CERTIFICATION TEST REPORT

Report Number. : 12936083-E1V2

Applicant	:	APPLE, INC. ONE APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.
Model	:	A2255
FCC ID	:	BCGA2255
IC	:	579C-A2255
EUT Description	:	MAGNETIC CHARGING CABLE
Test Standard(s)	:	FCC 47 CFR PART 15 SUBPART C ISED RSS-216 ISSUE 2

Date Of Issue:
August 23, 2019

Prepared by:
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NVLAP Lab code: 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	8/21/2019	Initial Issue	Chin Pang
V2	8/23/2019	Address TCB"s Questions	Chin Pang

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: APPLE, INC.
ONE APPLE PARK WAY
CUPERTINO, CA 95014,

EUT DESCRIPTION: MAGNETIC CHARGING CABLE

MODEL: A2255

SERIAL NUMBER: DLC9226006WMF564M, DLC9223005MLNWK4C & DLC923300E5MF554P

DATE TESTED: JULY 2, 2019 TO JULY 17, 2019

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC PART 15 SUBPART C	Complies
ISED RSS-216 Issue 2, Annex B	Complies
ISED RSS-GEN Issue 5	Complies

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

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 the U.S. government.

Approved & Released For
UL Verification Services Inc. By:

Chin Pang
Senior Engineer
Consumer Technology Division
UL Verification Services Inc.

Prepared By:

Joe Vang
Test Engineer
Consumer Technology Division
UL Verification Services Inc.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, FCC CFR 47 Part 2, and FCC CFR 47 Part 15, RSS-GEN Issue 5 and RSS-216 Issue 2 January 2016.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, and 47658 Kato Road, 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 ISED Site Code:	47266 Benicia Street ISED Site Code:	47658 Kato Rd ISED Site Code:
☐ Chamber A (IC:2324B-1)	☐ Chamber D (IC:22541-1)	☐ Chamber I (IC: 2324A-5)
☐ Chamber B (IC:2324B-2)	☐ Chamber E (IC:22541-2)	☐ Chamber J (IC: 2324A-6)
☐ Chamber C (IC:2324B-3)	☐ Chamber F (IC:22541-3)	☐ Chamber K (IC: 2324A-1)
	☒ Chamber G (IC:22541-4)	☐ Chamber L (IC: 2324A-3)
	☐ Chamber H (IC:22541-5)	

The above test sites and facilities are covered under FCC Test Firm Registration # 208313. Chambers above are covered under Industry Canada company address and respective code

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0

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

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:
Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

MAINS CONDUCTED EMISSIONS

Where relevant, the following sample calculation is provided:
Final Voltage (dBuV) = Measured Voltage (dBuV) + Cable Loss (dB) + Limiter Factor (dB) + LISN Insertion Loss.
36.5 dBuV + 0 dB +10.1 dB+ 0 dB = 46.6 dBuV

4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.84 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.65 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.52 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	4.88 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.24 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.37 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.17 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a magnetic charging cable which has a single inductive charging coil to charge Apple Watch. The charging frequency is 326.5 kHz, and the maximum power consumption is 5W in charging status.

5.2. MAXIMUM OUTPUT POWER

The transmitter has maximum peak radiated electric and magnetic field strength as follows:

Fundamental Frequency (KHz)	Mode	E field (300m distance) FCC (dBuV/m)	H field (3m distance) IC (dBuA/m)
326.5	Standby (Config 1)	-22.24	6.92
326.5	Operating (Config 2)	-21.36	5.48

5.3. SOFTWARE AND FIRMWARE

The firmware version installed in the EUT during testing was 9.3.0

5.4. WORST-CASE CONFIGURATION AND MODE

The EUT is a single frequency magnetic charger enclosed in a stainless steel case. For the entire radiated emissions test, the EUT was investigated on the following configuration during the test at its natural orientation.

Config	Mode	Descriptions
1	Standby	EUT Alone powered by AC/DC adapter
2	Operating	EUT and Watch powered by AC/DC adapter

AC power line conducted emissions were also investigated on the following configurations.

Config	Mode	Descriptions
1	Standby	EUT Alone powered by AC/DC adapter
2	Operating	EUT and Watch powered by AC/DC adapter
3	Standby	EUT Alone powered by laptop
4	Operating	EUT and Watch powered by laptop

For below 30MHz & 1GHz tests EUT was connected to AC power adapter as the worst case, the worst-case configuration reported was tested with EUT only. For AC line conducted emission, test was investigated with AC power adapter and with laptop.

The EUT was tested as standby and operation modes. During operational mode, EUT was tested with two different sizes of watches, small and big of having similar mechanical structure.

For all radiated emissions tests, both small and big watches were investigated and no significant different in reading was found between both watches; the big watch was chosen to test as the worst case condition since it has max load overall, hence all final data for operational mode represents EUT with the big watch. During the charging process, the watch actively indicates the status of the charging process. Device being charged was at a state of 20 – 50% charged.

For below 30MHz testing, investigation was done on three antenna orientations: RX antenna Face-on, Face-off and horizontal (parallel to ground). The worst-case configurations were determined on RX antenna Face-on and Face-off; therefore, all final tests were performed using these two orientations.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 300 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788 D01.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT & PERIPHERALS

SUPPORT EQUIPMENT & PERIPHERALS LIST				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
AC/DC adapter	Apple	A1385	N/A	N/A
Watch	Apple	A2095	D92YT005MWC4	BCG-A2095
Laptop	Apple	MacBook Pro	C02SG8l0G8WP	FCC DoC
Laptop Adapter	Apple	1450-8A1	N/A	N/A
Charging Base	Apple	N/A	920-00855-01	N/A

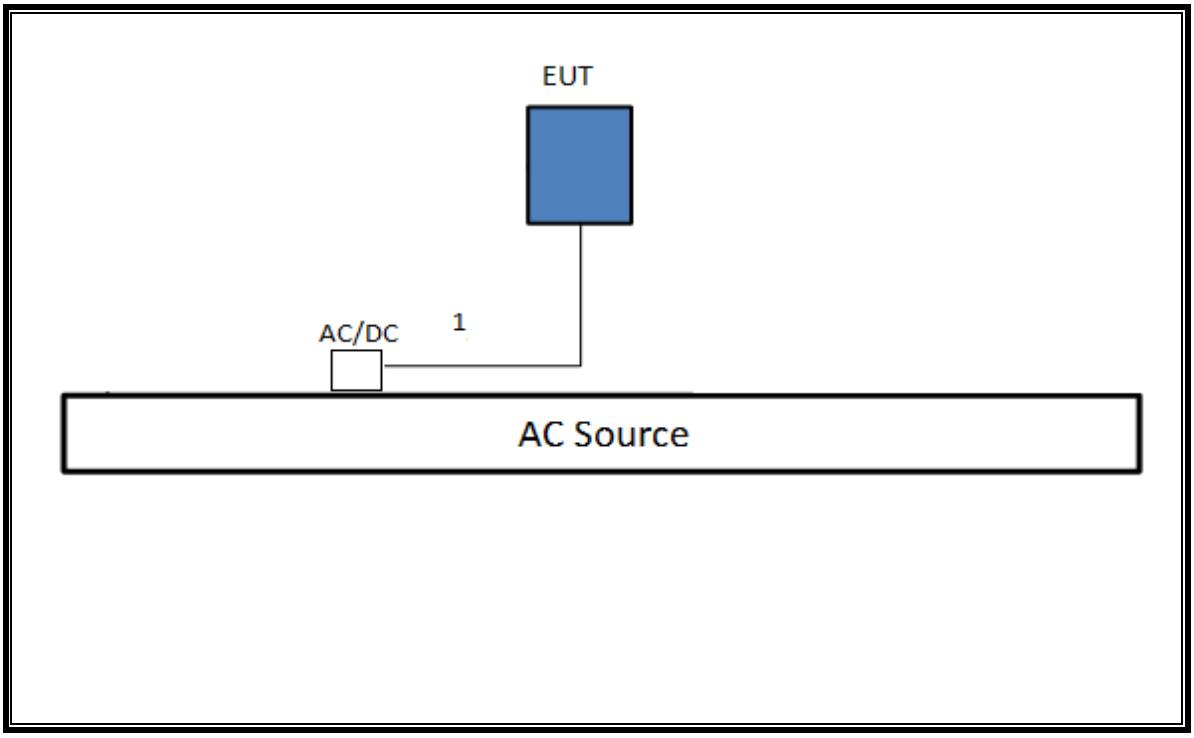
I/O CABLES

I/O CABLE LIST						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	DC	1	USB	Un-shielded	2	5W Power Supply
2	DC	1	Magnetic 5 pin	Un-shielded	2	60W Power Supply

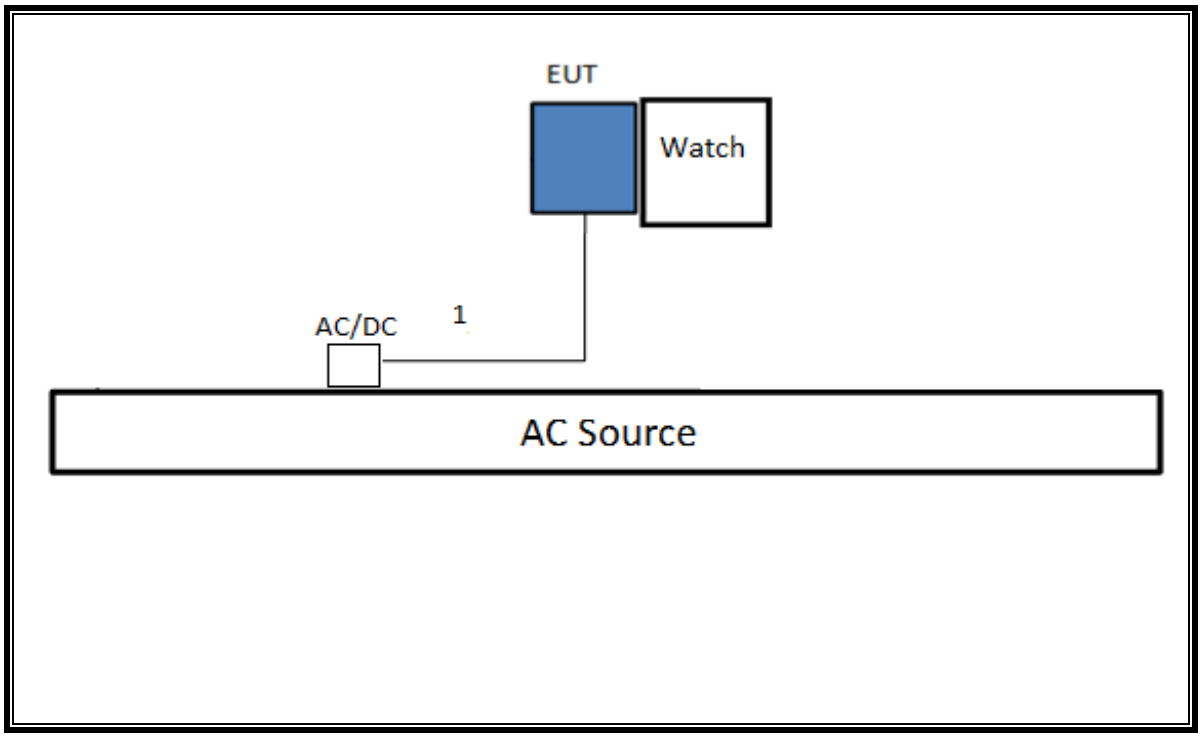
TEST SETUP

Please see the following configurations for the test setups. Configurations 1 and 2 indicate that the EUT is directly connected to an AC/DC adapter via USB cable. Configurations 3 and 4 indicate that the EUT is directly connected to a Host PC via USB cable.

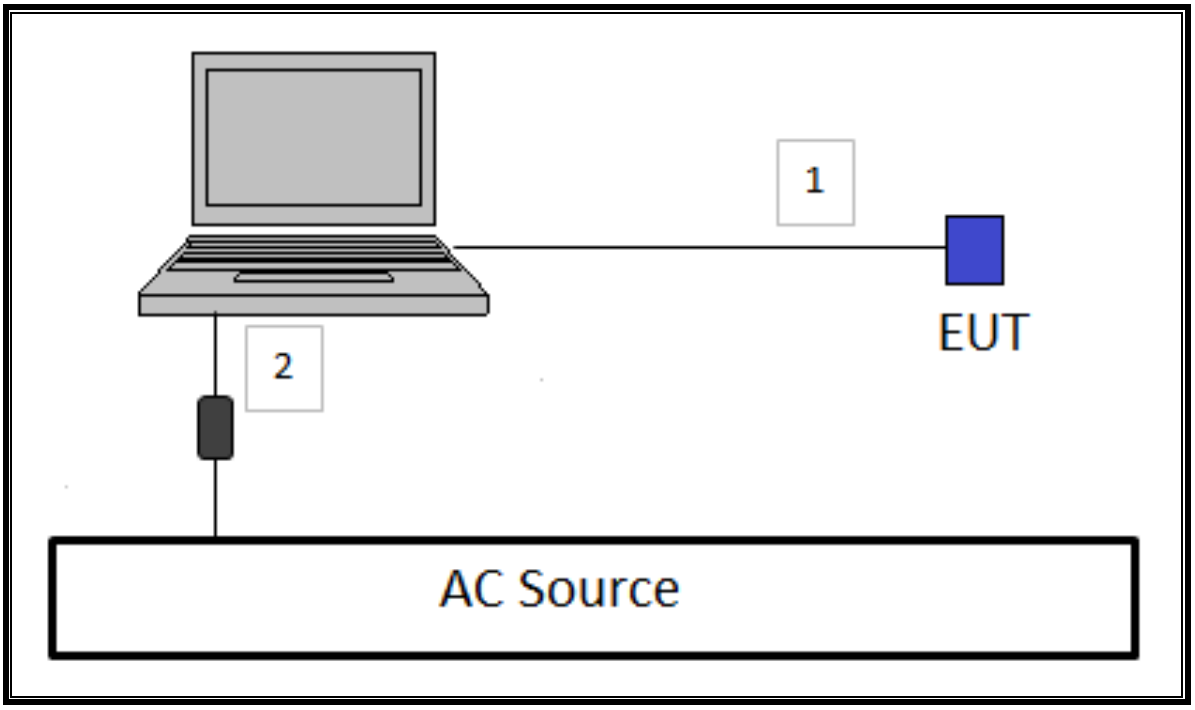
CONFIGURATION 1: STANDBY MODE



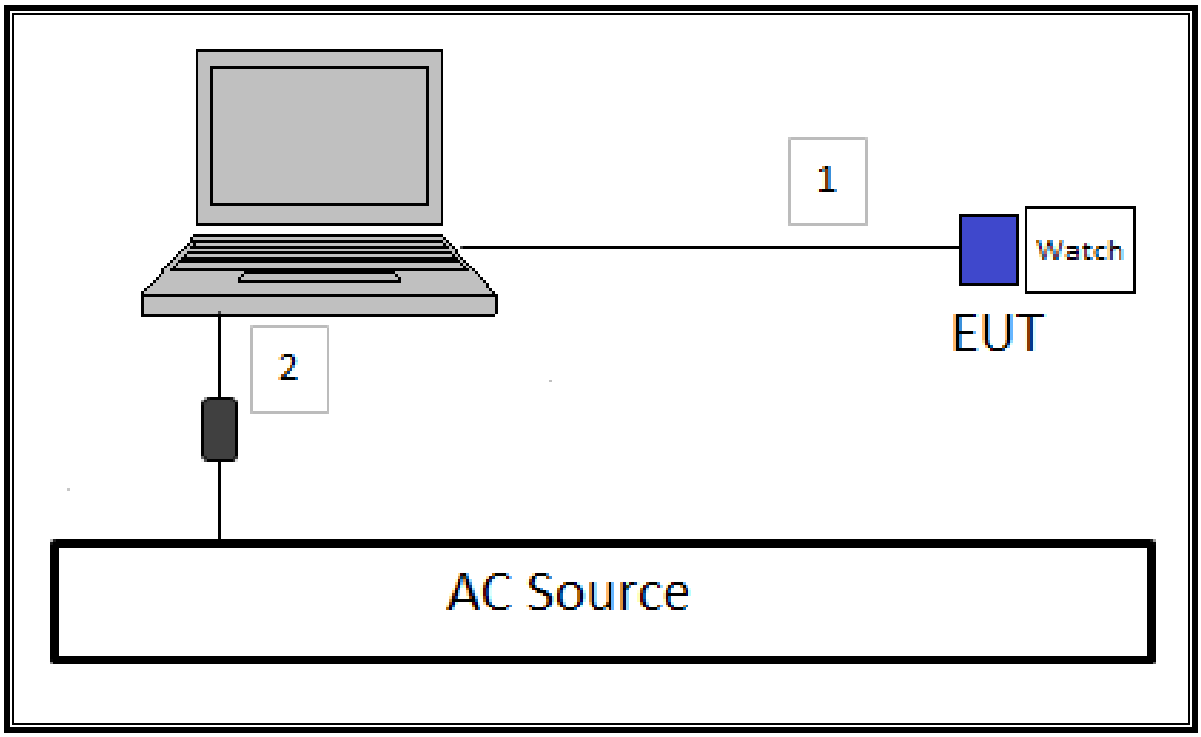
CONFIGURATION 2: OPERATING MODE WITH WATCH



CONFIGURATION 3: AC LINE SETUP: STANDBY MODE BY HOST PC VIA USB CABLE



CONFIGURATION 4: AC LINE SETUP: OPERATING MODE WITH WATCH BY HOST PC VIA USB CABLE



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**	**ID Num**	**Cal Due**
Antenna, Active Loop 9KHz to 30MHz	ETS-Lindgren	6502	T1616	10/18/2019
Antenna, Broadband Hybrid, 30MHz to 2000MHz w/4dB	Sunol Sciences Crop.	JB3	T477	07/24/2019
Amplifier, 10kHz to 1GHz, 32dB	Sonoma Instrument	310N	T834	06/01/2020
Sniffer Probes	Electro Metrics	EM-6992	N/A	N/A
Thermometer	Control Company	14-650-118, 15557603	T1816	01/11/2020
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A-544	T1113	01/22/2020

AC Line Conducted				
EMI Test Receiver 9Khz-7GHz	Rohde & Schwarz	ESCI7	T1436	02/14/2020
Power Cable, Line Conducted Emissions	UL	PG1	T861	08/31/2019
LISN for Conducted Emissions CISPR-16	Fischer	50/250-25-2-01	T1310	01/20/2020
UL AUTOMATION SOFTWARE				
Radiated Software	UL	UL EMC	Ver 9.5, April 26, 2016	
Conducted Software	UL	UL EMC	Ver 5.4, October 13, 2016	
AC Line Conducted Software	UL	UL EMC	Ver 9.5, May 26, 2015	

7. OCCUPIED BANDWIDTH

TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. The RBW is set to 300Hz. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

Note: Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

Note that when the EUT was in standby mode the only signal that comes out from the EUT was the intentional charging signal of 326.5kHz. On the other hand, when the EUT was in operational mode there were two signals. One of the intentional charging signal of 326.5kHz and the other one the control signal of 340kHz that controls the communication/charging status between EUT and the client device-the watch.

EUT SETUP

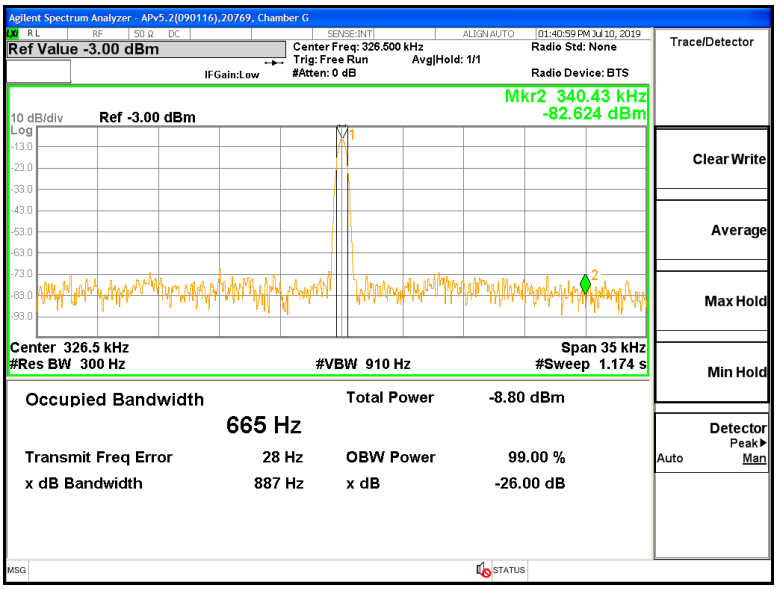
Configuration 1: Charger in standby mode, transmitting low duty cycle CW signal at 326.5kHz test.

Configuration 2: Charger in pairing mode with FSK modulation (-0/+15 kHz) which occurs over a very short period of time as soon as the watch is placed on the charger.

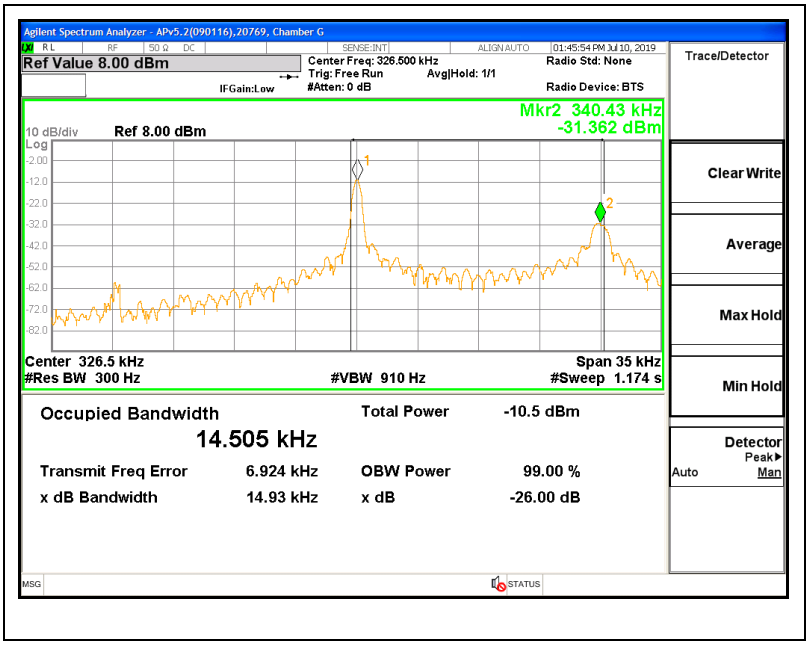
Configuration 3: Charger in charging mode with CW signal and duty cycle varied to control charge level via load modulation from watch.

RESULTS

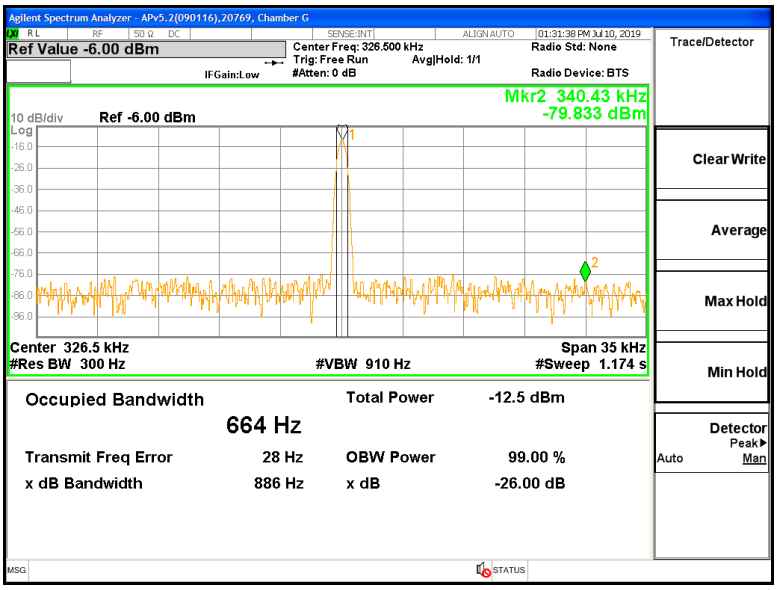
7.1.1. CONFIG 1



7.1.2. CONFIG 2



7.1.3. CONFIG 3



8. RADIATED EMISSION TEST RESULTS

8.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.209 (a)
ICES-001 Section 6.2, IC RSS-216 6.2.2, and IC RSS-GEN Sections 8.9 and 8.10.

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.		

CISPR 11:04

Electromagnetic radiation disturbance limits for class B group 2 equipment measured on a test site

Frequency Range (MHz)	Magnetic Field Strength Limit Class B Group 2 @ 3m Distance (dBuA/m)
	Quasi-peak
0.009 - 0.070	69
0.070 - 0.1485	69 Decreasing Linearly with Logarithm of Frequency to 39
0.1485 - 4.0	39 Decreasing Linearly with Logarithm of Frequency to 3
4.0 - 30	3
The limits of this table apply to induction cooking appliances intended for commercial use and those for domestic use with a diagonal diameter of more than 1.6m. The measurements are performed at 3m distance with a 0.6 m loop antenna as described in 4.2.1 of CISPR 16-1-4. The antenna should be vertically installed, with the lower edge of the loop at 1m height above the floor.	

Frequency Range (MHz)	Electric Field Strength Limit Class B Group 2 @ 3m Distance (dBuV/m)	
	Quasi-peak	Average
30 – 80,872	40	35
80,872 – 81,848	60	55
81,848 – 134,786	40	35
134,786 – 136,414	60	55
136,414 – 230	40	35
230 – 1 000	47	42

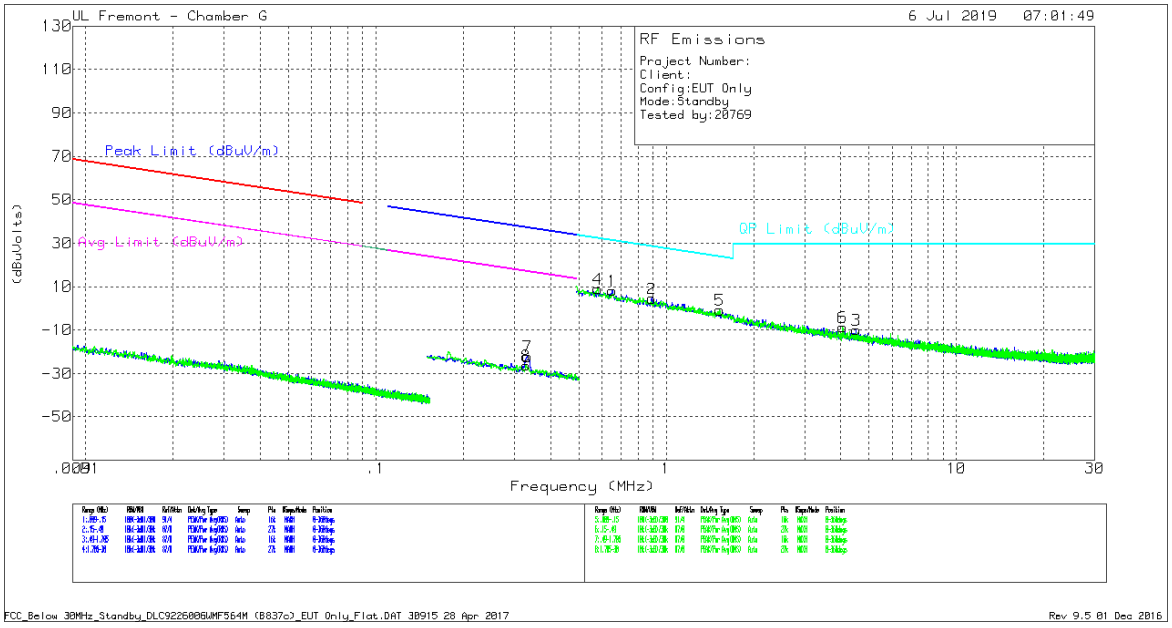
RESULTS

8.2. STAINLESS STEEL WITH 0.3M CABLE

8.2.1. FCC TX FUNDAMENTAL AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz

STANDBY CONFIGURATION

FACE-ON AND FACE-OFF PLOT



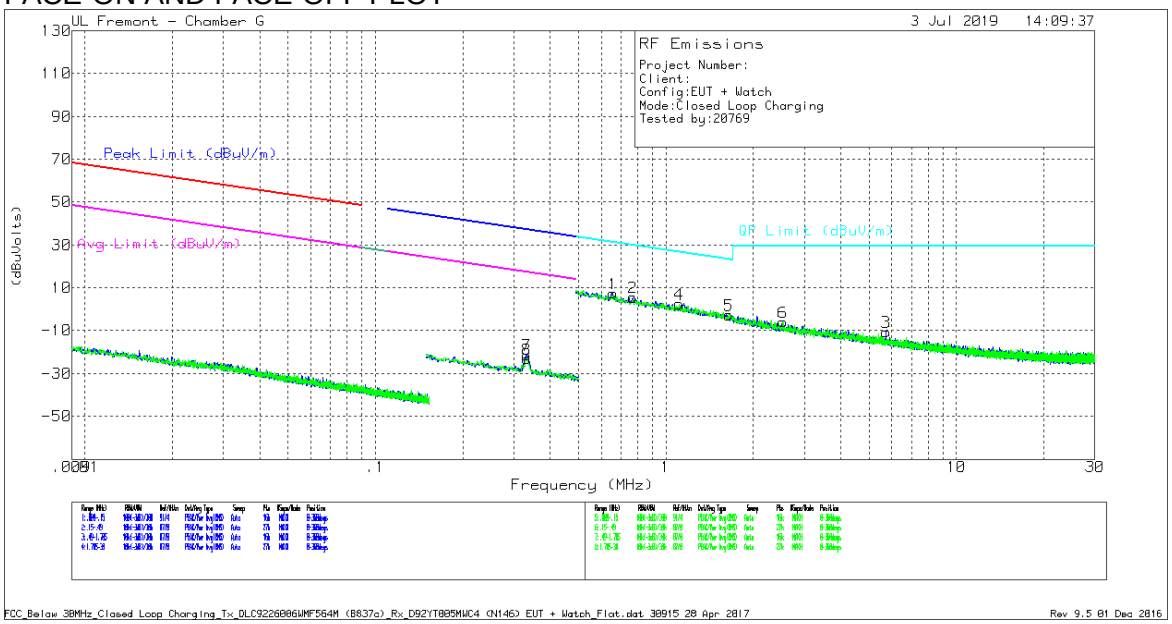
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
4	.57173	30.21	Qp	11	.1	-40	1.31	32.46	-31.15	168
1	.65327	32.18	Qp	11	.1	-40	3.28	31.31	-28.03	272
2	.87992	25.87	Qp	11.1	.1	-40	-2.93	28.73	-31.66	312
5	1.52316	20.29	Qp	11.3	.1	-40	-8.31	23.98	-32.29	97
6	4.07311	11.5	Qp	11.4	.2	-40	-16.9	29.5	-46.4	333
3	4.52317	10.84	Qp	11.3	.2	-40	-17.66	29.5	-47.16	0
8	.32919	42.61	Qp	10.9	.1	-80	-26.39	37.26	-63.65	25
7	.33315	46.76	Qp	10.9	.1	-80	-22.24	37.16	-59.4	196

