-16.62	-	-	200	124	V
5	2.4592	66.17	AV	22	4.48	94.55	-	-	-	-	200	124	V
6	2.4834	17.71	AV	22.1	4.37	46.08	-	-	-	-	200	124	V
7	2.4835	17.67	AV	22.1	4.37	46.04	-	-	54	-7.96	200	124	V
8	2.4836	17.43	AV	22.1	4.37	45.8	-	-	54	-8.2	200	124	V

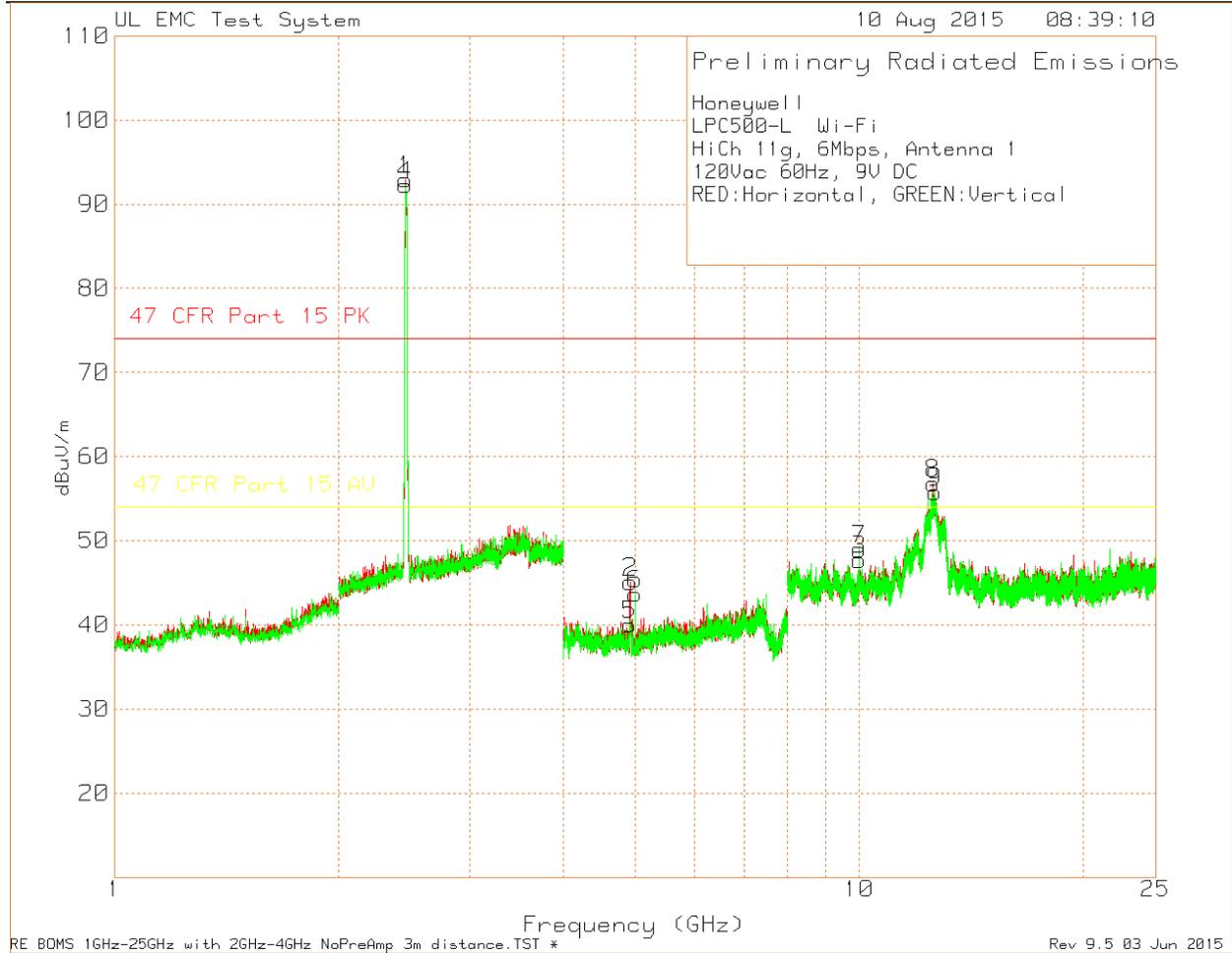
**HARMONICS AND SPURIOUS EMISSIONS**



Honeywell													
LPC500-L Wi-Fi													
LoCh 11g, 6Mbps, Antenna 1													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.413	64.15 Pk	21.8	4.57	90.52	-	-	-	-	0-360	150	H	
2	4.824	68.63 Pk	27.7	-50.48	45.85	74	-28.15	54	-8.15	0-360	101	H	
3	10	58.8 Pk	36.4	-47.3	47.9	74	-26.1	54	-6.1	0-360	150	H	
4	2.41	65.15 Pk	21.8	4.57	91.52	-	-	-	-	0-360	150	V	
5	4.821	66.85 Pk	27.7	-50.53	44.02	74	-29.98	54	-9.98	0-360	150	V	
6	10	60.42 Pk	36.4	-47.3	49.52	74	-24.48	54	-4.48	0-360	100	V	
Pk - Peak detector													



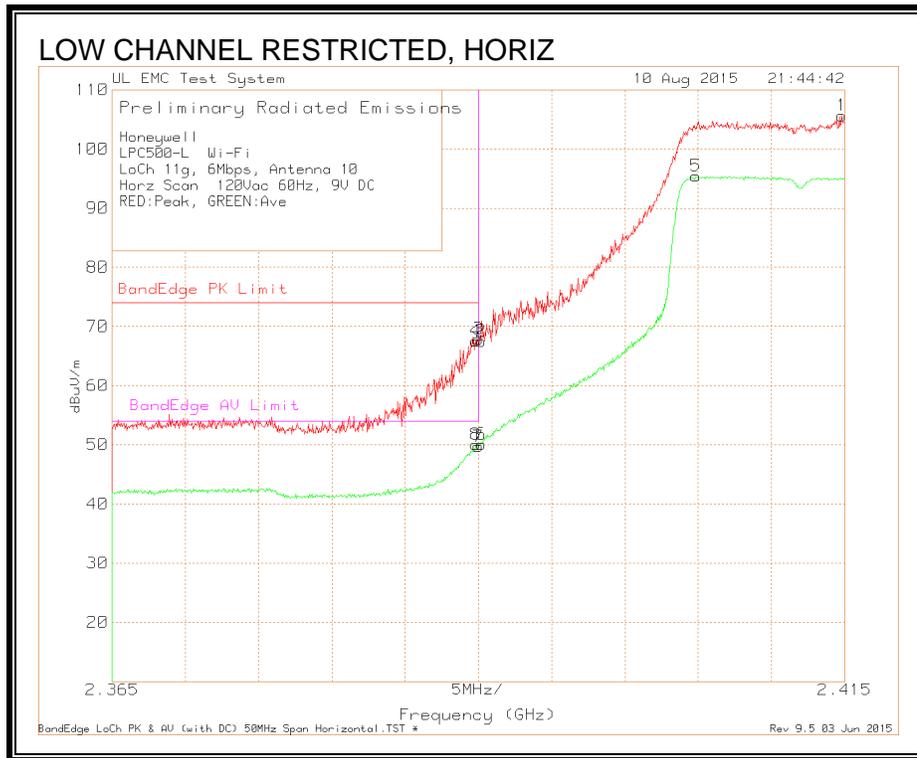
Honeywell													
LPC500-L Wi-Fi													
MidCh 11g, 6Mbps, Antenna 1													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.43	66.93 Pk	21.9	4.55	93.38	-	-	-	-	0-360	99	H	
2	4.875	71.74 Pk	27.7	-50.3	49.14	74	-24.86	54	-4.86	0-360	101	H	
3	10	58.1 Pk	36.4	-47.3	47.2	74	-26.8	54	-6.8	0-360	150	H	
4	2.435	66.31 Pk	21.9	4.56	92.77	-	-	-	-	0-360	100	V	
5	4.885	66.71 Pk	27.7	-50.41	44	74	-30	54	-10	0-360	100	V	
6	10	59.72 Pk	36.4	-47.3	48.82	74	-25.18	54	-5.18	0-360	150	V	
Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity		
4.875	74.57 Pk	27.7	-50.3	51.97	74	-22.03	-	-	71	100	H		
4.8742	58.89 Av	27.7	-50.29	36.3	74	-37.7	54	-17.7	71	100	H		
Pk - Peak detector													
Av - Average detection													



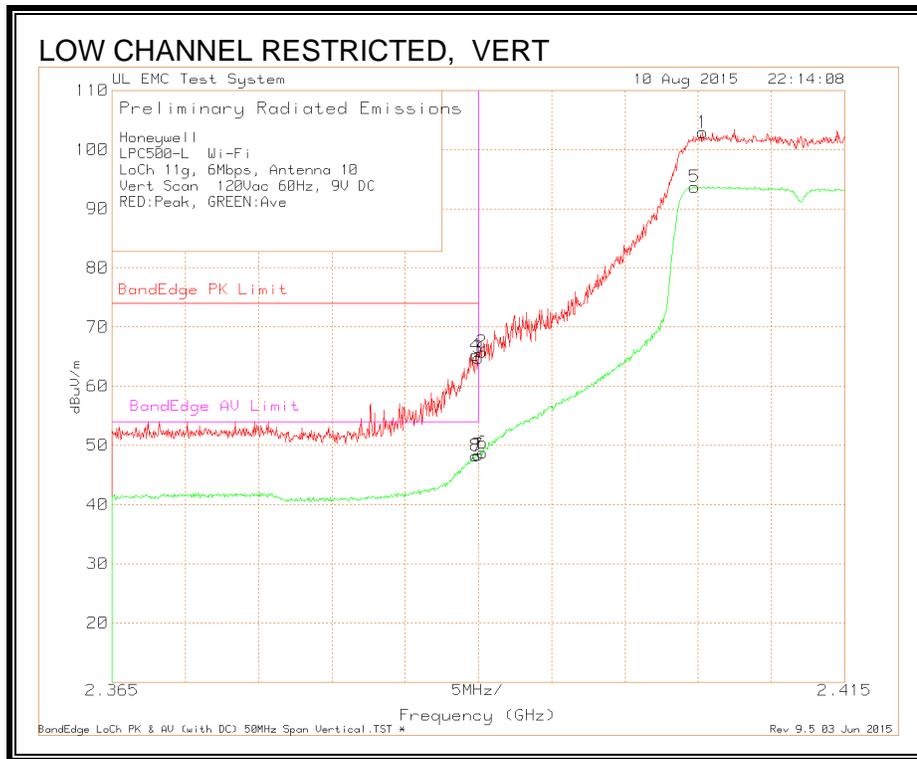
Honeywell													
LPC500-L Wi-Fi													
HiCh 11g, 6Mbps, Antenna 1													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.457	66.46	Pk	22	4.48	92.94	-	-	-	0-360	100	H	
2	4.923	67.93	Pk	27.8	-50.65	45.08	74	-28.92	54	-8.92	0-360	149	H
3	10	58.63	Pk	36.4	-47.3	47.73	74	-26.27	54	-6.27	0-360	150	H
8	12.561	52.8	Pk	39.4	-35.4	56.8	74	-17.2	54	2.8	0-360	150	H
4	2.457	65.78	Pk	22	4.48	92.26	-	-	-	0-360	150	V	
5	4.915	62.78	Pk	27.8	-50.56	40.02	74	-33.98	54	-13.98	0-360	150	V
6	5	66.68	Pk	27.8	-50.8	43.68	74	-30.32	54	-10.32	0-360	100	V
7	10	59.86	Pk	36.4	-47.3	48.96	74	-25.04	54	-5.04	0-360	99	V
9	12.642	50.5	Pk	39.5	-34.22	55.78	74	-18.22	54	1.78	0-360	99	V
Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity		
12.5617	53.26	Pk	39.4	-35.41	57.25	74	-16.75	-	54	119	H		
12.5621	46.4	Av	39.4	-35.41	50.39	-	-	54	-3.61	54	119	H	
9.9996	64.73	Pk	36.4	-47.31	53.82	74	-20.18	-	122	100	V		
9.9999	56.04	Av	36.4	-47.31	45.13	-	-	54	-8.87	122	100	V	
12.6426	57.87	Pk	39.5	-34.24	63.13	74	-10.87	-	170	100	V		
12.6412	45.7	Av	39.5	-34.2	51	-	-	54	-3	170	100	V	
Pk - Peak detector													
Av - Average detection													

**Antenna 2**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

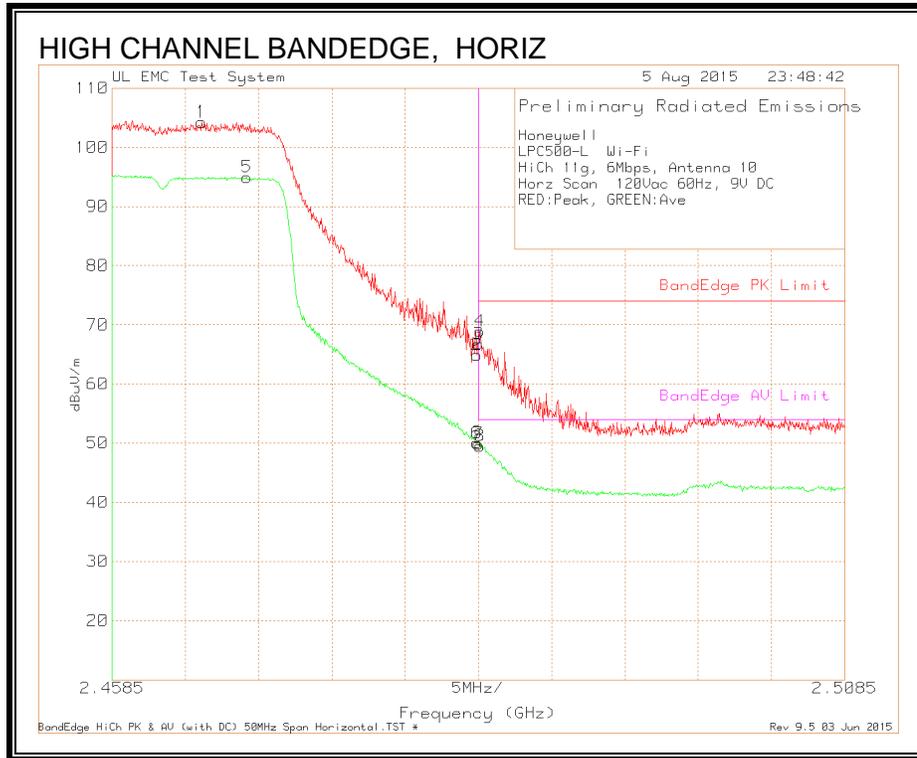


Honeywell													
LPC500-L Wi-Fi													
LoCh 11g, 6Mbps, Antenna 10													
Horz Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Meter Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit	Margin (dB)	BandEdge AV Limit	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4148	79.29	Pk	21.8	4.56	105.65	-	-	-	-	311	100	H
2	2.3902	40.97	Pk	21.8	4.72	67.49	-	-	-	-	311	100	H
3	2.39	41.35	Pk	21.8	4.72	67.87	74	-6.13	-	-	311	100	H
4	2.3898	41.05	Pk	21.8	4.72	67.57	74	-6.43	-	-	311	100	H
5	2.4049	69.05	AV	21.8	4.58	95.43	-	-	-	-	311	100	H
6	2.3902	23.55	AV	21.8	4.72	50.07	-	-	-	-	311	100	H
7	2.39	23.2	AV	21.8	4.72	49.72	-	-	54	-4.28	311	100	H
8	2.3898	23.52	AV	21.8	4.72	50.04	-	-	54	-3.96	311	100	H

