



**FCC 47 CFR PART 15 SUBPART C
INDUSTRY CANADA RSS-210 ISSUE 8**

CERTIFICATION TEST REPORT

FOR

APPLE WATCH MAGNETIC CHARGING TRY-ON CASE

MODEL NUMBER: A1668

REPORT NUMBER: 14U19491-E9, REVISION A

**FCC ID: BCGA1668
IC: 579C-A1668**

ISSUE DATE: FEBRUARY 19, 2015

Prepared for
**APPLE, INC.
1 INFINITE LOOP
CUPERTINO, CA 95014, U.S.A.**

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NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
--	02/12/2015	Initial Review	M. Mekuria
A	02/19/2015	Address TCB's questions	C. Pang

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: APPLE, INC.
1 INFINITE LOOP
CUPERTINO, CA 95014, U.S.A.

EUT DESCRIPTION: APPLE WATCH MAGNETIC CHARGING TRY-ON CASE

MODEL: A1668

SERIAL NUMBER: CQHP4021G86M (Try-On Case)

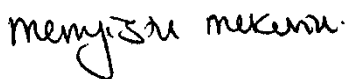
DATE TESTED: JANUARY 20 – 23 AND FEBRUARY 12, 2015

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 15 SUBPART C	Pass
RSS-210 Issue 8	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.

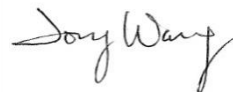
Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. 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.

Approved & Released For
UL Verification Services Inc. By:



MENGISTU MEKURIA
SENIOR ENGINEER
UL VERIFICATION SERVICES INC.

Tested By:



TONY WANG
LAB ENGINEER
UL VERIFICATION SERVICES INC.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4-2009, FCC CFR 47 Part 2, and FCC CFR 47 Part 15, RSS-GEN 4 and RSS-210 Issue 8 December 2010.

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	☐ Chamber D
☐ Chamber B	☐ Chamber E
☐ Chamber C	☐ Chamber F
	☒ Chamber G
	☐ Chamber H

The above test sites and facilities are covered under FCC Test Firm Registration # 208313. Chambers A through H are covered under Industry Canada company address code 2324B with site numbers 2324B -1 through 2324B-8, respectively

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:

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

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 1000 MHz	± 4.94 dB
Radiated Disturbance, 1 to 6 GHz	± 3.86 dB
Radiated Disturbance, 6 to 18 GHz	± 4.23 dB
Radiated Disturbance, 18 to 26 GHz	± 5.30 dB
Radiated Disturbance, 26 to 40 GHz	± 5.23 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a charging try-on case which includes 10 Apple Watch magnetic charging cables (A1667).

5.2. MAXIMUM OUTPUT POWER

The transmitter has maximum peak radiated electric field strength at 300m distance as follows:

Fundamental Frequency (KHz)	Mode	E field (300m distance) (dBuV/m)
326.5	Standby	-2.12

5.3. SOFTWARE AND FIRMWARE

The firmware installed in the EUT during testing was v092.

5.4. WORST-CASE CONFIGURATION AND MODE

The EUT is a single frequency device. The natural orientation of the EUT is considered as worst case orientation for both standby and operation modes.

The follow two configurations were tested:

Configuration	Mode	Descriptions
1	Standby	EUT only (Try-on Case)
2	Operating	EUT (Try-on Case) plus Ten (10) Watches

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC/DC adapter	Apple	A1424	PA-1850-7 NSW25679	N/A
Watch	Apple	A1554	FG7NPOVLFY2H	BCG-E2871
Watch	Apple	A1554	FG7NG0QKFY2F	BCG-E2871
Watch	Apple	A1554	FG7ND02JFY2F	BCG-E2871
Watch	Apple	A1554	FG7ND00JFY2F	BCG-E2871
Watch	Apple	A1553	FG7NG0CVFY1P	BCG-E2870
Watch	Apple	A1553	FG7NG0CSKY1P	BCG-E2870
Watch	Apple	A1553	FG7NQ0UHFY1R	BCG-E2870
Watch	Apple	A1553	FG7ND4ZMFY1P	BCG-E2870
Watch	Apple	A1553	FG7ND4XAFY1P	BCG-E2870
Watch	Apple	A1553	FG7NF03XFY1P	BCG-E2870

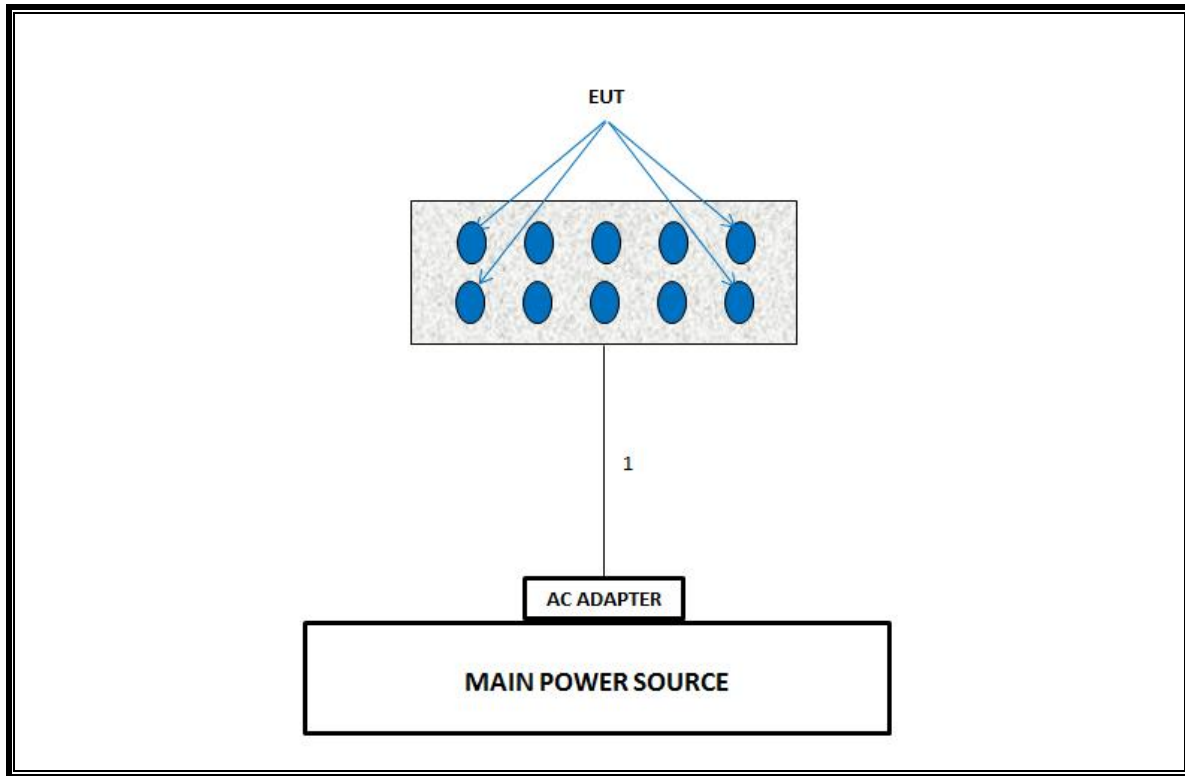
I/O CABLES (Configuration 1 and 2)

Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC	1	USB	Un-shielded	2.0	N/A

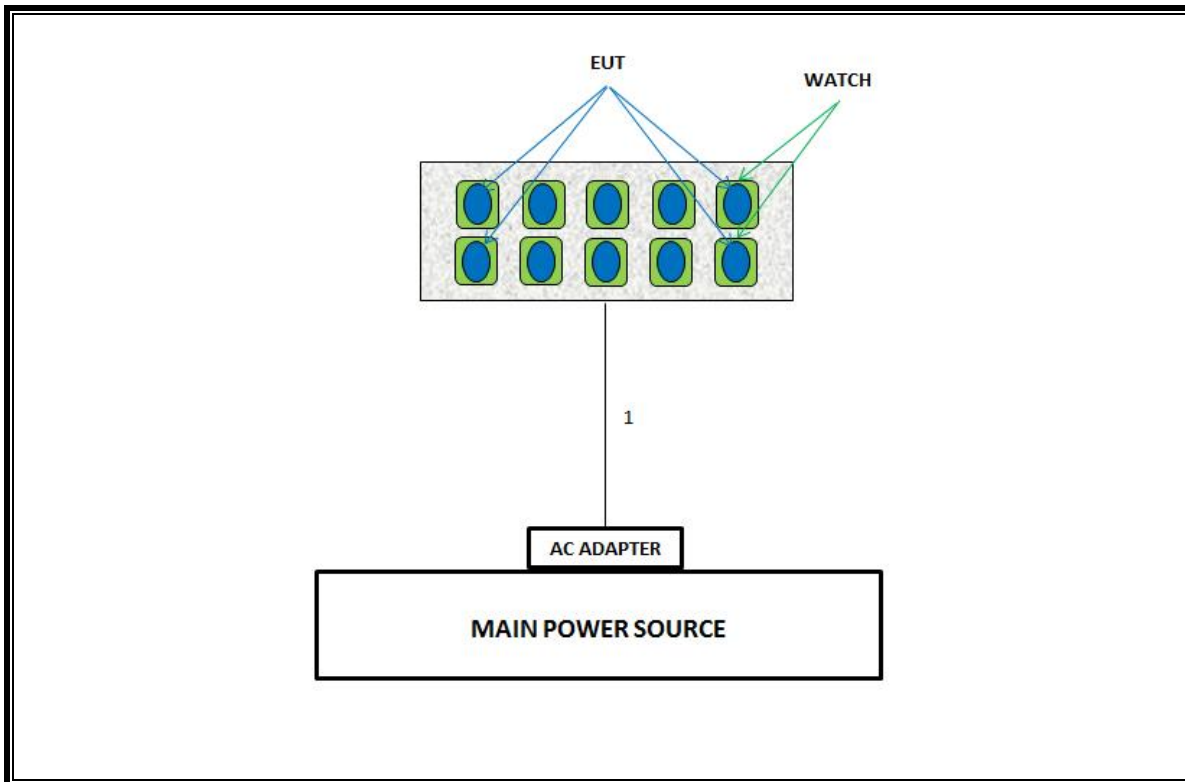
TEST SETUP

Please see the following configurations for the test setups.

CONFIGURATION 1: STANDBY MODE



CONFIGURATION 2: OPERATING MODE



6. TEST AND MEASUREMENT EQUIPMENT

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

Description	Manufacturer	Model	Asset	Cal Due
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences	JB3	A051314-2	06/05/15
Amplifier, 10KHz to 1GHz, 32dB	Sonoma	310N	325118	04/27/15
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent	N9030A	MY53311010	05/17/15
Antenna, Loop, 30 MHz	ETS Lindgren	6502	F00366	10/04/15
Switch Driver	ACS	11713A	2508A04052	N/A
Antenna, Hybrid 30MHz to 2GHz	Sunol Sciences	JB3	T407	05/05/15
PXA Signal Analyzer 3Hz to 44GHz	Agilent	N9030A	T340	03/11/15
EMI Test Receiver	R & S	ESCI 7	T284	09/16/15
LISN, 10 kHz - 30 MHz	FCC	50/250-25-2	T24	01/17/16

7. OCCUPIED BANDWIDTH

The emission bandwidth ($\times$ dB) is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated $\times$ dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least $3\times$ the resolution bandwidth.

When the occupied bandwidth limit is not stated in the applicable RSS or reference measurement method, the transmitted signal bandwidth shall be reported as the 99% emission bandwidth, as calculated or measured.