Qp - Quasi-Peak detector

OPERATING WITH WATCH

FACE-ON AND FACE-OFF PLOT



DATA

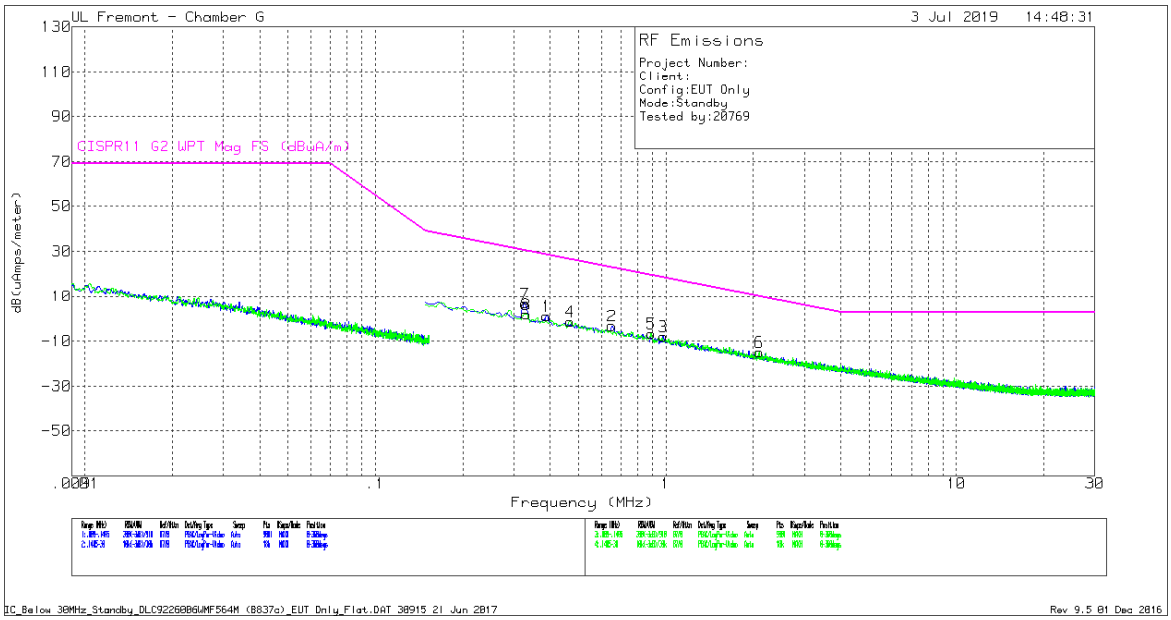
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.65224	31.94	Qp	11	.1	-40	3.04	31.32	-28.28	159
2	.77419	27.16	Qp	11	.1	-40	-1.74	29.84	-31.58	333
4	1.1033	23.52	Qp	11.3	.1	-40	-5.08	26.77	-31.85	57
5	1.65167	19.54	Qp	11.3	.1	-40	-9.06	23.28	-32.34	31
6	2.54539	15.49	Qp	11.3	.2	-40	-13.01	29.5	-42.51	3
3	5.71274	9.04	Qp	11.1	.3	-40	-19.56	29.5	-49.06	40
7	.33149	47.64	Qp	10.9	.1	-80	-21.36	37.2	-58.56	278
8	.33214	45.74	Qp	10.9	.1	-80	-23.26	37.18	-60.44	102

Qp - Quasi-Peak detector

8.2.2. IC / CISPR 11 TX FUNDAMENTAL AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz

STANDBY CONFIGURATION

FACE-ON AND FACE-OFF PLOT



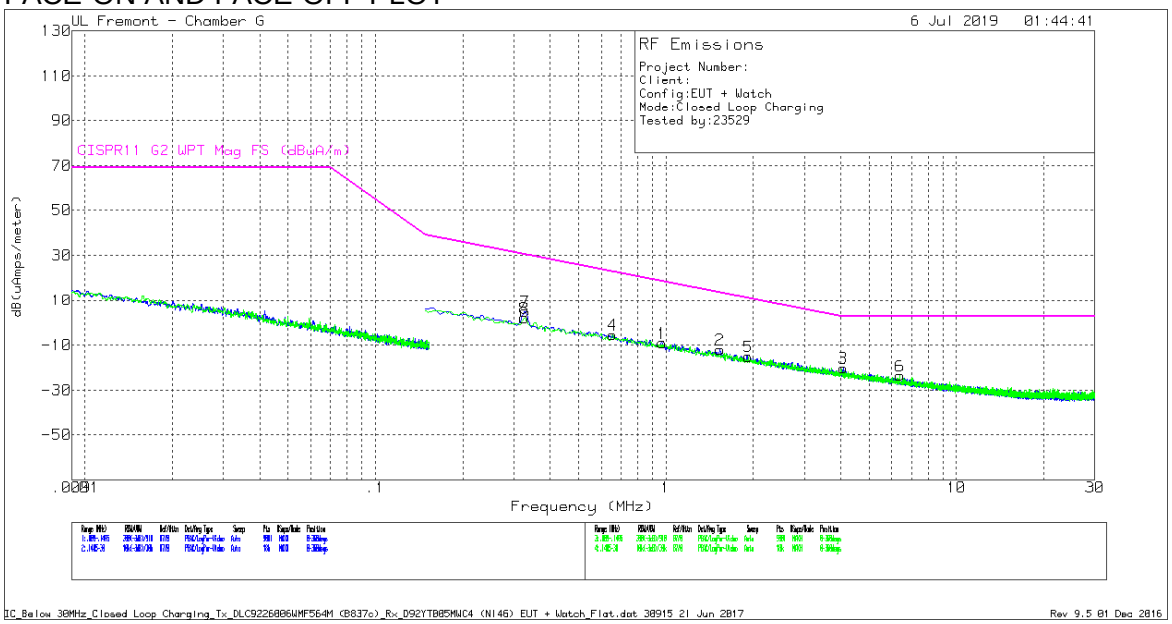
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Corrected Reading dB(uAmps/meter)	CISPR11 G2 WPT Mag FS (dBuA/m)	Margin (dB)	Azimuth (Degs)
1	.39521	33.01	Qp	-40.6	.1	-7.49	28.3	-35.79	25
4	.45954	30.97	Qp	-40.5	.1	-9.43	26.65	-36.08	28
2	.65523	31.69	Qp	-40.4	.1	-8.61	22.77	-31.38	333
5	.90575	24.72	Qp	-40.4	.1	-15.58	19.24	-34.82	138
3	.98042	26.19	Qp	-40.2	.1	-13.91	18.37	-32.28	266
6	2.10723	16.76	Qp	-40.2	.2	-23.24	10.01	-33.25	225
7	.32756	47.32	Qp	-40.5	.1	6.92	30.35	-23.43	325
8	.33088	42.42	Qp	-40.5	.1	2.02	30.24	-28.22	127

Qp - Quasi-Peak detector

OPERATING WITH WATCH

FACE-ON AND FACE-OFF PLOT



DATA

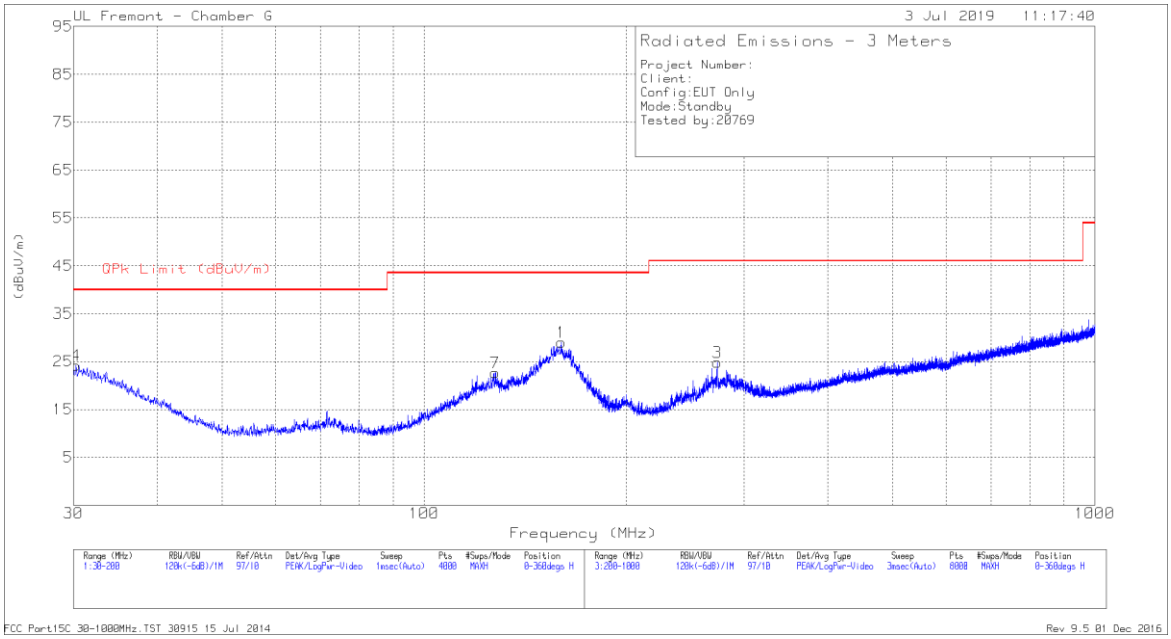
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Corrected Reading dB(uAmps/meter)	CISPR11 G2 WPT Mag FS (dBuA/m)	Margin (dB)	Azimuth (Degs)
4	.65464	29.71	Qp	-40.4	.1	-10.59	22.78	-33.37	331
1	.95634	24.51	Qp	-40.3	.1	-15.69	18.64	-34.33	287
2	1.52127	19.99	Qp	-40.2	.1	-20.11	13.57	-33.68	253
5	1.92421	17.67	Qp	-40.2	.2	-22.33	11	-33.33	104
3	4.06827	11.49	Qp	-40.1	.2	-28.41	3	-31.41	209
6	6.37434	8.1	Qp	-40.3	.3	-31.9	3	-34.9	80
8	.32591	42.53	Qp	-40.5	.1	2.13	30.41	-28.28	228
7	.32756	45.47	Qp	-40.5	.1	5.07	30.35	-25.28	750

Qp - Quasi-Peak detector

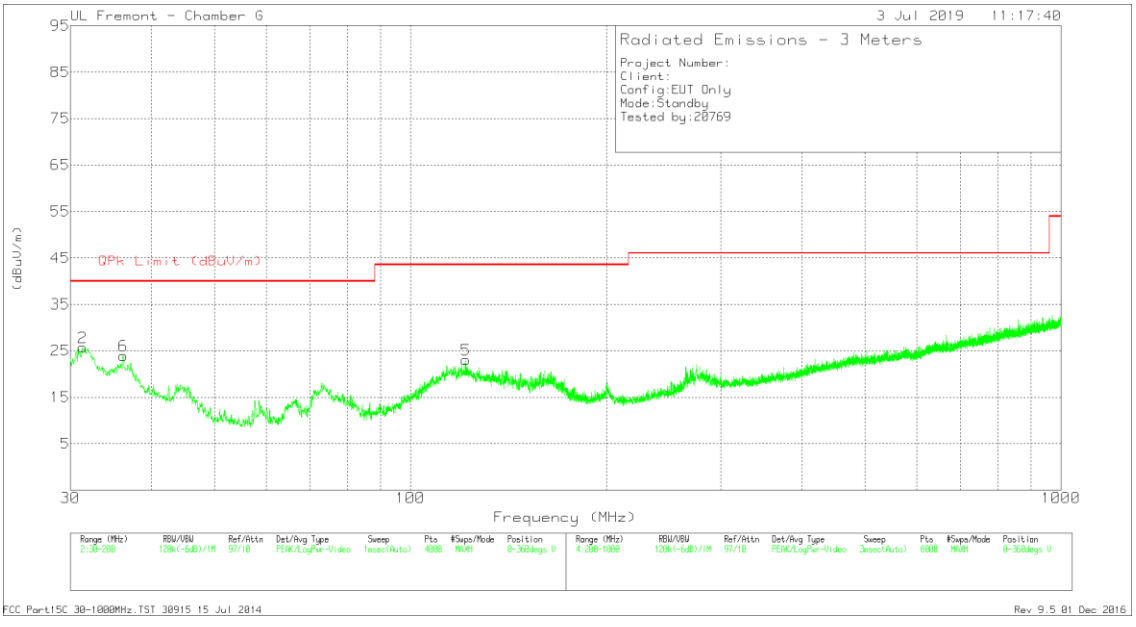
8.2.3. FCC TX SPURIOUS EMISSION 30 TO 1000 MHz

STANDBY CONFIGURATION

HORIZONTAL PLOT



VERTICAL PLOT



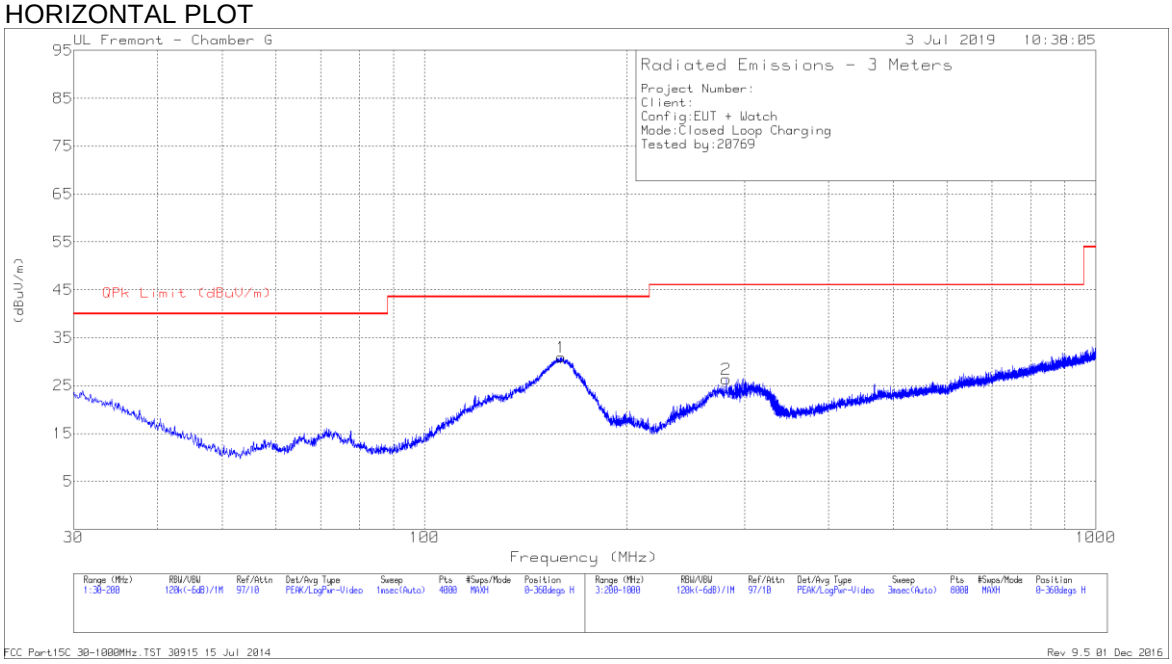
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
7	* 127.7261	27.32	Qp	19.6	-30.2	16.72	43.52	-26.8	183	246	H
5	* 121.7353	27.35	Qp	19.7	-30.2	16.85	43.52	-26.67	71	101	V
4	30.3578	22.89	Qp	26.5	-31.2	18.19	40	-21.81	137	254	H
2	31.2684	24.88	Qp	26.1	-31.2	19.78	40	-20.22	319	123	V
6	36.3791	25.89	Qp	22.3	-31.1	17.09	40	-22.91	32	104	V
1	160.3242	35.48	Qp	18.1	-29.8	23.78	43.52	-19.74	63	187	H

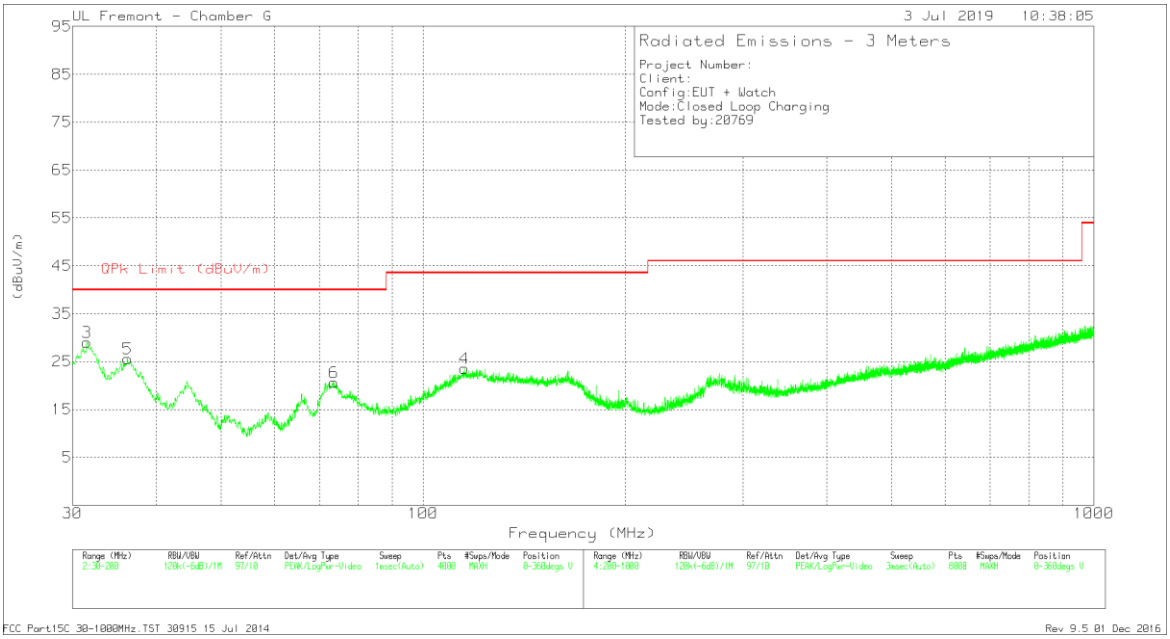
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Qp - Quasi-Peak detector

OPERATING WITH WATCH

HORIZONTAL PLOT



VERTICAL PLOT



DATA

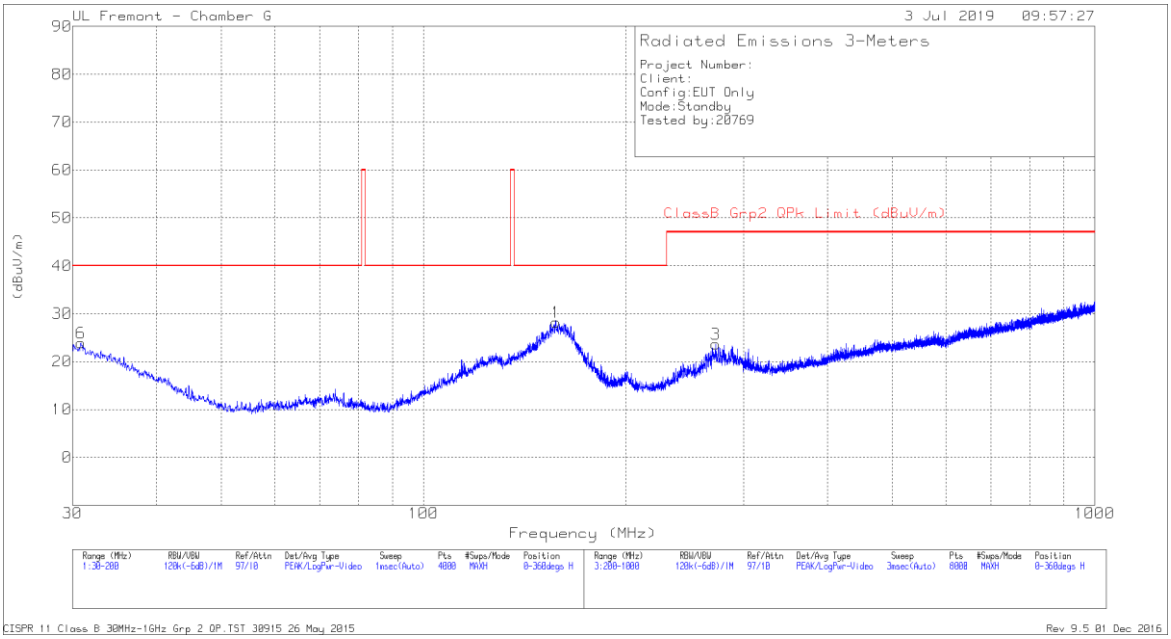
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	* 114.4271	29.44	Qp	19.1	-30.3	18.24	43.52	-25.28	95	107	V
2	* 281.4596	31.14	Qp	19.2	-29	21.34	46.02	-24.68	147	117	H
3	31.5472	28.05	Qp	25.7	-31.2	22.55	40	-17.45	352	117	V
5	36.1737	27.29	Qp	22.4	-31.1	18.59	40	-21.41	330	154	V
6	72.1338	34.09	Qp	13.9	-30.7	17.29	40	-22.71	83	109	V
1	159.8127	39.69	Qp	18.1	-29.9	27.89	43.52	-15.63	57	190	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Qp - Quasi-Peak detector

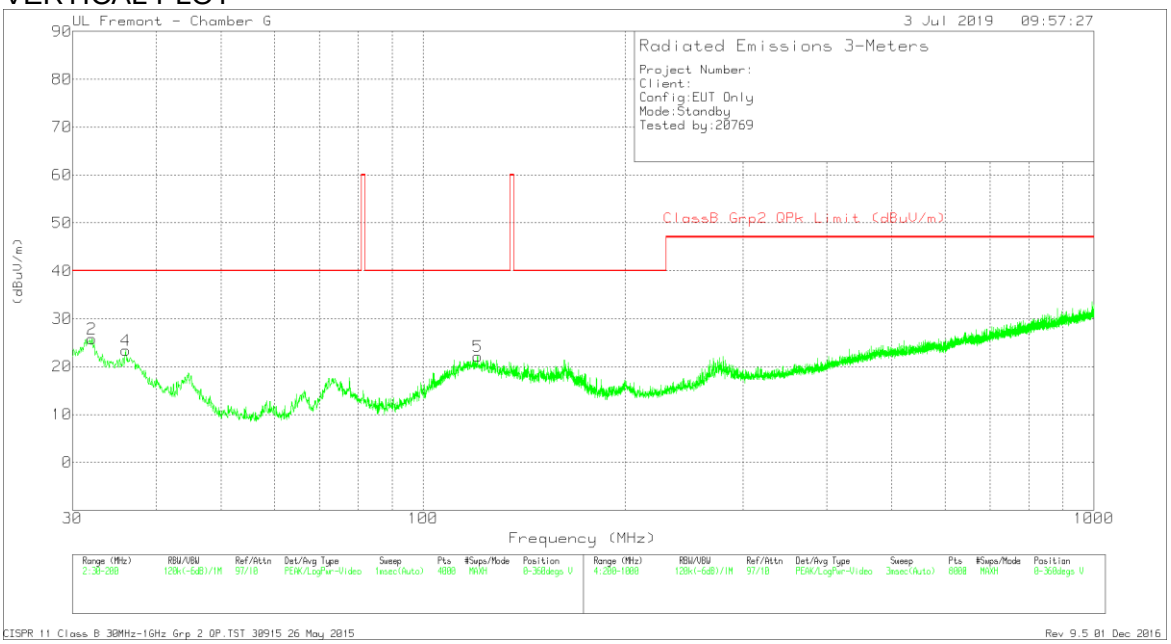
8.2.4. IC / CISPR 11 TX SPURIOUS EMISSION 30 TO 1000 MHz

STANDBY CONFIGURATION

HORIZONTAL PLOT



VERTICAL PLOT



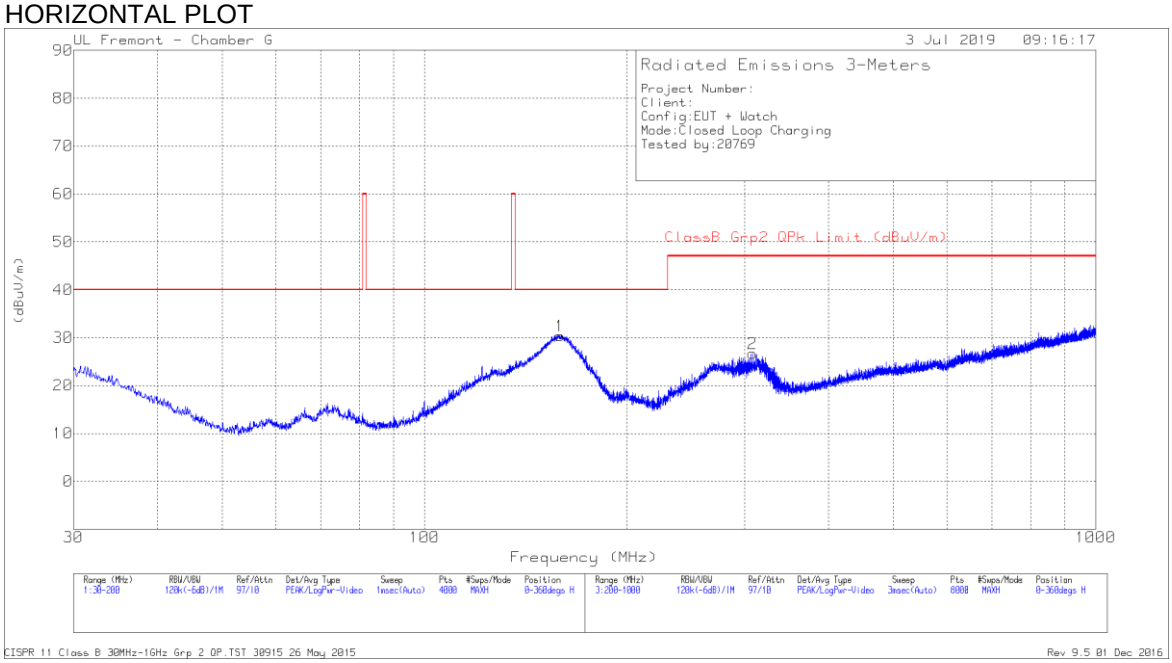
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	ClassB Grp2 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	30.7163	22.81	Qp	26.4	-31.2	18.01	40	-21.99	147	303	H
2	31.8992	24.83	Qp	25.3	-31.2	18.93	40	-21.07	157	158	V
4	36.1079	25.51	Qp	22.4	-31.1	16.81	40	-23.19	320	132	V
5	120.4178	27.34	Qp	19.6	-30.2	16.74	40	-23.26	70	101	V
1	157.4487	35.71	Qp	18.1	-30	23.81	40	-16.19	50	192	H
3	272.337	22.62	Qp	19.1	-29.1	12.62	47	-34.38	267	157	H

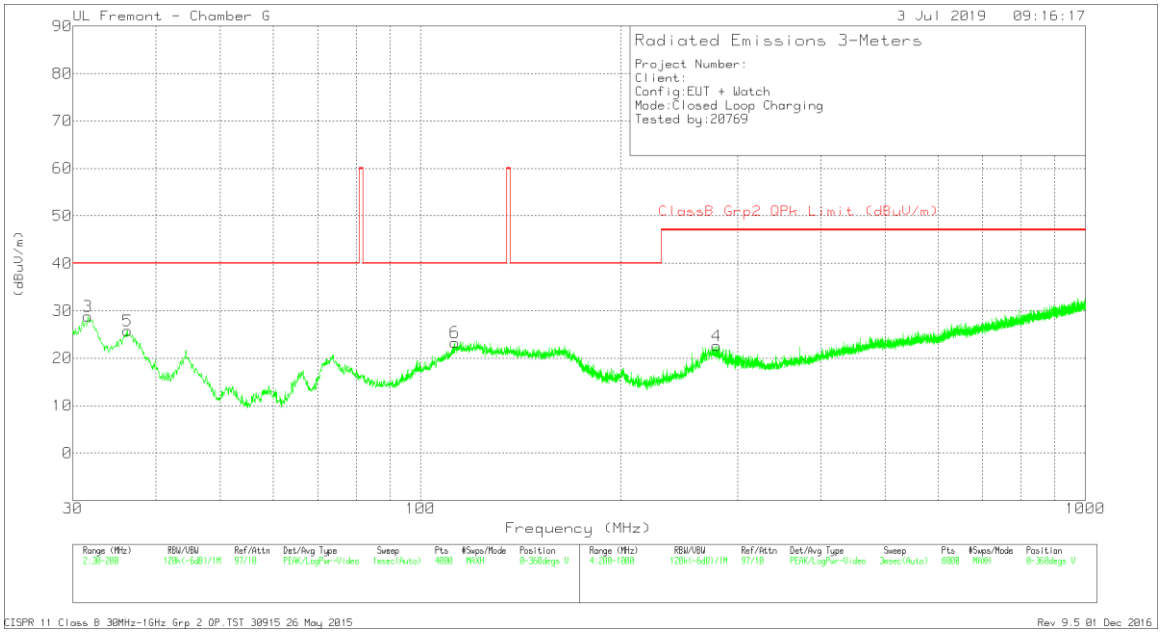
Qp - Quasi-Peak detector

OPERATING WITH WATCH

HORIZONTAL PLOT



VERTICAL PLOT



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	ClassB Grp2 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	31.7877	28.06	Qp	25.5	-31.2	22.36	40	-17.64	16	117	V
5	36.4613	28.55	Qp	22.2	-31.1	19.65	40	-20.35	273	113	V
6	114.6619	29.81	Qp	19.2	-30.3	18.71	40	-21.29	76	102	V
1	156.7949	39.93	Qp	18.1	-30	28.03	40	-11.97	43	176	H
4	278.6971	25.79	Qp	19.2	-29.1	15.89	47	-31.11	14	117	V
2	308.1704	30.85	Qp	19.5	-28.8	21.55	47	-25.45	146	104	H