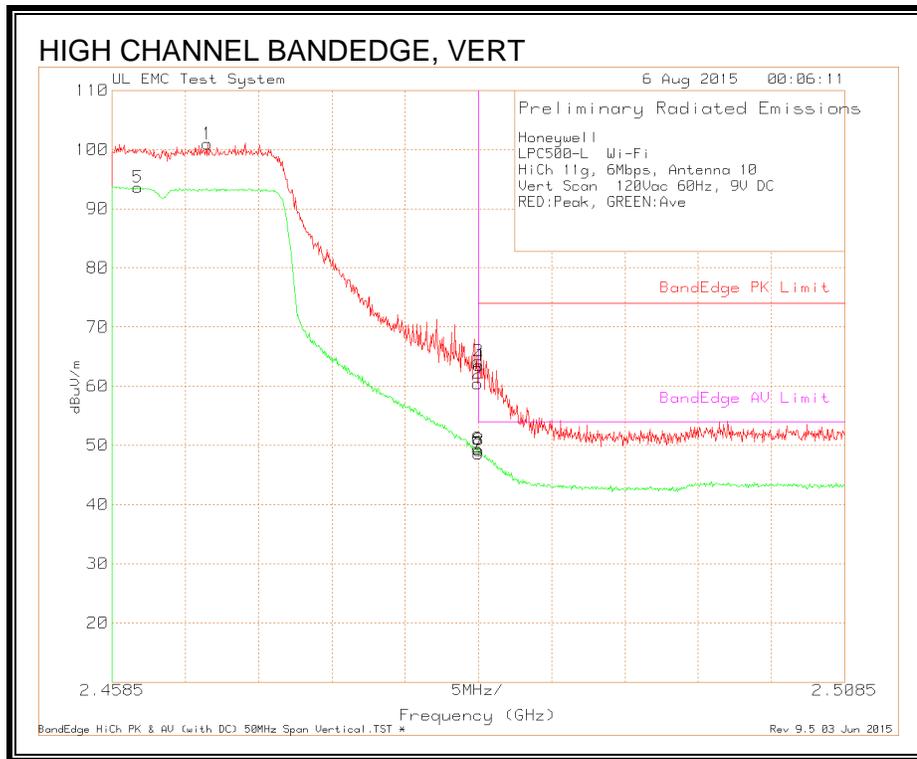


Honeywell												
LPC500-L Wi-Fi												
LoCh 11g, 6Mbps, Antenna 10												
Vert Scan 120Vac 60Hz, 9V DC												
RED:Peak, GREEN:Ave												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4053	76.5 Pk	21.8	4.58	102.88	-	-	-	-	334	278	V
2	2.3903	39.25 Pk	21.8	4.72	65.77	-	-	-	-	334	278	V
3	2.39	38.29 Pk	21.8	4.72	64.81	74	-9.19	-	-	334	278	V
4	2.3898	38.7 Pk	21.8	4.72	65.22	74	-8.78	-	-	334	278	V
5	2.4048	67.34 AV	21.8	4.58	93.72	-	-	-	-	334	278	V
6	2.3903	22.2 AV	21.8	4.72	48.72	-	-	-	-	334	278	V
7	2.39	21.84 AV	21.8	4.72	48.36	-	-	54	-5.64	334	278	V
8	2.3898	21.72 AV	21.8	4.72	48.24	-	-	54	-5.76	334	278	V

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

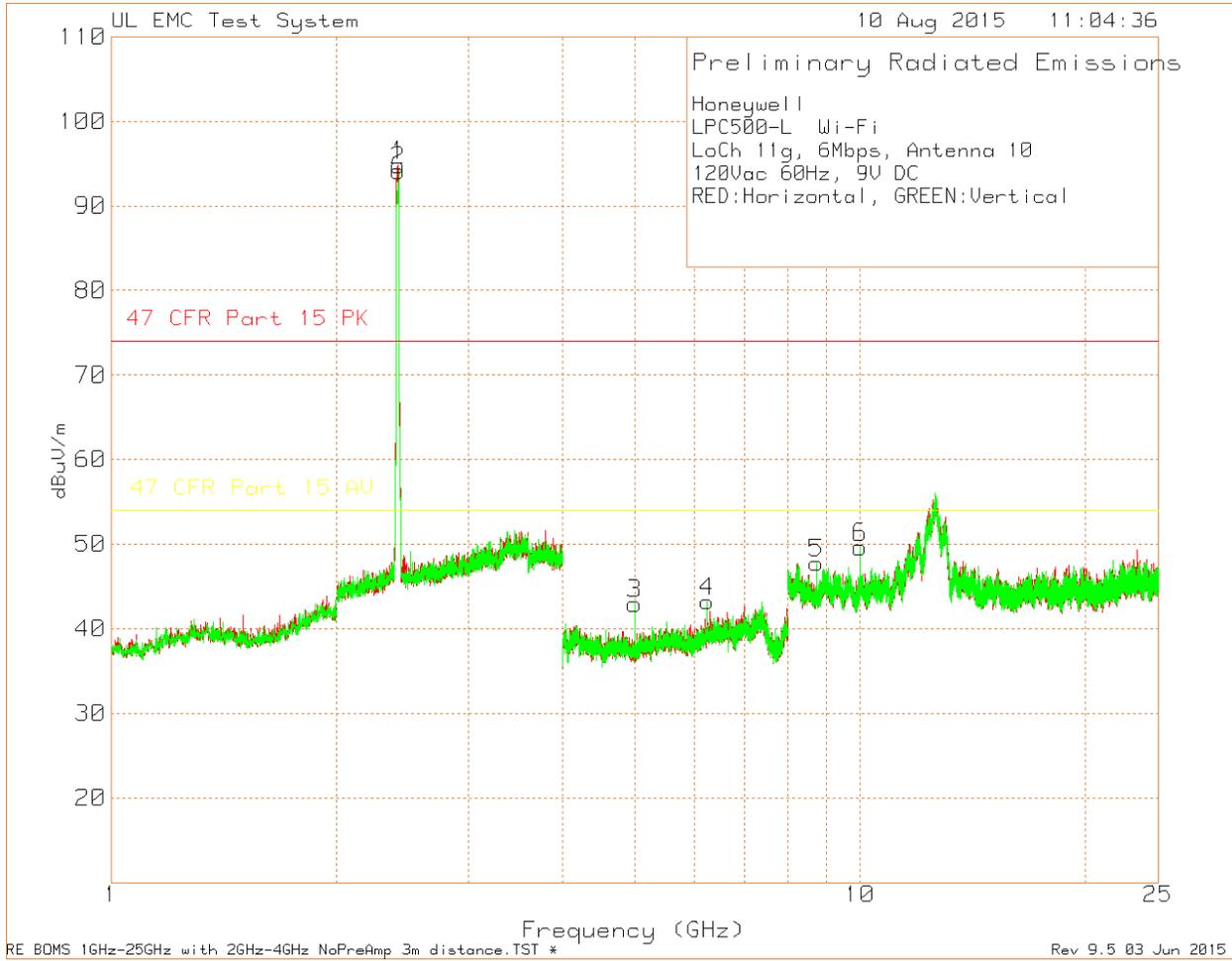


Honeywell													
LPC500-L Wi-Fi													
HiCh 11g, 6Mbps, Antenna 10													
Horz Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit	Margin (dB)	BandEdge AV Limit	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4646	77.77	Pk	22	4.49	104.26	-	-	-	-	50	100	H
2	2.4834	38.43	Pk	22.1	4.37	64.9	-	-	-	-	50	100	H
3	2.4835	40.32	Pk	22.1	4.37	66.79	74	-7.21	-	-	50	100	H
4	2.4836	42.47	Pk	22.1	4.37	68.94	74	-5.06	-	-	50	100	H
5	2.4677	68.49	AV	22	4.48	94.97	-	-	-	-	50	100	H
6	2.4834	23.6	AV	22.1	4.37	50.07	-	-	-	-	50	100	H
7	2.4835	23.42	AV	22.1	4.37	49.89	-	-	54	-4.11	50	100	H
8	2.4836	23.06	AV	22.1	4.37	49.53	-	-	54	-4.47	50	100	H

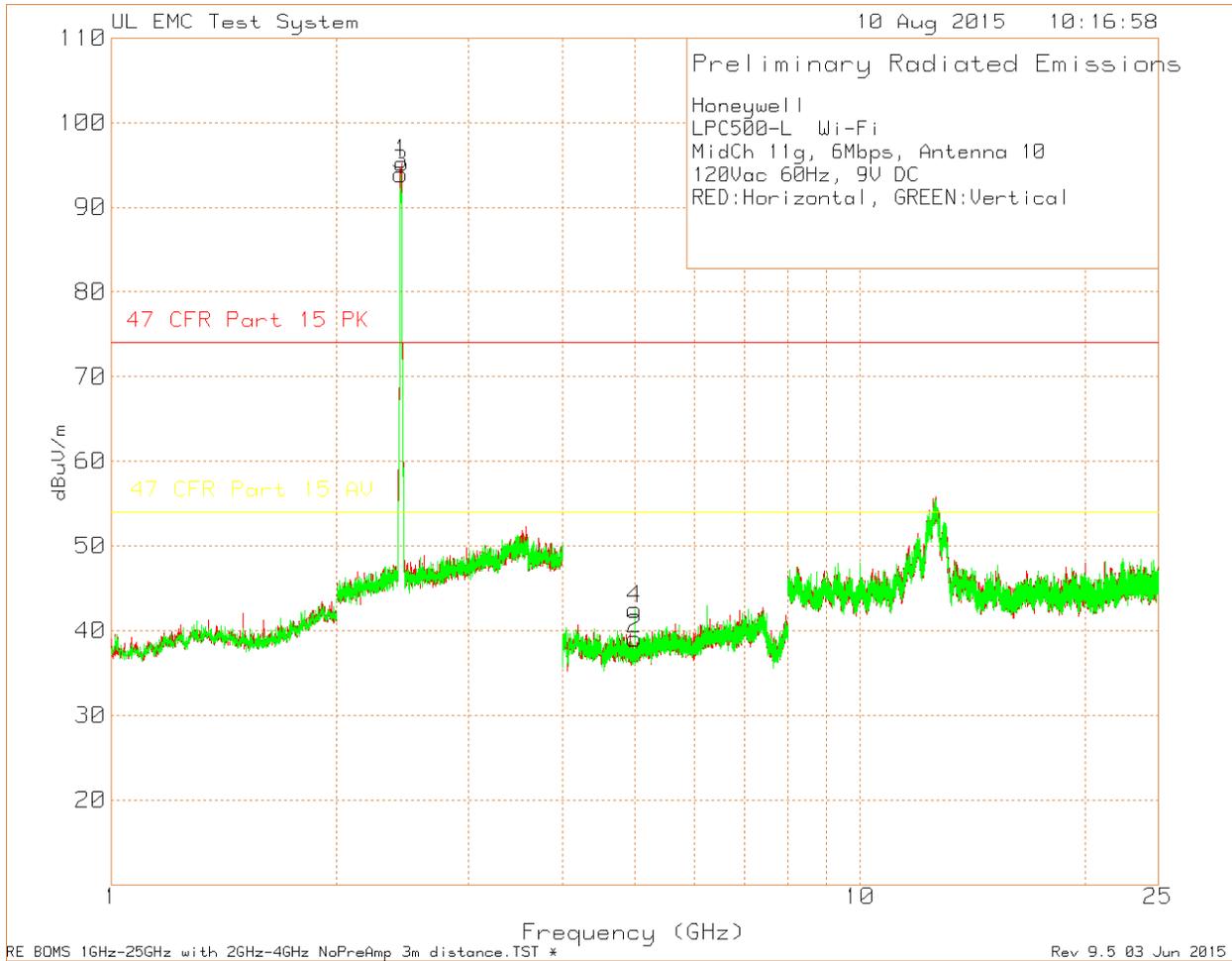


Honeywell												
LPC500-L Wi-Fi												
HiCh 11g, 6Mbps, Antenna 10												
Vert Scan 120Vac 60Hz, 9V DC												
RED:Peak, GREEN:Ave												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.465	74.46 Pk	22	4.49	100.95	-	-	-	-	76	163	V
2	2.4835	33.99 Pk	22.1	4.37	60.46	-	-	-	-	76	163	V
3	2.4835	37.77 Pk	22.1	4.37	64.24	74	-9.76	-	-	76	163	V
4	2.4836	37.09 Pk	22.1	4.37	63.56	74	-10.44	-	-	76	163	V
5	2.4603	65.23 AV	22	4.48	93.61	-	-	-	-	76	163	V
6	2.4835	21.03 AV	22.1	4.37	49.4	-	-	-	-	76	163	V
7	2.4835	20.25 AV	22.1	4.37	48.62	-	-	54	-5.38	76	163	V
8	2.4836	20.85 AV	22.1	4.37	49.22	-	-	54	-4.78	76	163	V

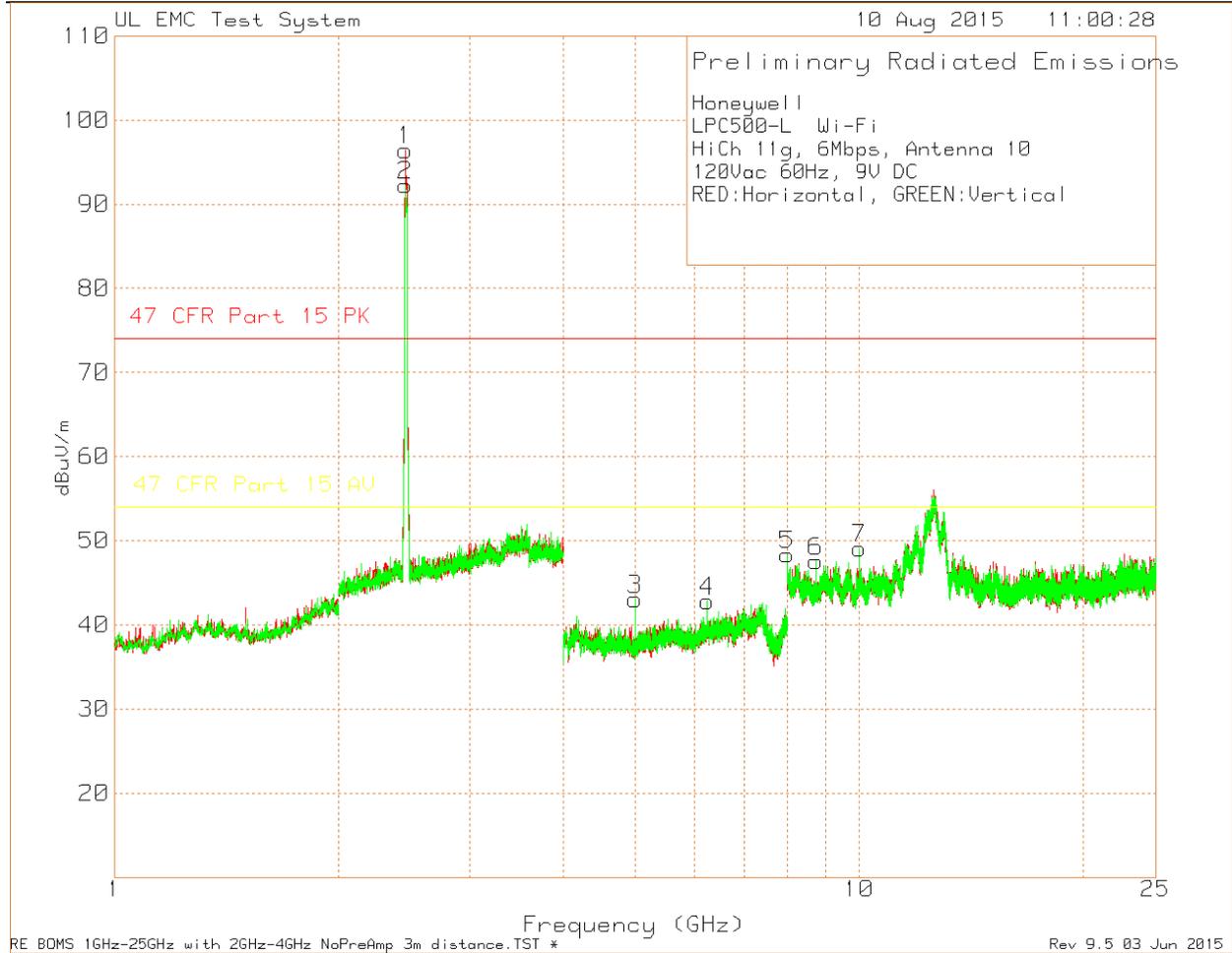
**HARMONICS AND SPURIOUS EMISSIONS**



Honeywell													
LPC500-L Wi-Fi													
LoCh 11g, 6Mbps, Antenna 10													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity		
1	2.417	68.34 Pk	21.9	4.56	94.8	-	-	-	0-360	100	H		
2	2.418	67.72 Pk	21.9	4.55	94.17	-	-	-	0-360	100	V		
3	5	65.93 Pk	27.8	-50.8	42.93	74	-31.07	54	-11.07	0-360	100	V	
4	6.25	61.19 Pk	29.2	-47.17	43.22	74	-30.78	54	-10.78	0-360	150	V	
5	8.75	61.48 Pk	36.2	-49.91	47.77	74	-26.23	54	-6.23	0-360	100	V	
6	10	60.53 Pk	36.4	-47.3	49.63	74	-24.37	54	-4.37	0-360	100	V	