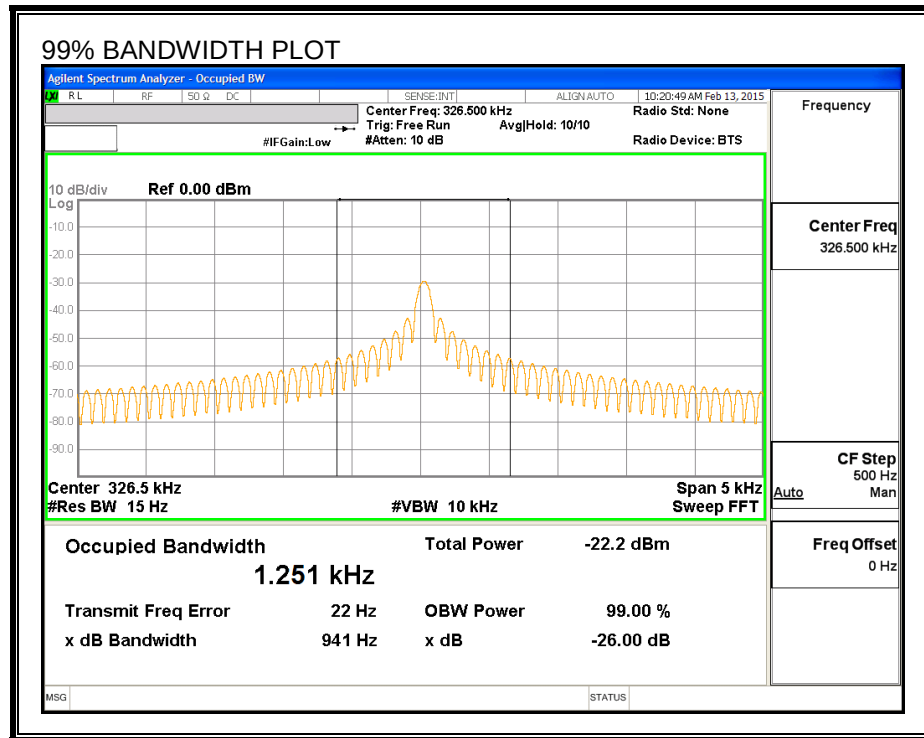
- The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
- The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
- The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately $3\times$ RBW.

Note: Video averaging is not permitted.

A peak, or peak hold, may be used in place of the sampling detector as this may produce a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold may be necessary to determine the occupied bandwidth if the device is not transmitting continuously.

The trace data points are recovered and are directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded.

The difference between the two recorded frequencies is the 99% occupied bandwidth.



8. RADIATED EMISSION TEST RESULTS

8.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.209 (a)

IC RSS-GEN, Section 8.9 and 8.10.

IC RSS-GEN, Section 7 (Receiver)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (m)
0.009–0.490	2400/F(kHz)	300
0.490–1.705	24000/F(kHz)	30
1.705–30.0	30	30
30–88	100	3
88 to 216	150	3
216 to 960	200	3
Above 960 MHz	500	3
Note: The lower limit shall apply at the transition frequency.		

RESULTS

8.2. TX FUNDAMENTAL FROM 0.15 TO 30 MHz

8.2.1. CONFIGURATION 1

FCC Part 15, Subpart B & C 3 Meter Distance Measurement At Chamber-G

Company:

Project #: 14U19491

EUT configuration #: Model A1668

Mode of operation: Standby Mode

Tester: T. Wang

Date: 2/2/2015

Frequency (MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	AF (dB/m)	Distance (m)	Distance Correction (dB)	PK Corrected Reading (dBuV/m)	AV Corrected Reading (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Margin (dB)	AV Margin (dB)	Notes
Loop Antenna Face On:													
0.3265	67.34		52.36	10.54	3	-80.00	-2.12	-17.10	37.33	17.33	-39.4	-34.4	
Loop Antenna Face Off:													
0.3265	62.26		41.08	10.54	3	-80.00	-7.20	-28.38	37.33	17.33	-44.5	-45.7	

* No more emissions were found up to 30MHz

Note: The emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 10000MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

P.K. = Peak

Q.P. = Quasi Peak Readings Below 150kHz => RBW=VBW=200 or 300Hz

A.F. = Antenna factor Above 150kHz =>RBW=VBW=9 or 10kHz (Average => VBW=10Hz)

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8.2.2. CONFIGURATION 2

FCC Part 15, Subpart B & C 3 Meter Distance Measurement At Chamber-G

Company:

Project #: 14U19491

EUT Configuration #: Model A1668

Mode of operation: Operating Mode

Tester: T Wang

Date: 2/2/2015

Frequency (MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	AF dB/m	Distance (m)	Distance Correction (dB)	PK Corrected Reading (dBuV/m)	AV Corrected Reading (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Margin (dB)	AV Margin (dB)	Notes
Loop Antenna Face On:													
0.3265	52.86		43.93	10.54	3	-80.00	-16.60	-25.53	37.33	17.33	-53.9	-42.9	
Loop Antenna Face Off:													
0.3265	51.41		43.25	10.54	3	-80.00	-18.05	-26.21	37.33	17.33	-55.4	-43.5	

* No more emissions were found up to 30MHz

Note: The emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 10000Mhz. Radiated emission limits in these three bands are based on measurements employing an average detector.

P.K. = Peak

Q.P. = Quasi Peak Readings

Below 150kHz => RBW=VBW=200 or 300Hz

A.F. = Antenna factor

Above 150kHz =>RBW=VBW=9 or 10kHz (Average => VBW=10Hz)

Rev. 060314

8.3. TX SPURIOUS EMISSIONS FROM 0.15 TO 30 MHz

8.3.1. CONFIGURATION 1

Frequency (MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	AF (dB/m)	Distance (m)	Distance Correction (dB)	PK Corrected Reading (dBuV/m)	AV Corrected Reading (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Margin (dB)	AV Margin (dB)	Notes
FCC Part 15, Subpart B & C 3 Meter Distance Measurement At Chamber-G Company: Project #: 14U19491 EUT configuration #: Model A1668 Mode of operation: Standby Mode Tester: T. Wang Date: 2/2/2015													
Face On													
0.649	55.5	49.4	-	10.53	3	-40.00	19.93	-	31.36	-	-11.4	-	
0.979	47.9	38.6	-	10.6	3	-40.00	9.20	-	27.79	-	-18.6	-	
1.308	39.3	33.2	-	10.6	3	-40.00	3.80	-	25.27	-	-21.5	-	
2.287	32.1	28.8	-	10.6	3	-40.00	-0.60	-	29.54	-	-30.1	-	
Face Off:													
0.657	52.1	41.6	-	10.53	3	-40.00	12.13	-	31.25	-	-19.1	-	
0.981	44.8	35.2	-	10.6	3	-40.00	5.80	-	27.77	-	-22.0	-	
1.305	34.3	27.7	-	10.6	3	-40.00	-1.70	-	25.29	-	-27.0	-	
2.288	28.8	21.6	-	10.6	3	-40.00	-7.80	-	29.54	-	-37.3	-	
* No more emissions were found up to 30MHz <u>Note:</u> The emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 10000Mhz. Radiated emission limits in these three bands are based on measurements employing an average detector. P.K. = Peak Q.P. = Quasi Peak Readings Below 150kHz => RBW=VBW=200 or 300Hz A.F. = Antenna factor Above 150kHz =>RBW=VBW=9 or 10kHz (Average => VBW=10Hz) Rev. 060314													