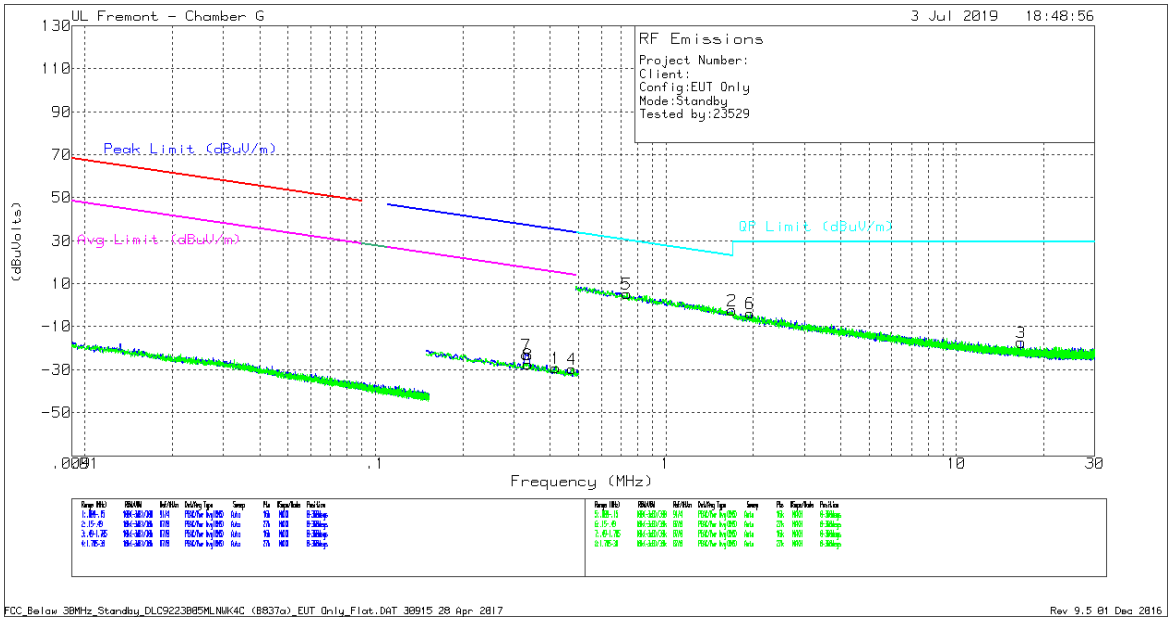
Qp - Quasi-Peak detector

8.3. STAINLESS STEEL WITH 1M CABLE

8.3.1. FCC TX FUNDAMENTAL AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz

STANDBY CONFIGURATION

FACE-ON AND FACE-OFF PLOT



DATA

Radiated Emissions

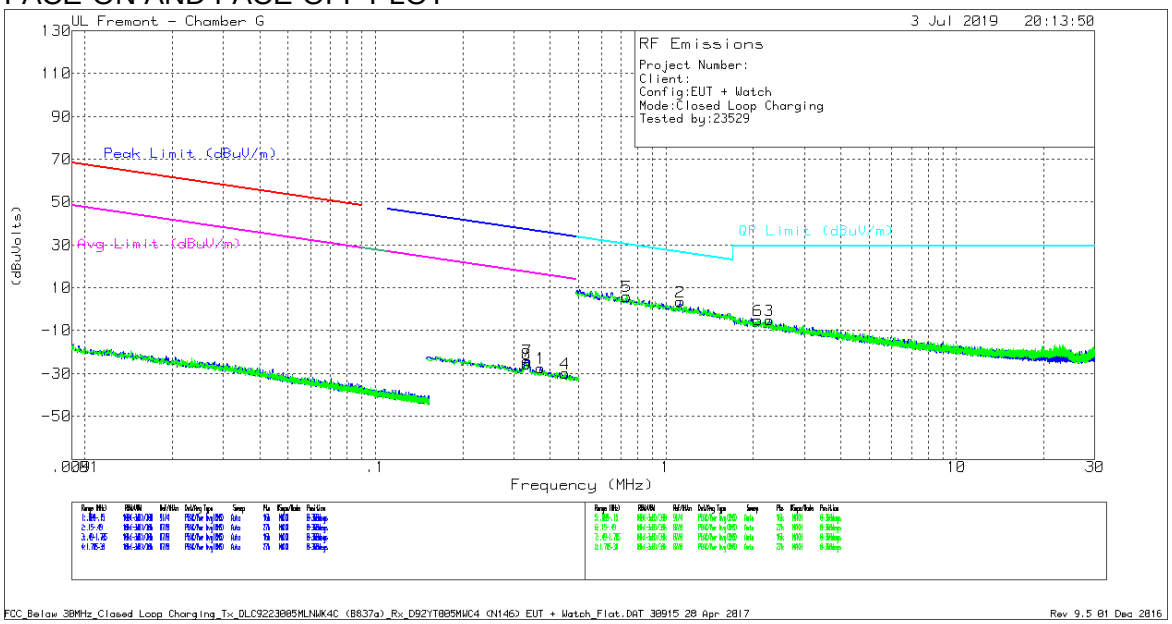
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.40559	33.09	Qp	10.9	.1	-80	-35.91	35.45	-71.36	98
4	.46153	31.93	Qp	11	.1	-80	-36.97	34.32	-71.29	228
7	.33107	45.99	Pk	10.9	.1	-80	-23.01	37.21	-60.22	0-360
8	.33515	41.54	Pk	10.9	.1	-80	-27.46	37.11	-64.57	0-360

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.73074	27.6	Qp	11	.1	-40	-1.3	30.34	-31.64	196
2	1.67579	19.41	Qp	11.3	.1	-40	-9.19	23.15	-32.34	350
6	1.93698	17.94	Qp	11.3	.2	-40	-10.56	29.5	-40.06	139
3	16.7941	2.59	Qp	10.4	.5	-40	-26.51	29.5	-56.01	279

PK -Peak
Qp - Quasi-Peak detector

OPERATING WITH WATCH

FACE-ON AND FACE-OFF PLOT



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.37344	33.69	Qp	10.9	.1	-80	-35.31	36.16	-71.47	4
4	.45018	31.92	Qp	11	.1	-80	-36.98	34.54	-71.52	315
7	.33174	43.49	Qp	10.9	.1	-80	-25.51	37.19	-62.7	57
8	.3333	44.96	Qp	10.9	.1	-80	-24.04	37.15	-61.19	333

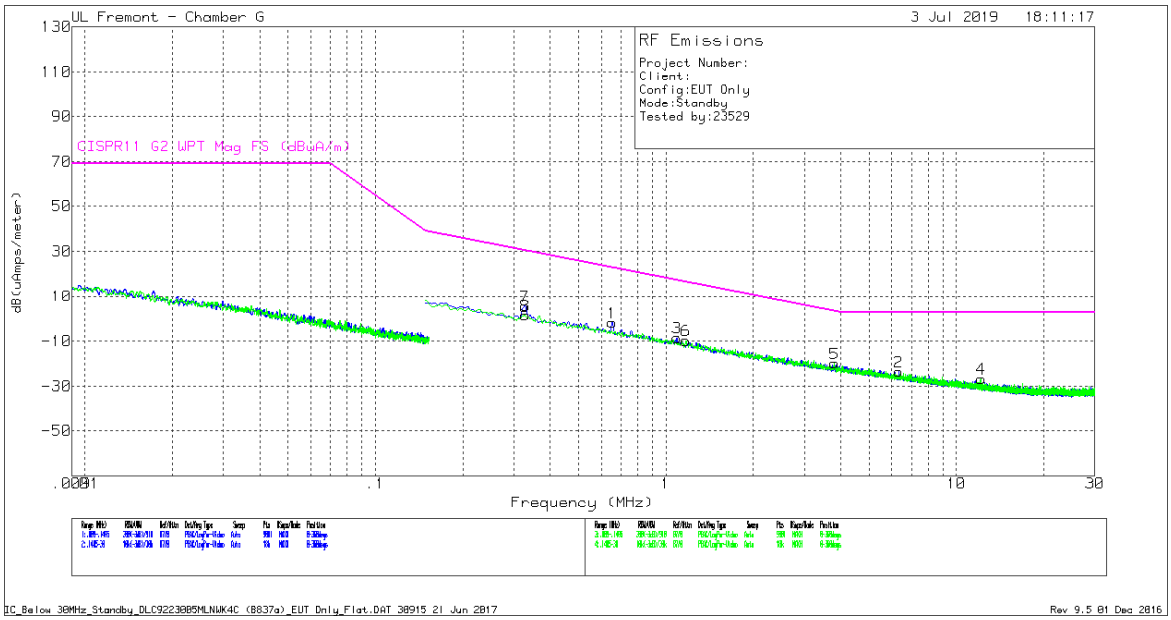
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	.7473	27.33	Qp	11	.1	-40	-1.57	30.14	-31.71	127
2	1.07475	23.74	Qp	11.3	.1	-40	-4.86	27	-31.86	185
6	2.02042	17.5	Qp	11.3	.2	-40	-11	29.5	-40.5	281
3	2.19884	16.72	Qp	11.3	.2	-40	-11.78	29.5	-41.28	172

Qp - Quasi-Peak detector

8.3.2. IC / CISPR 11 TX FUNDAMENTAL AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz

STANDBY CONFIGURATION

FACE-ON AND FACE-OFF PLOT



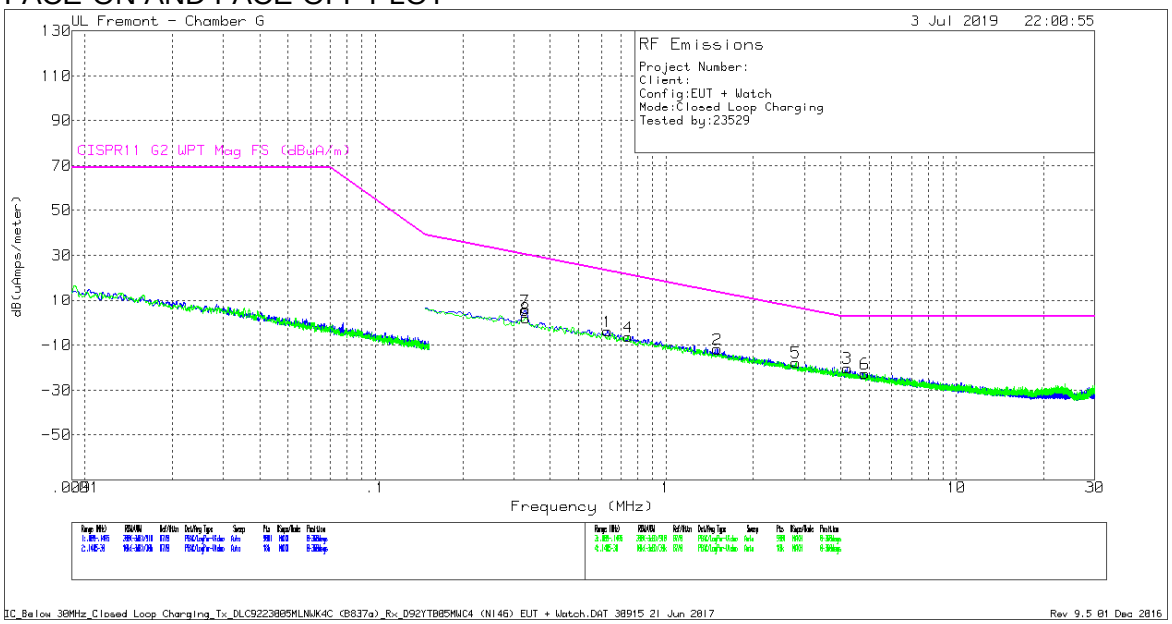
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Corrected Reading dB(uAmps/meter)	CISPR11 G2 WPT Mag FS (dBuA/m)	Margin (dB)	Azimuth (Degs)
1	.65095	31.28	Qp	-40.4	.1	-9.02	22.85	-31.87	205
3	1.09248	23.64	Qp	-40.2	.1	-16.46	17.19	-33.65	186
6	1.16179	23	Qp	-40.2	.1	-17.1	16.51	-33.61	213
5	3.80341	12.18	Qp	-40.1	.2	-27.72	3.55	-31.27	239
2	6.32162	8.33	Qp	-40.3	.3	-31.67	3	-34.67	265
4	12.1423	4.03	Qp	-40.8	.4	-36.37	3	-39.37	122
7	.32674	45.92	Qp	-40.5	.1	5.52	30.38	-24.86	302
8	.32756	41.94	Qp	-40.5	.1	1.54	30.35	-28.81	120

Qp - Quasi-Peak detector

OPERATING WITH WATCH

FACE-ON AND FACE-OFF PLOT



DATA

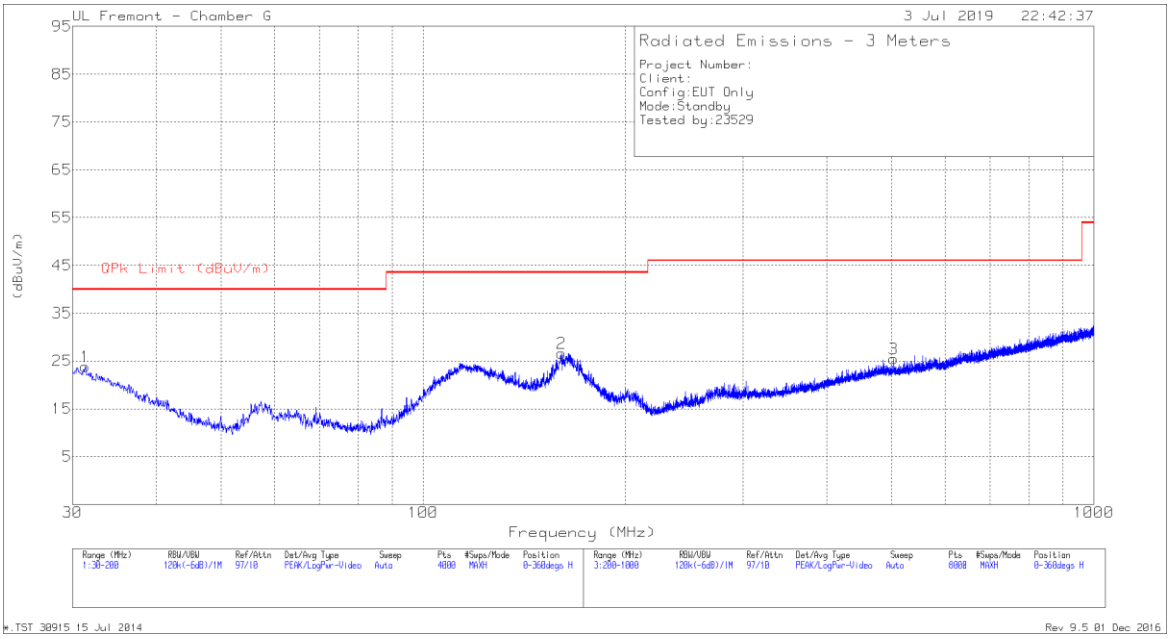
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Corrected Reading dB(uAmps/meter)	CISPR11 G2 WPT Mag FS (dBuA/m)	Margin (dB)	Azimuth (Degs)
3	.6534	31.63	Qp	-40.4	.1	-8.67	22.8	-31.47	223
7	.75449	26.7	Qp	-40.5	.1	-13.7	21.23	-34.93	88
8	1.48731	20.44	Qp	-40.2	.1	-19.66	13.81	-33.47	14
1	2.79632	14.45	Qp	-40.1	.2	-25.45	6.91	-32.36	267
4	4.30608	10.68	Qp	-40.1	.2	-29.22	3	-32.22	227
2	4.7982	10.08	Qp	-40.2	.2	-29.92	3	-32.92	91
5	.32756	45.88	Qp	-40.5	.1	5.48	30.35	-24.87	60
6	.32922	42.42	Qp	-40.5	.1	2.02	30.3	-28.28	248

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Qp - Quasi-Peak detector

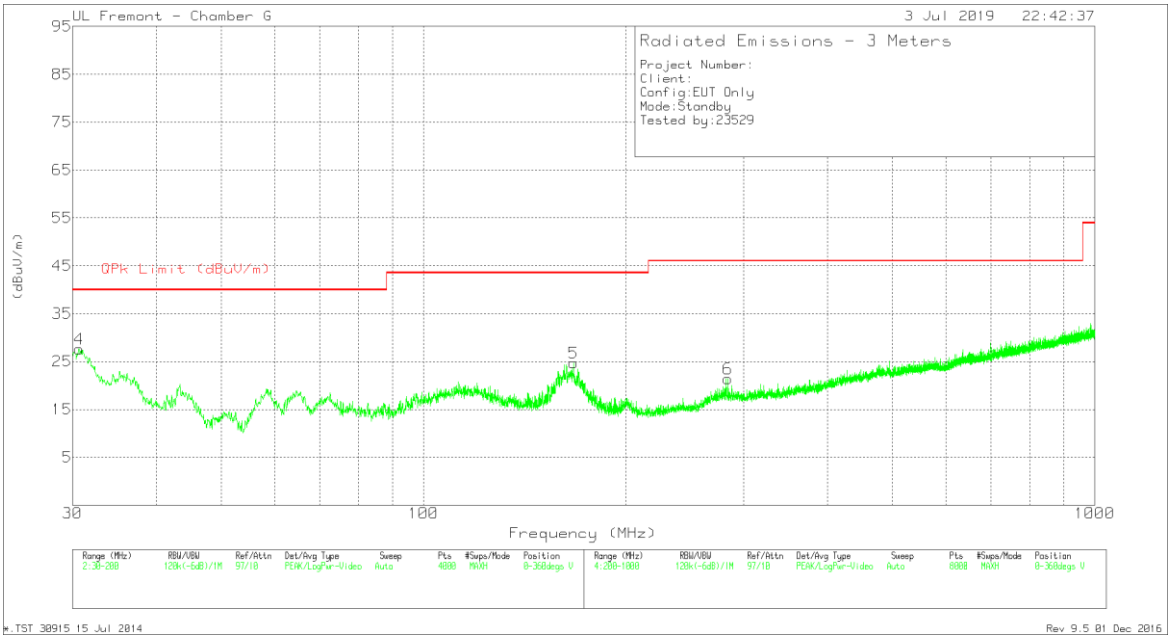
8.3.3. FCC TX SPURIOUS EMISSION 30 TO 1000 MHz

STANDBY CONFIGURATION

HORIZONTAL PLOT



VERTICAL PLOT



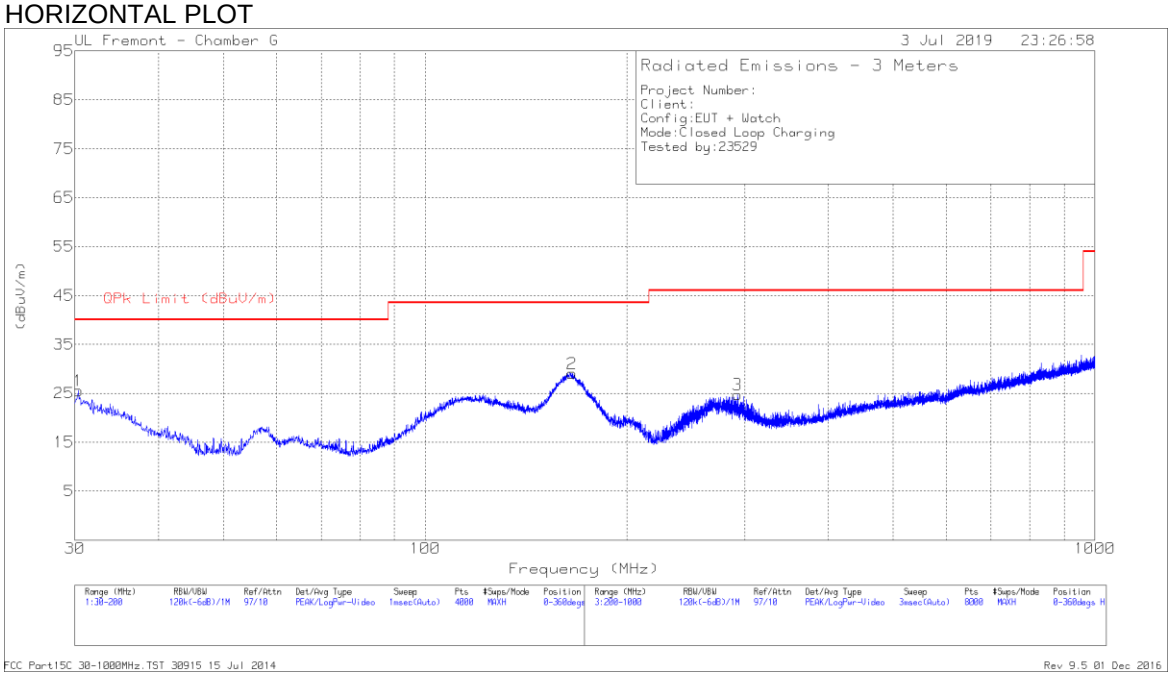
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
6	* 284.1562	23.46	Qp	19.2	-29.1	13.56	46.02	-32.46	23	151	V
4	30.8634	26.79	Qp	26.4	-31.2	21.99	40	-18.01	216	100	V
1	31.3724	22.91	Qp	26	-31.2	17.71	40	-22.29	42	131	H
2	160.849	32.64	Qp	18	-29.8	20.84	43.52	-22.68	222	185	H
5	167.269	31.32	Qp	17.8	-29.8	19.32	43.52	-24.2	144	101	V
3	502.5457	22.29	Qp	23.6	-27.9	17.99	46.02	-28.03	286	300	H

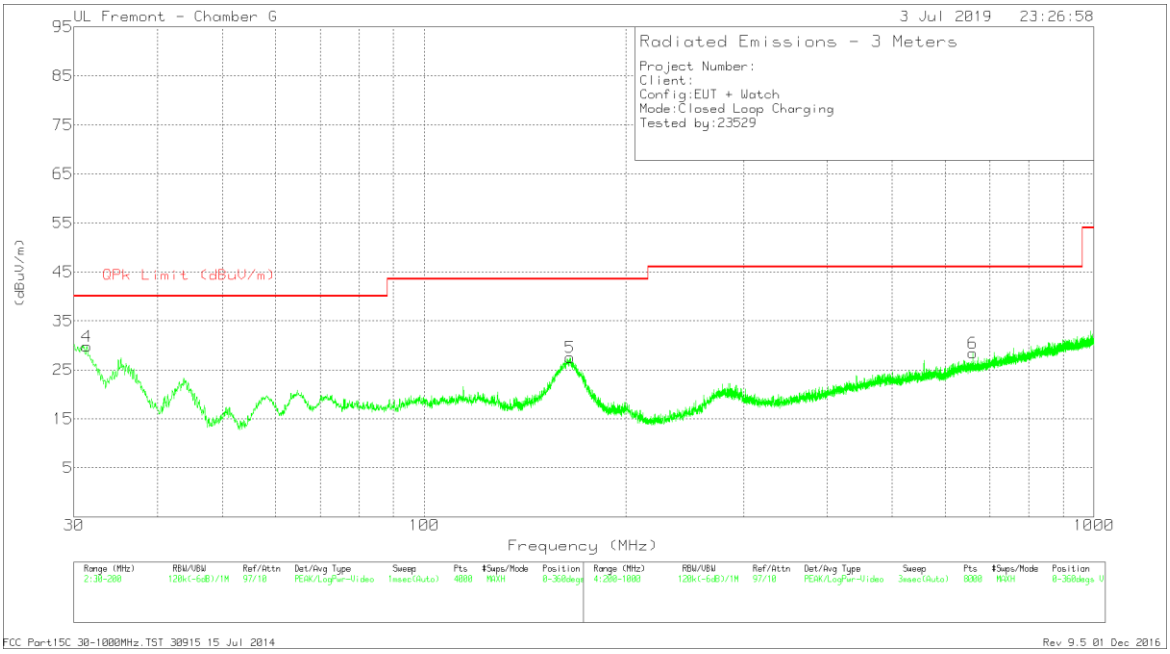
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Qp - Quasi-Peak detector

OPERATING WITH WATCH

HORIZONTAL PLOT



VERTICAL PLOT



DATA

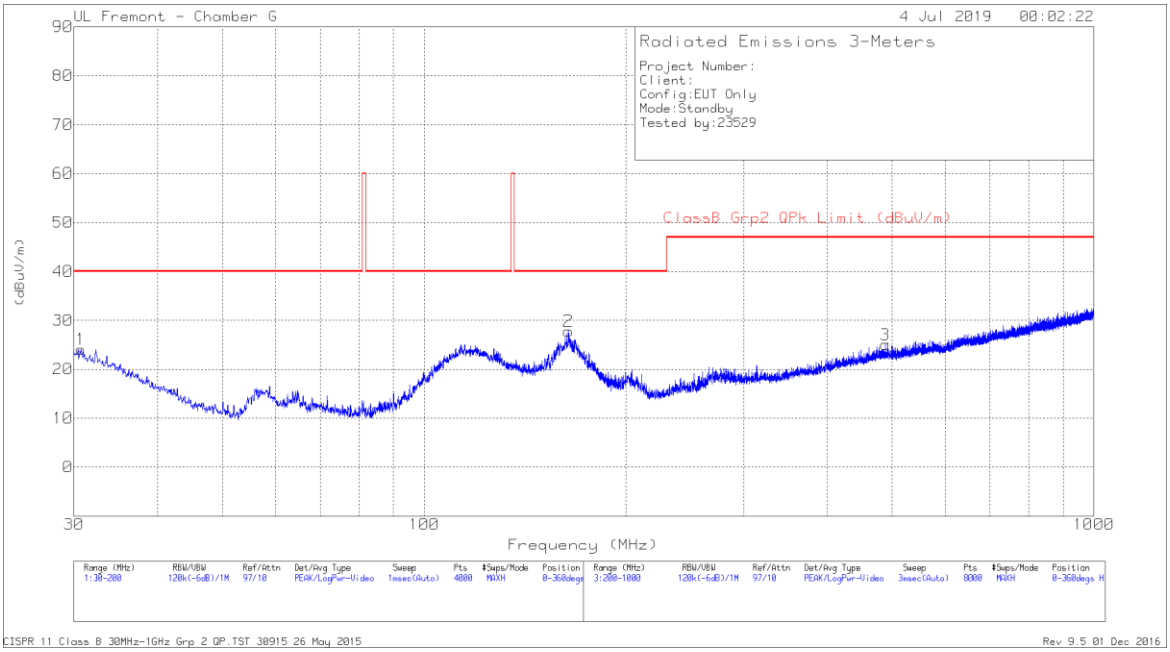
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 165.5624	37.95	Qp	17.8	-29.9	25.85	43.52	-17.67	202	195	H
5	* 165.0798	34.61	Qp	17.9	-29.9	22.61	43.52	-20.91	141	101	V
1	30.2311	22.9	Qp	26.5	-31.2	18.2	40	-21.8	143	253	H
4	31.2274	28.57	Qp	26.1	-31.2	23.47	40	-16.53	44	108	V
3	292.927	25.69	Qp	19.2	-29	15.89	46.02	-30.13	142	127	H
6	659.8784	22.37	Qp	25.6	-27.3	20.67	46.02	-25.35	140	149	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Qp - Quasi-Peak detector

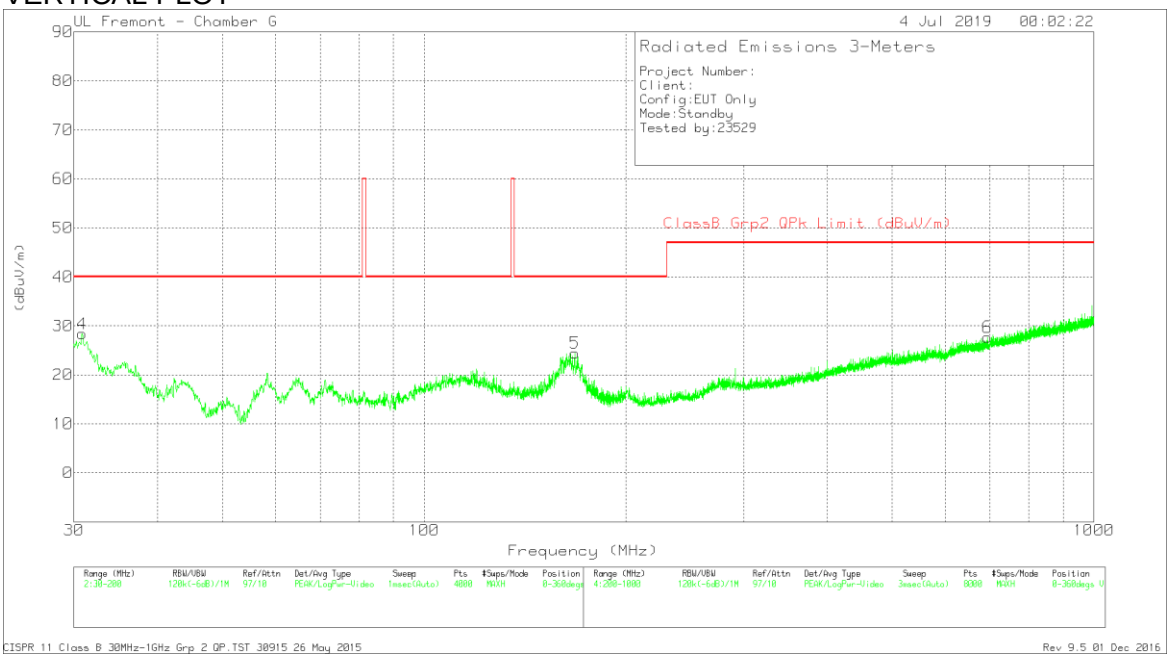
8.3.4. IC / CISPR 11 TX SPURIOUS EMISSION 30 TO 1000 MHz