Honeywell													
LPC500-L Wi-Fi													
MidCh 11g, 6Mbps, Antenna 10													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.444	68.71 Pk	21.9	4.6	95.21	-	-	-	-	0-360	99	H	
2	5	62.04 Pk	27.8	-50.8	39.04	74	-34.96	54	-14.96	0-360	149	H	
3	2.435	67.44 Pk	21.9	4.56	93.9	-	-	-	-	0-360	100	V	
4	5	65.51 Pk	27.8	-50.8	42.51	74	-31.49	54	-11.49	0-360	99	V	

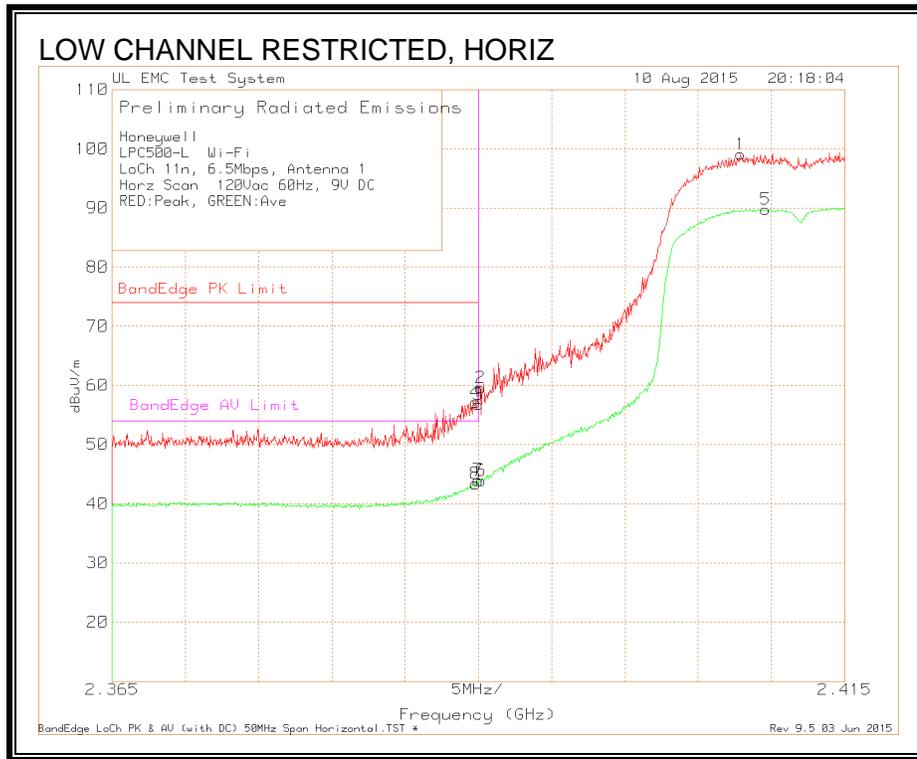


Honeywell												
LPC500-L Wi-Fi												
HiCh 11g, 6Mbps, Antenna 10												
120Vac 60Hz, 9V DC												
RED:Horizontal, GREEN:Vertical												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.458	69.94 Pk	22	4.48	96.42	-	-	-	42.42	0-360	150	H
2	2.457	65.78 Pk	22	4.48	92.26	-	-	-	-	0-360	150	V
3	5	66.02 Pk	27.8	-50.8	43.02	74	-30.98	54	-10.98	0-360	150	V
4	6.25	60.77 Pk	29.2	-47.17	42.8	74	-31.2	54	-11.2	0-360	99	V
5	8.002	59.19 Pk	36.1	-46.94	48.35	74	-25.65	54	-5.65	0-360	150	V
6	8.75	61.27 Pk	36.2	-49.91	47.56	74	-26.44	54	-6.44	0-360	99	V
7	10.001	59.99 Pk	36.4	-47.29	49.1	74	-24.9	54	-4.9	0-360	99	V

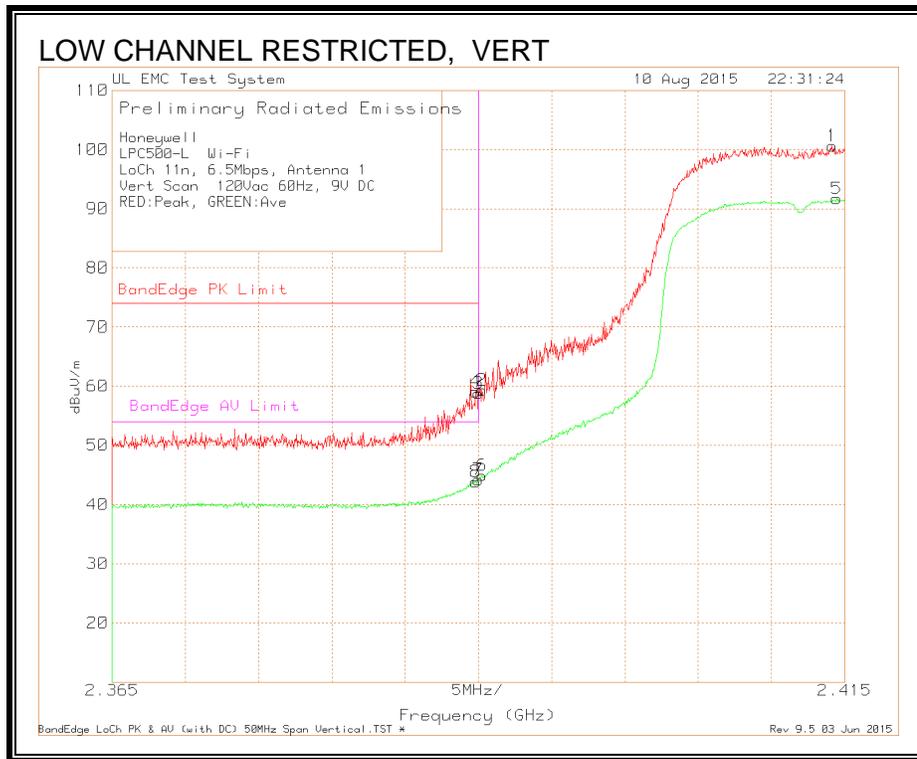
### 7.4. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

**Antenna 1**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

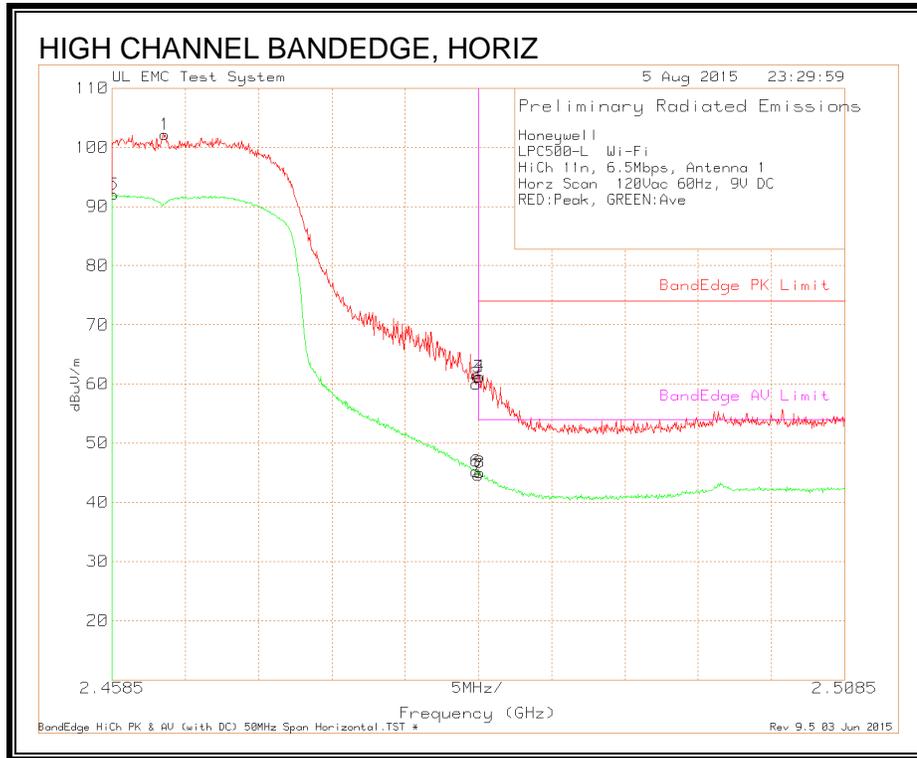


Honeywell												
LPC500-L Wi-Fi												
LoCh 11n, 6.5Mbps, Antenna 1												
Horz Scan 120Vac 60Hz, 9V DC												
RED:Peak, GREEN:Ave												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit	Margin (dB)	BandEdge AV Limit	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4079	72.72 Pk	21.8	4.58	99.1	-	-	-	-	316	100	H
2	2.3902	33.09 Pk	21.8	4.72	59.61	-	-	-	-	316	100	H
3	2.39	30.25 Pk	21.8	4.72	56.77	74	-17.23	-	-	316	100	H
4	2.3898	30.64 Pk	21.8	4.72	57.16	74	-16.84	-	-	316	100	H
5	2.4096	63.38 AV	21.8	4.57	89.75	-	-	-	-	316	100	H
6	2.3902	17.39 AV	21.8	4.72	43.91	-	-	-	-	316	100	H
7	2.39	17.41 AV	21.8	4.72	43.93	-	-	54	-10.07	316	100	H
8	2.3898	16.86 AV	21.8	4.72	43.38	-	-	54	-10.62	316	100	H

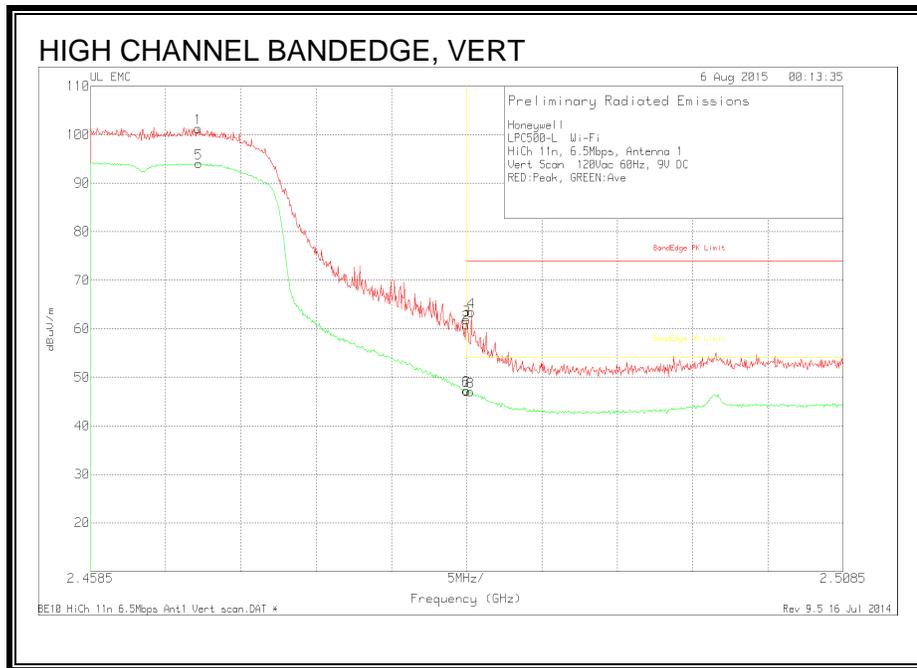


Honeywell													
LPC500-L Wi-Fi													
LoCh 11n, 6.5Mbps, Antenna 1													
Vert Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4142	74.24	Pk	21.8	4.57	100.61	-	-	-	-	183	166	V
2	2.3903	32.78	Pk	21.8	4.72	59.3	-	-	-	-	183	166	V
3	2.39	32.29	Pk	21.8	4.72	58.81	74	-15.19	-	-	183	166	V
4	2.3898	32.56	Pk	21.8	4.72	59.08	74	-14.92	-	-	183	166	V
5	2.4145	65.34	AV	21.8	4.57	91.71	-	-	-	-	183	166	V
6	2.3903	18.39	AV	21.8	4.72	44.91	-	-	-	-	183	166	V
7	2.39	17.67	AV	21.8	4.72	44.19	-	-	54	-9.81	183	166	V
8	2.3898	17.29	AV	21.8	4.72	43.81	-	-	54	-10.19	183	166	V

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

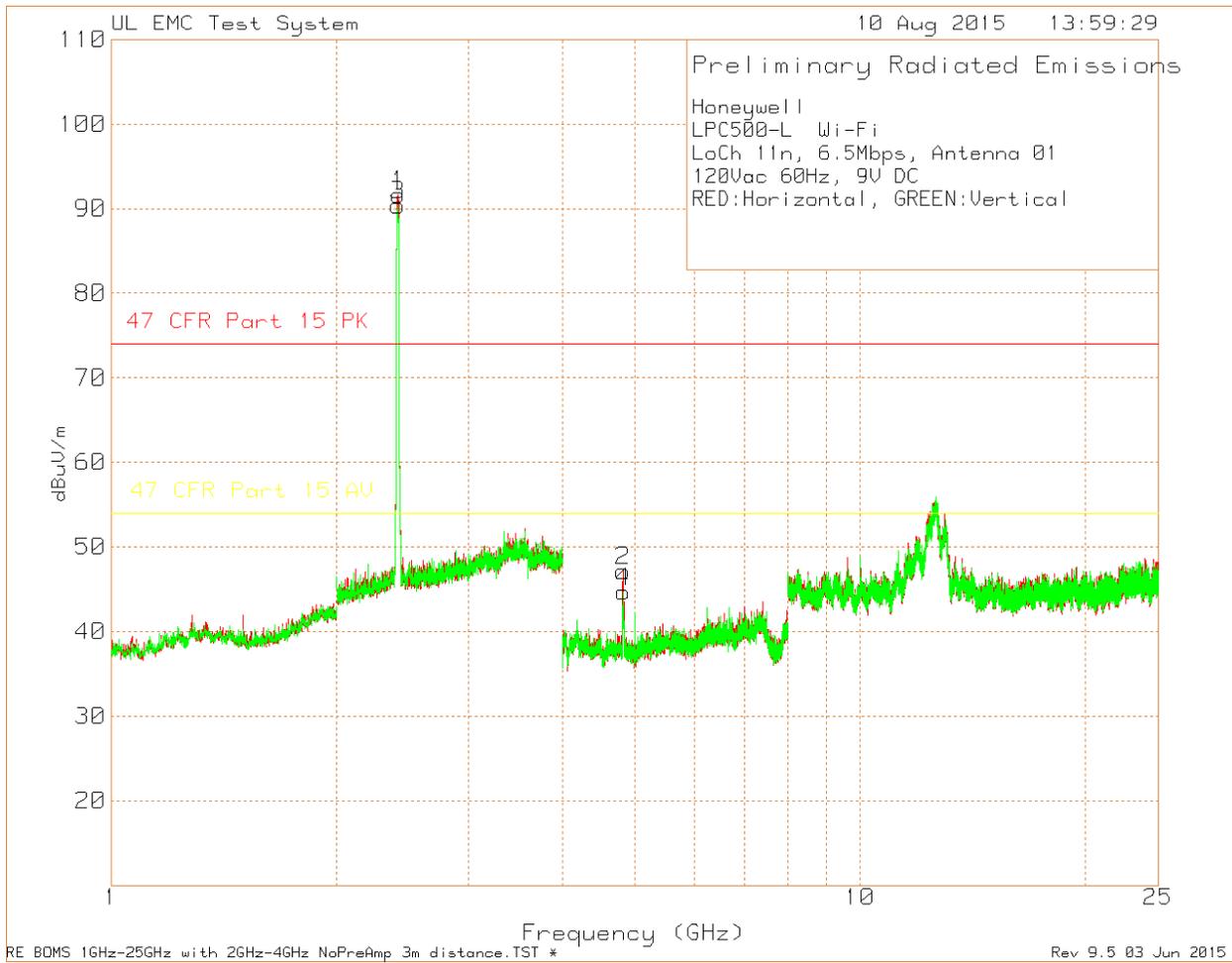


Honeywell													
LPC500-L Wi-Fi													
HiCh 11n, 6.5Mbps, Antenna 1													
Horz Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.4621	75.67 Pk	22	4.49	102.16	-	-	-	-	48	100	H	
2	2.4834	33.56 Pk	22.1	4.37	60.03	-	-	-	-	48	100	H	
3	2.4835	34.72 Pk	22.1	4.37	61.19	74	-12.81	-	-	48	100	H	
4	2.4836	34.82 Pk	22.1	4.37	61.29	74	-12.71	-	-	48	100	H	
5	2.4586	65.55 AV	22	4.48	92.03	-	-	-	-	48	100	H	
6	2.4834	18.77 AV	22.1	4.37	45.24	-	-	-	-	48	100	H	
7	2.4835	18.11 AV	22.1	4.37	44.58	-	-	54	-9.42	48	100	H	
8	2.4836	18.55 AV	22.1	4.37	45.02	-	-	54	-8.98	48	100	H	