8.3.2. CONFIGURATION 2

FCC Part 15, Subpart B & C

3 Meter Distance Measurement At Chamber-G

Company:

Project #: 14U19491

EUT configuration #: Model A1668

Mode of operation: Operating Mode

Tester: T Wang

Date: 2/2/2015

Frequency (MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	AF dB/m	Distance (m)	Distance Correction (dB)	PK Corrected Reading (dBuV/m)	AV Corrected Reading (dBuV/m)	PK Limit (dBuV/m)	AV Limit (dBuV/m)	PK Margin (dB)	AV Margin (dB)	Notes
Loop Antenna Face On:													
0.653	36.44	32.83	-	10.53	3	-40.00	3.36	-	31.31	-	-27.9	-	
0.983	33.59	28.48	-	10.6	3	-40.00	-0.92	-	27.75	-	-28.7	-	
1.581	28.21	24.46	-	10.6	3	-40.00	-4.94	-	23.63	-	-28.6	-	
Loop Antenna Face Off:													
0.659	34.5	29.77	-	10.53	3	-40.00	0.30	-	31.23	-	-30.9	-	
0.919	30.74	24.35	-	10.58	3	-40.00	-5.07	-	28.34	-	-33.4	-	
3.346	20.46	14.23	-	10.62	3	-40.00	-15.15	-	29.54	-	-44.7	-	

* No more emissions were found up to 30MHz

Note: The emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 10000Mhz. Radiated emission limits in these three bands are based on measurements employing an average detector.

P.K. = Peak

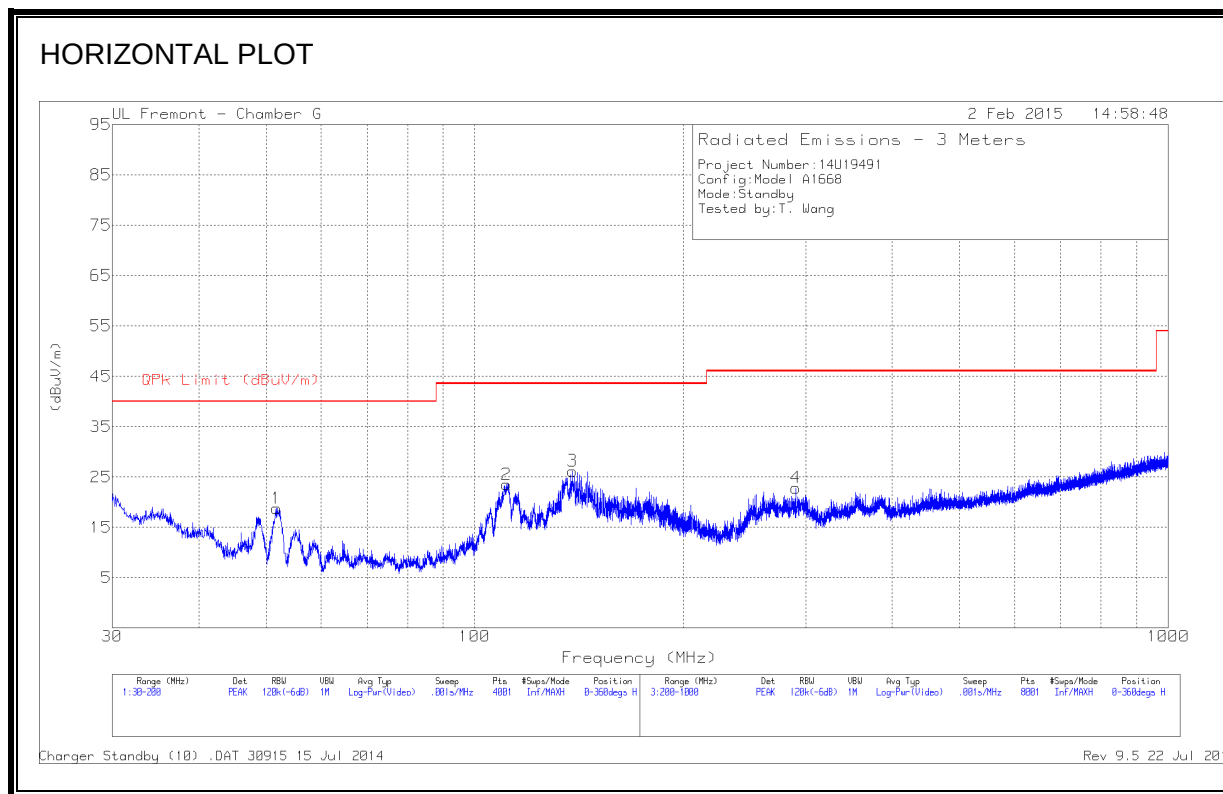
Q.P. = Quasi Peak Readings Below 150kHz => RBW=VBW=200 or 300Hz

A.F. = Antenna factor Above 150kHz =>RBW=VBW=9 or 10kHz (Average => VBW=10Hz)

