CERTIFICATION TEST REPORT

Report Number. : 12234189-E2V3

Applicant	:	SATELLITE TRACKING OF PEOPLE LLC 1212 NORTH POST OAK RD, SUITE 100, HOUSTON, TX 77055, U.S.A.
Model	:	BluHome
FCC ID	:	S5EBHV40318
IC	:	9086A-BHV40318
EUT Description	:	OFFENDER HOME MONITORING BASE STATION
Test Standard(s)	:	FCC 47 CFR PART 15 SUBPART C ISED RSS-247 ISSUE 2 ISED RSS-GEN ISSUE 5

Date Of Issue:
March 14, 2019

Prepared by:
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NVLAP Lab code: 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	5/8/2018	Initial Issue	--
V2	7/9/2018	Updated typo on company address and NVLAP/ILAC logo	Tina Chu
V3	3/14/2019	Updated typo on company phone number and NVLAP/ILAC logo	Tina Chu

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME:	SATELLITE TRACKING OF PEOPLE LLC 1212 NORTH POST OAK RD, SUITE 100, HOUSTON, TX 77055, U.S.A.
EUT DESCRIPTION:	OFFENDER HOME MONITORING BASE STATION
MODEL:	BluHome
SERIAL NUMBER:	13-800003(RADIATED); 1565326 (CONDUCTED)
DATE TESTED:	APRIL 19, 2018 TO APRIL 27, 2018

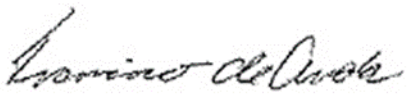
APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart C	Complies
ISED RSS-247 Issue 2	Complies
ISED RSS-GEN Issue 5	Complies

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:



FRANCISCO DE ANDA
OPERATIONS LEAD
UL Verification Services Inc.

Prepared By:

TOM CHEN
TEST ENGINEER
UL Verification Services Inc.

Reviewed By:

TINA CHU
SENIOR PROJECT ENGINEER
UL Verification Services Inc.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.10-2013, KDB 558074 D01 15.247 Meas Guidance v05, RSS-GEN Issue 5, and RSS-247 Issue 2.

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	47266 Benicia Street	47658 Kato Rd
☐ Chamber A (ISED:2324B-1)	☐ Chamber D (ISED:22541-1)	☐ Chamber I (ISED:2324A-5)
☐ Chamber B (ISED:2324B-2)	☐ Chamber E (ISED:22541-2)	☐ Chamber J (ISED:2324A-6)
☒ Chamber C (ISED:2324B-3)	☐ Chamber F (ISED:22541-3)	☐ Chamber K (ISED:2324A-1)
	☐ Chamber G (ISED:22541-4)	☐ Chamber L (ISED:2324A-3)
	☐ Chamber H (ISED: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
Conducted Disturbance, 9KHz to 0.15 MHz	3.84 dB
Conducted Disturbance, 0.15 to 30 MHz	3.65 dB
Radiated Disturbance, 9KHz to 30 MHz	3.15 dB
Radiated Disturbance, 30 to 1000 MHz	5.36 dB
Radiated Disturbance,1000 to 18000 MHz	4.32 dB
Radiated Disturbance,18000 to 26000 MHz	4.45 dB
Radiated Disturbance,26000 to 40000 MHz	5.24 dB
Occupied Channel Bandwidth	± 0.39 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is an offender Home monitoring base station. It is a desktop device that includes 915 MHz (LoRa) ISM Proximity application, Cellular/Wifi/PSTN support and location services based via GNSS.

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum conducted peak output power as follows:

Frequency Range (MHz)	Mode	Output Power (dBm)	Output Power (mW)
915	normal	5.62	3.65

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a metal SMT antenna delivers the device antenna, with a maximum gain of 1dBi.

5.4. SOFTWARE AND FIRMWARE

The firmware installed in the EUT during testing was V1.1.

The test utility software used during testing was V1.1_FCC.

5.5. WORST-CASE CONFIGURATION AND MODE

All radiated emission was performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

The EUT is a desktop device(X-Orientation, Flatbed). Therefore, all final radiated testing was performed with the EUT in desktop orientation(X-Orientation, Flatbed).

915MHz, Wifi and cellular do not transmit simultaneously.