STANDBY CONFIGURATION

HORIZONTAL PLOT



VERTICAL PLOT



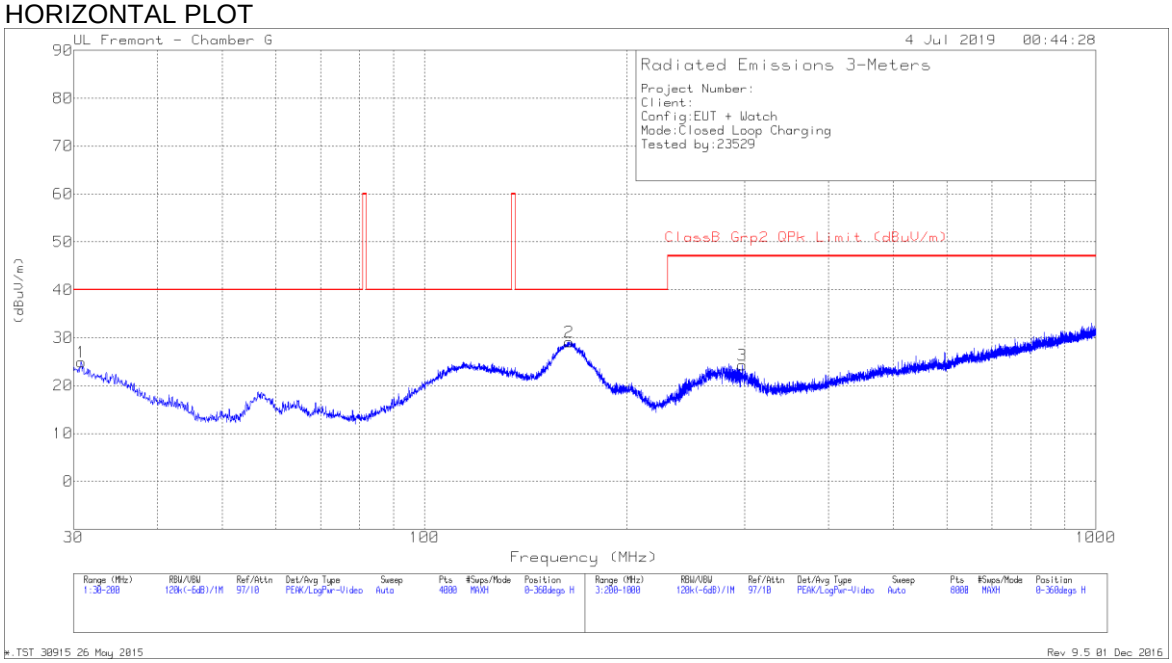
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	ClassB Grp2 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.8641	27.08	Qp	26.4	-31.2	22.28	40	-17.72	254	100	V
4	30.9538	22.95	Qp	26.4	-31.2	18.15	40	-21.85	28	217	H
2	164.4516	33.93	Qp	17.9	-29.9	21.93	40	-18.07	90	186	H
5	168.02	30.44	Qp	17.7	-29.9	18.24	40	-21.76	157	104	V
3	488.3612	22.31	Qp	23.6	-28.1	17.81	47	-29.19	52	366	H
6	693.5388	22.37	Qp	26	-27.4	20.97	47	-26.03	53	210	V

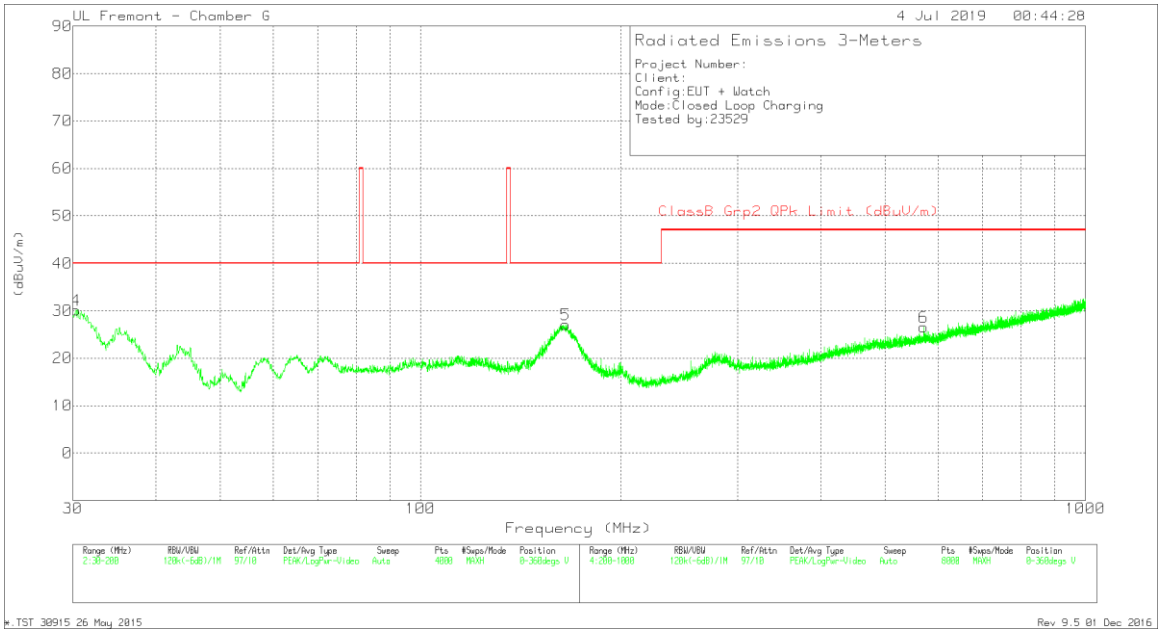
Qp - Quasi-Peak detector

OPERATING WITH WATCH

HORIZONTAL PLOT



VERTICAL PLOT



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	ClassB Grp2 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	30.4129	28.64	Qp	26.5	-31.2	23.94	40	-16.06	291	105	V
1	30.6407	23.02	Qp	26.4	-31.2	18.22	40	-21.78	202	135	H
2	164.0426	36.47	Qp	17.9	-29.9	24.47	40	-15.53	210	156	H
5	165.5072	36.1	Qp	17.8	-29.9	24	40	-16	145	100	V
3	297.1389	27.68	Qp	19.2	-28.9	17.98	47	-29.02	146	115	H
6	571.3162	22.38	Qp	24.5	-27.7	19.18	47	-27.82	114	353	V

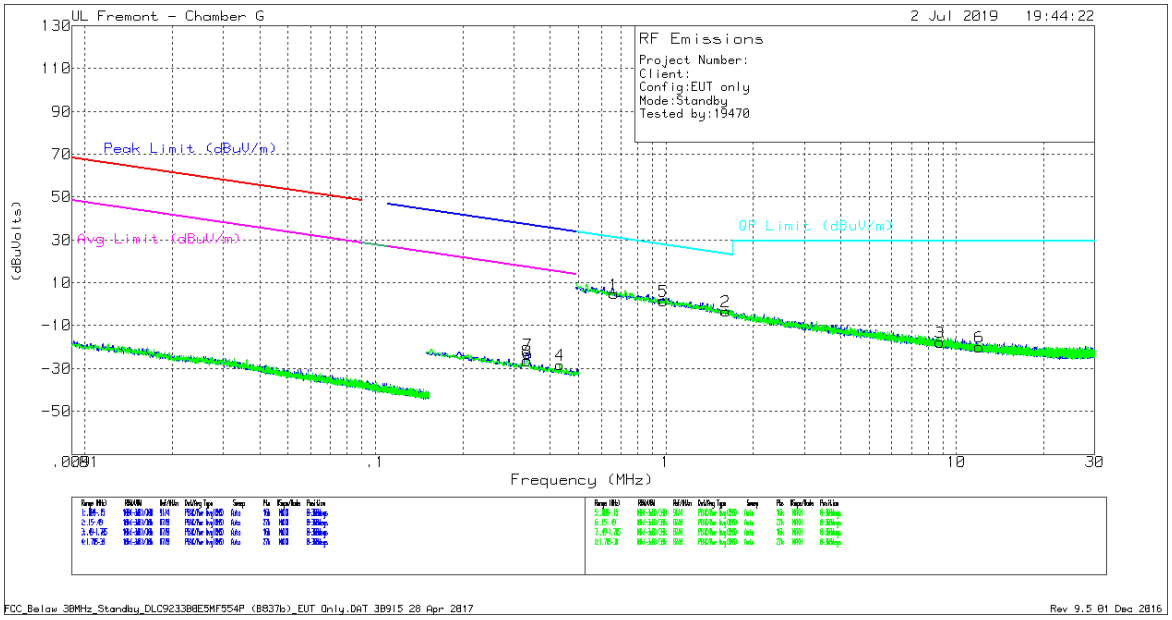
Qp - Quasi-Peak detector

8.4. STAINLESS STEEL WITH 2M CABLE

8.4.1. FCC TX FUNDAMENTAL AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz

STANDBY CONFIGURATION

FACE-ON AND FACE-OFF PLOT



DATA

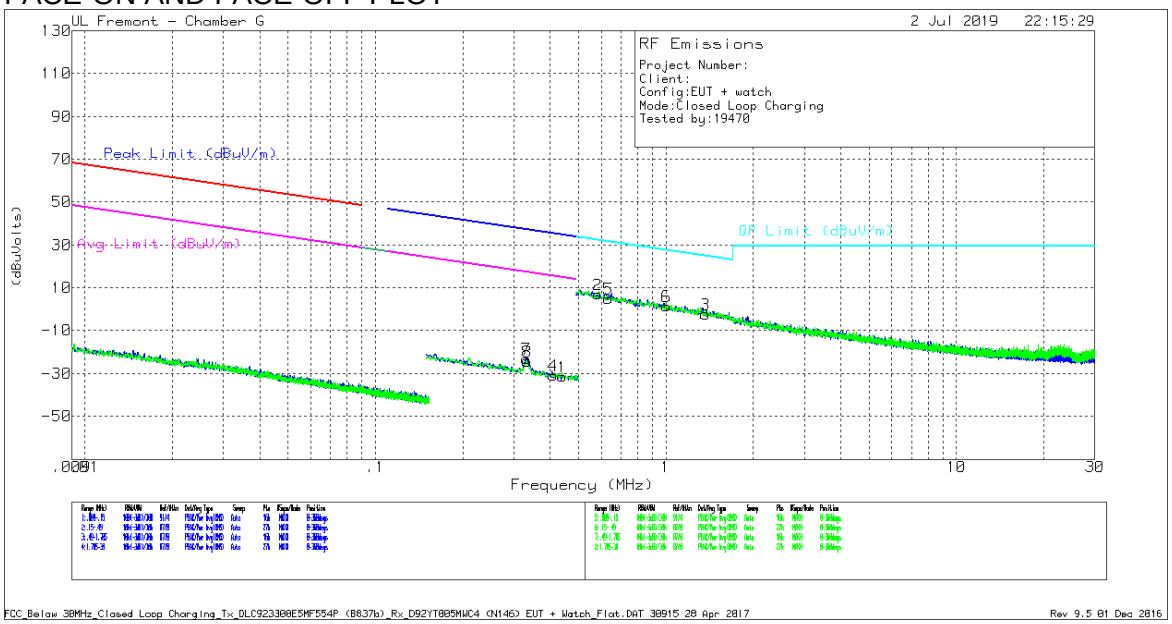
Marker	Frequency (MHz)		Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
4	.44186		32.38	Qp	11	.1	-80	-36.52	34.7	-71.22	33
8	.33485		45.68	Qp	10.9	.1	-80	-23.32	37.11	-60.43	355
7	.33485		40.54	Qp	11	.1	-80	-28.36	34.91	-63.27	78

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.6534	31.62	Qp	11	.1	-40	2.72	31.31	-28.59	351
5	.97222	24.91	Qp	11.2	.1	-40	-3.79	27.87	-31.66	160
2	1.60132	19.73	Qp	11.3	.1	-40	-8.87	23.54	-32.41	104
3	8.78911	6.06	Qp	10.7	.3	-40	-22.94	29.5	-52.44	223
6	12.0103	4.01	Qp	10.7	.4	-40	-24.89	29.5	-54.39	215

Qp - Quasi-Peak detector

OPERATING WITH WATCH

FACE-ON AND FACE-OFF PLOT



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
	.39621	33.41	Qp	10.9	.1	-80	-35.59	35.65	-71.24	188
1	.42631	32.77	Qp	11	.1	-80	-36.13	35.01	-71.14	130
7	.33143	45.86	Qp	10.9	.1	-80	-23.14	37.2	-60.34	244
8	.33284	44.65	Qp	10.9	.1	-80	-24.35	37.17	-61.52	187

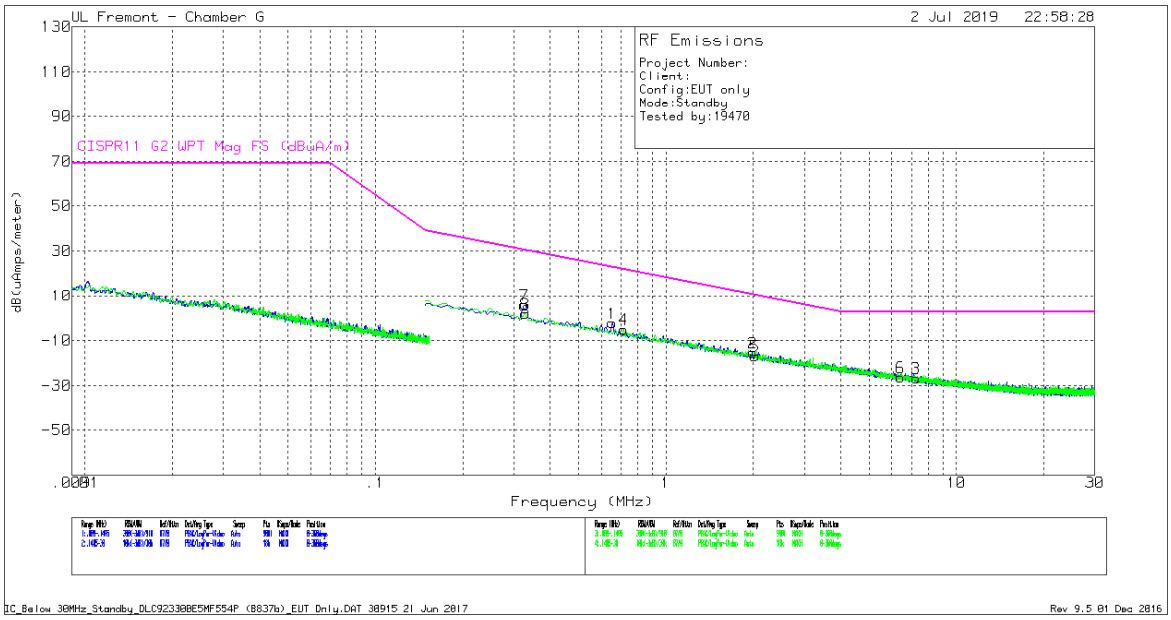
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dBm)	Cables (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
2	.57033	30.15	Qp	11	.1	-40	1.25	32.49	-31.24	7
5	.63962	28.92	Qp	11	.1	-40	.02	31.49	-31.47	276
6	1.00894	24.42	Qp	11.3	.1	-40	-4.18	27.54	-31.72	121
3	1.36343	21.34	Qp	11.3	.1	-40	-7.26	24.94	-32.2	95

Qp - Quasi-Peak detector

8.4.2. IC / CISPR 11 TX FUNDAMENTAL AND SPURIOUS EMISSIONS FROM 9 kHz TO 30 MHz

STANDBY CONFIGURATION

FACE-ON AND FACE-OFF PLOT



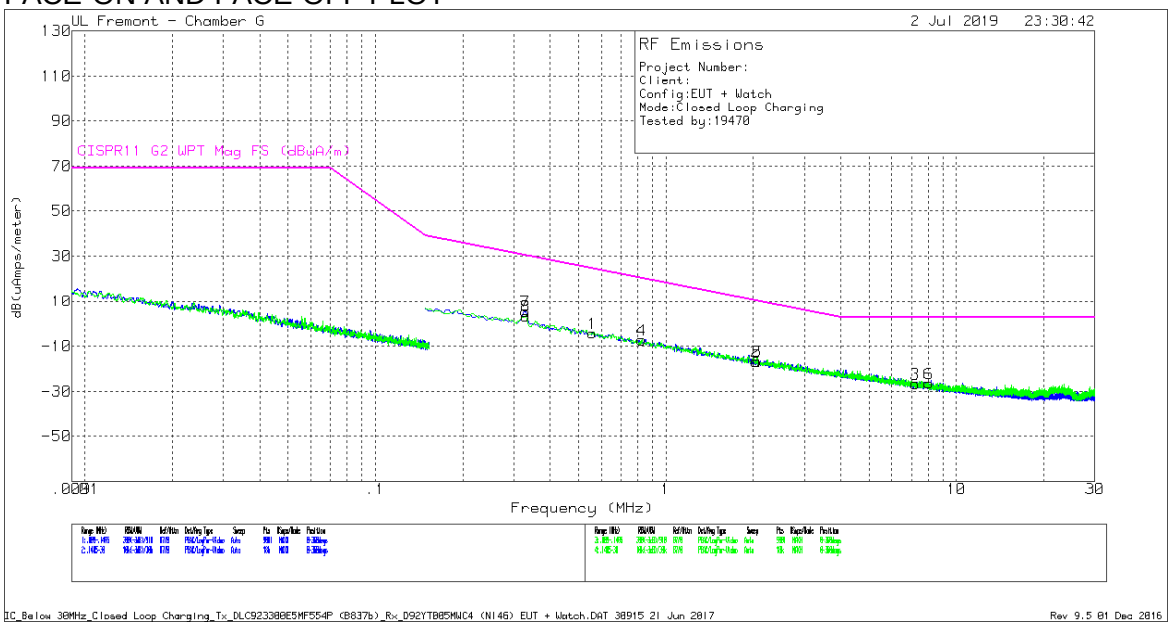
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Corrected Reading dB(uAmps/meter)	CISPR11 G2 WPT Mag FS (dBuA/m)	Margin (dB)	Azimuth (Degs)
1	.65235	32.24	Qp	-40.4	.1	-8.06	22.82	-30.88	306
4	.70559	28.05	Qp	-40.4	.1	-12.25	21.96	-34.21	316
2	1.98269	17.63	Qp	-40.2	.2	-22.37	10.67	-33.04	145
5	2.02324	17.62	Qp	-40.2	.2	-22.38	10.45	-32.83	136
6	6.43817	8.15	Qp	-40.3	.3	-31.85	3	-34.85	252
3	7.27112	7.39	Qp	-40.4	.3	-32.71	3	-35.71	115
7	.32591	46.29	Qp	-40.5	.1	5.89	30.41	-24.52	45
8	.32756	42.4	Qp	-40.5	.1	2	30.35	-28.35	157

Qp - Quasi-Peak detector

OPERATING WITH WATCH

FACE-ON AND FACE-OFF PLOT



DATA

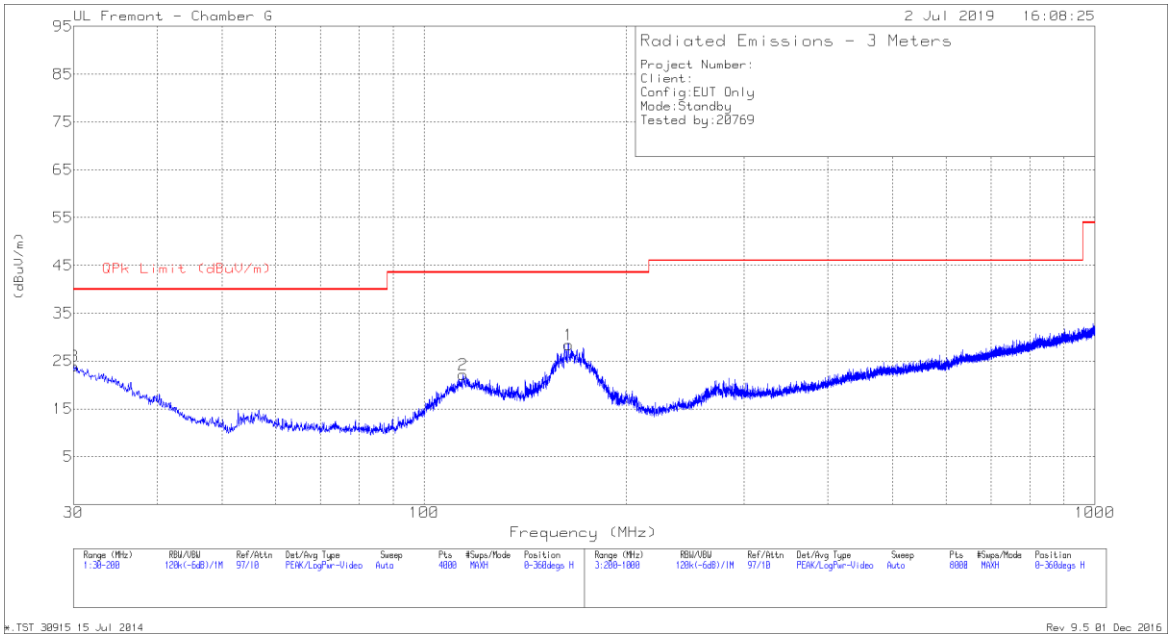
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cables (dB)	Corrected Reading dB(uAmps/meter)	CISPR11 G2 WPT Mag FS (dBuA/m)	Margin (dB)	Azimuth (Degs)
1	.55655	30.26	Qp	-40.4	.1	-10.04	24.56	-34.6	353
4	.83115	26.35	Qp	-40.5	.1	-14.05	20.17	-34.22	296
2	2.03142	17.51	Qp	-40.2	.2	-22.49	10.41	-32.9	52
5	2.0514	17.44	Qp	-40.2	.2	-22.56	10.3	-32.86	91
3	7.23597	7.38	Qp	-40.4	.3	-32.72	3	-35.72	329
6	8.04846	6.77	Qp	-40.5	.3	-33.43	3	-36.43	353
7	.32839	45.88	Qp	-40.5	.1	5.48	30.33	-24.85	80
8	.32922	43.86	Qp	-40.5	.1	3.46	30.3	-26.84	126

Qp - Quasi-Peak detector

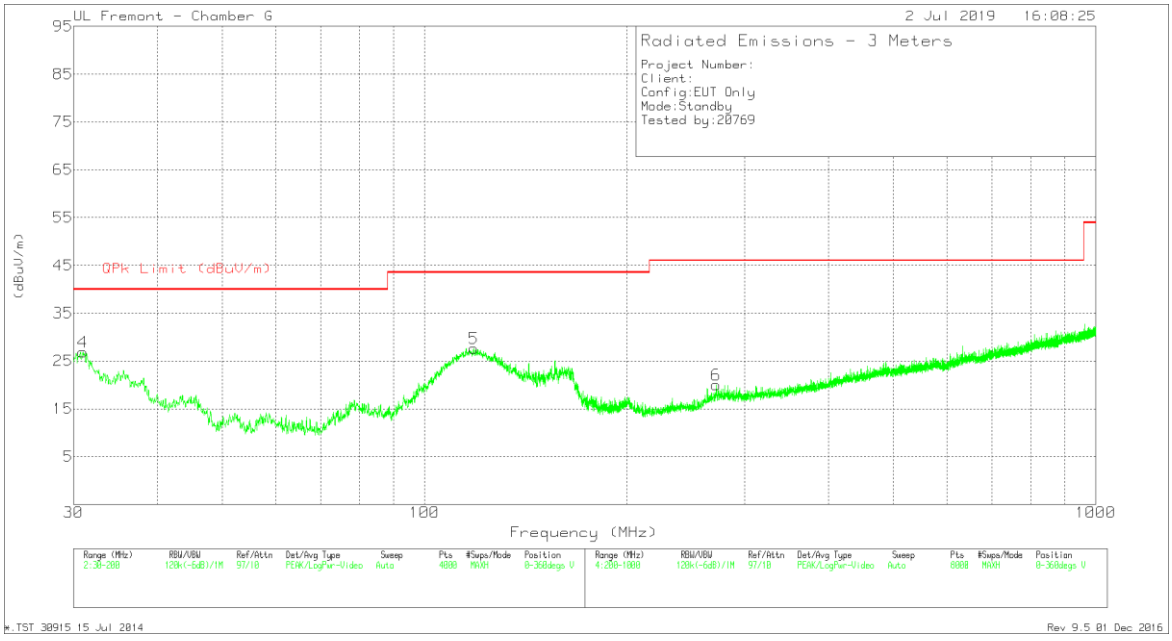
8.4.3. FCC TX SPURIOUS EMISSION 30 TO 1000 MHz

STANDBY CONFIGURATION

HORIZONTAL PLOT



VERTICAL PLOT



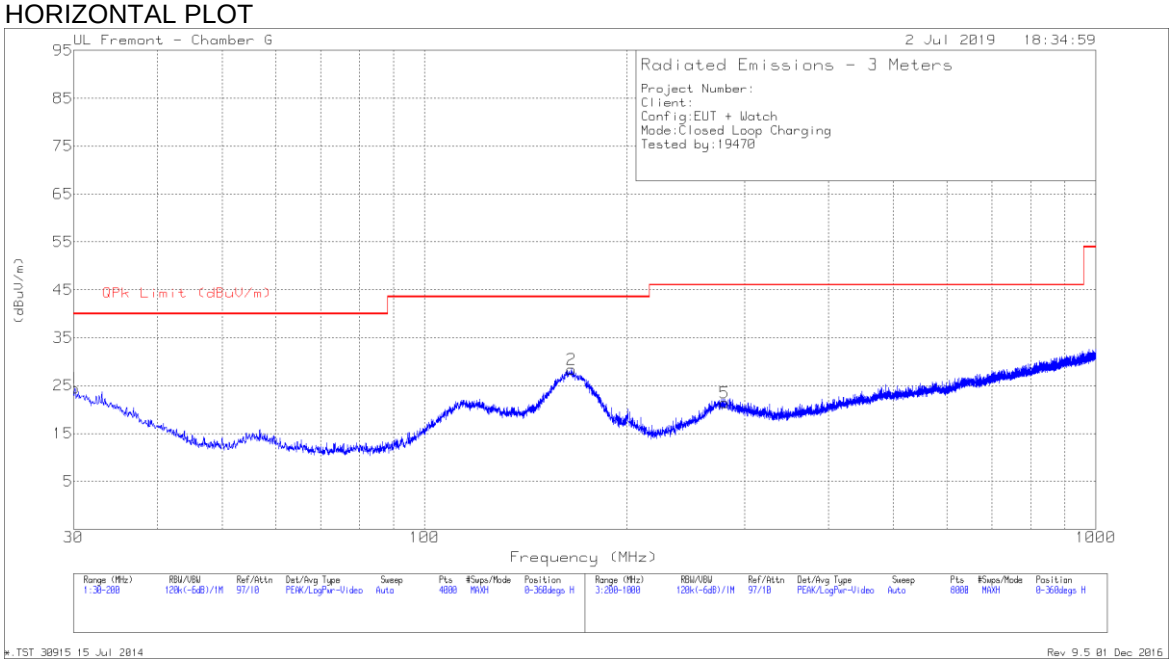
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 114.5418	28.1	Qp	19.2	-30.3	17	43.52	-26.52	228	350	H
5	* 116.0579	34	Qp	19.3	-30.3	23	43.52	-20.52	291	100	V
6	* 275.5593	23.14	Qp	19.2	-29.1	13.24	46.02	-32.78	224	132	V
3	30.0299	22.86	Qp	26.5	-31.2	18.16	40	-21.84	287	338	H
4	30.9941	25.12	Qp	26.4	-31.2	20.32	40	-19.68	198	121	V
1	167.4342	34.57	Qp	17.8	-29.8	22.57	43.52	-20.95	59	159	H

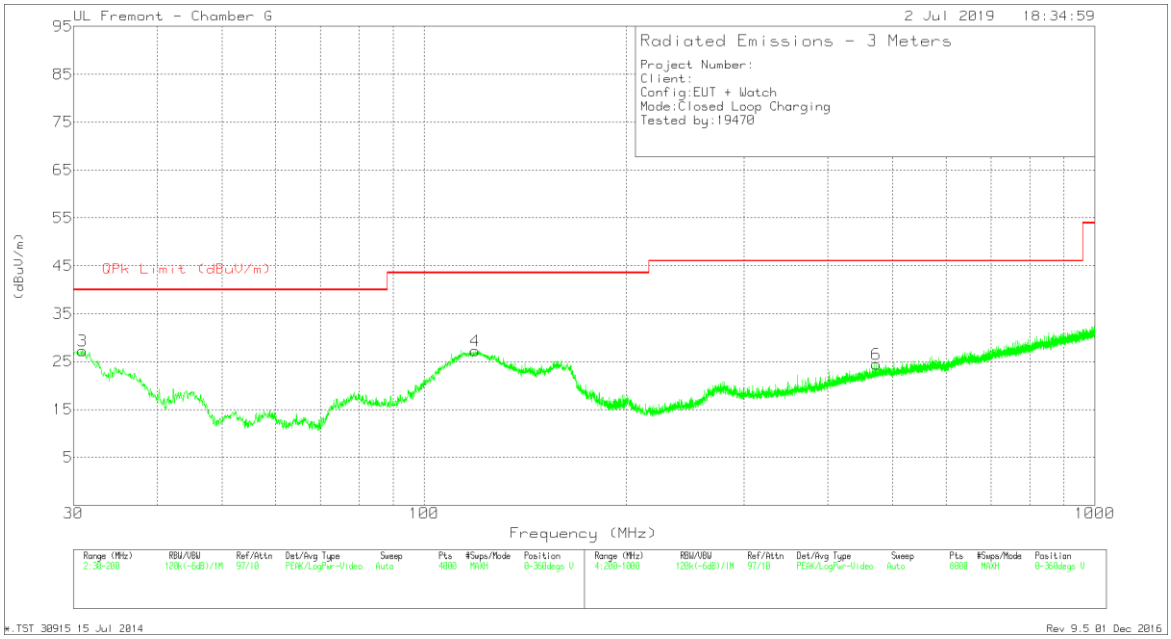
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Qp - Quasi-Peak detector