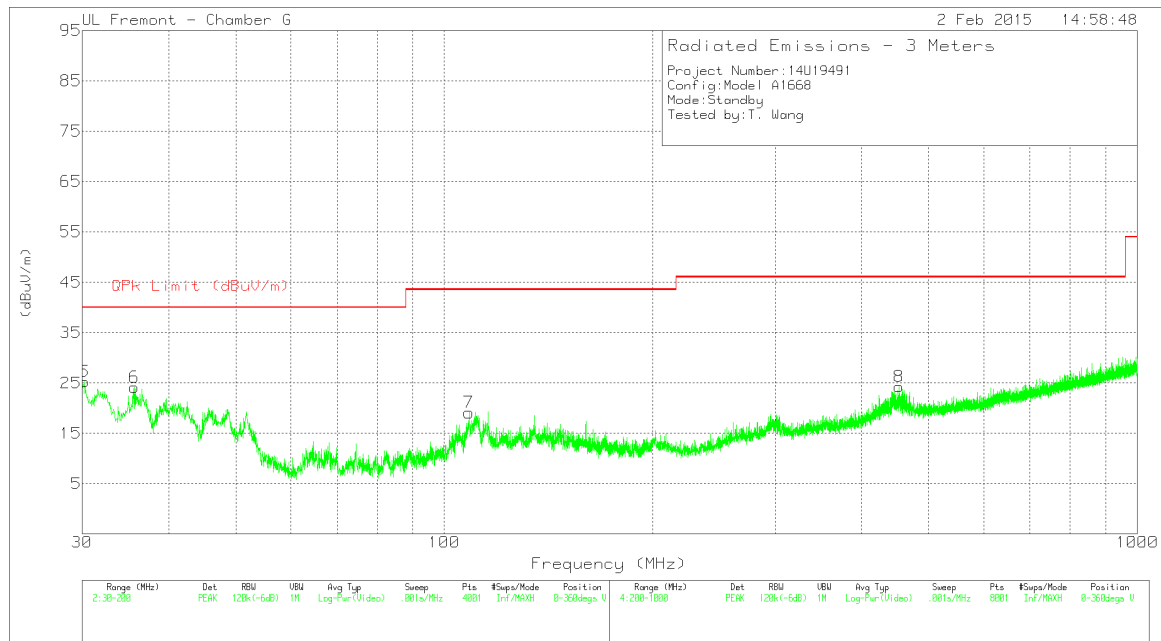
Rev. 060314

8.4. TX SPURIOUS EMISSION 30 TO 1000 MHz

8.4.1. CONFIGURATION 1



VERTICAL PLOT



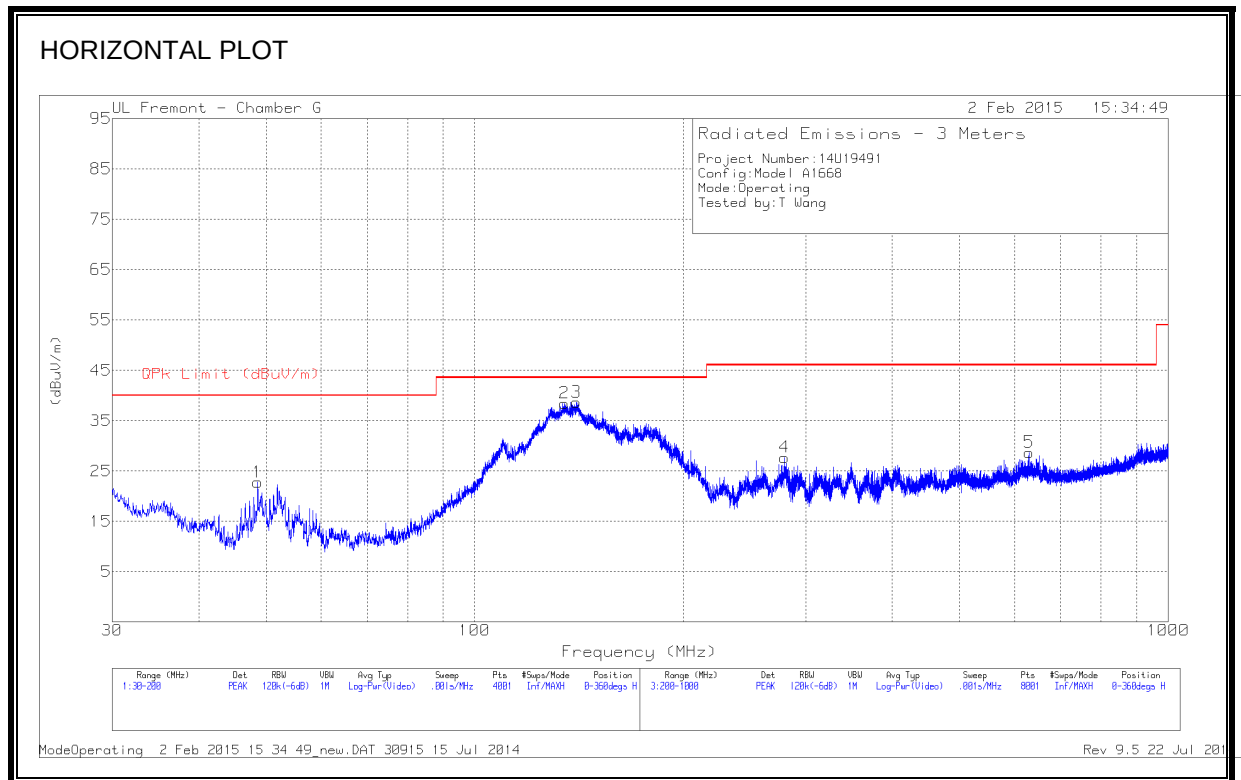
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Hybrid	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 111.175	37.91	PK	15.6	-30	23.51	43.52	-20.01	0-360	301	H
7	* 108.4975	34.02	PK	15.1	-30	19.12	43.52	-24.4	0-360	100	V
5	30.255	32.25	PK	23.9	-30.9	25.25	40	-14.75	0-360	100	V
6	35.695	34.84	PK	20.2	-30.9	24.14	40	-15.86	0-360	100	V
1	51.8025	39.05	PK	10.4	-30.7	18.75	40	-21.25	0-360	401	H
3	138.375	39.49	PK	16.4	-29.7	26.19	43.52	-17.33	0-360	201	H
4	290.3	35.05	PK	16.3	-28.5	22.85	46.02	-23.17	0-360	100	H
8	453.2	32.16	PK	19.9	-27.8	24.26	46.02	-21.76	0-360	100	V