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT & PERIPHERALS

N/A

I/O CABLES (CONDUCTED EMISSIONS)

I/O CABLE LIST						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	AC/DC	1	2-prong	Unshielded	1.5	Attached cable
2	Antenna	1	SMA	Shielded	0.05	

I/O CABLES (RADIATED EMISSIONS AND AC POWER LINE EMISSIONS)

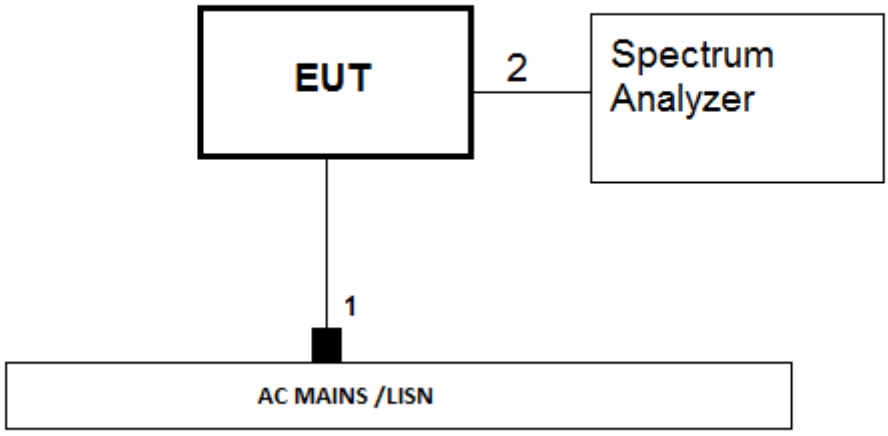
I/O CABLE LIST						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	AC/DC	1	2-prong	Unshielded	1.5	Attached cable

TEST SETUP-CONDUCTED TEST

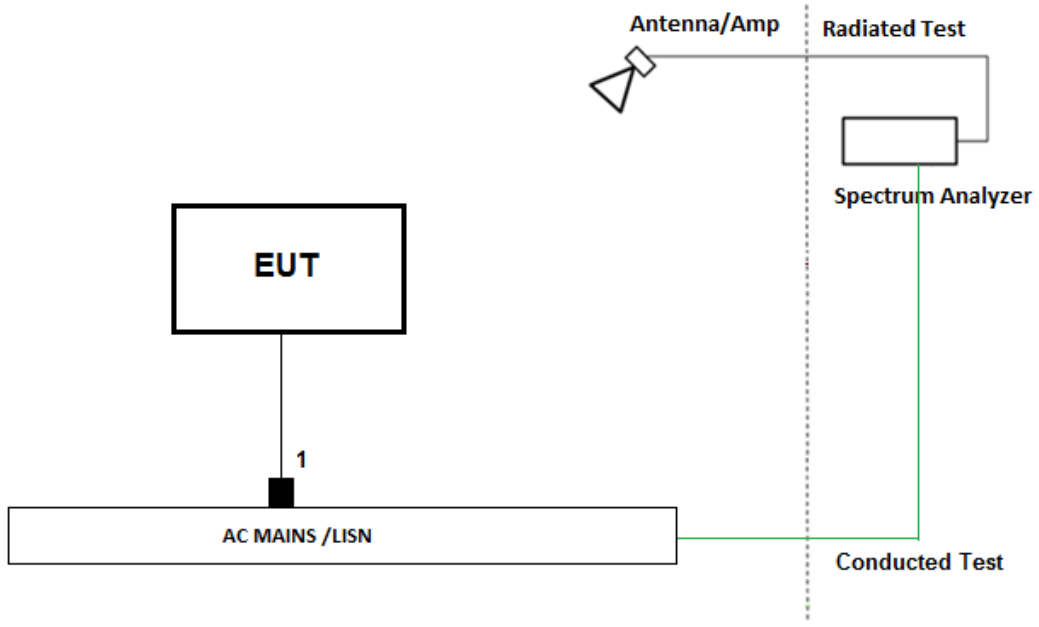
The EUT was installed in a typical configuration. Refer to the following diagram;