OPERATING WITH WATCH

HORIZONTAL PLOT



VERTICAL PLOT



DATA

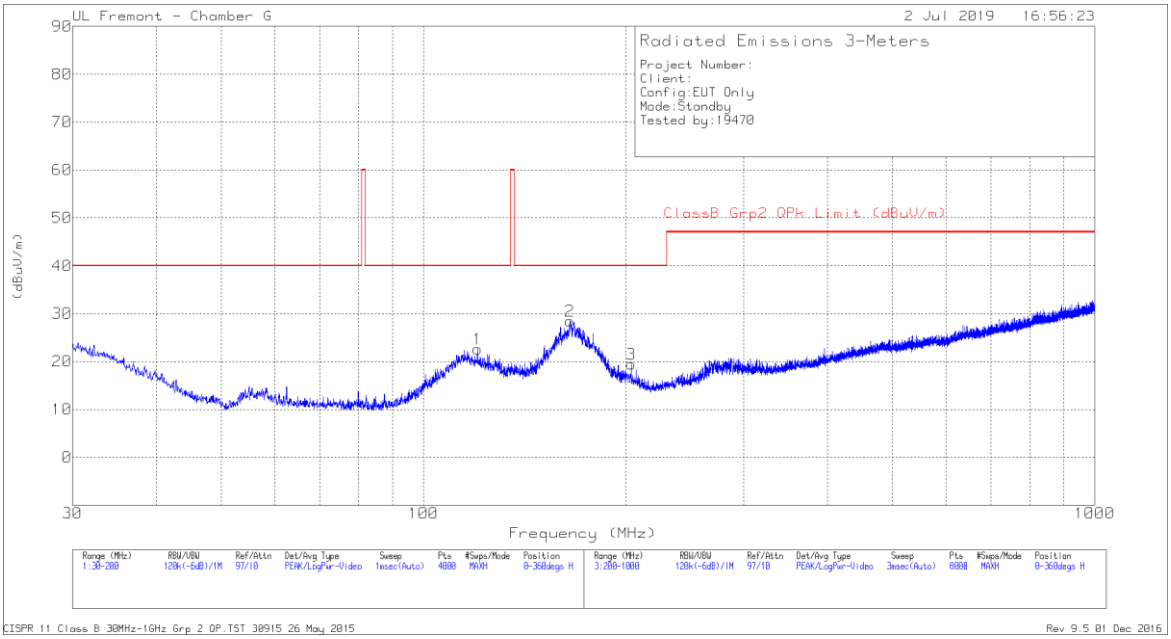
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	30.2341	23.24	Qp	26.5	-31.2	18.54	40	-21.46	9	114	H
2	* 165.6459	36.44	Qp	17.8	-29.9	24.34	43.52	-19.18	62	195	H
3	30.686	27.12	Qp	26.4	-31.2	22.32	40	-17.68	158	103	V
4	* 119.1089	34.34	Qp	19.6	-30.2	23.74	43.52	-19.78	339	100	V
5	* 280.1779	28.17	Qp	19.2	-29	18.37	46.02	-27.65	89	116	H
6	472.1223	22.2	Qp	23.3	-28.1	17.4	46.02	-28.62	238	203	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Qp - Quasi-Peak detector

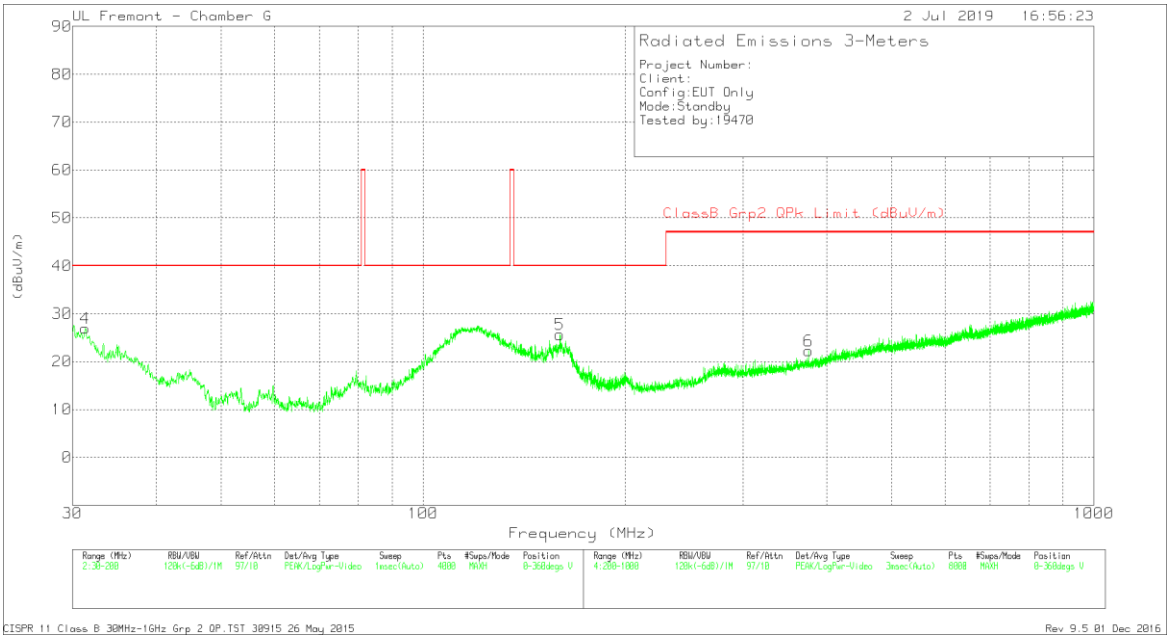
8.4.4. IC / CISPR 11 TX SPURIOUS EMISSION 30 TO 1000 MHz

STANDBY CONFIGURATION

HORIZONTAL PLOT



VERTICAL PLOT



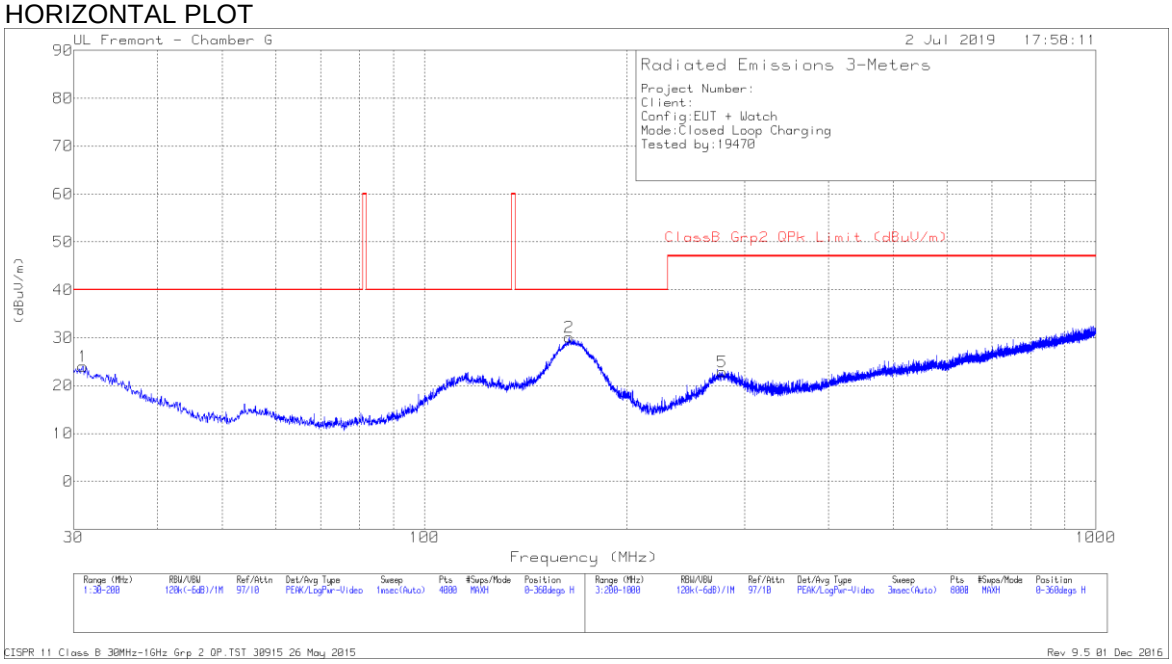
DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	ClassB Grp2 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	31.5183	25.33	Qp	25.8	-31.2	19.93	40	-20.07	262	112	V
2	119.1419	27.44	Qp	19.6	-30.2	16.84	40	-23.16	213	325	H
5	159.911	29.77	Qp	18.1	-29.9	17.97	40	-22.03	346	104	V
2	165.4499	34.92	Qp	17.9	-29.9	22.92	40	-17.08	62	204	H
3	203.8808	26.36	Qp	17.3	-29.6	14.06	40	-25.94	60	127	H
6	375.6324	22.23	Qp	20.8	-28.5	14.53	47	-32.47	211	257	V

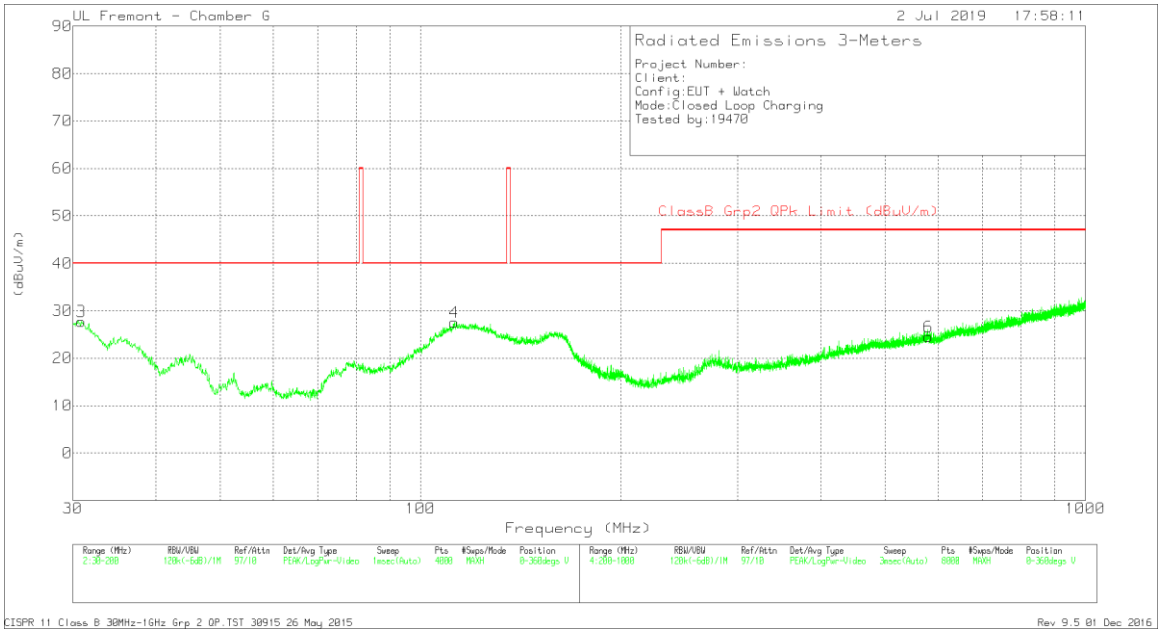
Qp - Quasi-Peak detector

OPERATING WITH WATCH

HORIZONTAL PLOT



VERTICAL PLOT



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T477 (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	ClassB Grp2 QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	30.8202	26.83	Qp	26.4	-31.2	22.03	40	-17.97	117	117	V
1	30.8895	23.69	Qp	26.4	-31.2	18.89	40	-21.11	29	217	H
4	112.363	34.29	Qp	18.9	-30.3	22.89	40	-17.11	256	103	V
2	164.3348	36.13	Qp	17.9	-29.9	24.13	40	-15.87	65	226	H
5	277.884	29.29	Qp	19.2	-29.1	19.39	47	-27.61	90	114	H
6	580.2331	22.24	Qp	24.6	-27.6	19.24	47	-27.76	48	161	V

Qp - Quasi-Peak detector

9. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

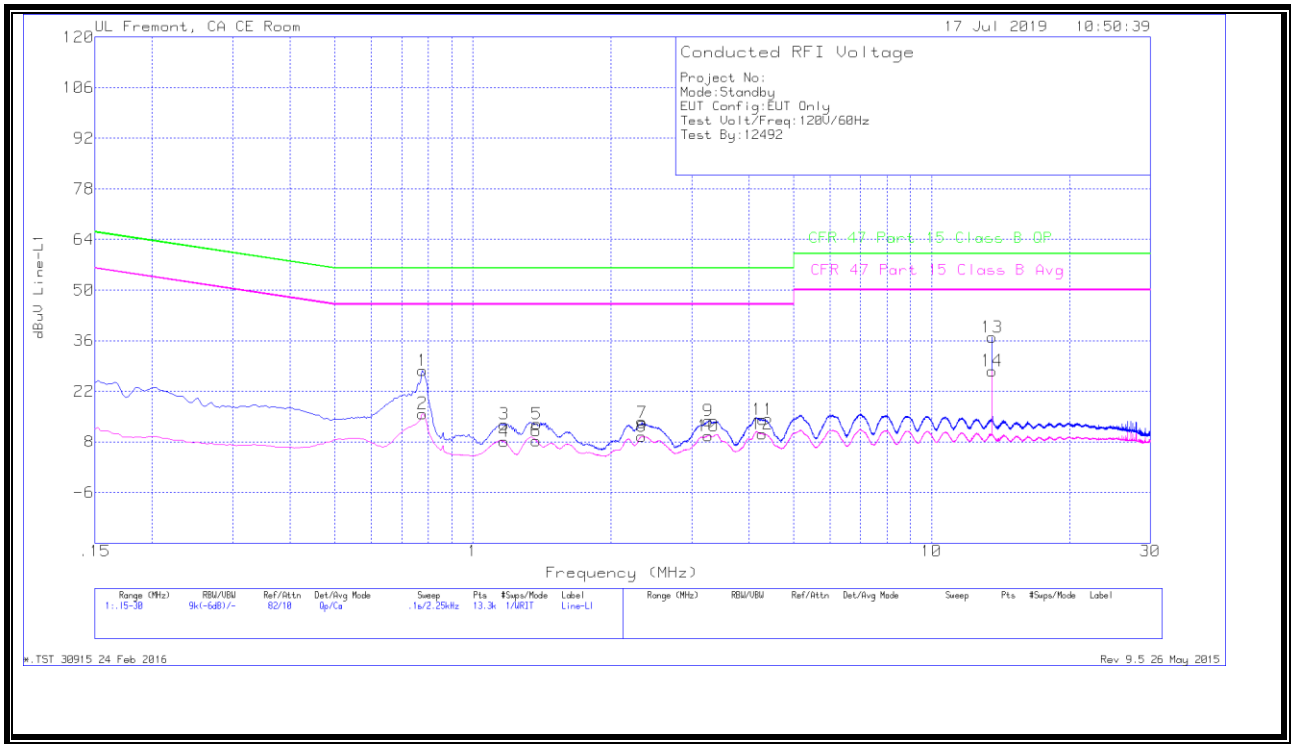
Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

9.1. STAINLESS STEEL WITH 0.3M CABLE

9.1.1. STANDBY MODE POWERED BY AC/DC ADAPTER

LINE 1 RESULTS

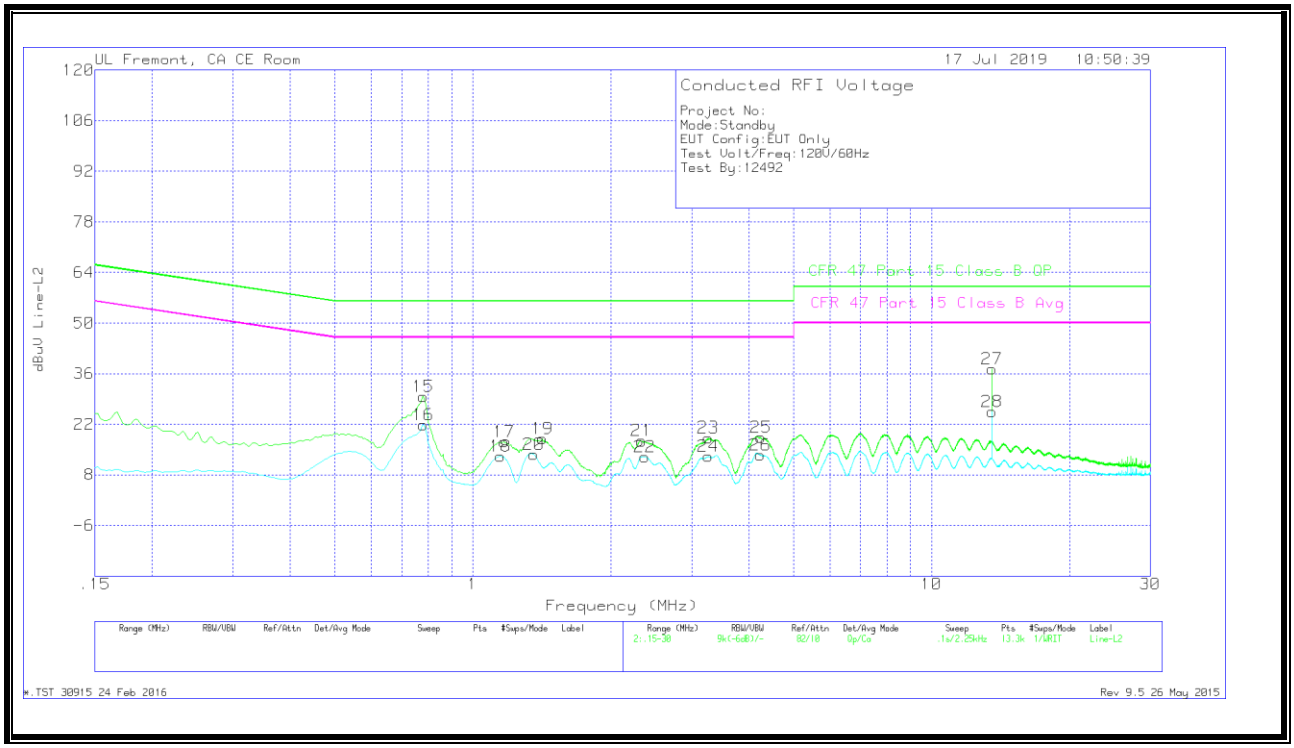


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.77775	17.57	Qp	0	0	10.1	27.67	56	-28.33	-	-
2	.77775	5.74	Ca	0	0	10.1	15.84	-	-	46	-30.16
3	1.1715	2.69	Qp	0	.1	10.1	12.89	56	-43.11	-	-
4	1.1715	-2.04	Ca	0	.1	10.1	8.16	-	-	46	-37.84
5	1.3785	2.71	Qp	0	.1	10.1	12.91	56	-43.09	-	-
6	1.37625	-1.85	Ca	0	.1	10.1	8.35	-	-	46	-37.65
7	2.33925	3.1	Qp	0	.1	10.1	13.3	56	-42.7	-	-
8	2.337	-.67	Ca	0	.1	10.1	9.53	-	-	46	-36.47
9	3.26175	3.62	Qp	0	.1	10.1	13.82	56	-42.18	-	-
10	3.26175	-.46	Ca	0	.1	10.1	9.74	-	-	46	-36.26
11	4.2945	3.99	Qp	0	.1	10.1	14.19	56	-41.81	-	-
12	4.281	-.02	Ca	0	.1	10.1	10.18	-	-	46	-35.82
*13	13.56	26.4	Qp	.1	.2	10.2	36.9	60	-23.1	-	-
*14	13.56	17.16	Ca	.1	.2	10.2	27.66	-	-	50	-22.34

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

LINE 2 RESULTS



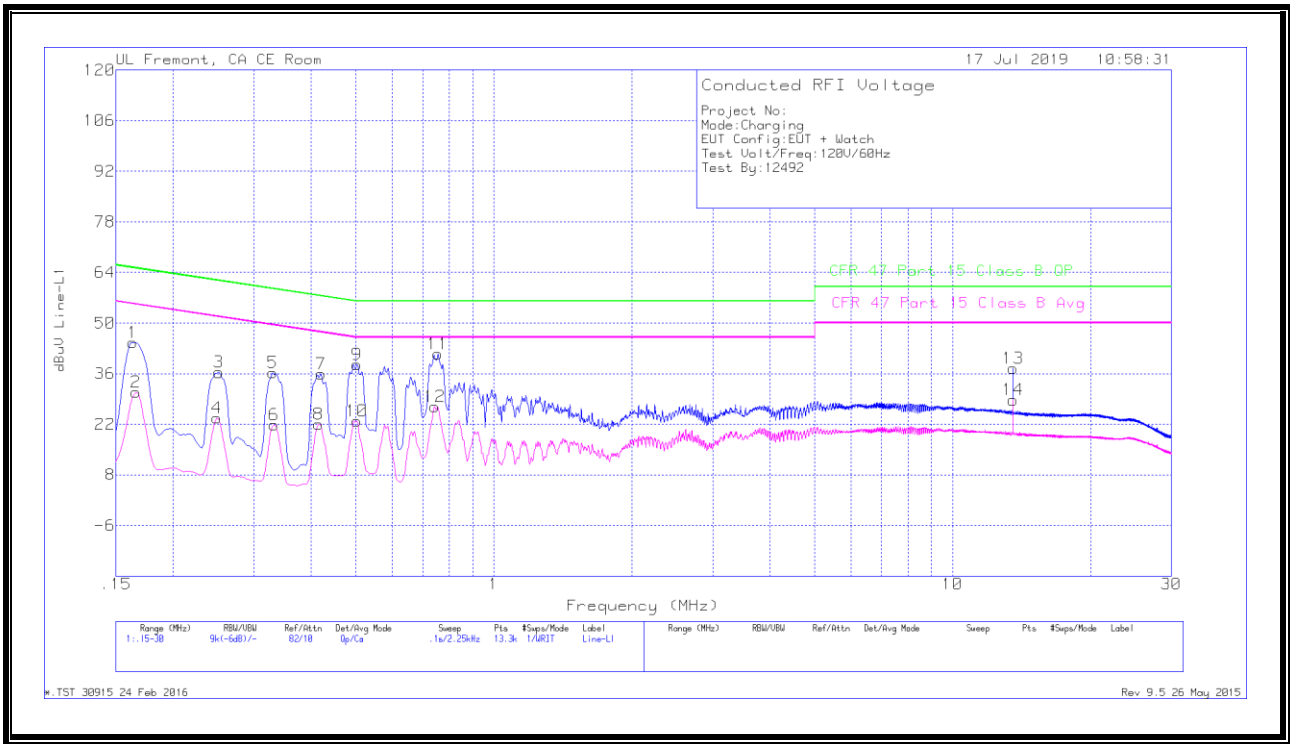
WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.78	19.58	Qp	0	0	10.1	29.68	56	-26.32	-	-
16	.78	11.78	Ca	0	0	10.1	21.88	-	-	46	-24.12
17	1.16925	6.97	Qp	0	.1	10.1	17.17	56	-38.83	-	-
18	1.149	2.94	Ca	0	.1	10.1	13.14	-	-	46	-32.86
19	1.41675	7.75	Qp	0	.1	10.1	17.95	56	-38.05	-	-
20	1.356	3.5	Ca	0	.1	10.1	13.7	-	-	46	-32.3
21	2.3325	7.21	Qp	0	.1	10.1	17.41	56	-38.59	-	-
22	2.373	2.84	Ca	0	.1	10.1	13.04	-	-	46	-32.96
23	3.264	8.07	Qp	0	.1	10.1	18.27	56	-37.73	-	-
24	3.264	2.87	Ca	0	.1	10.1	13.07	-	-	46	-32.93
25	4.245	8.11	Qp	0	.1	10.1	18.31	56	-37.69	-	-
26	4.236	3.24	Ca	0	.1	10.1	13.44	-	-	46	-32.56
*27	13.56	26.88	Qp	.1	.2	10.2	37.38	60	-22.62	-	-
*28	13.56	15.01	Ca	.1	.2	10.2	25.51	-	-	50	-24.49

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

9.1.2. OPERATING MODE WITH WATCH POWERED BY AC/DC ADAPTER

LINE 1 RESULTS

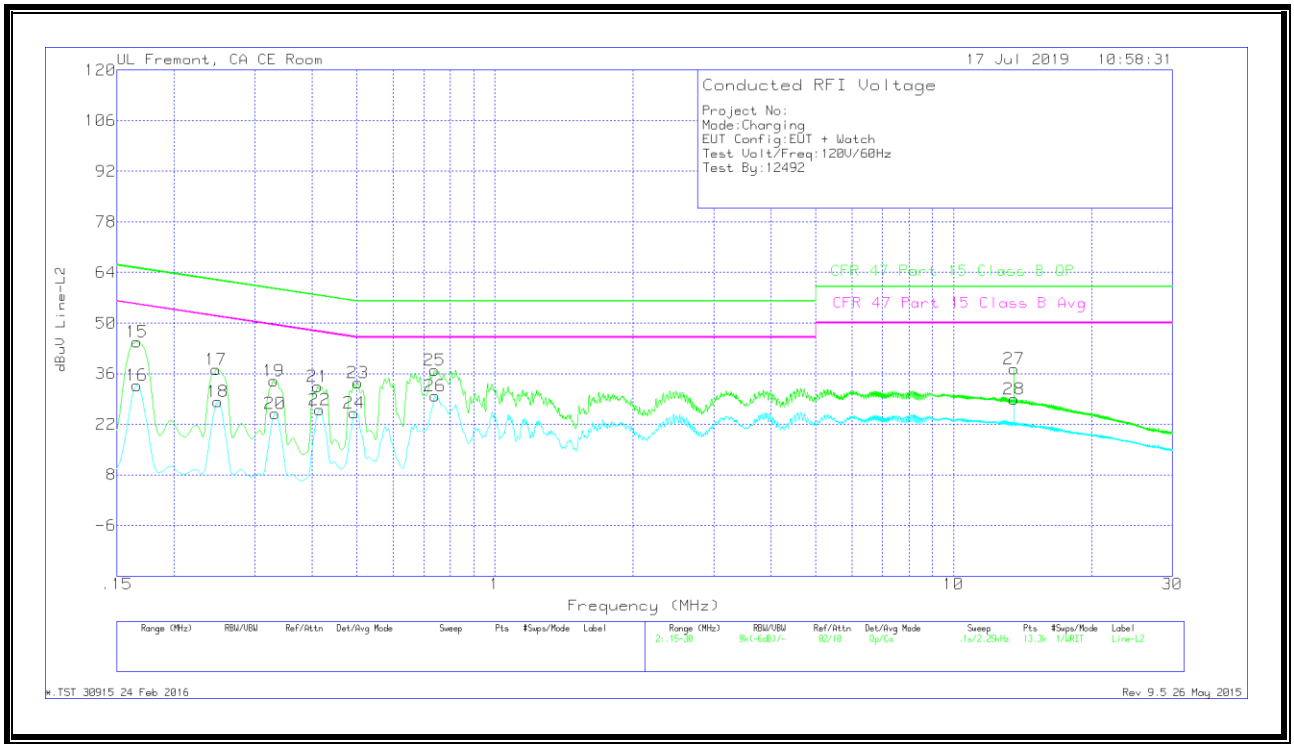


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.1635	34.47	Qp	.1	0	10.1	44.67	65.28	-20.61	-	-
2	.16575	20.73	Ca	.1	0	10.1	30.93	-	-	55.17	-24.24
3	.25125	26.26	Qp	0	0	10.1	36.36	61.72	-25.36	-	-
4	.249	13.64	Ca	0	0	10.1	23.74	-	-	51.79	-28.05
5	.33	26.09	Qp	0	0	10.1	36.19	59.45	-23.26	-	-
6	.33225	11.69	Ca	0	0	10.1	21.79	-	-	49.39	-27.6
7	.42	25.75	Qp	0	0	10.1	35.85	57.45	-21.6	-	-
8	.4155	11.91	Ca	0	0	10.1	22.01	-	-	47.54	-25.53
9	.50325	28.44	Qp	0	0	10.1	38.54	56	-17.46	-	-
10	.50325	12.76	Ca	0	0	10.1	22.86	-	-	46	-23.14
11	.75525	31.35	Qp	0	0	10.1	41.45	56	-14.55	-	-
12	.744	16.81	Ca	0	0	10.1	26.91	-	-	46	-19.09
*13	13.56	27.04	Qp	.1	.2	10.2	37.54	60	-22.46	-	-
*14	13.56	18.21	Ca	.1	.2	10.2	28.71	-	-	50	-21.29