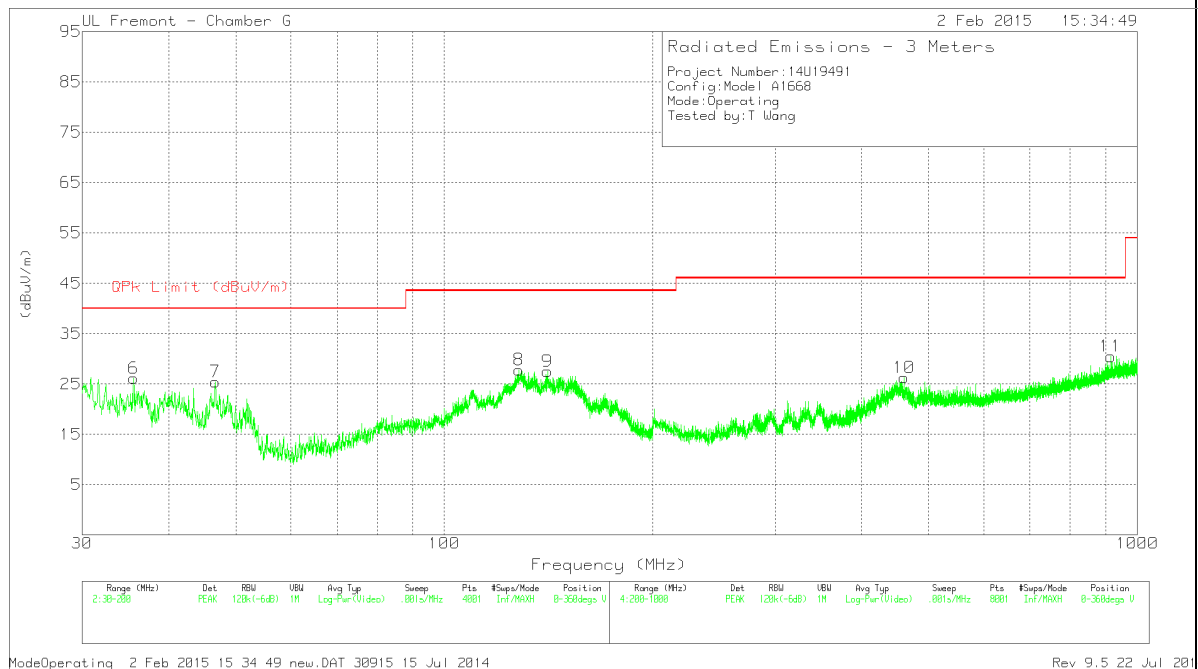
* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

8.4.2. CONFIGURATION 2



VERTICAL PLOT



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Hybrid	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	48.6575	41.99	PK	11.4	-30.6	22.79	40	-17.21	0-360	401	H
2	* 134.6775	51.55	PK	16.7	-29.8	38.45	43.52	-5.07	0-360	201	H
	* 134.5369	47.98	QP	16.7	-29.8	34.88	43.52	-8.64	321	189	H
3	140.075	52.07	PK	16.3	-29.7	38.67	43.52	-4.85	0-360	201	H
	139.9431	46.82	QP	16.3	-29.7	33.42	43.52	-10.1	321	189	H
4	* 279.9	40.11	PK	16.3	-28.7	27.71	46.02	-18.31	0-360	100	H
5	630.6	33.19	PK	22.5	-27	28.69	46.02	-17.33	0-360	100	H
6	35.61	36.83	PK	20.2	-30.9	26.13	40	-13.87	0-360	100	V
7	46.745	43.63	PK	12.5	-30.7	25.43	40	-14.57	0-360	100	V
8	* 128.005	40.9	PK	16.8	-29.9	27.8	43.52	-15.72	0-360	100	V
9	140.8825	40.89	PK	16.3	-29.7	27.49	43.52	-16.03	0-360	100	V
10	460.7	33.95	PK	20	-27.7	26.25	46.02	-19.77	0-360	100	V
11	915.1	30.38	PK	25.3	-25.2	30.48	46.02	-15.54	0-360	100	V

* - indicates frequency in CFR15.205/IC8.10 Restricted Band

PK - Peak detector

QP - Quasi-Peak detector

9. AC MAINS LINE CONDUCTED EMISSIONS

LIMITS

§15.207 (a)
IC RSS-GEN, Section 8.8

Frequency of emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50
* Decreases with the logarithm of the frequency.		

TEST PROCEDURE

ANSI C63.4-2009

RESULTS

9.1.1. CONFIGURATION 1

WORST EMISSIONS

Line-L1 .15 - 30MHz

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
1	.3255	47.62	PK	.5	0	48.12	59.6	-11.48	-	-
2	.3255	34.58	Av	.5	0	35.08	-	-	49.6	-14.52
3	.654	34.86	PK	.3	0	35.16	56	-20.84	-	-
4	.654	15.07	Av	.3	0	15.37	-	-	46	-30.63
5	1.149	28.79	PK	.2	0	28.99	56	-27.01	-	-
6	1.149	15.88	Av	.2	0	16.08	-	-	46	-29.92
7	19.266	21.44	PK	.3	.2	21.94	60	-38.06	-	-
8	19.266	13.67	Av	.3	.2	14.17	-	-	50	-35.83