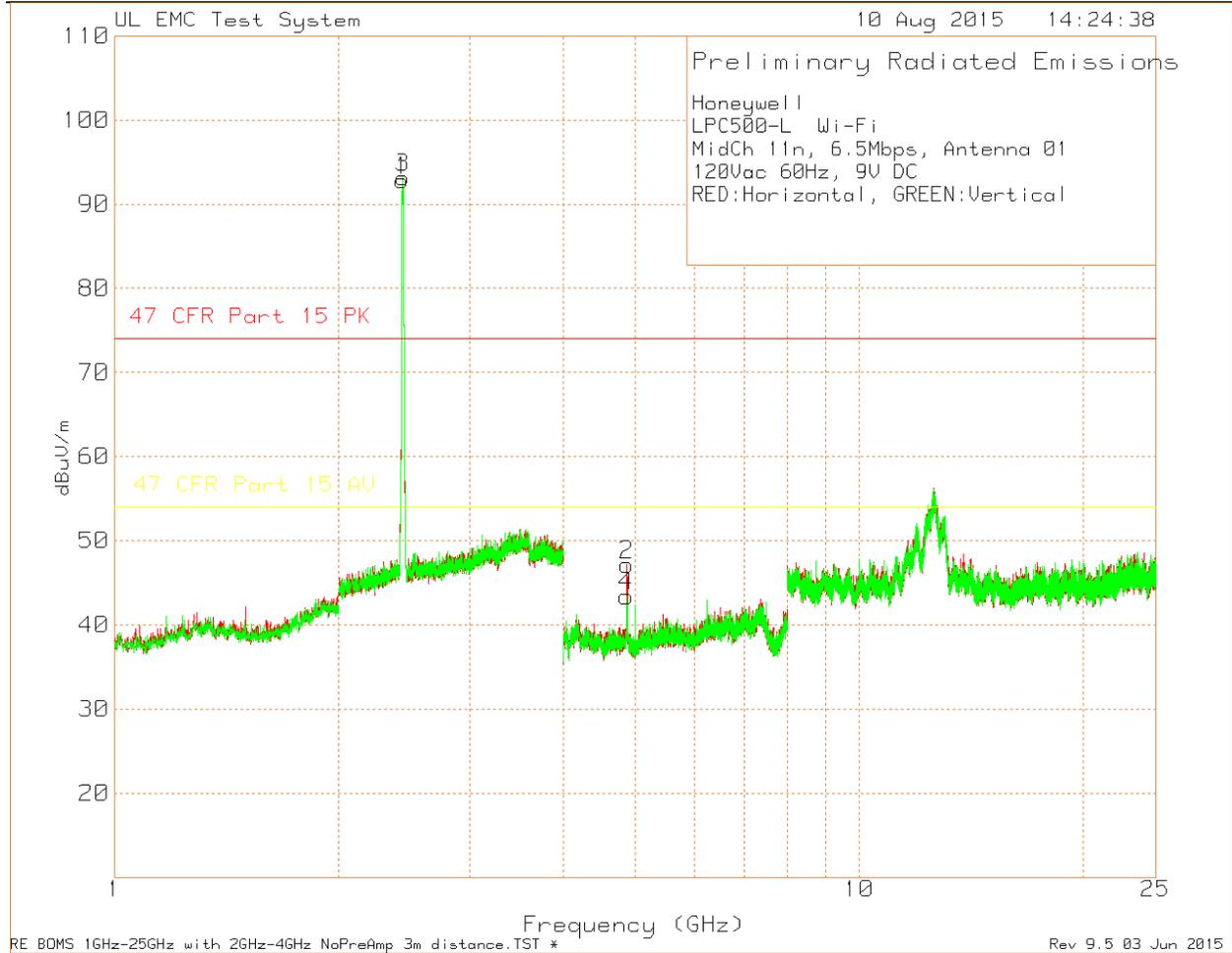


Honeywell													
LPC500-L Wi-Fi													
HiCh 11n, 6.5Mbps, Antenna 1													
Vert Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit	Margin (dB)	BandEdge AV Limit	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4657	79.33	PK	22	101.33	-	-	-	-	200	124	V	
2	2.4835	38.7	PK	22.1	60.8	-	-	-	-	200	124	V	
3	2.4835	39.73	PK	22.1	61.83	74	-12.17	-	-	200	124	V	
4	2.4838	41.33	PK	22.1	63.43	74	-10.57	-	-	200	124	V	
5	2.4657	70.16	AV	22	94.06	-	-	-	-	200	124	V	
6	2.4835	23.28	AV	22.1	47.28	-	-	-	-	200	124	V	
7	2.4835	23.2	AV	22.1	47.2	-	-	54	-6.8	200	124	V	
8	2.4838	23.04	AV	22.1	47.04	-	-	54	-6.96	200	124	V	

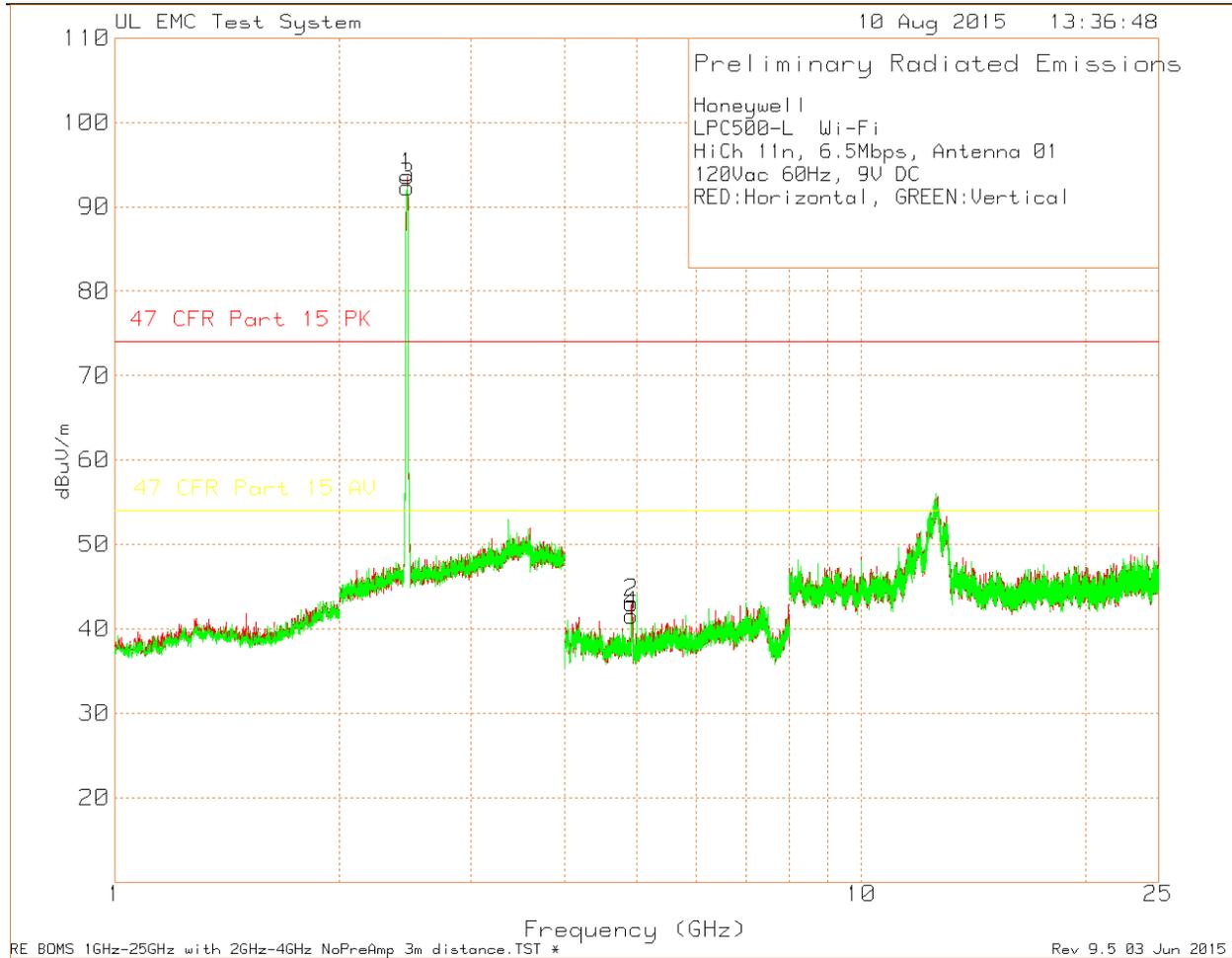
**HARMONICS AND SPURIOUS EMISSIONS**



Honeywell													
LPC500-L Wi-Fi													
LoCh 11n, 6.5Mbps, Antenna 01													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.417	65.17	Pk	21.9	4.56	91.63	-	-	-	-	0-360	99	H
2	4.824	69.94	Pk	27.7	-50.48	47.16	74	-26.84	54	-6.84	0-360	149	H
3	2.413	64.05	Pk	21.8	4.57	90.42	-	-	-	-	0-360	100	V
4	4.828	67.39	Pk	27.7	-50.41	44.68	74	-29.32	54	-9.32	0-360	150	V



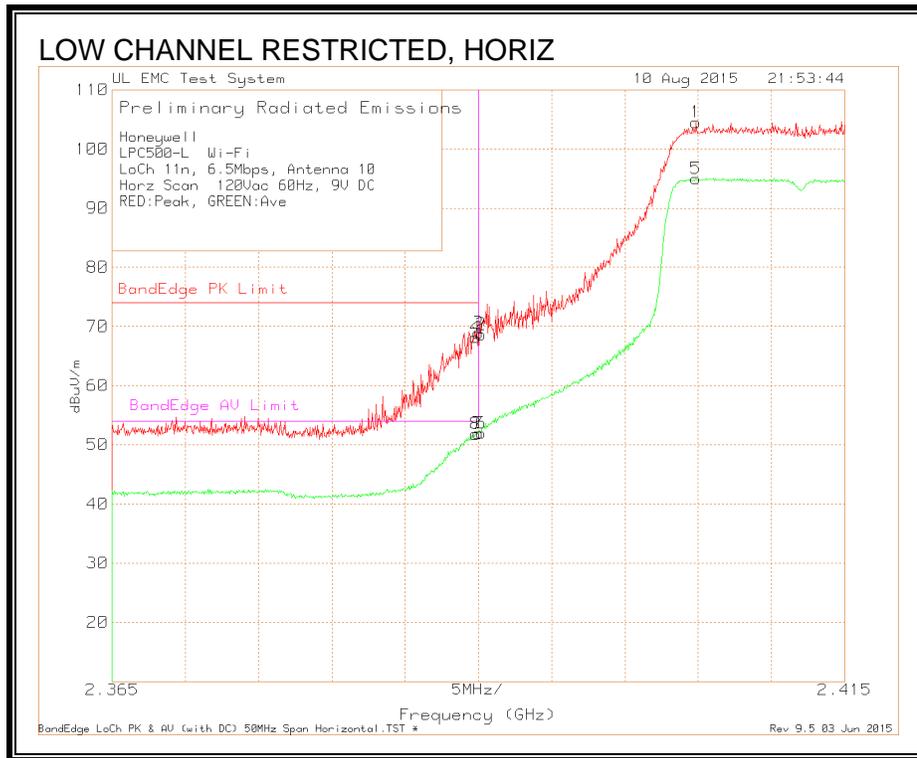
Honeywell													
LPC500-L Wi-Fi													
MidCh 11n, 6.5Mbps, Antenna 01													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequnc y (GHz)	Meter Reading(d BuV)	Antenna Factor dB/m	Gain/Loss (dB)	Corrected Reading dBuV/m	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.432	66.38 Pk	21.9	4.55	92.83	-	-	-	-	0-360	100	H	
2	4.872	69.76 Pk	27.7	-50.34	47.12	74	-26.88	54	-6.88	0-360	101	H	
3	2.438	66.71 Pk	21.9	4.57	93.18	-	-	-	-	0-360	150	V	
4	4.868	66.14 Pk	27.7	-50.42	43.42	74	-30.58	54	-10.58	0-360	100	V	



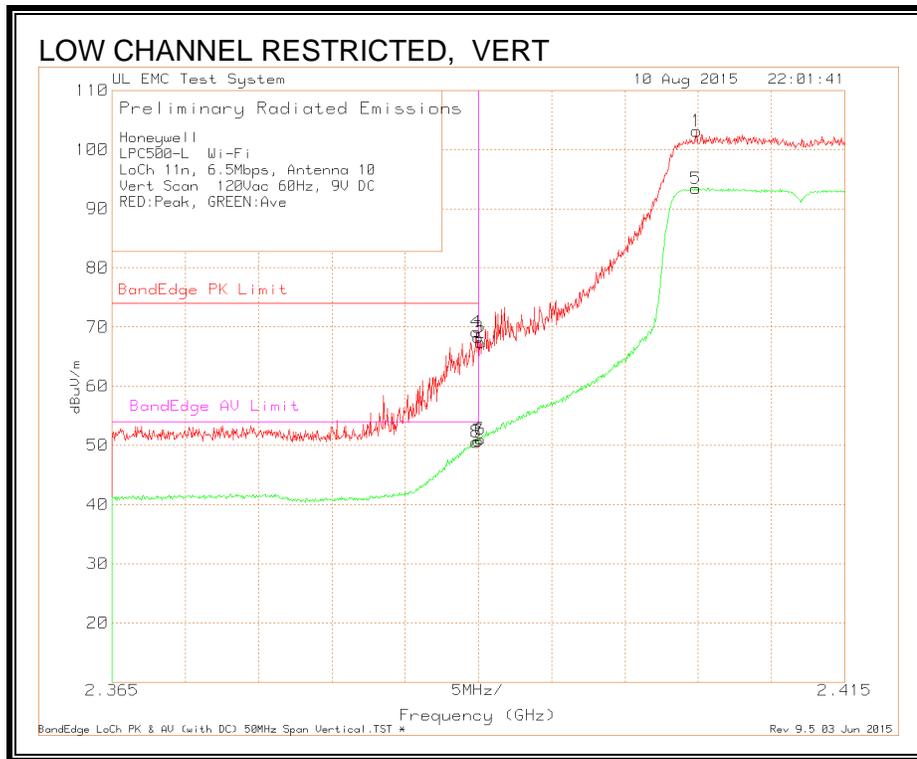
Honeywell													
LPC500-L Wi-Fi													
HiCh 11n, 6.5Mbps, Antenna 01													
120Vac 60Hz, 9V DC													
RED:Horizontal, GREEN:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.463	67.15 Pk	22	4.49	93.64	-	-	-	-	0-360	150	H	
2	4.92	65.86 Pk	27.8	-50.61	43.05	74	-30.95	54	-10.95	0-360	149	H	
3	2.464	65.8 Pk	22	4.49	92.29	-	-	-	-	0-360	150	V	
4	4.918	64.37 Pk	27.8	-50.57	41.6	74	-32.4	54	-12.4	0-360	99	V	