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

LINE 2 RESULTS



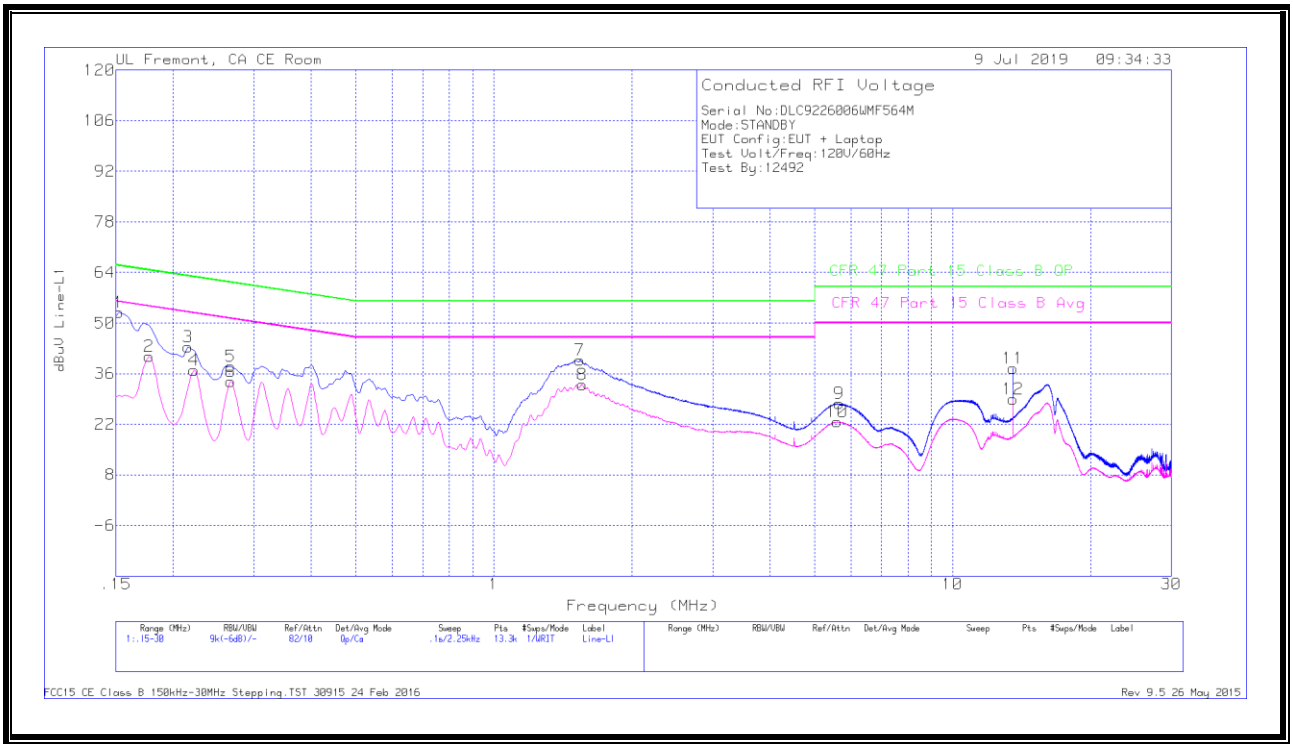
WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.16575	34.61	Qp	.1	0	10.1	44.81	65.17	-20.36	-	-
16	.16575	22.51	Ca	.1	0	10.1	32.71	-	-	55.17	-22.46
17	.24675	27.05	Qp	0	0	10.1	37.15	61.87	-24.72	-	-
18	.249	18.14	Ca	0	0	10.1	28.24	-	-	51.79	-23.55
19	.33	23.87	Qp	0	0	10.1	33.97	59.45	-25.48	-	-
20	.33225	14.86	Ca	0	0	10.1	24.96	-	-	49.39	-24.43
21	.411	22.28	Qp	0	0	10.1	32.38	57.63	-25.25	-	-
22	.4155	15.91	Ca	0	0	10.1	26.01	-	-	47.54	-21.53
23	.50325	23.4	Qp	0	0	10.1	33.5	56	-22.5	-	-
24	.49425	15.04	Ca	0	0	10.1	25.14	-	-	46.1	-20.96
25	.7395	26.89	Qp	0	0	10.1	36.99	56	-19.01	-	-
26	.74175	19.67	Ca	0	0	10.1	29.77	-	-	46	-16.23
*27	13.56	26.75	Qp	.1	.2	10.2	37.25	60	-22.75	-	-
*28	13.56	18.46	Ca	.1	.2	10.2	28.96	-	-	50	-21.04

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

9.1.3. STANDBY MODE POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS



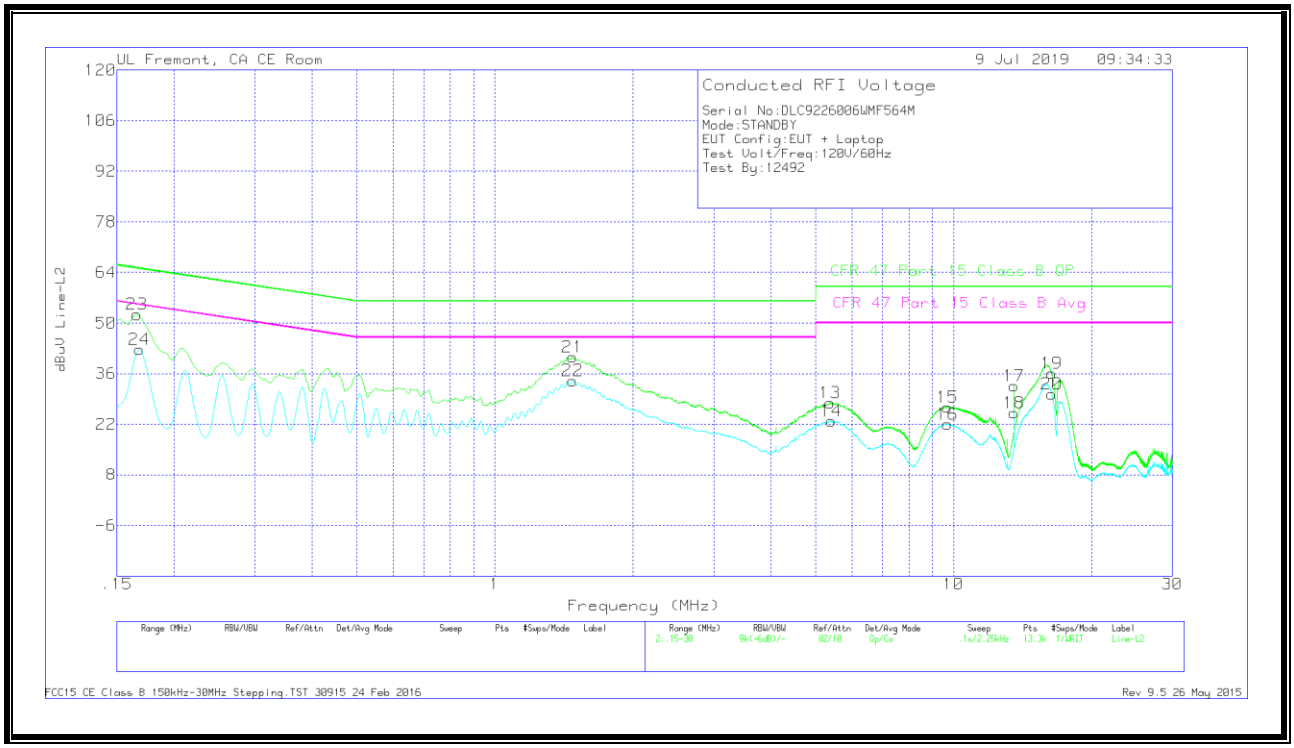
WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.15225	42.76	Qp	.1	0	10.1	52.96	65.88	-12.92	-	-
2	.177	30.63	Ca	0	0	10.1	40.73	-	-	54.63	-13.9
3	.21525	33.22	Qp	0	0	10.1	43.32	63	-19.68	-	-
4	.222	26.83	Ca	0	0	10.1	36.93	-	-	52.74	-15.81
5	.267	27.95	Qp	0	0	10.1	38.05	61.21	-23.16	-	-
6	.267	23.81	Ca	0	0	10.1	33.91	-	-	51.21	-17.3
7	1.5405	29.55	Qp	0	.1	10.1	39.75	56	-16.25	-	-
8	1.5585	22.77	Ca	0	.1	10.1	32.97	-	-	46	-13.03
9	5.65125	17.36	Qp	0	.2	10.2	27.76	60	-32.24	-	-
10	5.60963	12.26	Ca	0	.2	10.2	22.66	-	-	50	-27.34
*11	13.56	26.93	Qp	.1	.2	10.2	37.43	60	-22.57	-	-
*12	13.56	18.5	Ca	.1	.2	10.2	29	-	-	50	-21

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device.

LINE 2 RESULTS



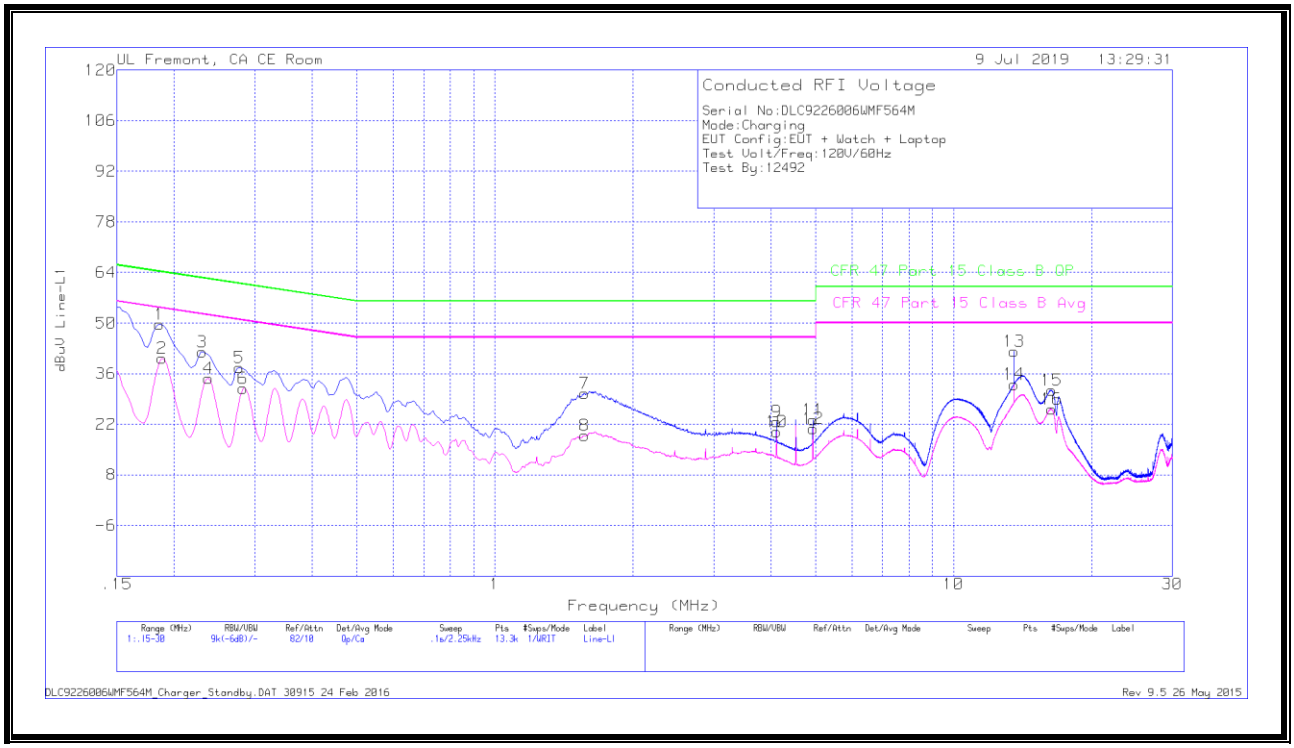
WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
13	5.38125	17.76	Qp	0	.1	10.1	27.96	60	-32.04	-	-
14	5.40825	12.67	Ca	0	.1	10.1	22.87	-	-	50	-27.13
15	9.69	16.34	Qp	0	.2	10.2	26.74	60	-33.26	-	-
16	9.69225	11.63	Ca	0	.2	10.2	22.03	-	-	50	-27.97
17	13.56	22.14	Qp	.1	.2	10.2	32.64	60	-27.36	-	-
18	13.56	14.64	Ca	.1	.2	10.2	25.14	-	-	50	-24.86
19	16.3635	25.34	Qp	.1	.3	10.3	36.04	60	-23.96	-	-
20	16.36463	19.73	Ca	.1	.3	10.3	30.43	-	-	50	-19.57
21	1.4775	30.4	Qp	0	.1	10.1	40.6	56	-15.4	-	-
22	1.47975	23.89	Ca	0	.1	10.1	34.09	-	-	46	-11.91
*23	.16575	42.15	Qp	.1	0	10.1	52.35	65.17	-12.82	-	-
*24	.168	32.52	Ca	.1	0	10.1	42.72	-	-	55.06	-12.34

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device.

9.1.4. OPERATING MODE WITH WATCH POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS

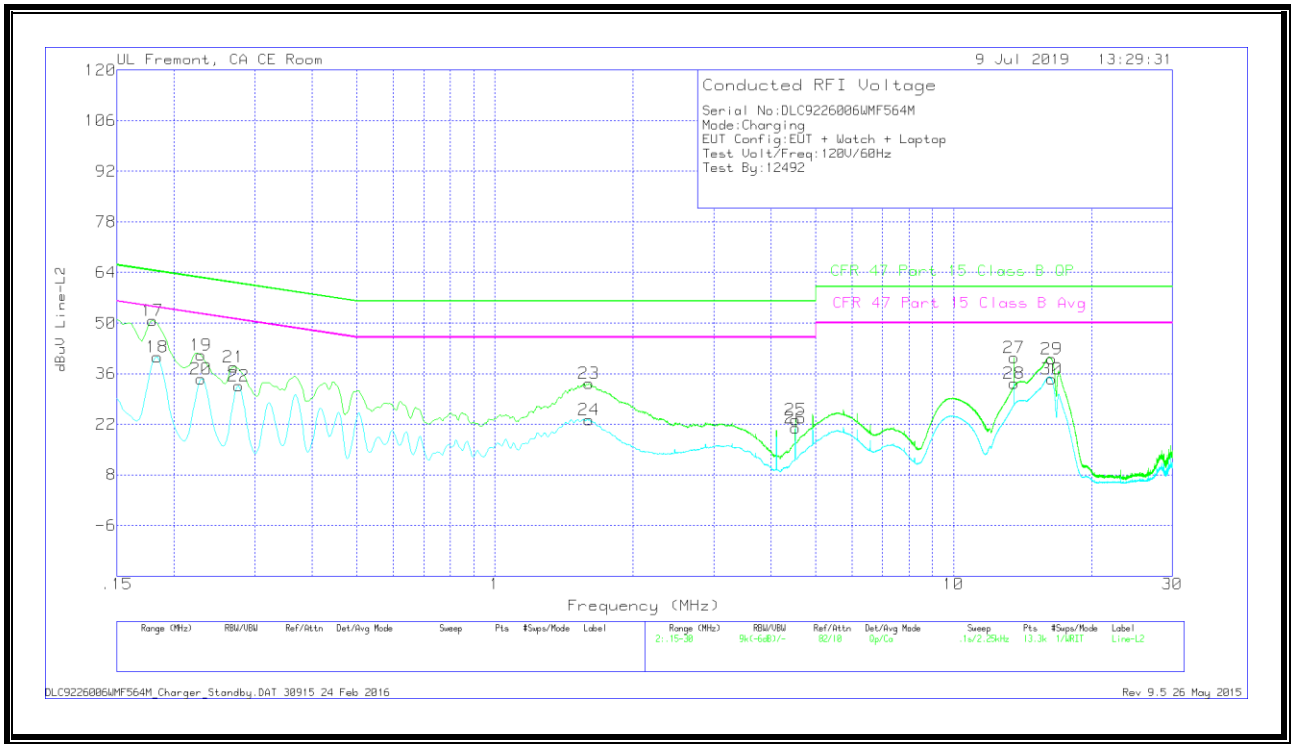


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.186	39.49	Qp	0	0	10.1	49.59	64.21	-14.62	-	-
2	.18825	30.11	Ca	0	0	10.1	40.21	-	-	54.11	-13.9
3	.22988	31.9	Qp	0	0	10.1	42	62.45	-20.45	-	-
4	.23775	24.53	Ca	0	0	10.1	34.63	-	-	52.17	-17.54
5	.27713	27.58	Qp	0	0	10.1	37.68	60.9	-23.22	-	-
6	.28275	21.85	Ca	0	0	10.1	31.95	-	-	50.73	-18.78
7	1.56975	20.33	Qp	0	.1	10.1	30.53	56	-25.47	-	-
8	1.56975	8.63	Ca	0	.1	10.1	18.83	-	-	46	-27.17
9	4.1145	12.51	Qp	0	.1	10.1	22.71	56	-33.29	-	-
10	4.1145	9.69	Ca	0	.1	10.1	19.89	-	-	46	-26.11
11	4.938	13.04	Qp	0	.1	10.1	23.24	56	-32.76	-	-
12	4.938	10.65	Ca	0	.1	10.1	20.85	-	-	46	-25.15
*13	13.56	31.6	Qp	.1	.2	10.2	42.1	60	-17.9	-	-
*14	13.56	22.55	Ca	.1	.2	10.2	33.05	-	-	50	-16.95
15	16.35	20.73	Qp	.1	.3	10.3	31.43	60	-28.57	-	-
16	16.35	15.55	Ca	.1	.3	10.3	26.25	-	-	50	-23.75

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device.

LINE 2 RESULTS



WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz

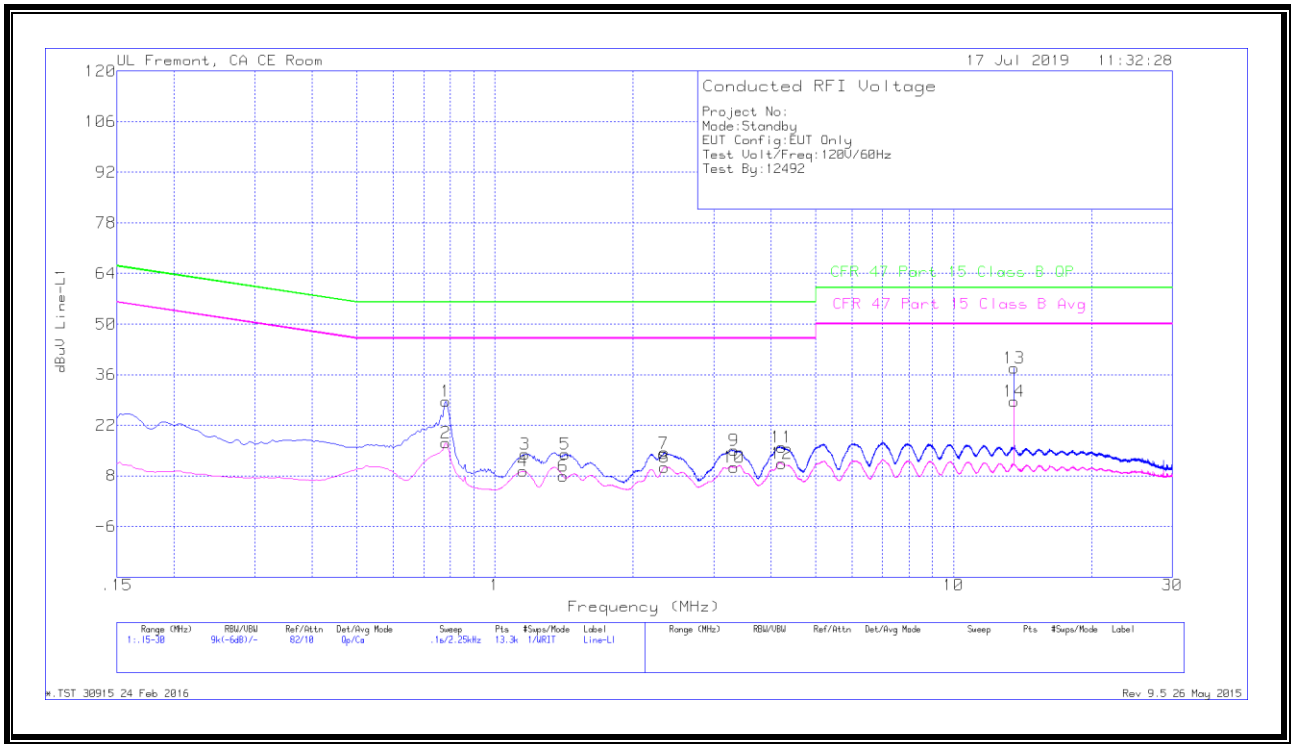
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
17	.17925	40.61	Qp	0	0	10.1	50.71	64.52	-13.81	-	-
18	.18375	30.46	Ca	0	0	10.1	40.56	-	-	54.31	-13.75
19	.22875	31.09	Qp	0	0	10.1	41.19	62.49	-21.3	-	-
20	.22875	24.48	Ca	0	0	10.1	34.58	-	-	52.49	-17.91
21	.26925	27.77	Qp	0	0	10.1	37.87	61.14	-23.27	-	-
22	.276	22.53	Ca	0	0	10.1	32.63	-	-	50.94	-18.31
23	1.60575	23.13	Qp	0	.1	10.1	33.33	56	-22.67	-	-
24	1.60463	13.04	Ca	0	.1	10.1	23.24	-	-	46	-22.76
25	4.52175	13.06	Qp	0	.1	10.1	23.26	56	-32.74	-	-
26	4.52175	10.71	Ca	0	.1	10.1	20.91	-	-	46	-25.09
*27	13.56	30.01	Qp	.1	.2	10.2	40.51	60	-19.49	-	-
*28	13.56	22.86	Ca	.1	.2	10.2	33.36	-	-	50	-16.64
29	16.3523	29.33	Qp	.1	.3	10.3	40.03	60	-19.97	-	-
30	16.3523	23.77	Ca	.1	.3	10.3	34.47	-	-	50	-15.53

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device.

9.2. STAINLESS STEEL WITH 1M CABLE

9.2.1. STANDBY MODE POWERED BY AC/DC ADAPTER

LINE 1 RESULTS

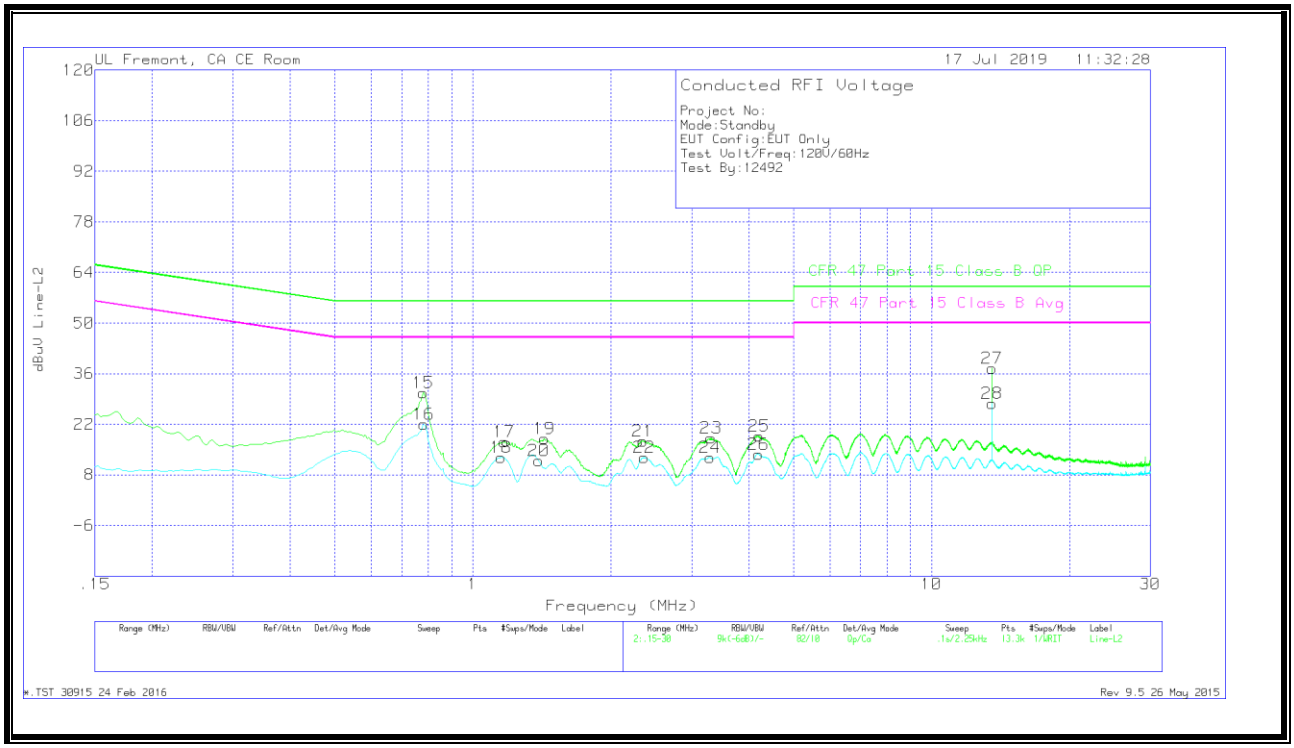


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.78225	18.49	Qp	0	0	10.1	28.59	56	-27.41	-	-
2	.78225	7.01	Ca	0	0	10.1	17.11	-	-	46	-28.89
3	1.1625	3.79	Qp	0	.1	10.1	13.99	56	-42.01	-	-
4	1.1535	-.92	Ca	0	.1	10.1	9.28	-	-	46	-36.72
5	1.4235	3.84	Qp	0	.1	10.1	14.04	56	-41.96	-	-
6	1.40775	-2.24	Ca	0	.1	10.1	7.96	-	-	46	-38.04
7	2.337	4.04	Qp	0	.1	10.1	14.24	56	-41.76	-	-
8	2.33925	.16	Ca	0	.1	10.1	10.36	-	-	46	-35.64
9	3.327	4.82	Qp	0	.1	10.1	15.02	56	-40.98	-	-
10	3.32475	.15	Ca	0	.1	10.1	10.35	-	-	46	-35.65
11	4.22475	5.77	Qp	0	.1	10.1	15.97	56	-40.03	-	-
12	4.22025	1.26	Ca	0	.1	10.1	11.46	-	-	46	-34.54
*13	13.56	27.27	Qp	.1	.2	10.2	37.77	60	-22.23	-	-
*14	13.56	18.05	Ca	.1	.2	10.2	28.55	-	-	50	-21.45

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

LINE 2 RESULTS



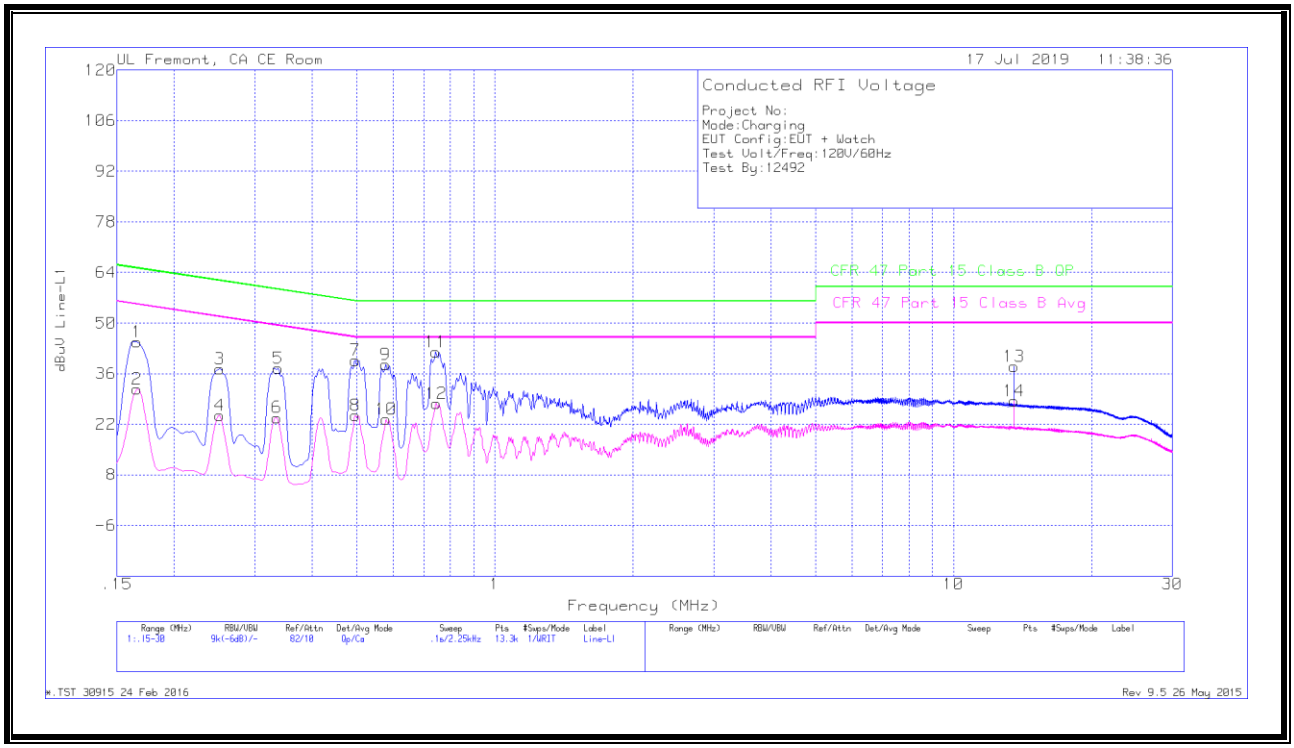
WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.78	20.64	Qp	0	0	10.1	30.74	56	-25.26	-	-
16	.78225	11.89	Ca	0	0	10.1	21.99	-	-	46	-24.01
17	1.16925	7.01	Qp	0	.1	10.1	17.21	56	-38.79	-	-
18	1.1535	2.66	Ca	0	.1	10.1	12.86	-	-	46	-33.14
19	1.43138	7.78	Qp	0	.1	10.1	17.98	56	-38.02	-	-
20	1.392	1.73	Ca	0	.1	10.1	11.93	-	-	46	-34.07
21	2.346	7.14	Qp	0	.1	10.1	17.34	56	-38.66	-	-
22	2.36625	2.58	Ca	0	.1	10.1	12.78	-	-	46	-33.22
23	3.30675	8.05	Qp	0	.1	10.1	18.25	56	-37.75	-	-
24	3.28763	2.6	Ca	0	.1	10.1	12.8	-	-	46	-33.2
25	4.20675	8.53	Qp	0	.1	10.1	18.73	56	-37.27	-	-
26	4.19775	3.49	Ca	0	.1	10.1	13.69	-	-	46	-32.31
*27	13.56	27.02	Qp	.1	.2	10.2	37.52	60	-22.48	-	-
*28	13.56	17.2	Ca	.1	.2	10.2	27.7	-	-	50	-22.3