SETUP DIAGRAM

CONDUCTED



RADIATED and AC POWER LINE EMISSIONS



6. TEST AND MEASUREMENT EQUIPMENT

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

TEST EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**Asset**	**Cal Due**
Antenna, Active Loop 9kHz-30MHz	COM-POWER	AL-130R	PRE0165308	12/13/2018
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunorl Sciences Corp.	JB1	T130	10/16/2018
Amplifer, 100kHz to 1GHz, 32dB	Keysight	8447D	T15	08/14/2018
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight	N9030A	T1466	04/16/2019
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	T120	06/26/2018
Amplifier, 1 to 18GHz	Miteq	AFS42-00101800-25-S-42	T931	02/24/2019
Filter, HPF 3.0GHz	Micro-Tronics	HPM17543	T486	04/03/2019
Spectrum Analyzer, PXA 3Hz to 44GHz	Keysight	N9030A	T1210	07/17/2018
Power Sensor, P-series, 50MHz to 18GHz	Agilent	N1921A	T1223	04/03/2019
Power Meter, P-series single channel	Agilent	N911A	T1271	04/10/2019
PXA Spectrum Analyzer, 3Hz to 44GHz	KEYSIGHT	N9030A	T1450	02/05/2019
AC Line Conducted				
EMI Test receiver 10Hz- 7GHz	Rhode& Schwarz	ESR	T1436	02/23/2019
L.I.S.N	FCC INC.	FCC LISN 50/250	T1310	06/15/2018
Power Cable, Line Conducted Emissions	UL	PG1	T861	08/31/2018
UL AUTOMATION SOFTWARE				
Radiated Software	UL	UL EMC	Ver 9.5, Dec 01, 2016	
Conducted Software	UL	UL EMC	Ver 8.2, Dec 14, 2017	
AC Line Conducted Software	UL	UL EMC	Ver 9.5, May 26, 2015	

NOTES:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

7. MEASUREMENT METHODS

6 dB BW: ANSI C63.10 Subclause -11.8.1

Output Power: ANSI C63.10 Subclause -11.9.1.3 Method PKPM1 Peak-reading power meter

Average Output Power:ANSI C63.10 Subclause -11.9.2.3.2 Method AVGPM-G (Measurement using a gated RF average-reading power meter)

PSD: ANSI C63.10 Subclause -11.10.2 Method PKPSD (peak PSD)

Radiated emissions non-restricted frequency bands: ANSI C63.10 Subclause -11.11

Radiated emissions restricted frequency bands: ANSI C63.10 Subclause -11.12.1

Conducted emissions in restricted frequency bands: ANSI C63.10 Subclause -11.12.2

Band-edge: ANSI C63.10 Subclause -11.13.3.4 Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction

AC Power Line Conducted Emissions: ANSI C63.10-2013, Section 6.2.

Radiated Spurious Emissions Below 30MHz: ANSI C63.10-2013 Section 6.4

8. ANTENNA PORT TEST RESULTS

8.1. ON TIME AND DUTY CYCLE

LIMITS

None; for reporting purposes only.

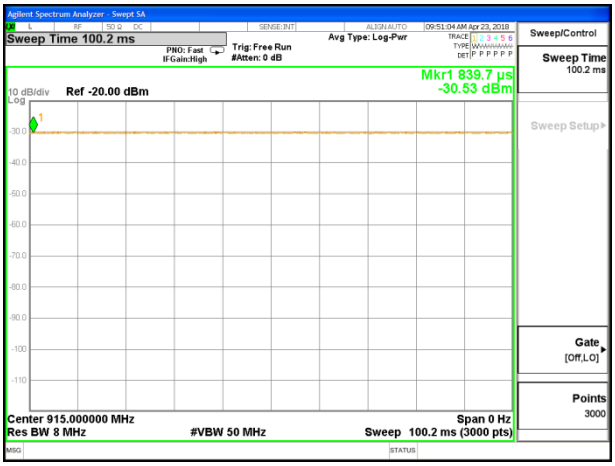
PROCEDURE

KDB 558074 Zero-Span Spectrum Analyzer Method.

ON TIME AND DUTY CYCLE RESULTS

Mode	ON Time B (msec)	Period (msec)	Duty Cycle x (linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/B Minimum VBW (kHz)
915 MHz	1.000	1.000	1.000	100.00%	0.00	0.010

DUTY CYCLE PLOT



MID CHANNEL

8.2. 6 dB BANDWIDTH

LIMITS

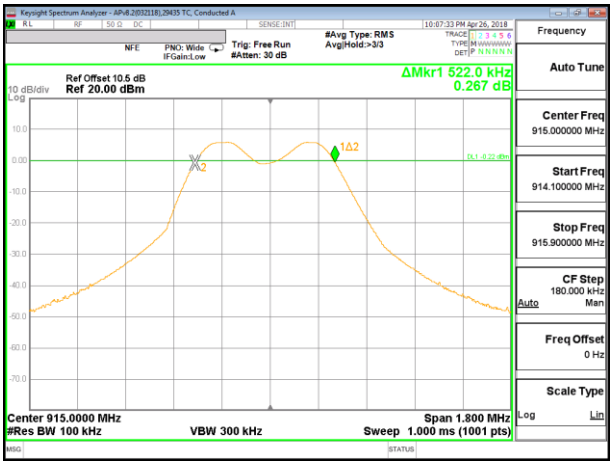
FCC §15.247 (a) (2)

ISED RSS-247 Clause 5.2 (a)

The minimum 6 dB bandwidth shall be at least 500 kHz.