**Antenna 2**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

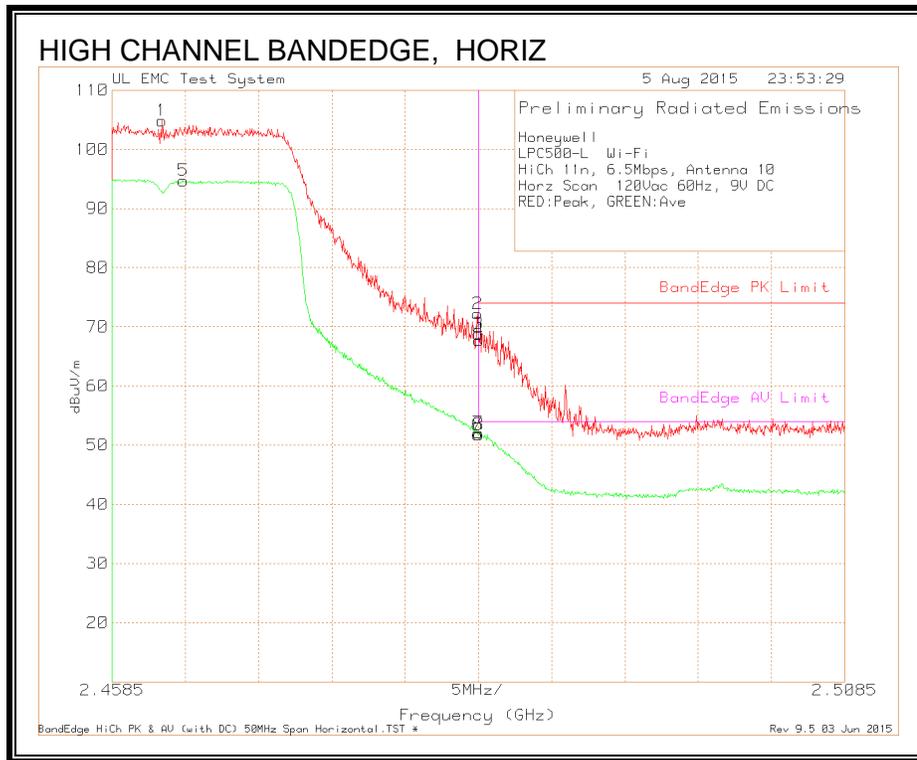


Honeywell												
LPC500-L Wi-Fi												
LoCh 11n, 6.5Mbps, Antenna 10												
Horz Scan 120Vac 60Hz, 9V DC												
RED:Peak, GREEN:Ave												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4049	78.13 Pk	21.8	4.58	104.51	-	-	-	-	310	100	H
2	2.3902	42.1 Pk	21.8	4.72	68.62	-	-	-	-	310	100	H
3	2.39	42.35 Pk	21.8	4.72	68.87	74	-5.13	-	-	310	100	H
4	2.3898	41.63 Pk	21.8	4.72	68.15	74	-5.85	-	-	310	100	H
5	2.4049	68.62 AV	21.8	4.58	95	-	-	-	-	310	100	H
6	2.3902	25.45 AV	21.8	4.72	51.97	-	-	-	-	310	100	H
7	2.39	25.41 AV	21.8	4.72	51.93	-	-	54	-2.07	310	100	H
8	2.3898	25.31 AV	21.8	4.72	51.83	-	-	54	-2.17	310	100	H

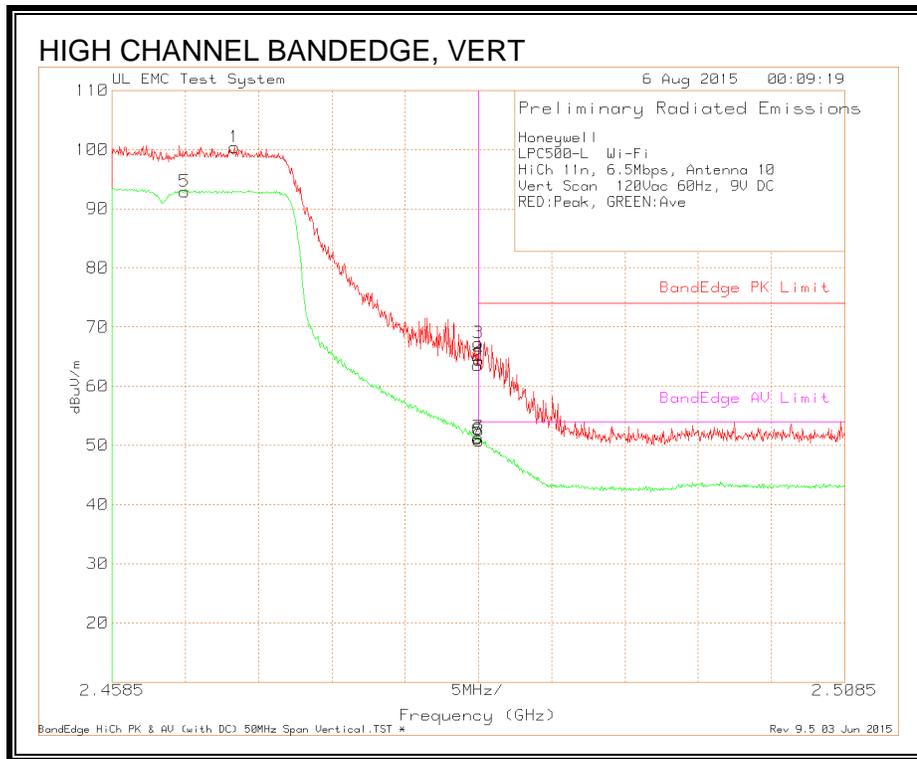


Honeywell													
LPC500-L Wi-Fi													
LoCh 11n, 6.5Mbps, Antenna 10													
Vert Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	2.4049	76.72 Pk	21.8	4.58	103.1	-	-	-	-	334	278	V	
2	2.3902	40.85 Pk	21.8	4.72	67.37	-	-	-	-	334	278	V	
3	2.39	41.74 Pk	21.8	4.72	68.26	74	-5.74	-	-	334	278	V	
4	2.3899	42.65 Pk	21.8	4.72	69.17	74	-4.83	-	-	334	278	V	
5	2.4049	67.04 AV	21.8	4.58	93.42	-	-	-	-	334	278	V	
6	2.3902	24.53 AV	21.8	4.72	51.05	-	-	-	-	334	278	V	
7	2.39	24.23 AV	21.8	4.72	50.75	-	-	54	-3.25	334	278	V	
8	2.3899	24.03 AV	21.8	4.72	50.55	-	-	54	-3.45	334	278	V	

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

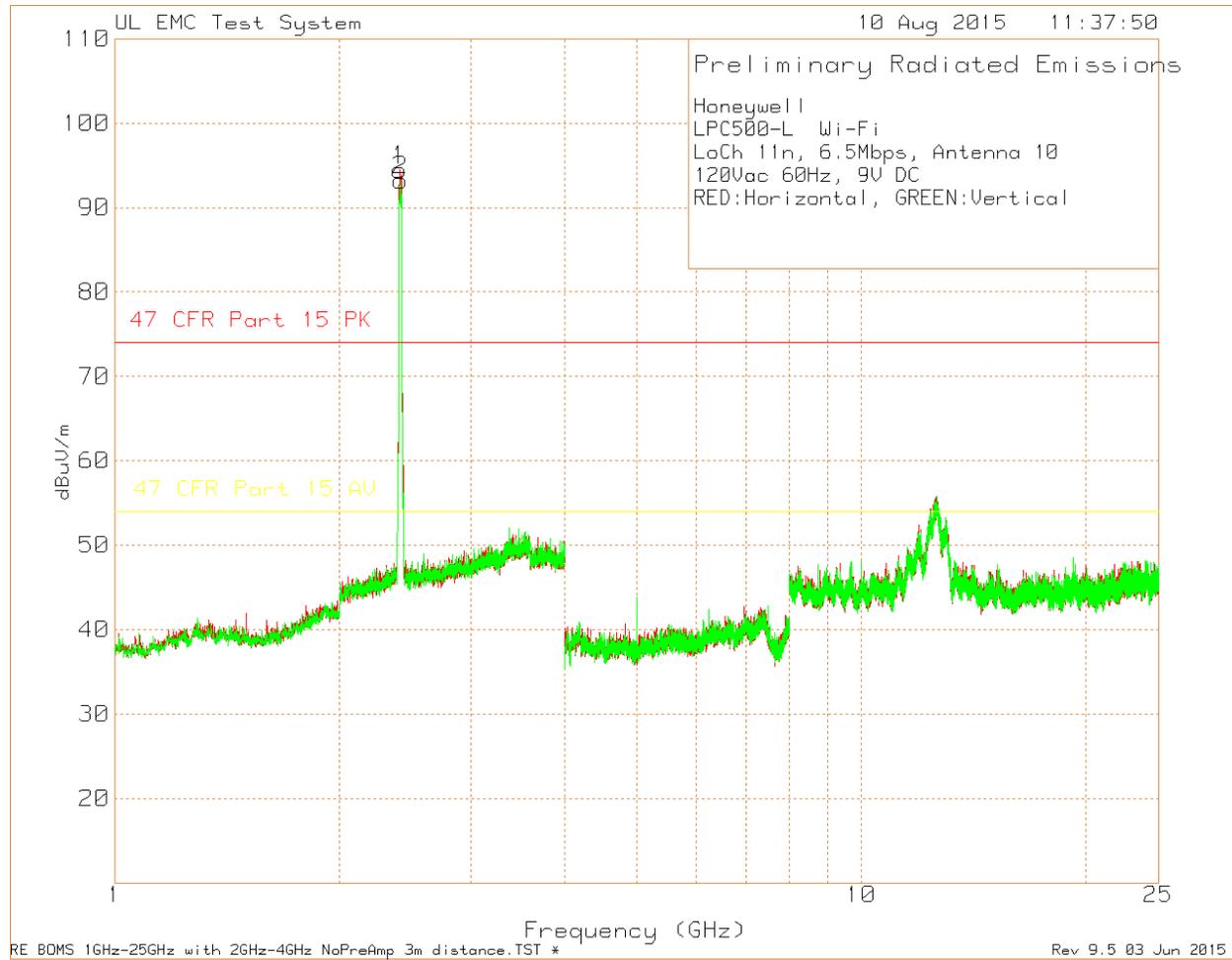


Honeywell													
LPC500-L Wi-Fi													
HiCh 11n, 6.5Mbps, Antenna 10													
Horz Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Freq (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4619	78.36	Pk	22	4.49	104.85	-	-	-	-	50	100	H
2	2.4835	45.75	Pk	22.1	4.37	72.22	-	-	-	-	50	100	H
3	2.4835	42.33	Pk	22.1	4.37	68.8	74	-5.2	-	-	50	100	H
4	2.4836	41.27	Pk	22.1	4.37	67.74	74	-6.26	-	-	50	100	H
5	2.4634	68.23	AV	22	4.49	94.72	-	-	-	-	50	100	H
6	2.4835	25.32	AV	22.1	4.37	51.79	-	-	-	-	50	100	H
7	2.4835	25.64	AV	22.1	4.37	52.11	-	-	54	-1.89	50	100	H
8	2.4836	25.31	AV	22.1	4.37	51.78	-	-	54	-2.22	50	100	H

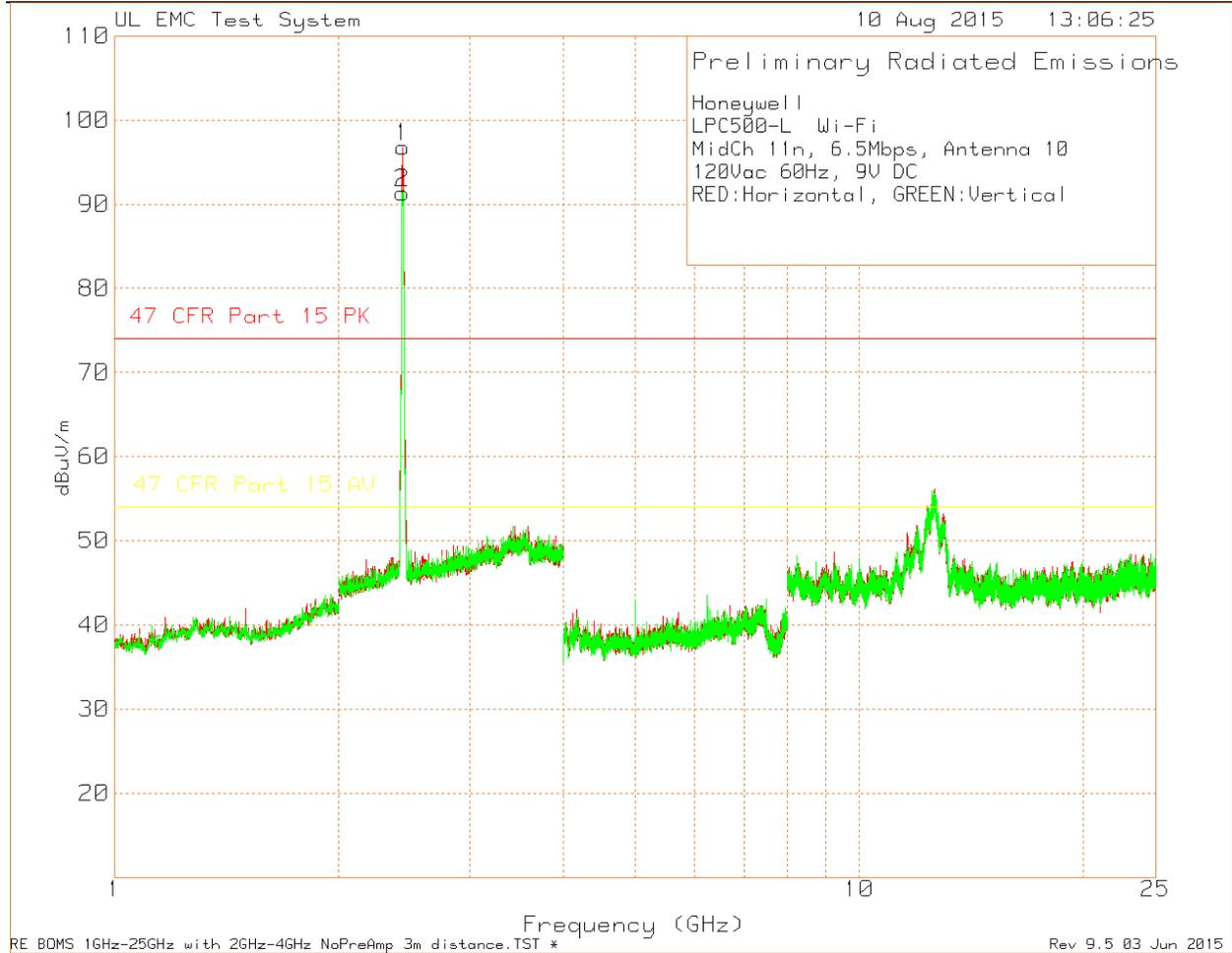


Honeywell													
LPC500-L Wi-Fi													
HiCh 11n, 6.5Mbps, Antenna 10													
Vert Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4669	73.92	Pk	22	4.49	100.41	-	-	-	-	76	163	V
2	2.4835	37.05	Pk	22.1	4.37	63.52	-	-	-	-	76	163	V
3	2.4835	40.86	Pk	22.1	4.37	67.33	74	-6.67	-	-	76	163	V
4	2.4836	37.92	Pk	22.1	4.37	64.39	74	-9.61	-	-	76	163	V
5	2.4635	64.52	AV	22	4.49	92.91	-	-	-	-	76	163	V
6	2.4835	22.7	AV	22.1	4.37	51.07	-	-	-	-	76	163	V
7	2.4835	22.97	AV	22.1	4.37	51.34	-	-	54	-2.66	76	163	V
8	2.4836	22.42	AV	22.1	4.37	50.79	-	-	54	-3.21	76	163	V