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

9.2.2. OPERATING MODE WITH WATCH POWERED BY AC/DC ADAPTER

LINE 1 RESULTS

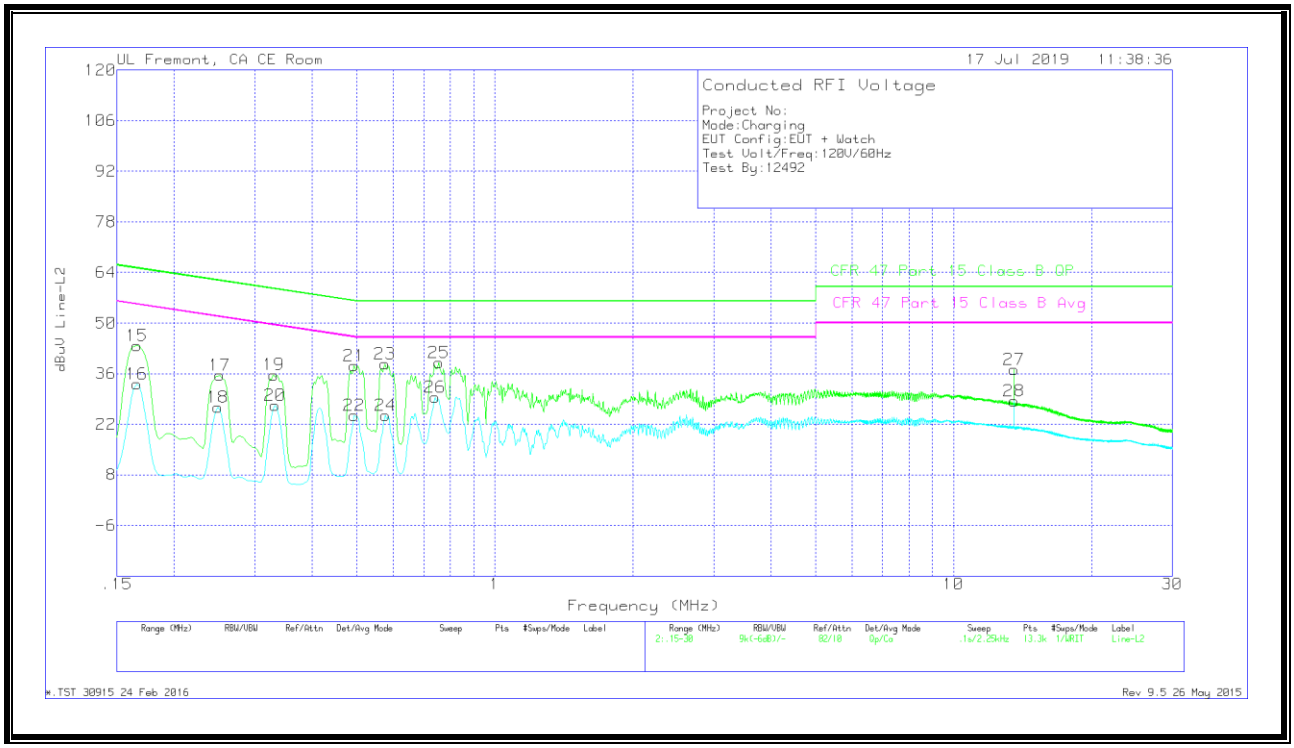


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.16575	34.64	Qp	.1	0	10.1	44.84	65.17	-20.33	-	-
2	.16575	21.47	Ca	.1	0	10.1	31.67	-	-	55.17	-23.5
3	.25125	27.28	Qp	0	0	10.1	37.38	61.72	-24.34	-	-
4	.25125	14.33	Ca	0	0	10.1	24.43	-	-	51.72	-27.29
5	.33675	27.4	Qp	0	0	10.1	37.5	59.28	-21.78	-	-
6	.3345	13.74	Ca	0	0	10.1	23.84	-	-	49.34	-25.5
7	.4965	29.56	Qp	0	0	10.1	39.66	56.06	-16.4	-	-
8	.4965	14.34	Ca	0	0	10.1	24.44	-	-	46.06	-21.62
9	.5775	28.45	Qp	0	0	10.1	38.55	56	-17.45	-	-
10	.57975	13.24	Ca	0	0	10.1	23.34	-	-	46	-22.66
11	.744	31.86	Qp	0	0	10.1	41.96	56	-14.04	-	-
12	.74625	17.65	Ca	0	0	10.1	27.75	-	-	46	-18.25
*13	13.56	27.55	Qp	.1	.2	10.2	38.05	60	-21.95	-	-
*14	13.56	17.96	Ca	.1	.2	10.2	28.46	-	-	50	-21.54

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

LINE 2 RESULTS



WORST EMISSIONS

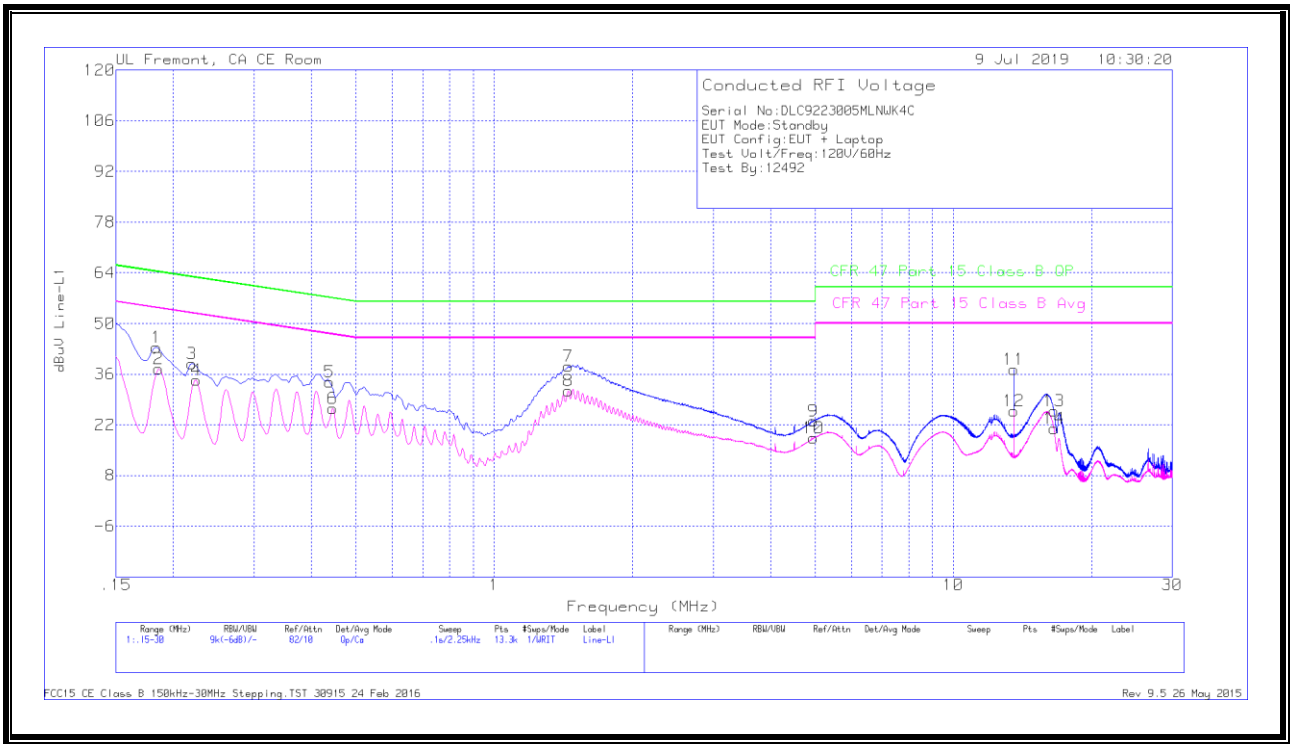
Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.16575	33.52	Qp	.1	0	10.1	43.72	65.17	-21.45	-	-
16	.16575	22.94	Ca	.1	0	10.1	33.14	-	-	55.17	-22.03
17	.25125	25.52	Qp	0	0	10.1	35.62	61.72	-26.1	-	-
18	.249	16.58	Ca	0	0	10.1	26.68	-	-	51.79	-25.11
19	.33	25.56	Qp	0	0	10.1	35.66	59.45	-23.79	-	-
20	.33225	17.06	Ca	0	0	10.1	27.16	-	-	49.39	-22.23
21	.49425	28.01	Qp	0	0	10.1	38.11	56.1	-17.99	-	-
22	.49425	14.35	Ca	0	0	10.1	24.45	-	-	46.1	-21.65
23	.57525	28.63	Qp	0	0	10.1	38.73	56	-17.27	-	-
24	.5775	14.32	Ca	0	0	10.1	24.42	-	-	46	-21.58
25	.75525	28.89	Qp	0	0	10.1	38.99	56	-17.01	-	-
26	.74175	19.33	Ca	0	0	10.1	29.43	-	-	46	-16.57
*27	13.56	26.66	Qp	.1	.2	10.2	37.16	60	-22.84	-	-
*28	13.56	17.89	Ca	.1	.2	10.2	28.39	-	-	50	-21.61

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

9.2.3. STANDBY MODE POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS



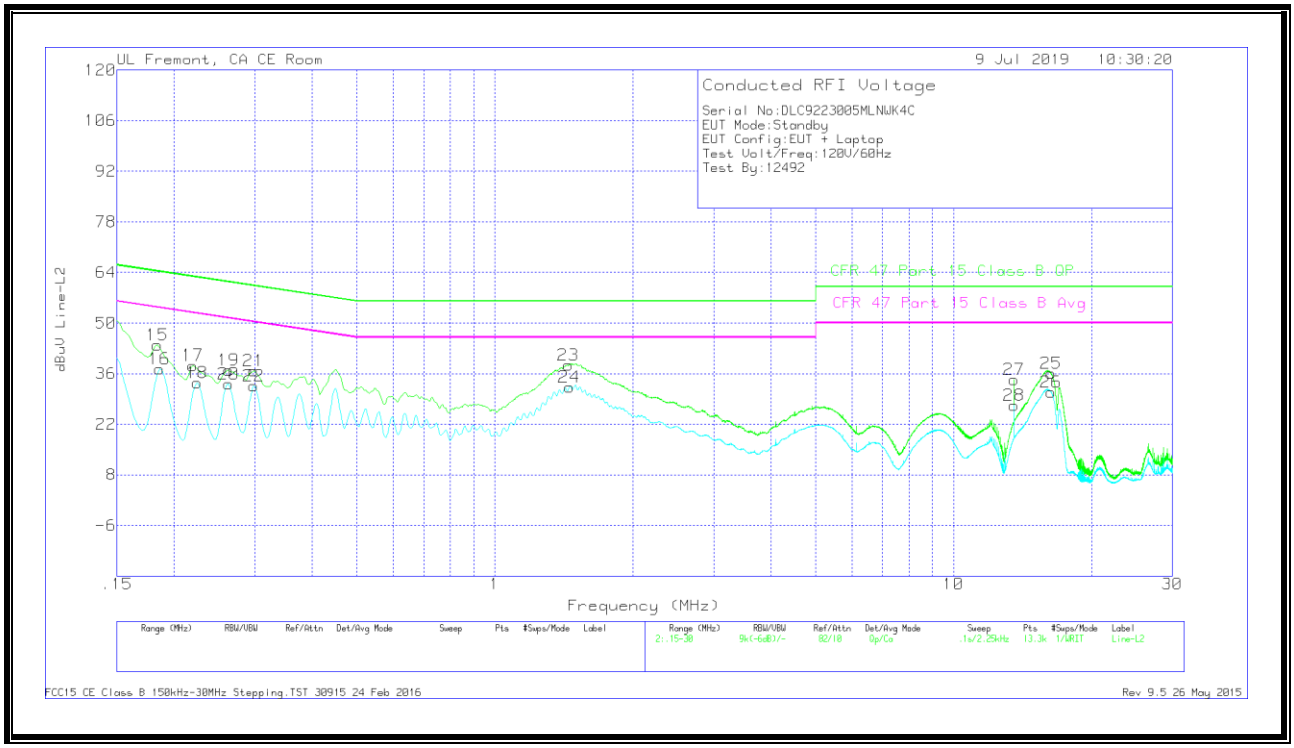
WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.18375	33.35	Qp	0	0	10.1	43.45	64.31	-20.86	-	-
2	.186	27.31	Ca	0	0	10.1	37.41	-	-	54.21	-16.8
3	.21975	28.81	Qp	0	0	10.1	38.91	62.83	-23.92	-	-
4	.22425	24.19	Ca	0	0	10.1	34.29	-	-	52.66	-18.37
5	.438	23.76	Qp	0	0	10.1	33.86	57.1	-23.24	-	-
6	.44475	16.47	Ca	0	0	10.1	26.57	-	-	46.97	-20.4
7	1.44825	27.98	Qp	0	.1	10.1	38.18	56	-17.82	-	-
8	1.4505	21.22	Ca	0	.1	10.1	31.42	-	-	46	-14.58
9	4.96275	12.86	Qp	0	.1	10.1	23.06	56	-32.94	-	-
10	4.96275	8.17	Ca	0	.1	10.1	18.37	-	-	46	-27.63
*11	13.56	26.79	Qp	.1	.2	10.2	37.29	60	-22.71	-	-
*12	13.56	15.41	Ca	.1	.2	10.2	25.91	-	-	50	-24.09
13	16.5683	15.12	Qp	.1	.3	10.3	25.82	60	-34.18	-	-
14	16.5683	10.21	Ca	.1	.3	10.3	20.91	-	-	50	-29.09

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

LINE 2 RESULTS



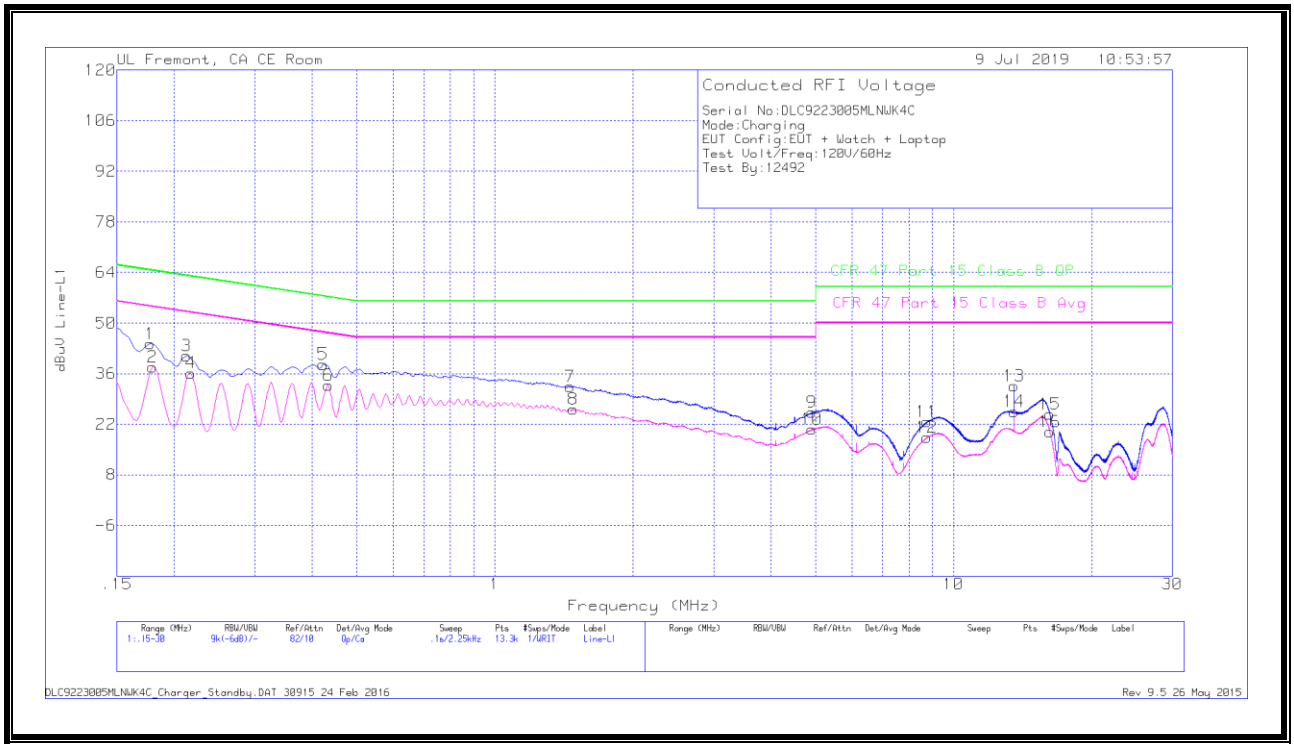
WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.18375	33.79	Qp	0	0	10.1	43.89	64.31	-20.42	-	-
16	.186	27.15	Ca	0	0	10.1	37.25	-	-	54.21	-16.96
17	.21975	28.16	Qp	0	0	10.1	38.26	62.83	-24.57	-	-
18	.22425	23.4	Ca	0	0	10.1	33.5	-	-	52.66	-19.16
19	.2625	26.81	Qp	0	0	10.1	36.91	61.35	-24.44	-	-
20	.2625	23.11	Ca	0	0	10.1	33.21	-	-	51.35	-18.14
21	.2985	26.63	Qp	0	0	10.1	36.73	60.28	-23.55	-	-
22	.2985	22.51	Ca	0	0	10.1	32.61	-	-	50.28	-17.67
23	1.446	28.23	Qp	0	.1	10.1	38.43	56	-17.57	-	-
24	1.45275	22.08	Ca	0	.1	10.1	32.28	-	-	46	-13.72
25	16.3118	25.42	Qp	.1	.3	10.3	36.12	60	-23.88	-	-
26	16.3095	20.18	Ca	.1	.3	10.3	30.88	-	-	50	-19.12
*27	13.56	23.8	Qp	.1	.2	10.2	34.3	60	-25.7	-	-
*28	13.56	16.68	Ca	.1	.2	10.2	27.18	-	-	50	-22.82

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device.

9.2.4. OPERATING MODE WITH WATCH POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS

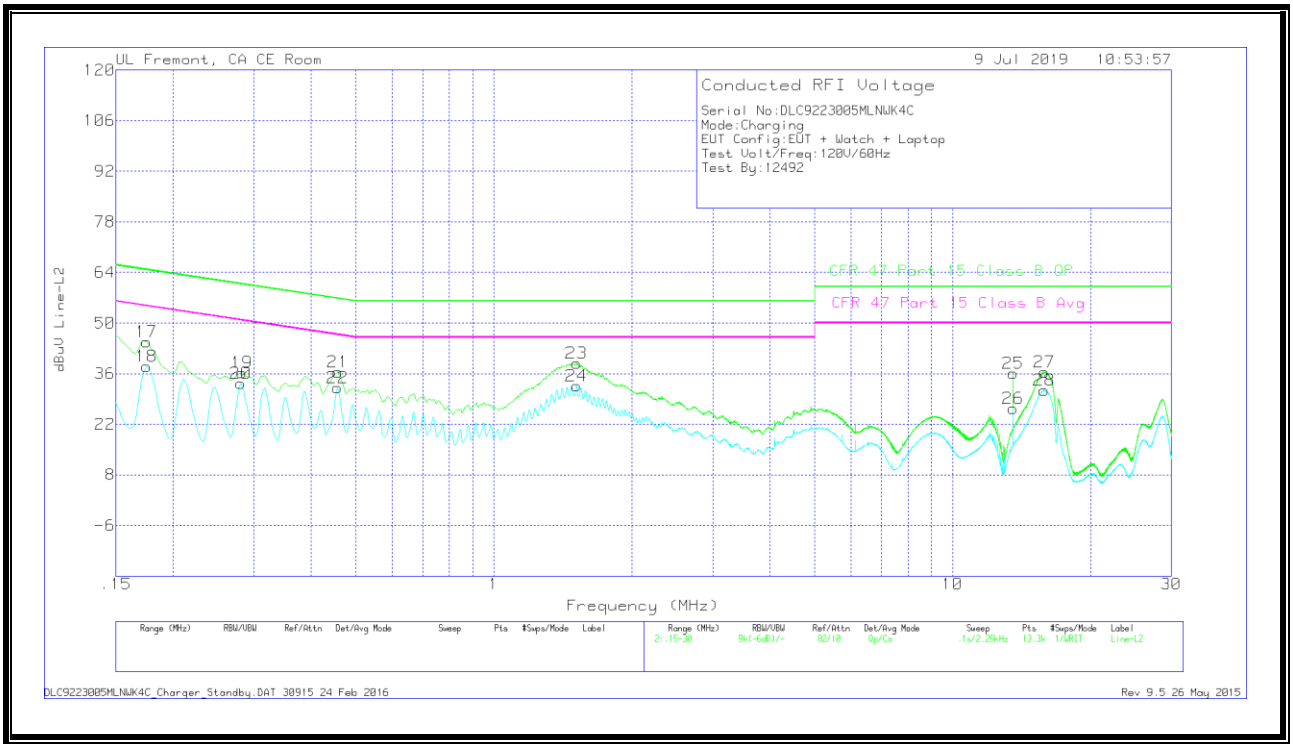


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.177	34.19	Qp	0	0	10.1	44.29	64.63	-20.34	-	-
2	.17925	27.79	Ca	0	0	10.1	37.89	-	-	54.52	-16.63
3	.213	30.85	Qp	0	0	10.1	40.95	63.09	-22.14	-	-
4	.2175	26.08	Ca	0	0	10.1	36.18	-	-	52.91	-16.73
5	.42225	28.51	Qp	0	0	10.1	38.61	57.4	-18.79	-	-
6	.4335	22.72	Ca	0	0	10.1	32.82	-	-	47.19	-14.37
7	1.46175	22.23	Qp	0	.1	10.1	32.43	56	-23.57	-	-
8	1.482	15.97	Ca	0	.1	10.1	26.17	-	-	46	-19.83
9	4.9155	15.19	Qp	0	.1	10.1	25.39	56	-30.61	-	-
10	4.9155	10.48	Ca	0	.1	10.1	20.68	-	-	46	-25.32
11	8.75625	12.23	Qp	0	.2	10.2	22.63	60	-37.37	-	-
12	8.75625	7.9	Ca	0	.2	10.2	18.3	-	-	50	-31.7
13	*13.56	22.17	Qp	.1	.2	10.2	32.67	60	-27.33	-	-
14	*13.56	15.07	Ca	.1	.2	10.2	25.57	-	-	50	-24.43
15	16.2285	14.12	Qp	.1	.3	10.3	24.82	60	-35.18	-	-
16	16.2285	9.21	Ca	.1	.3	10.3	19.91	-	-	50	-30.09

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

LINE 2 RESULTS



WORST EMISSIONS

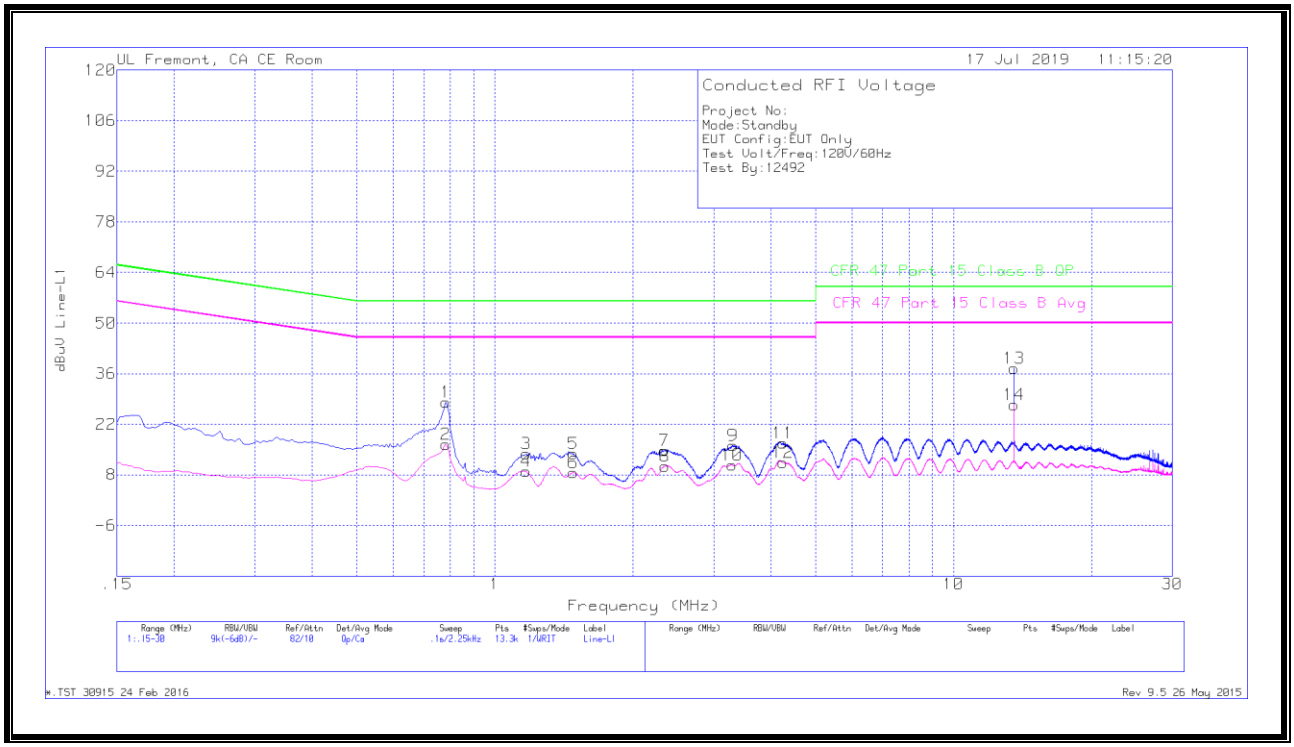
Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
17	.17475	34.65	Qp	0	0	10.1	44.75	64.73	-19.98	-	-
18	.17475	27.84	Ca	0	0	10.1	37.94	-	-	54.73	-16.79
19	.28275	26.23	Qp	0	0	10.1	36.33	60.73	-24.4	-	-
20	.2805	23.15	Ca	0	0	10.1	33.25	-	-	50.8	-17.55
21	.45825	26.39	Qp	0	0	10.1	36.49	56.72	-20.23	-	-
22	.456	21.97	Ca	0	0	10.1	32.07	-	-	46.77	-14.7
23	1.5135	28.71	Qp	0	.1	10.1	38.91	56	-17.09	-	-
24	1.5135	22.34	Ca	0	.1	10.1	32.54	-	-	46	-13.46
25	*13.56	25.57	Qp	.1	.2	10.2	36.07	60	-23.93	-	-
26	*13.56	15.86	Ca	.1	.2	10.2	26.36	-	-	50	-23.64
27	15.8595	25.77	Qp	.1	.3	10.3	36.47	60	-23.53	-	-
28	15.8393	20.68	Ca	.1	.3	10.3	31.38	-	-	50	-18.62

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device.