RESULTS

Channel	Frequency (MHz)	6dB Bandwidth (KHz)	Minimum Limit (KHz)
Mid	915	522	500



MID CHANNEL

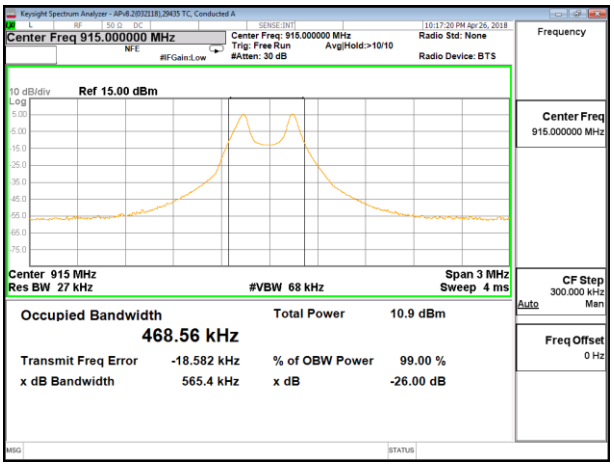
8.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

RESULTS

Channel	Frequency (MHz)	99% Bandwidth (KHz)
Mid	915	468.56



MID CHANNEL

8.4. OUTPUT PEAK POWER

LIMITS

FCC §15.247 (b) (3)

ISED RSS-247 Clauses 5.4 (d)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt, based on the use of antennas with directional gains that do not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DIRECTIONAL ANTENNA GAIN

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

RESULTS

Tested By:	29435 TC
Date:	4/26/2018

Limits

Channel	Frequency (MHz)	Directional Gain (dBi)	FCC Power Limit (dBm)	IC Power Limit (dBm)	IC EIRP Limit (dBm)	Max Power (dBm)
Mid	915	1.00	30.00	30	36	30.00

Results

Channel	Frequency (MHz)	Chain 0 Meas Peak Power (dBm)	Total Corr'd Peak Power (dBm)	Power Limit (dBm)	Margin (dB)
Mid	915	5.62	5.62	30.00	-24.38

8.5. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

ISED RSS-247 Clause 5.2 (b)

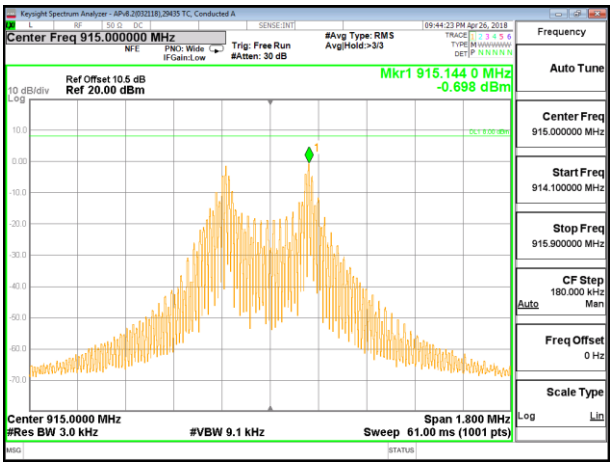
The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

Tested By:	29435 TC
Date:	4/26/2018

Duty Cycle CF (dB)	0.00	**Included in Calculations of Corr'd PSD**

Channel	Frequency (MHz)	Chain 0 Meas (dBm)	Total Corr'd PSD (dBm)	Limit (dBm)	Margin (dB)
Mid	915.0	-0.70	-0.70	8.0	-8.7



MID CHANNEL

8.6. CONDUCTED SPURIOUS EMISSIONS LIMITS

LIMITS

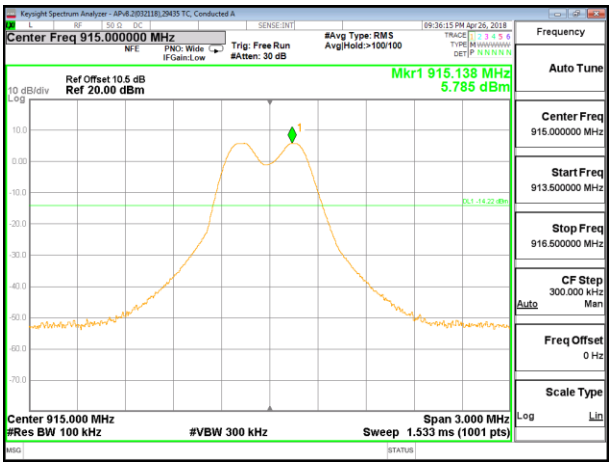
FCC §15.247 (d)