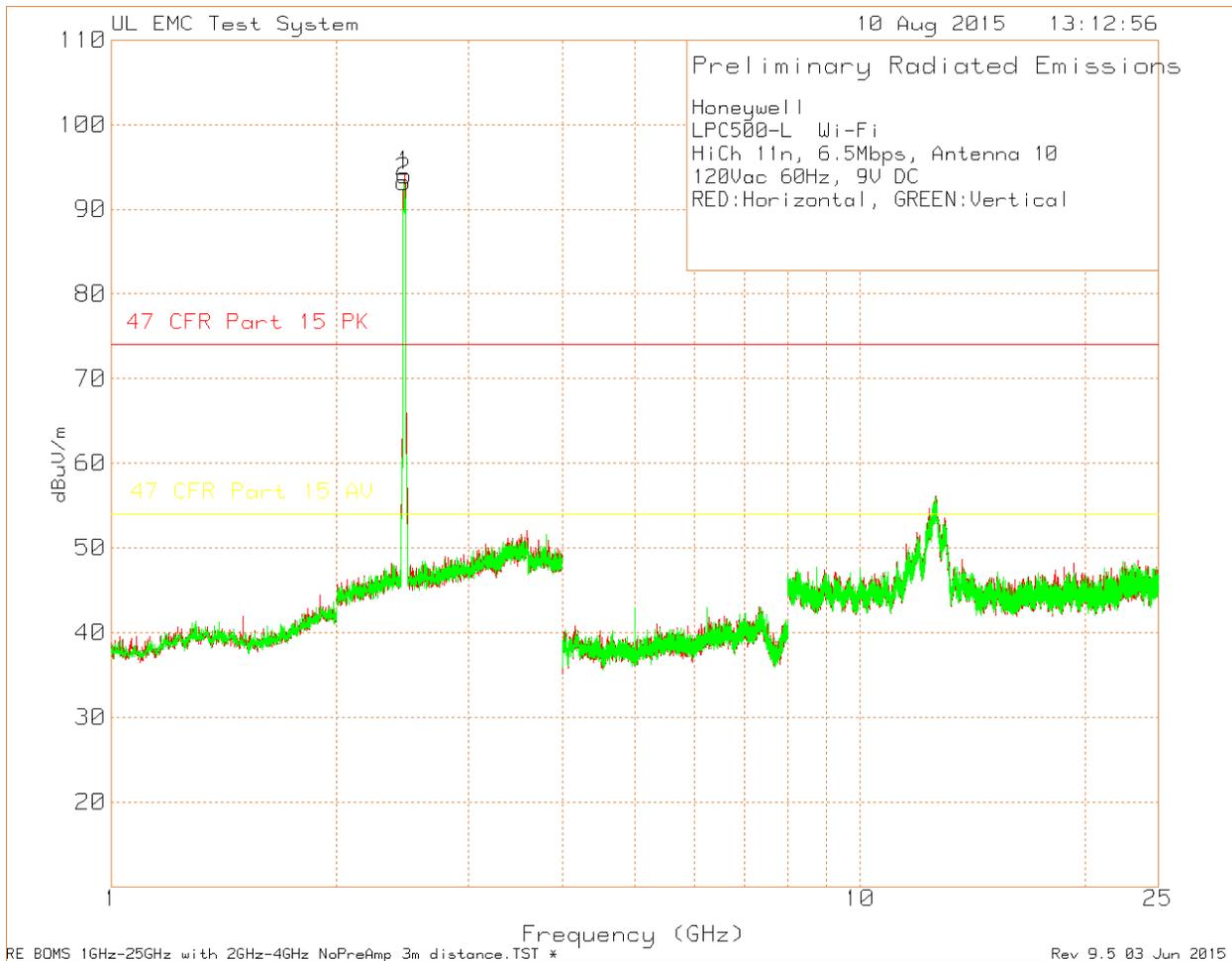
**HARMONICS AND SPURIOUS EMISSIONS**



Honeywell												
LPC500-L Wi-Fi												
LoCh 11n, 6.5Mbps, Antenna 10												
120Vac 60Hz, 9V DC												
RED:Horizontal, GREEN:Vertical												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.408	68.07	21.8	4.58	94.45	-	-	-	-	0-360	100	H
2	2.414	66.88	21.8	4.57	93.25	-	-	-	-	0-360	100	V



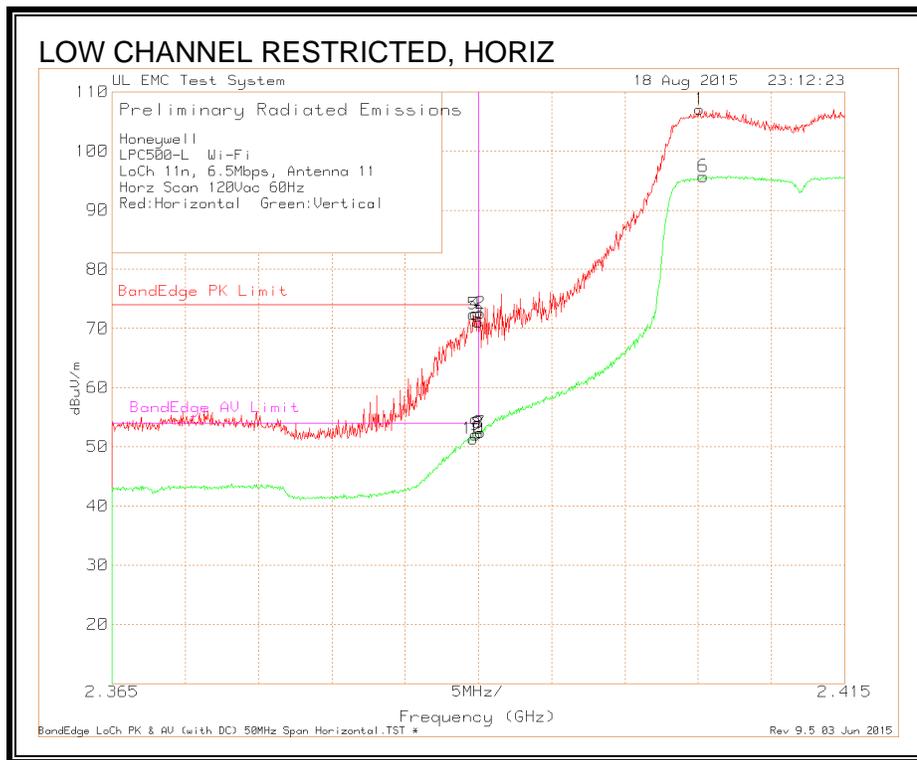
Honeywell												
LPC500-L Wi-Fi												
MidCh 11n, 6.5Mbps, Antenna 10												
120Vac 60Hz, 9V DC												
RED:Horizontal, GREEN:Vertical												
Marker No.	Test Frequenc y (GHz)	Meter Reading(d BuV)	Antenna Factor dB/m	Gain/Loss (dB)	Corrected Reading dBuV/m	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.438	70.33 Pk	21.9	4.57	96.8	-	-	-	-	0-360	150	H
2	2.433	64.91 Pk	21.9	4.55	91.36	-	-	-	-	0-360	150	V



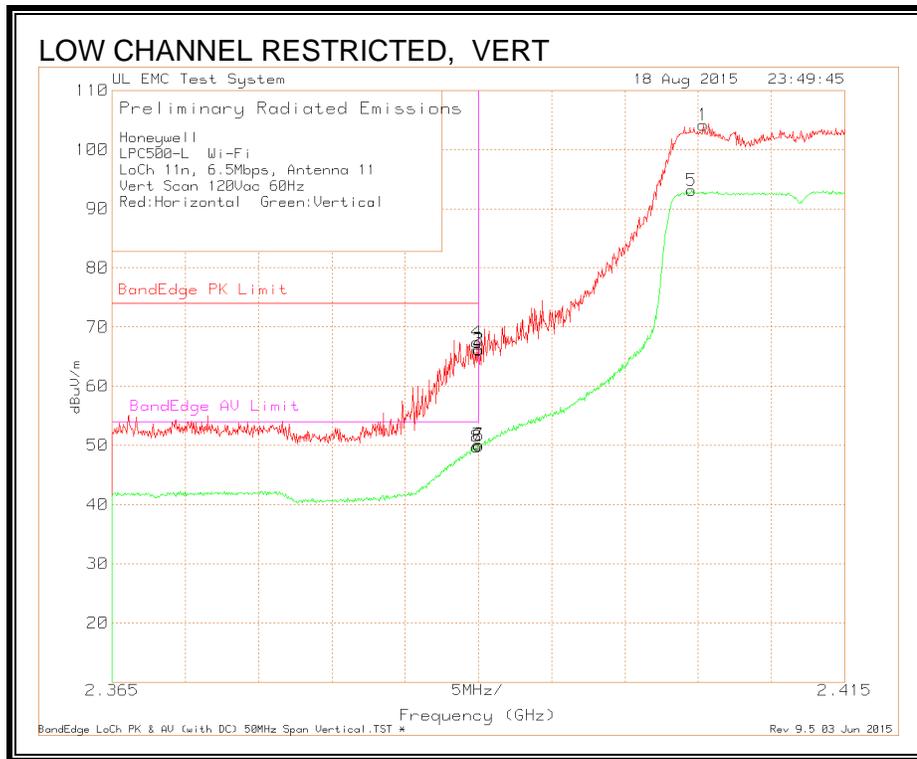
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.464	67.53 Pk	22	4.49	94.02	-	-	-	-	0-360	100	H
2	2.457	66.78 Pk	22	4.48	93.26	-	-	-	-	0-360	150	V

**Antenna 1 and 2**

**RESTRICTED BANDEDGE (LOW CHANNEL)**

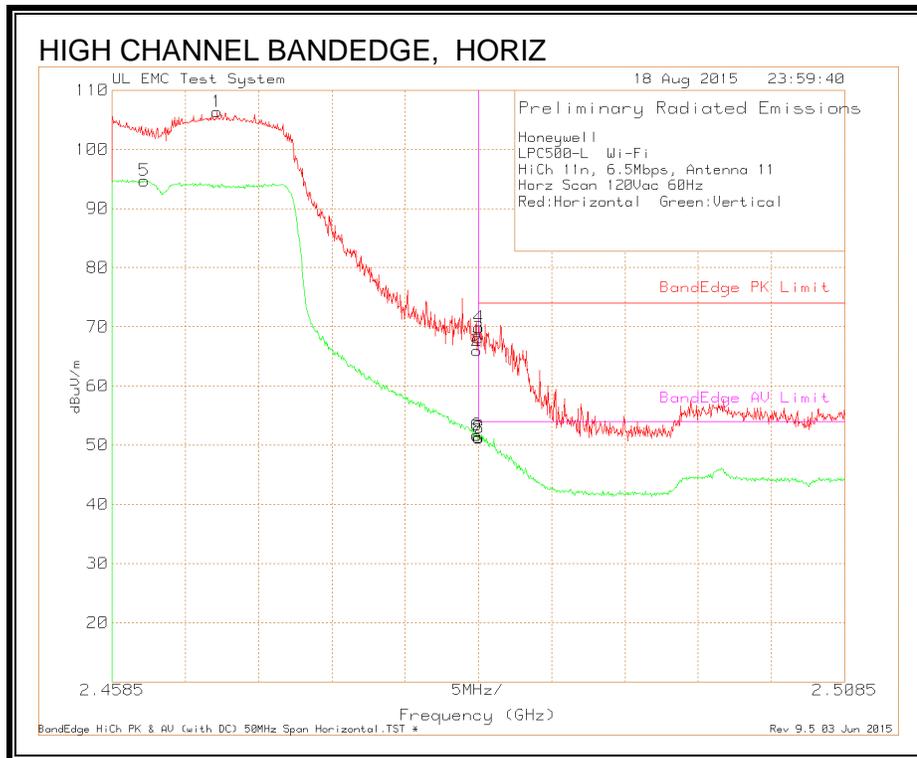


Honeywell												
LPC500-L Wi-Fi												
LoCh 11n, 6.5Mbps, Antenna 11												
Horz Scan 120Vac 60Hz												
Red:Horizontal Green:Vertical												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4051	80.69 Pk	21.8	4.58	107.07	-	-	-	-	45	100	H
2	2.3902	46.07 Pk	21.8	4.72	72.59	-	-	-	-	45	100	H
3	2.39	44.56 Pk	21.8	4.72	71.08	74	-2.92	-	-	45	100	H
4	2.3898	45.97 Pk	21.8	4.72	72.49	74	-1.51	-	-	45	100	H
5	2.3897	45.9 Pk	21.8	4.72	72.42	74	-1.58	-	-	45	100	H
6	2.4054	69.32 AV	21.8	4.58	95.7	-	-	-	-	45	100	H
7	2.3902	25.92 AV	21.8	4.72	52.44	-	-	-	-	45	100	H
8	2.39	25.82 AV	21.8	4.72	52.34	-	-	54	-1.66	45	100	H
9	2.3898	25.55 AV	21.8	4.72	52.07	-	-	54	-1.93	45	100	H
10	2.3897	24.85 AV	21.8	4.72	51.37	-	-	54	-2.63	45	100	H

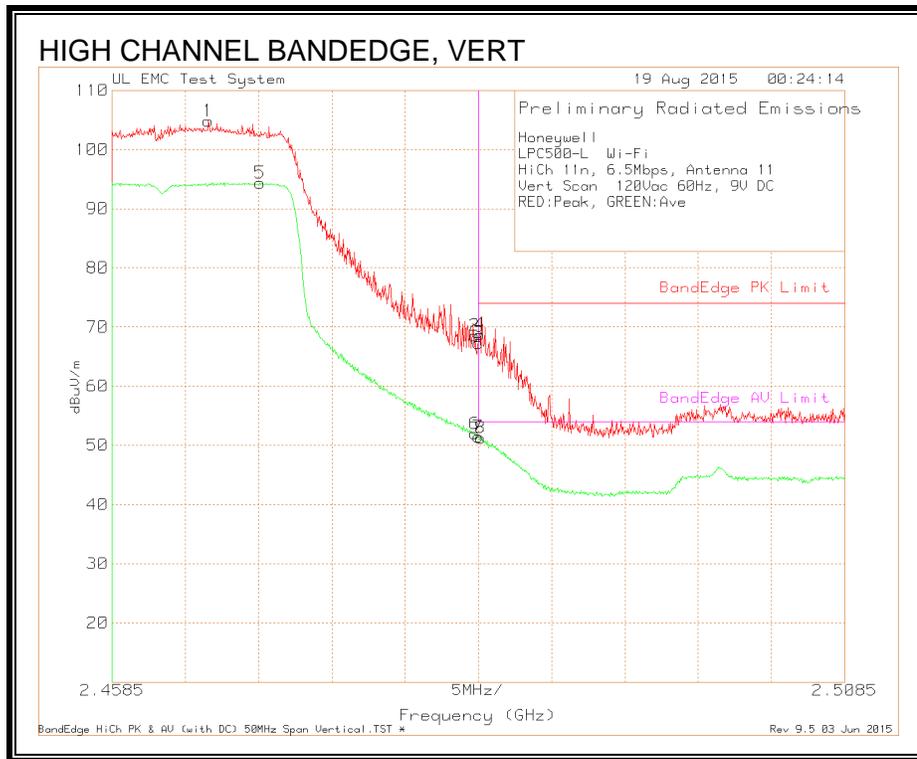


Honeywell												
LPC500-L Wi-Fi												
LoCh 11n, 6.5Mbps, Antenna 11												
Vert Scan 120Vac 60Hz												
Red:Horizontal Green:Vertical												
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4054	77.75 Pk	21.8	4.58	104.13	-	-	-	-	77	118	V
2	2.3901	39.59 Pk	21.8	4.72	66.11	-	-	-	-	77	118	V
3	2.39	39.73 Pk	21.8	4.72	66.25	74	-7.75	-	-	77	118	V
4	2.3899	40.92 Pk	21.8	4.72	67.44	74	-6.56	-	-	77	118	V
5	2.4046	66.72 AV	21.8	4.58	93.1	-	-	-	-	77	118	V
6	2.3901	23.48 AV	21.8	4.72	50	-	-	-	-	77	118	V
7	2.39	23.63 AV	21.8	4.72	50.15	-	-	54	-3.85	77	118	V
8	2.3899	23.24 AV	21.8	4.72	49.76	-	-	54	-4.24	77	118	V