Line-L2 .15 - 30MHz

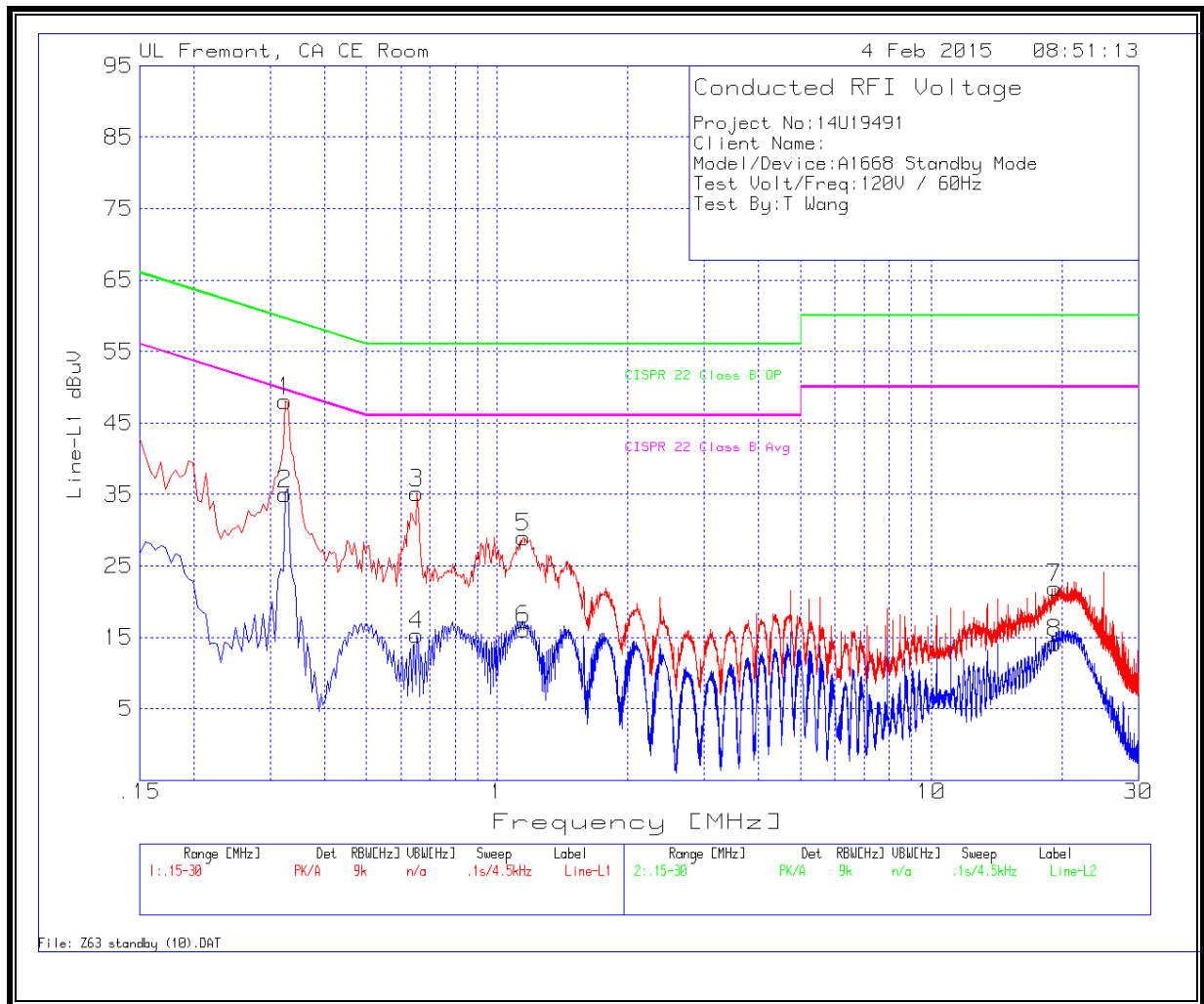
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
9	.33	46.9	PK	.5	0	47.4	59.5	-12.1	-	-
10	.33	36.04	Av	.5	0	36.54	-	-	49.5	-12.96
11	.6585	32.17	PK	.3	0	32.47	56	-23.53	-	-
12	.6585	13.88	Av	.3	0	14.18	-	-	46	-31.82
17	1.1895	36.97	PK	.3	.1	37.37	56	-18.63	-	-
18	1.1895	22.49	Av	.3	.1	22.89	-	-	46	-23.11
13	1.194	29.01	PK	.3	.1	29.41	56	-26.59	-	-
14	1.194	16.54	Av	.3	.1	16.94	-	-	46	-29.06
15	14.2395	21.57	PK	.2	.2	21.97	60	-38.03	-	-
16	14.2395	14.45	Av	.2	.2	14.85	-	-	50	-35.15
19	19.59	28.84	PK	.3	.2	29.34	60	-30.66	-	-
20	19.59	19.67	Av	.3	.2	20.17	-	-	50	-29.83