9.3. STAINLESS STEEL WITH 2M CABLE

9.3.1. STANDBY MODE POWERED BY AC/DC ADAPTER

LINE 1 RESULTS



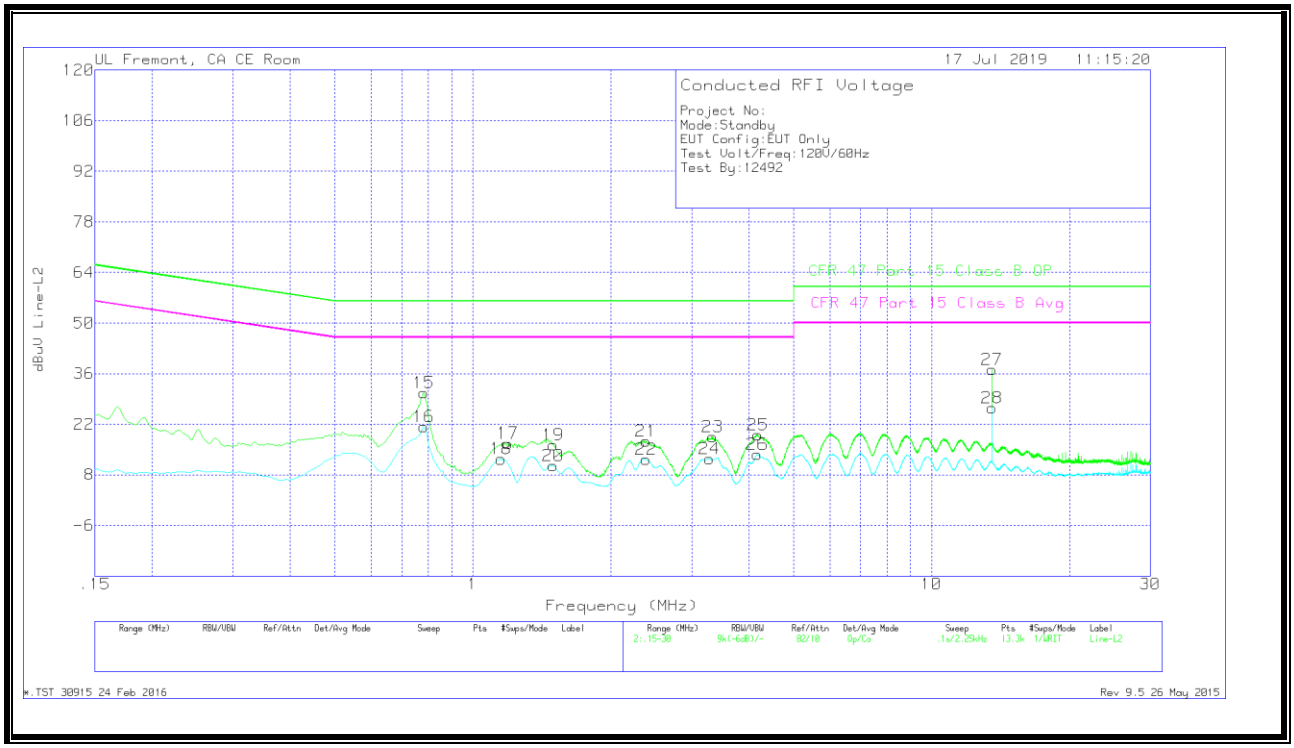
WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.78225	18.01	Qp	0	0	10.1	28.11	56	-27.89	-	-
2	.78225	6.37	Ca	0	0	10.1	16.47	-	-	46	-29.53
3	1.1715	3.68	Qp	0	.1	10.1	13.88	56	-42.12	-	-
4	1.16925	-1.17	Ca	0	.1	10.1	9.03	-	-	46	-36.97
5	1.48088	3.61	Qp	0	.1	10.1	13.81	56	-42.19	-	-
6	1.48425	-1.54	Ca	0	.1	10.1	8.66	-	-	46	-37.34
7	2.33925	4.57	Qp	0	.1	10.1	14.77	56	-41.23	-	-
8	2.35163	.25	Ca	0	.1	10.1	10.45	-	-	46	-35.55
9	3.30675	5.91	Qp	0	.1	10.1	16.11	56	-39.89	-	-
10	3.29438	.55	Ca	0	.1	10.1	10.75	-	-	46	-35.25
11	4.2495	6.64	Qp	0	.1	10.1	16.84	56	-39.16	-	-
12	4.245	1.27	Ca	0	.1	10.1	11.47	-	-	46	-34.53
*13	13.56	26.99	Qp	.1	.2	10.2	37.49	60	-22.51	-	-
*14	13.56	16.98	Ca	.1	.2	10.2	27.48	-	-	50	-22.52

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

LINE 2 RESULTS



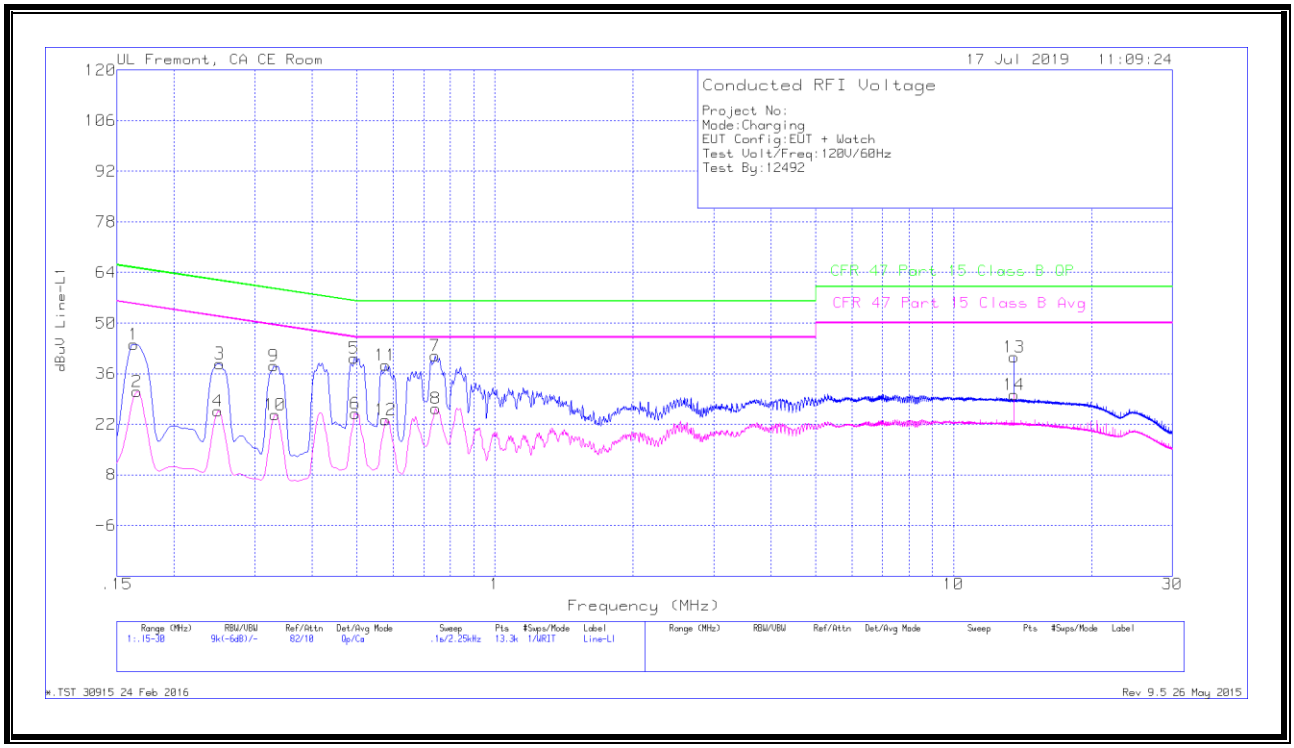
WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.78225	20.62	Qp	0	0	10.1	30.72	56	-25.28	-	-
16	.78225	11.26	Ca	0	0	10.1	21.36	-	-	46	-24.64
17	1.194	6.51	Qp	0	.1	10.1	16.71	56	-39.29	-	-
18	1.15125	2.17	Ca	0	.1	10.1	12.37	-	-	46	-33.63
19	1.49775	6.06	Qp	0	.1	10.1	16.26	56	-39.74	-	-
20	1.49775	.4	Ca	0	.1	10.1	10.6	-	-	46	-35.4
21	2.3865	7.14	Qp	0	.1	10.1	17.34	56	-38.66	-	-
22	2.38425	2.12	Ca	0	.1	10.1	12.32	-	-	46	-33.68
23	3.336	8.37	Qp	0	.1	10.1	18.57	56	-37.43	-	-
24	3.27975	2.28	Ca	0	.1	10.1	12.48	-	-	46	-33.52
25	4.1775	8.85	Qp	0	.1	10.1	19.05	56	-36.95	-	-
26	4.17525	3.42	Ca	0	.1	10.1	13.62	-	-	46	-32.38
*27	13.56	26.64	Qp	.1	.2	10.2	37.14	60	-22.86	-	-
*28	13.56	15.98	Ca	.1	.2	10.2	26.48	-	-	50	-23.52

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

9.3.2. OPERATING MODE WITH WATCH POWERED BY AC/DC ADAPTER

LINE 1 RESULTS

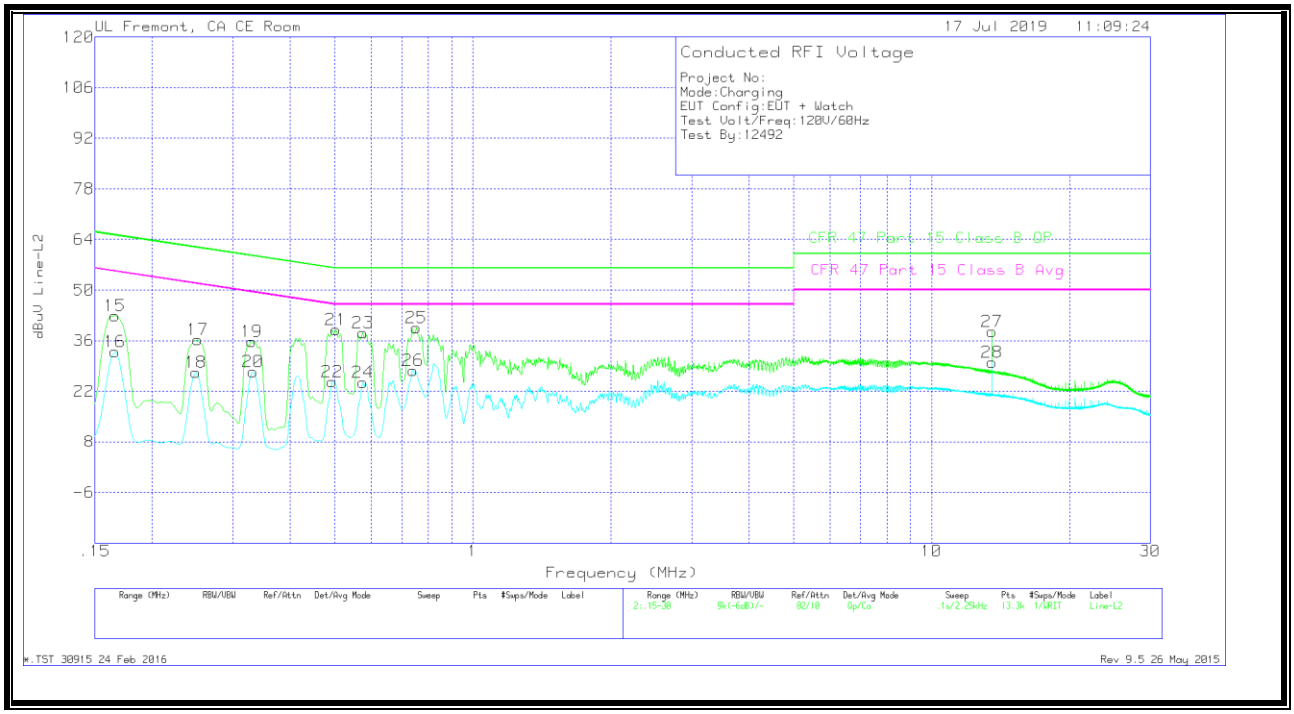


WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.1635	33.86	Qp	.1	0	10.1	44.06	65.28	-21.22	-	-
2	.16575	20.88	Ca	.1	0	10.1	31.08	-	-	55.17	-24.09
3	.25125	28.68	Qp	0	0	10.1	38.78	61.72	-22.94	-	-
4	.249	15.54	Ca	0	0	10.1	25.64	-	-	51.79	-26.15
5	.49425	30.13	Qp	0	0	10.1	40.23	56.1	-15.87	-	-
6	.4965	14.91	Ca	0	0	10.1	25.01	-	-	46.06	-21.05
7	.74175	30.85	Qp	0	0	10.1	40.95	56	-15.05	-	-
8	.744	16.2	Ca	0	0	10.1	26.3	-	-	46	-19.7
9	.33	28.03	Qp	0	0	10.1	38.13	59.45	-21.32	-	-
10	.33225	14.51	Ca	0	0	10.1	24.61	-	-	49.39	-24.78
11	.5775	28.31	Qp	0	0	10.1	38.41	56	-17.59	-	-
12	.5775	13.11	Ca	0	0	10.1	23.21	-	-	46	-22.79
*13	13.56	30.13	Qp	.1	.2	10.2	40.63	60	-19.37	-	-
*14	13.56	19.61	Ca	.1	.2	10.2	30.11	-	-	50	-19.89

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

LINE 2 RESULTS



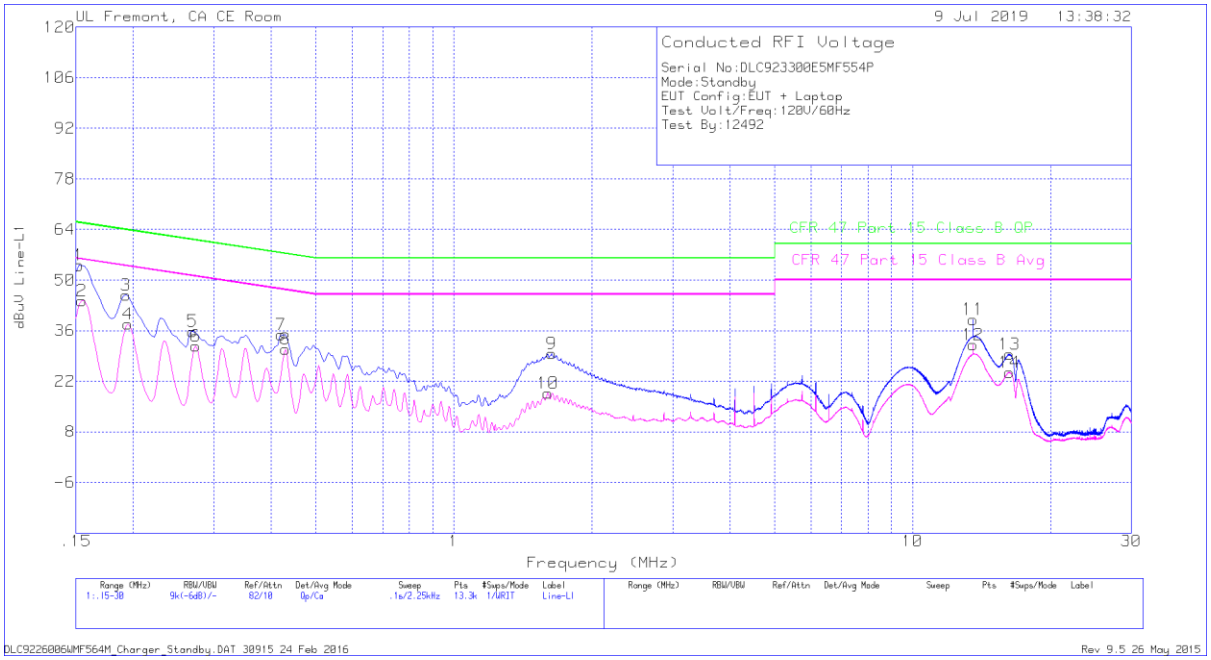
WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.16575	32.72	Qp	.1	0	10.1	42.92	65.17	-22.25	-	-
16	.16575	22.71	Ca	.1	0	10.1	32.91	-	-	55.17	-22.26
17	.25125	26.14	Qp	0	0	10.1	36.24	61.72	-25.48	-	-
18	.249	17.1	Ca	0	0	10.1	27.2	-	-	51.79	-24.59
19	.33	25.64	Qp	0	0	10.1	35.74	59.45	-23.71	-	-
20	.33225	17.33	Ca	0	0	10.1	27.43	-	-	49.39	-21.96
21	.50325	28.88	Qp	0	0	10.1	38.98	56	-17.02	-	-
22	.49425	14.51	Ca	0	0	10.1	24.61	-	-	46.1	-21.49
23	.57525	28.13	Qp	0	0	10.1	38.23	56	-17.77	-	-
24	.57525	14.33	Ca	0	0	10.1	24.43	-	-	46	-21.57
25	.753	29.46	Qp	0	0	10.1	39.56	56	-16.44	-	-
26	.74175	17.7	Ca	0	0	10.1	27.8	-	-	46	-18.2
*27	13.56	28.09	Qp	.1	.2	10.2	38.59	60	-21.41	-	-
*28	13.56	19.47	Ca	.1	.2	10.2	29.97	-	-	50	-20.03

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device

9.3.3. STANDBY MODE POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS



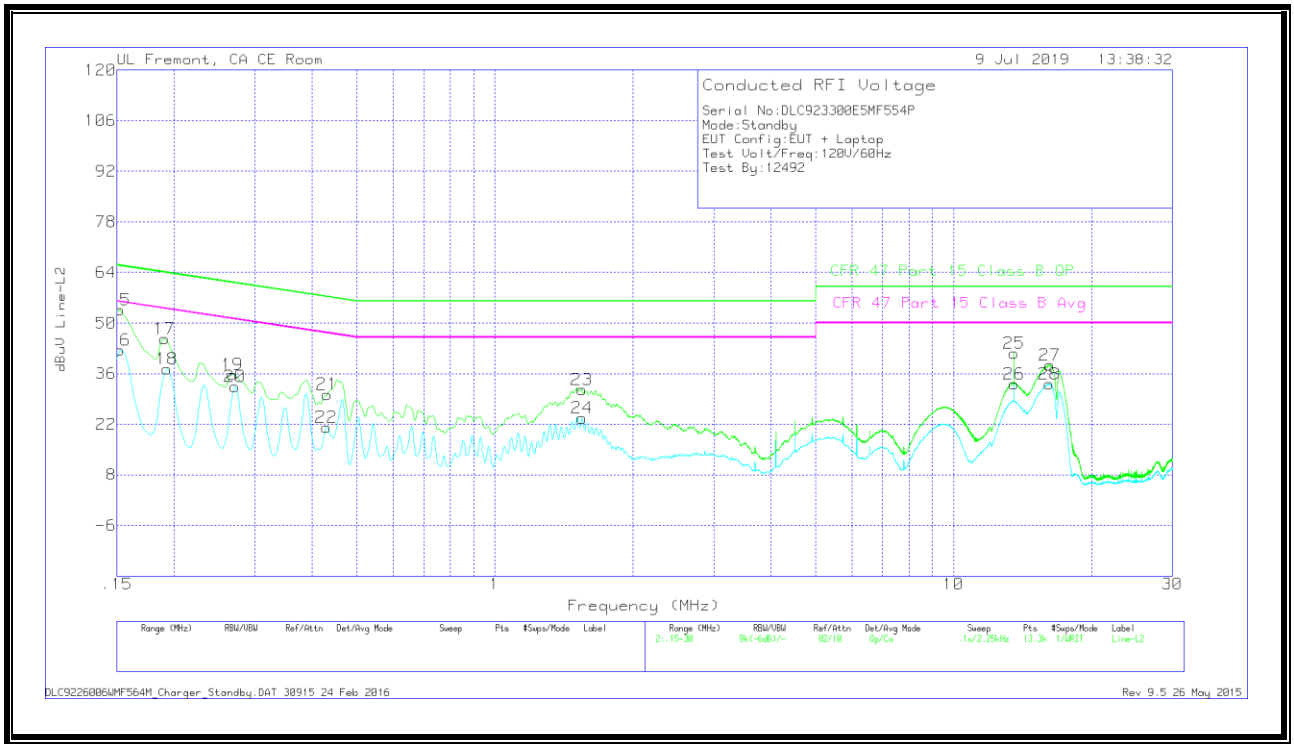
WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.15225	43.89	Qp	.1	0	10.1	54.09	65.88	-11.79	-	-
2	.1545	34.03	Ca	.1	0	10.1	44.23	-	-	55.75	-11.52
3	.19275	35.78	Qp	0	0	10.1	45.88	63.92	-18.04	-	-
4	.195	27.75	Ca	0	0	10.1	37.85	-	-	53.82	-15.97
5	.26925	25.73	Qp	0	0	10.1	35.83	61.14	-25.31	-	-
6	.27375	21.61	Ca	0	0	10.1	31.71	-	-	51	-19.29
7	.42	24.77	Qp	0	0	10.1	34.87	57.45	-22.58	-	-
8	.429	20.82	Ca	0	0	10.1	30.92	-	-	47.27	-16.35
9	1.635	19.47	Qp	0	.1	10.1	29.67	56	-26.33	-	-
10	1.6035	8.53	Ca	0	.1	10.1	18.73	-	-	46	-27.27
*11	13.562253	28.63	Qp	.1	.2	10.2	39.13	60	-20.87	-	-
*12	13.56	21.52	Ca	.1	.2	10.2	32.02	-	-	50	-17.98
13	16.2758	18.78	Qp	.1	.3	10.3	29.48	60	-30.52	-	-
14	16.2758	13.79	Ca	.1	.3	10.3	24.49	-	-	50	-25.51

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device.

LINE 2 RESULTS



WORST EMISSIONS

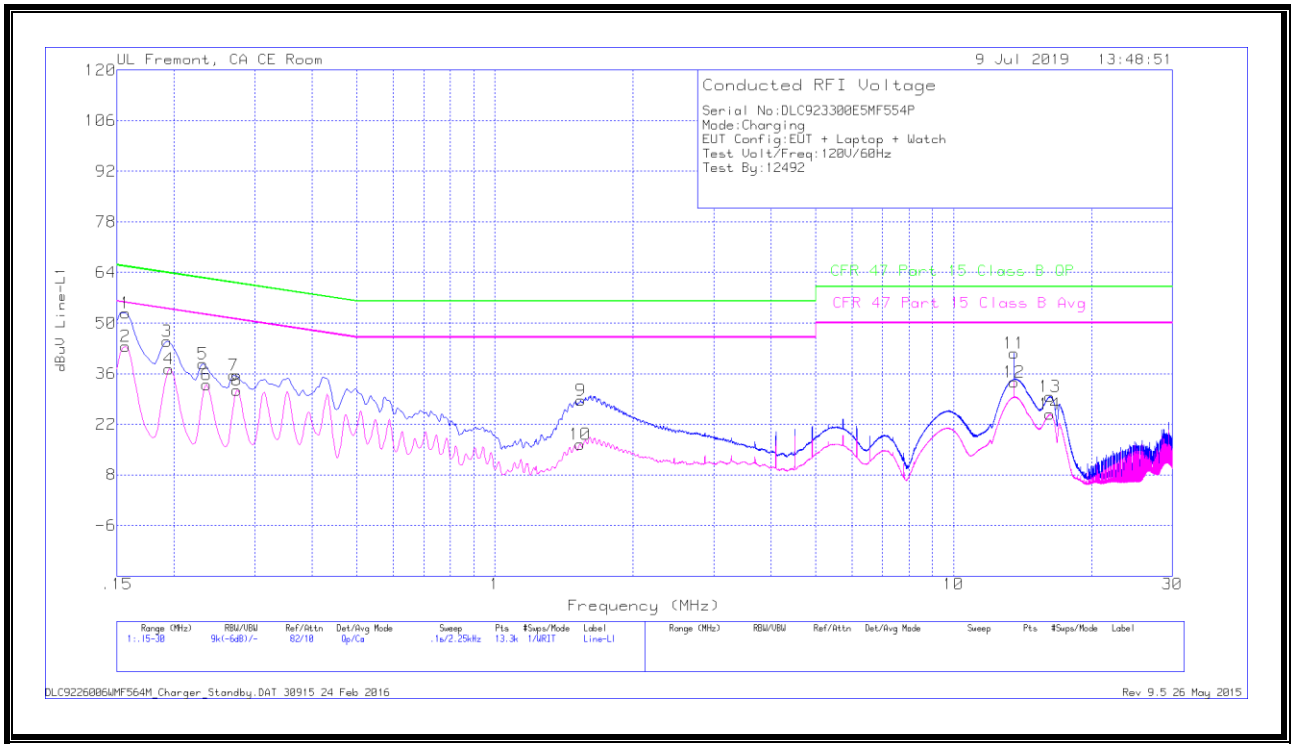
Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.15225	43.44	Qp	.1	0	10.1	53.64	65.88	-12.24	-	-
16	.15225	32.34	Ca	.1	0	10.1	42.54	-	-	55.88	-13.34
17	.1905	35.48	Qp	0	0	10.1	45.58	64.01	-18.43	-	-
18	.19275	27.24	Ca	0	0	10.1	37.34	-	-	53.92	-16.58
19	.26813	25.7	Qp	0	0	10.1	35.8	61.18	-25.38	-	-
20	.2715	22.42	Ca	0	0	10.1	32.52	-	-	51.07	-18.55
21	.43125	20.17	Qp	0	0	10.1	30.27	57.23	-26.96	-	-
22	.429	10.97	Ca	0	0	10.1	21.07	-	-	47.27	-26.2
23	1.54725	21.44	Qp	0	.1	10.1	31.64	56	-24.36	-	-
24	1.5495	13.47	Ca	0	.1	10.1	23.67	-	-	46	-22.33
*25	13.56	31.2	Qp	.1	.2	10.2	41.7	60	-18.3	-	-
*26	13.56	22.64	Ca	.1	.2	10.2	33.14	-	-	50	-16.86
27	16.2263	27.71	Qp	.1	.3	10.3	38.41	60	-21.59	-	-
28	16.1903	22.49	Ca	.1	.3	10.3	33.19	-	-	50	-16.81

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device.

9.3.4. OPERATING MODE WITH WATCH POWERED BY HOST PC VIA USB CABLE

LINE 1 RESULTS



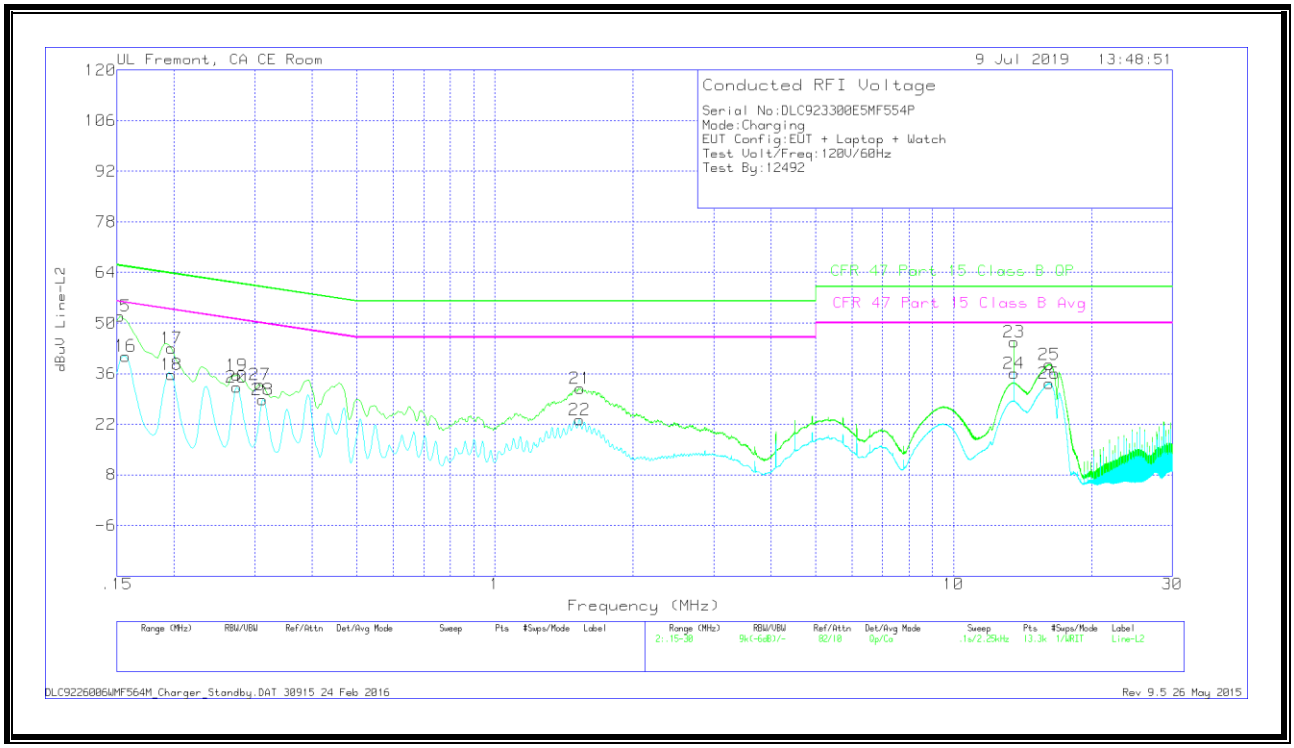
WORST EMISSIONS

Range 1: Line-L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L1	LC Cables C1&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
1	.15675	42.58	Qp	.1	0	10.1	52.78	65.63	-12.85	-	-
2	.15675	33.34	Ca	.1	0	10.1	43.54	-	-	55.63	-12.09
3	.19275	34.82	Qp	0	0	10.1	44.92	63.92	-19	-	-
4	.195	27.2	Ca	0	0	10.1	37.3	-	-	53.82	-16.52
5	.231	28.63	Qp	0	0	10.1	38.73	62.41	-23.68	-	-
6	.2355	22.8	Ca	0	0	10.1	32.9	-	-	52.25	-19.35
7	.26925	25.4	Qp	0	0	10.1	35.5	61.14	-25.64	-	-
8	.27375	21.32	Ca	0	0	10.1	31.42	-	-	51	-19.58
9	1.53825	18.34	Qp	0	.1	10.1	28.54	56	-27.46	-	-
10	1.53375	6.29	Ca	0	.1	10.1	16.49	-	-	46	-29.51
*11	13.56	31.2	Qp	.1	.2	10.2	41.7	60	-18.3	-	-
*12	13.56	23.17	Ca	.1	.2	10.2	33.67	-	-	50	-16.33
13	16.1993	19.03	Qp	.1	.3	10.3	29.73	60	-30.27	-	-
14	16.2398	14.06	Ca	.1	.3	10.3	24.76	-	-	50	-25.24

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device.

LINE 2 RESULTS



WORST EMISSIONS

Range 2: Line-L2 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	LISN L2	LC Cables C2&C3	Limiter (dB)	Corrected Reading dBuV	CFR 47 Part 15 Class B QP	QP Margin (dB)	CFR 47 Part 15 Class B Avg	Av(CISPR)Margin (dB)
15	.15225	41.76	Qp	.1	0	10.1	51.96	65.88	-13.92	-	-
16	.15675	30.67	Ca	.1	0	10.1	40.87	-	-	55.63	-14.76
17	.19725	32.88	Qp	0	0	10.1	42.98	63.73	-20.75	-	-
18	.19725	25.69	Ca	0	0	10.1	35.79	-	-	53.73	-17.94
19	.27375	25.49	Qp	0	0	10.1	35.59	61	-25.41	-	-
20	.27375	22.12	Ca	0	0	10.1	32.22	-	-	51	-18.78
21	1.536	21.67	Qp	0	.1	10.1	31.87	56	-24.13	-	-
22	1.52925	13.06	Ca	0	.1	10.1	23.26	-	-	46	-22.74
*23	13.56	34.33	Qp	.1	.2	10.2	44.83	60	-15.17	-	-
*24	13.56	25.6	Ca	.1	.2	10.2	36.1	-	-	50	-13.9
25	16.1678	27.86	Qp	.1	.3	10.3	38.56	60	-21.44	-	-
26	16.1633	22.63	Ca	.1	.3	10.3	33.33	-	-	50	-16.67
27	.3075	22.82	Qp	0	0	10.1	32.92	60.04	-27.12	-	-
28	.312	18.68	Ca	0	0	10.1	28.78	-	-	49.92	-21.14

Qp - Quasi-Peak detector
Ca - CISPR average detection
*Indicates UL RFID signal. Not from device.

END OF TEST REPORT

10. SETUP PHOTOS

Please refer to 12936083-EP1V1 for setup photos