**AUTHORIZED BANDEGE (HIGH CHANNEL)**

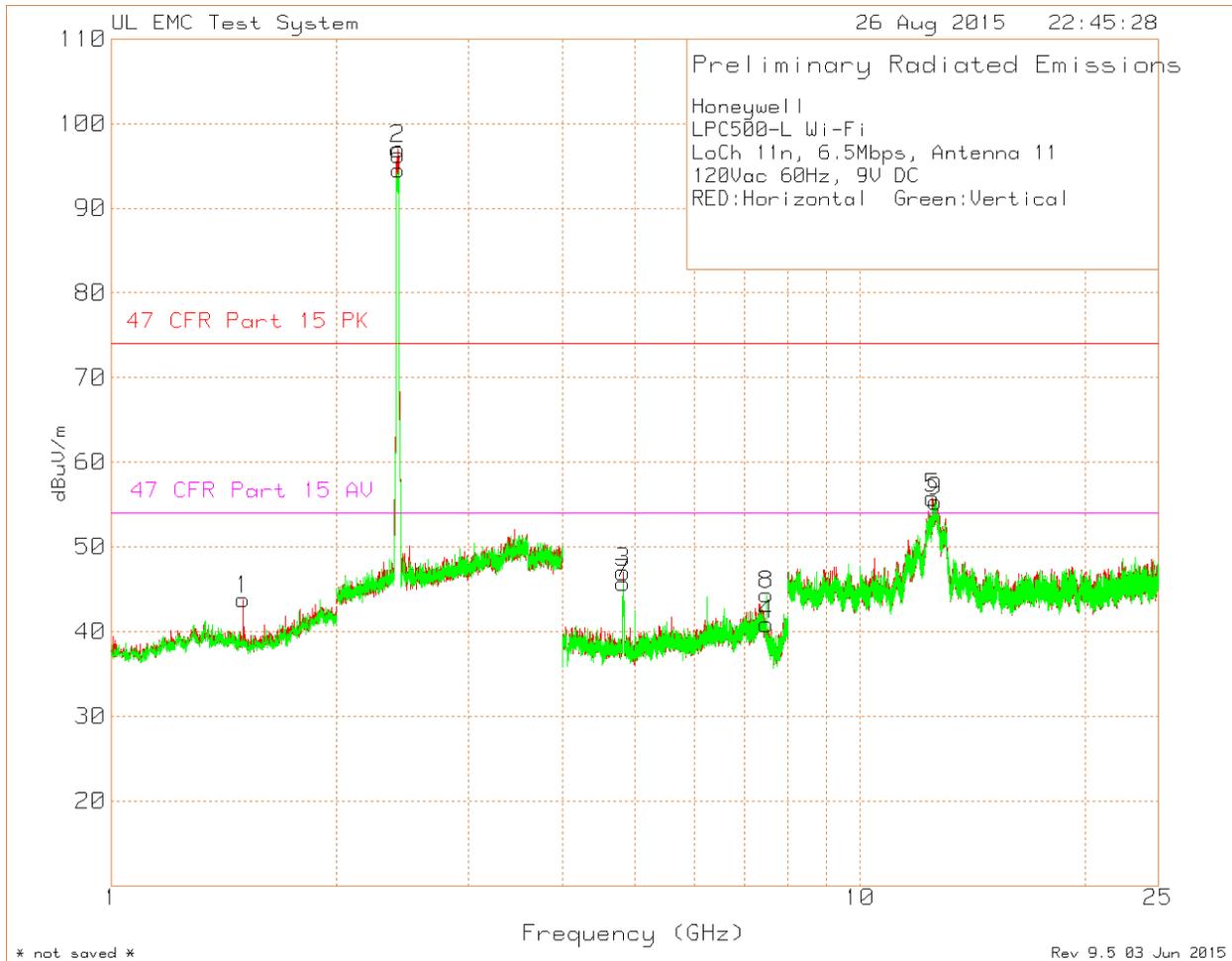


Honeywell													
LPC500-L Wi-Fi													
HiCh 11n, 6.5Mbps, Antenna 11													
Horz Scan 120Vac 60Hz													
Red:Horizontal Green:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit	Margin (dB)	BandEdge AV Limit	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4657	79.88	Pk	22	4.49	106.37	-	-	-	-	48	99	H
2	2.4834	39.52	Pk	22.1	4.37	65.99	-	-	-	-	48	99	H
3	2.4835	41.66	Pk	22.1	4.37	68.13	74	-5.87	-	-	48	99	H
4	2.4836	43.42	Pk	22.1	4.37	69.89	74	-4.11	-	-	48	99	H
5	2.4607	68.24	AV	22	4.48	94.72	-	-	-	-	48	99	H
6	2.4834	25.26	AV	22.1	4.37	51.73	-	-	-	-	48	99	H
7	2.4835	24.91	AV	22.1	4.37	51.38	-	-	54	-2.62	48	99	H
8	2.4836	24.75	AV	22.1	4.37	51.22	-	-	54	-2.78	48	99	H

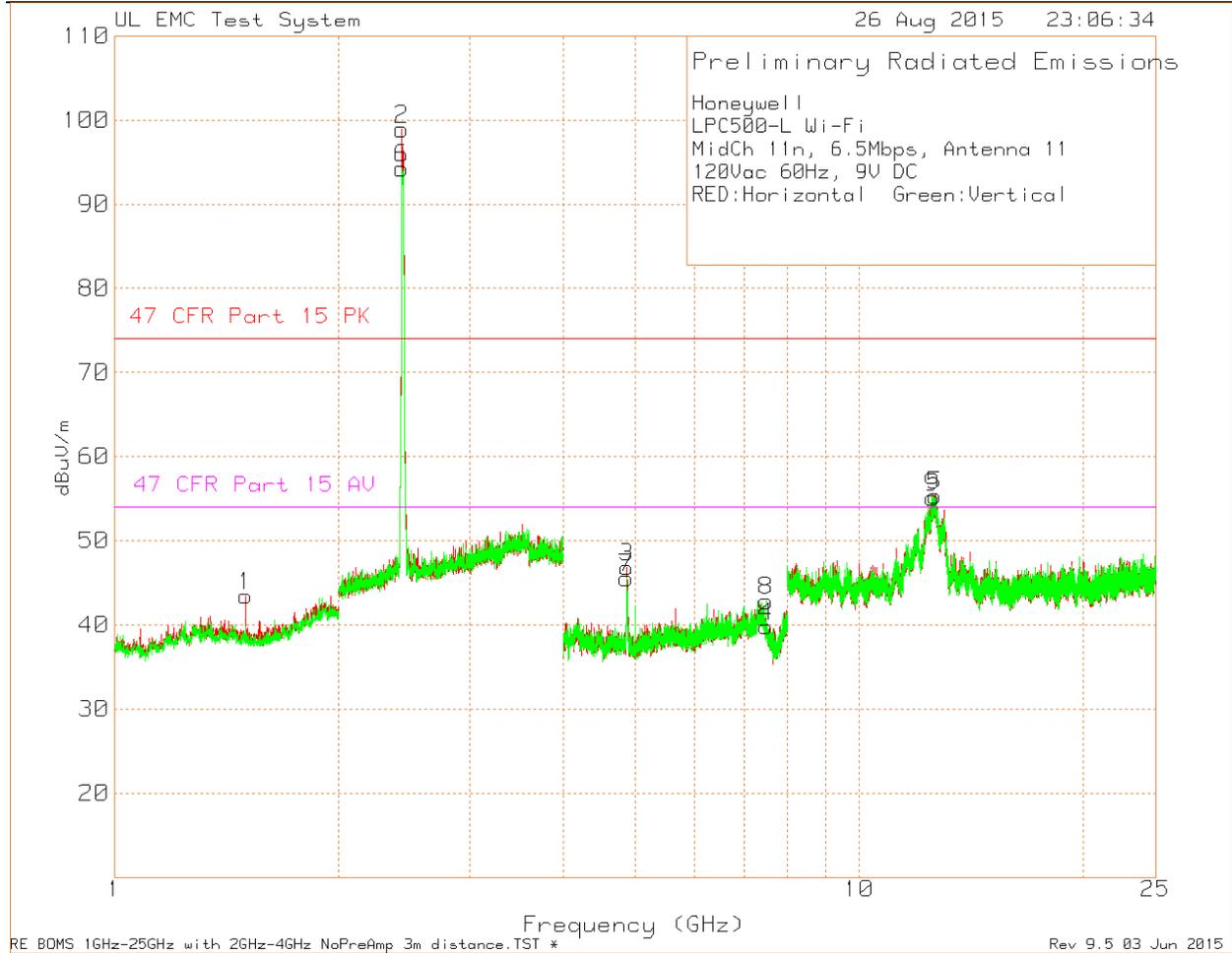


Honeywell													
LPC500-L Wi-Fi													
HiCh 11n, 6.5Mbps, Antenna 11													
Vert Scan 120Vac 60Hz, 9V DC													
RED:Peak, GREEN:Ave													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	BandEdge PK Limit (dB)	Margin (dB)	BandEdge AV Limit (dB)	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	2.4651	78.31	Pk	22	4.49	104.8	-	-	-	-	203	115	V
2	2.4833	42.2	Pk	22	4.37	68.57	-	-	-	-	203	115	V
3	2.4835	40.83	Pk	22.1	4.37	67.3	74	-6.7	-	-	203	115	V
4	2.4836	42.26	Pk	22.1	4.37	68.73	74	-5.27	-	-	203	115	V
5	2.4686	67.88	AV	22	4.47	94.35	-	-	-	-	203	115	V
6	2.4833	25.63	AV	22	4.37	52	-	-	-	-	203	115	V
7	2.4835	25	AV	22.1	4.37	51.47	-	-	54	-2.53	203	115	V
8	2.4837	24.8	AV	22.1	4.37	51.27	-	-	54	-2.73	203	115	V

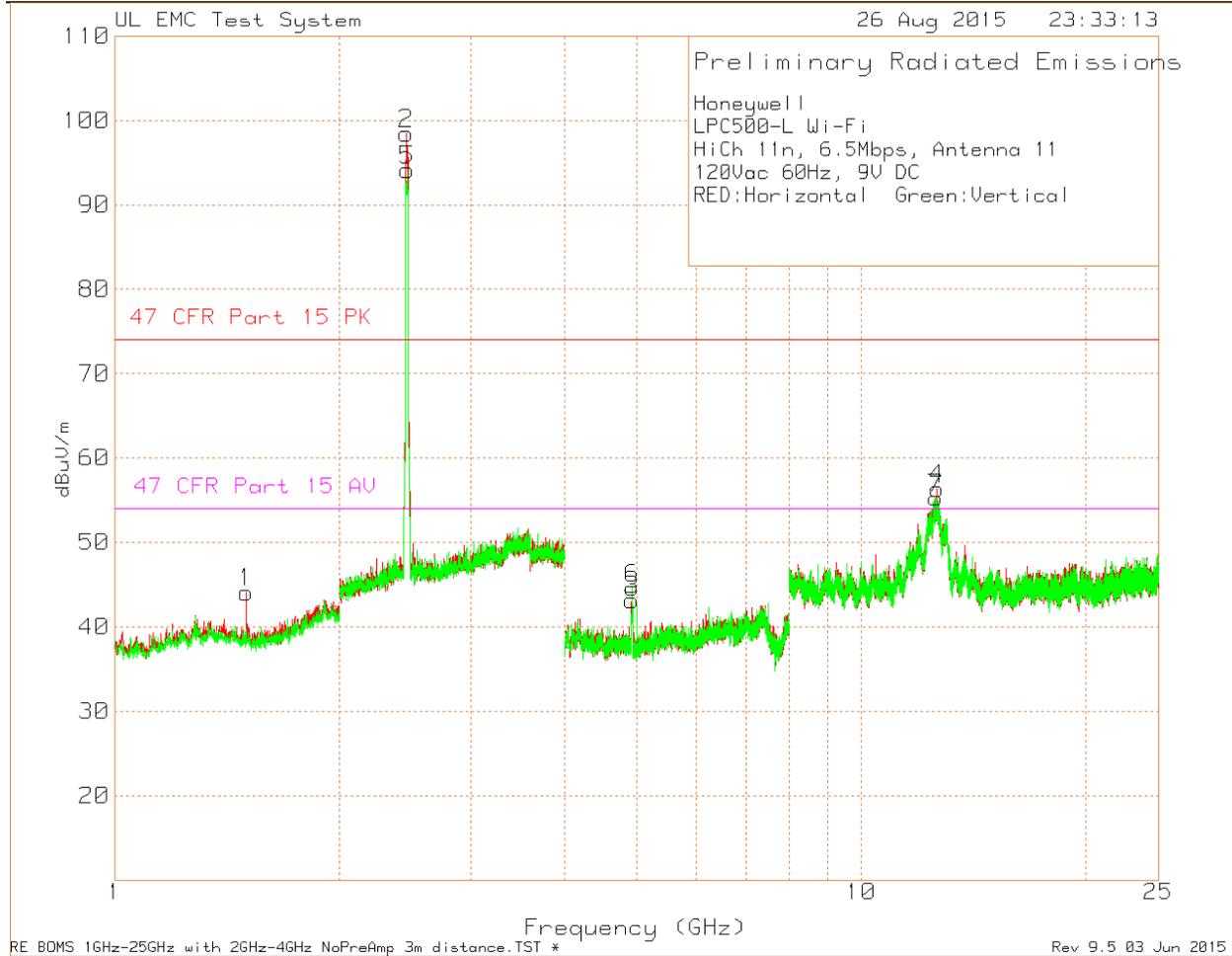
**HARMONICS AND SPURIOUS EMISSIONS**



Honeywell													
LPC500-L Wi-Fi													
LoCh 11n, 6.5Mbps, Antenna 11													
120Vac 60Hz, 9V DC													
RED:Horizontal Green:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	1.5	70.71	Pk	28.2	-55.12	43.79	74	-30.21	54	-10.21	0-360	100	H
2	2.415	70.66	Pk	21.8	4.56	97.02	-	-	-	-	0-360	99	H
3	4.827	69.72	Pk	27.7	-50.42	47	74	-27	54	-7	0-360	150	H
4	7.503	58.34	Pk	29.6	-47.07	40.87	74	-33.13	54	-13.13	0-360	150	H
5	12.485	53.24	Pk	39.4	-36.87	55.77	74	-18.23	54	1.77	0-360	150	H
6	2.418	68.09	Pk	21.9	4.55	94.54	-	-	-	-	0-360	150	V
7	4.826	68.45	Pk	27.7	-50.44	45.71	74	-28.29	54	-8.29	0-360	150	V
8	7.5	61.79	Pk	29.6	-47.04	44.35	74	-29.65	54	-9.65	0-360	150	V
9	12.603	50.43	Pk	39.5	-34.58	55.35	74	-18.65	54	1.35	0-360	100	V