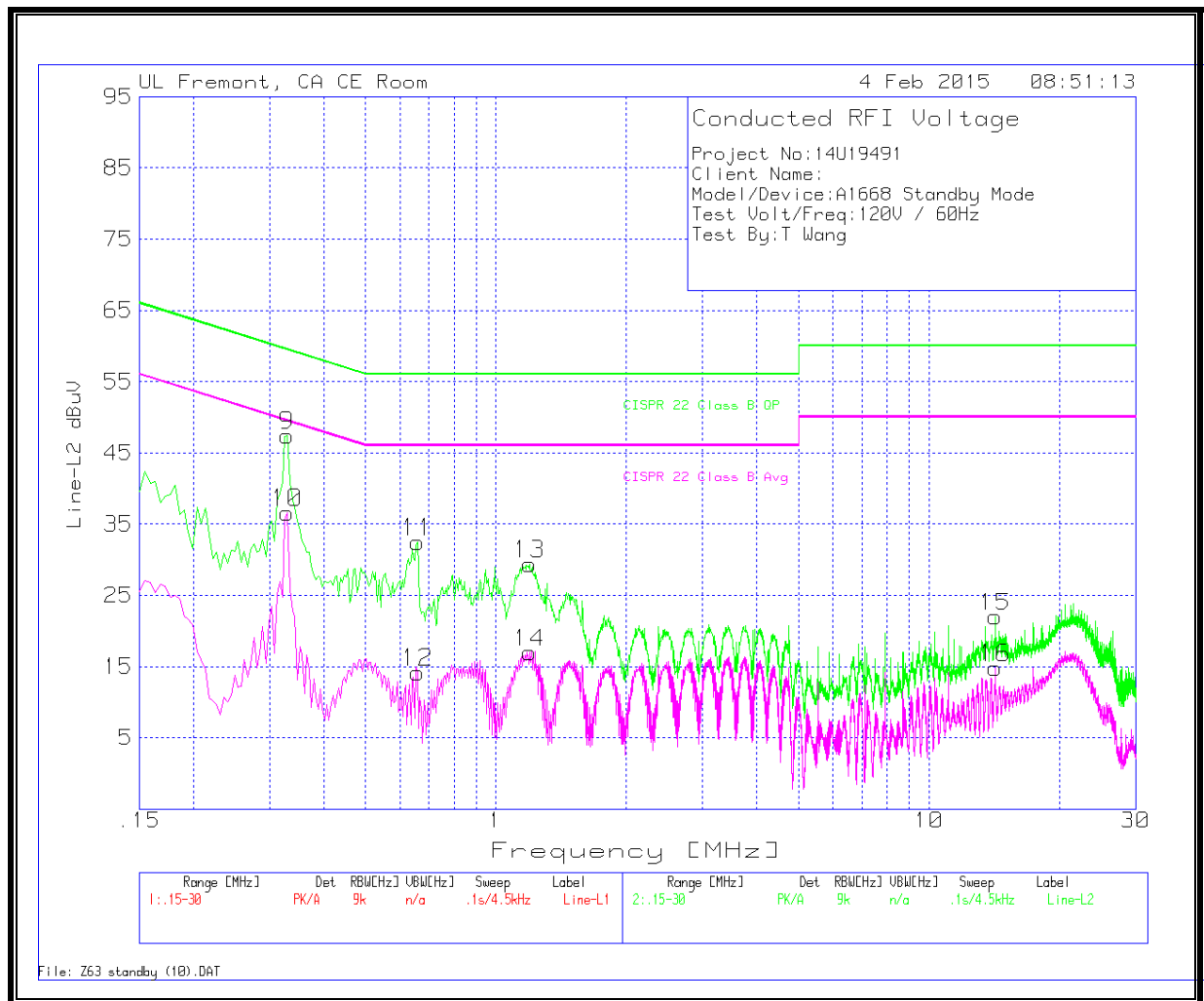
PK - Peak detector

Av - average detection

LINE 1 RESULTS



LINE 2 RESULTS



9.1.2. CONFIGURATION 2

WORST EMISSIONS

Line-L1 .15 - 30MHz

Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
1	.15	52.48	PK	1.4	0	53.88	66	-12.12	-	-
2	.15	29.96	Av	1.4	0	31.36	-	-	56	-24.64
3	.33	48.28	PK	.5	0	48.78	59.5	-10.72	-	-
4	.33	36.95	Av	.5	0	37.45	-	-	49.5	-12.05
5	.924	37.6	PK	.3	0	37.9	56	-18.1	-	-
6	.924	26.83	Av	.3	0	27.13	-	-	46	-18.87
7	1.2525	37.59	PK	.2	0	37.79	56	-18.21	-	-
8	1.2525	24.42	Av	.2	0	24.62	-	-	46	-21.38
9	5.8785	29.92	PK	.2	.1	30.22	60	-29.78	-	-
10	5.8785	20.44	Av	.2	.1	20.74	-	-	50	-29.26

Line-L2 .15 - 30MHz

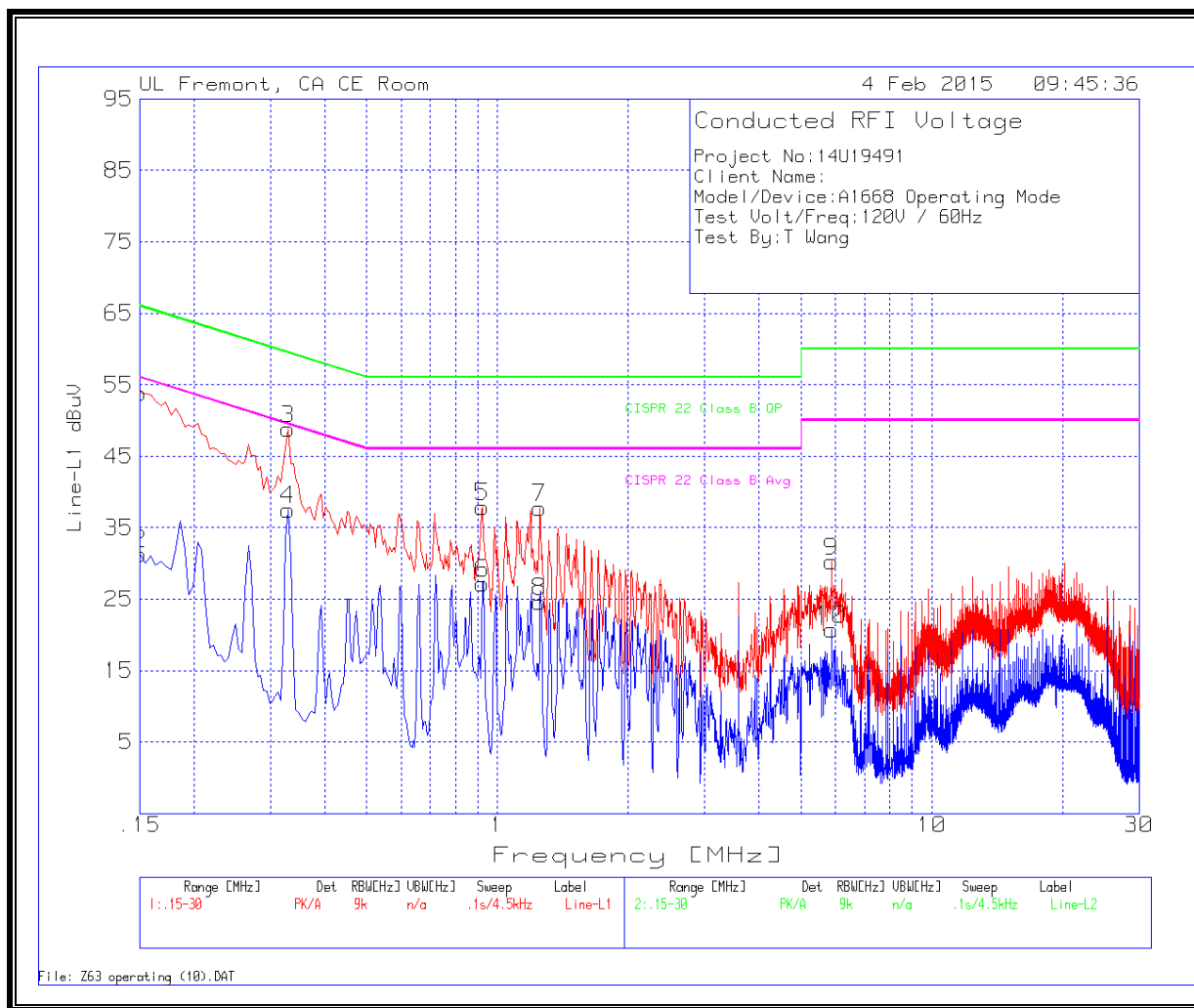
Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
11	.15	52.59	PK	1.5	0	54.09	66	-11.91	-	-
12	.15	28.79	Av	1.5	0	30.29	-	-	56	-25.71
13	.33	47.83	PK	.5	0	48.33	59.5	-11.17	-	-
14	.33	36.37	Av	.5	0	36.87	-	-	49.5	-12.63
15	.591	38.19	PK	.3	0	38.49	56	-17.51	-	-
16	.591	18.24	Av	.3	0	18.54	-	-	46	-27.46
17	1.1895	36.97	PK	.3	.1	37.37	56	-18.63	-	-
18	1.1895	22.49	Av	.3	.1	22.89	-	-	46	-23.11
19	19.59	28.84	PK	.3	.2	29.34	60	-30.66	-	-
20	19.59	19.67	Av	.3	.2	20.17	-	-	50	-29.83

PK - Peak detector

Av - average detection

LINE 1 RESULTS



LINE 2 RESULTS