Honeywell													
LPC500-L Wi-Fi													
MidCh 11n, 6.5Mbps, Antenna 11													
120Vac 60Hz, 9V DC													
RED:Horizontal Green:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
1	1.5	70.36 Pk	28.2	-55.12	43.44	74	-30.56	54	-10.56	0-360	100	H	
2	2.43	72.45 Pk	21.9	4.55	98.9	-	-	-	-	0-360	99	H	
3	4.873	69.46 Pk	27.7	-50.32	46.84	74	-27.16	54	-7.16	0-360	150	H	
4	7.501	57.26 Pk	29.6	-47.05	39.81	74	-34.19	54	-14.19	0-360	150	H	
5	12.639	49.97 Pk	39.5	-34.13	55.34	74	-18.66	54	1.34	0-360	99	H	
6	2.43	67.8 Pk	21.9	4.55	94.25	-	-	-	-	0-360	150	V	
7	4.867	68.29 Pk	27.7	-50.44	45.55	74	-28.45	54	-8.45	0-360	150	V	
8	7.501	60.28 Pk	29.6	-47.05	42.83	74	-31.17	54	-11.17	0-360	100	V	
9	12.554	51.33 Pk	39.4	-35.59	55.14	74	-18.86	54	1.14	0-360	100	V	



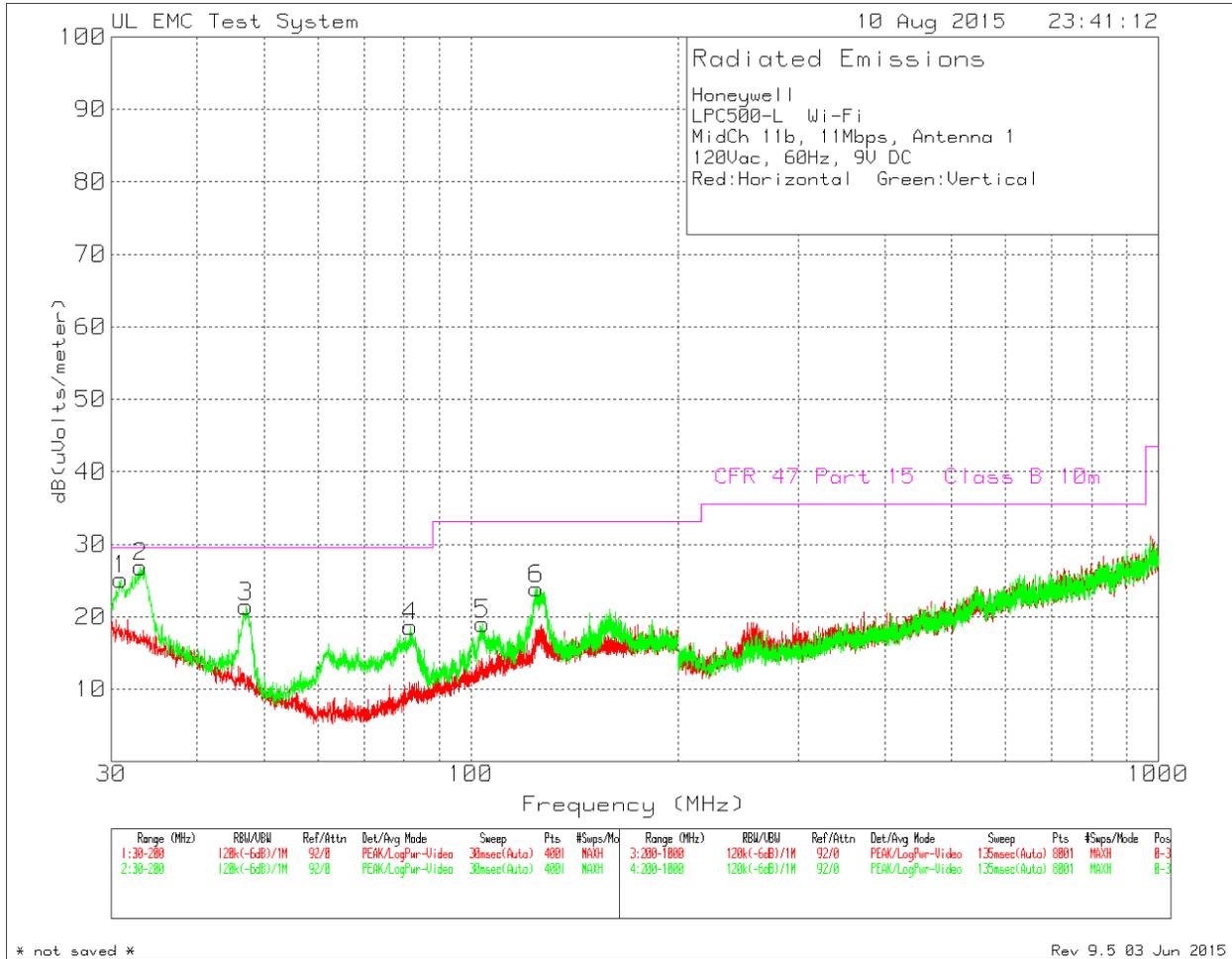
RE BDMS 1GHz-25GHz with 2GHz-4GHz NoPreAmp 3m distance.TST \* Rev 9.5 03 Jun 2015

Honeywell													
LPC500-L Wi-Fi													
HiCh 11n, 6.5Mbps, Antenna 11													
120Vac 60Hz, 9V DC													
RED:Horizontal Green:Vertical													
Marker No.	Test Frequency (GHz)	Meter Reading (dBuV)	Detector	EMCO311 7 s/n 62555	Gain/Loss (dB)	Corrected Reading (dBuV/m)	47 CFR Part 15 PK	Margin (dB)	47 CFR Part 15 AV	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity
1	1.5	71	Pk	28.2	-55.12	44.08	74	-29.92	54	-9.92	0-360	99	H
2	2.458	71.97	Pk	22	4.48	98.45	-	-	-	-	0-360	150	H
3	4.923	66.03	Pk	27.8	-50.65	43.18	74	-30.82	54	-10.82	0-360	150	H
4	12.64	50.99	Pk	39.5	-34.16	56.33	74	-17.67	54	2.33	0-360	150	H
5	2.465	67.62	Pk	22	4.49	94.11	-	-	-	-	0-360	100	V
6	4.933	67.52	Pk	27.8	-50.72	44.6	74	-29.4	54	-9.4	0-360	150	V
7	12.594	50.35	Pk	39.5	-34.56	55.29	74	-18.71	54	1.29	0-360	100	V

### 7.5. WORST-CASE BELOW 1 GHz

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

Antenna 1

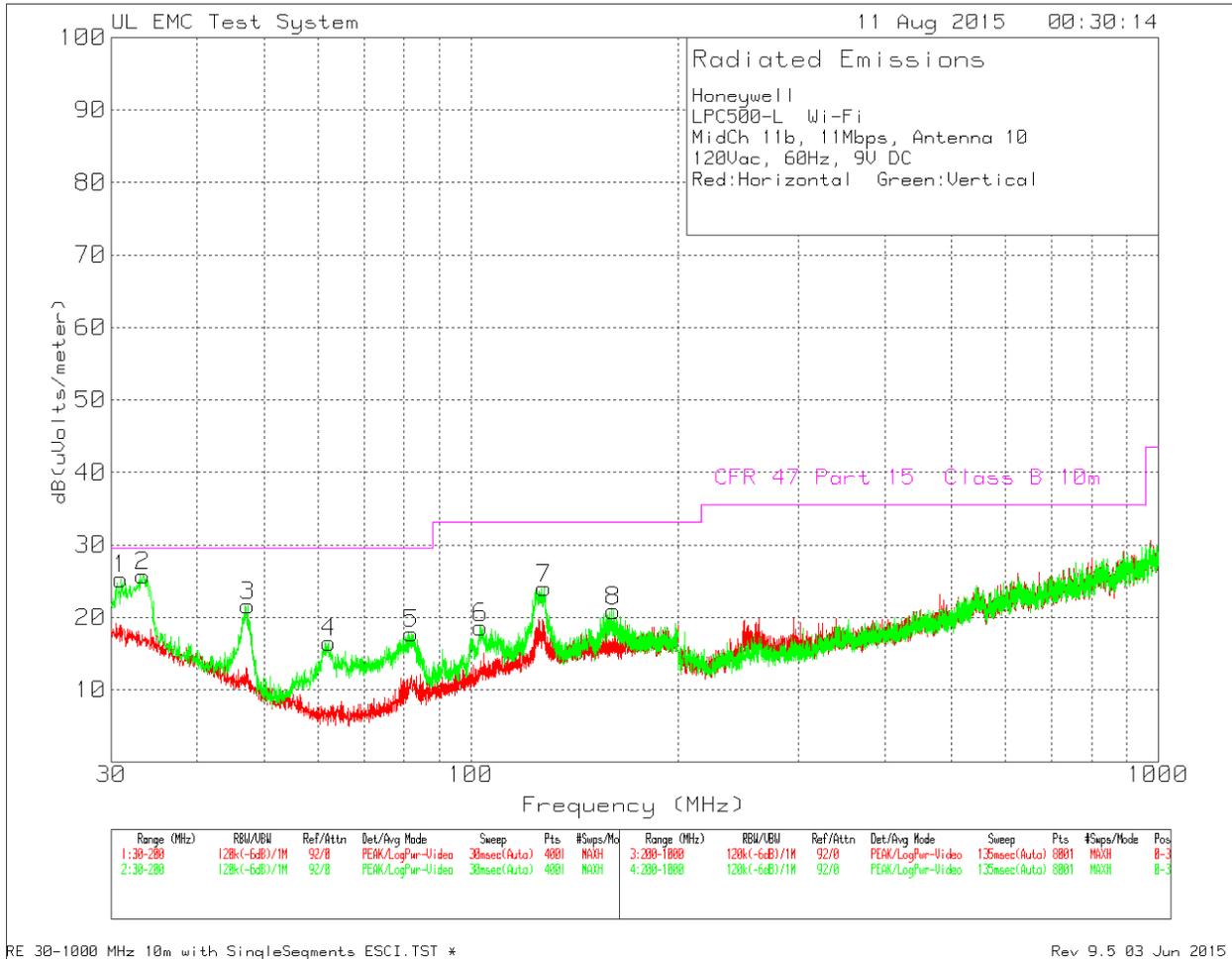


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Rev 9.5 03 Jun 2015

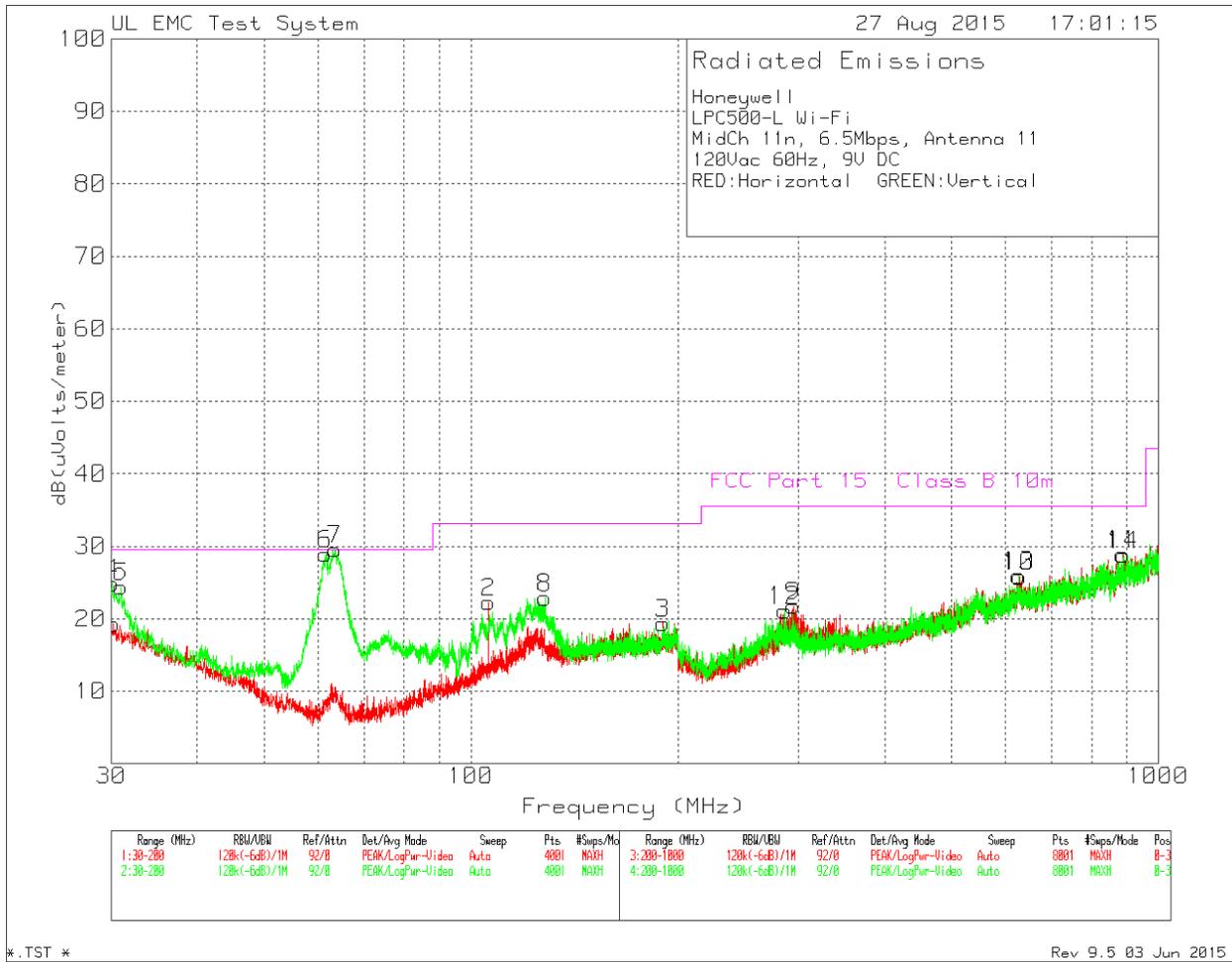
Honeywell										
LPC500-L Wi-Fi										
MidCh 11b, 11Mbps, Antenna 1										
120Vac, 60Hz, 9V DC										
Red:Horizontal Green:Vertical										
Test Frequency (MHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Corrected Reading dB(uVolts/meter)	CFR 47 Part 15 Class B 10m	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
30.9015	32.51	17.8	-30.2	20.11	29.55	-9.44	336	102	V	
33.015	35.05	16.8	-30.2	21.65	29.55	-7.9	309	100	V	
Qp - Quasi-Peak detector										

Antenna 2



Honeywell										
LPC500-L Wi-Fi										
MidCh 11b, 11Mbps, Antenna 10										
120Vac, 60Hz, 9V DC										
Red:Horizontal Green:Vertical										
Test Frequency (MHz)	Meter Reading (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Corrected Reading (dB(uVolts/meter))	CFR 47 Part 15 Class B 10m	Margin (dB)	Azimuth [Degs]	Height [cm]	Polarity	
30.976	32.39	17.7	-30.2	19.89	29.55	-9.66	338	106	V	
33.368	36.07	16.7	-30.2	22.57	29.55	-6.98	149	104	V	
Qp - Quasi-Peak detector										

Antenna 1 and 2



Honeywell										
LPC500-L Wi-Fi										
MidCh 11n, 6.5Mbps, Antenna 11										
120Vac 60Hz, 9V DC										
RED:Horizontal GREEN:Vertical										
Test	Meter	Antenna	Corrected	FCC Part						
Frequenc	Reading	Factor	Cable	15 Class	Margin	Azimuth	Height			
y (MHz)	(dBuV)	Detector	dB/m	B 10m	(dB)	[Degs]	[cm]	Polarity		
63.3165	50.08	Qp	6	-30.1	25.98	29.55	-3.57	314	231	V
61.27432	48.92	Qp	6.1	-30	25.02	29.55	-4.53	337	239	V
30.14999	32.11	Qp	18.2	-30.2	20.11	29.55	-9.44	0	100	V
30.95794	31.55	Qp	17.7	-30.2	19.05	29.55	-10.5	7	100	V
Qp - Quasi-Peak detector										