ISED RSS-247 Clause 5.5

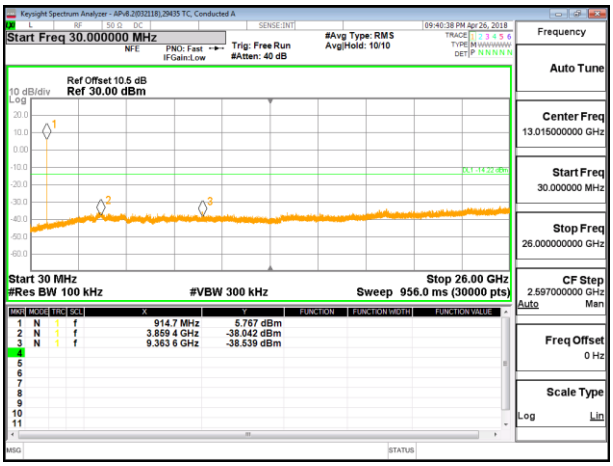
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required.

RESULTS

Output power was measured based on the use of peak measurement, therefore the required attenuation is 20 dB.



IN-BAND REFERENCE LEVEL



OUT-OF-BAND

9. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

IC RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300m	2400/F(kHz) @ 300m
0.490-1.705	24000/F(kHz) @ 30m	24000/F(kHz) @ 30m
1.705-30.0	30 @ 30m	30 @ 30m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

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

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz, below 1GHz and above 18GHz emissions are investigated with the transmitter set to the single channel in each applicable band.

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

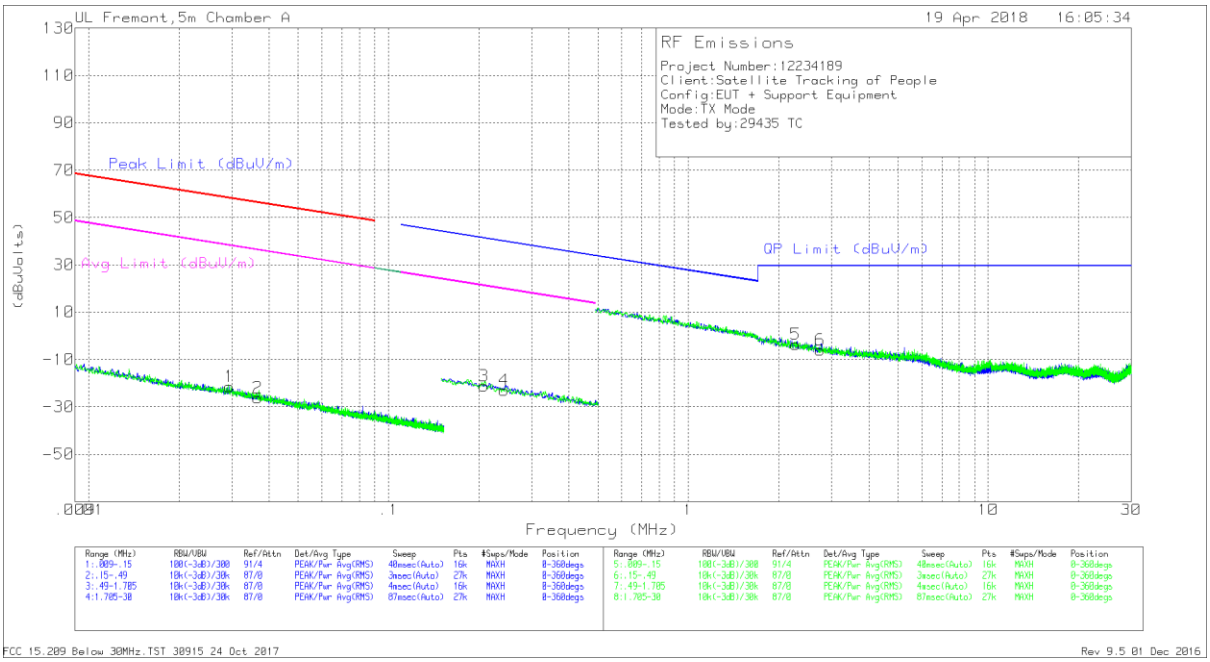
KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

RESULTS

9.1. TRANSMITTER RADIATED EMISISONS 9 kHz TO 30 MHz



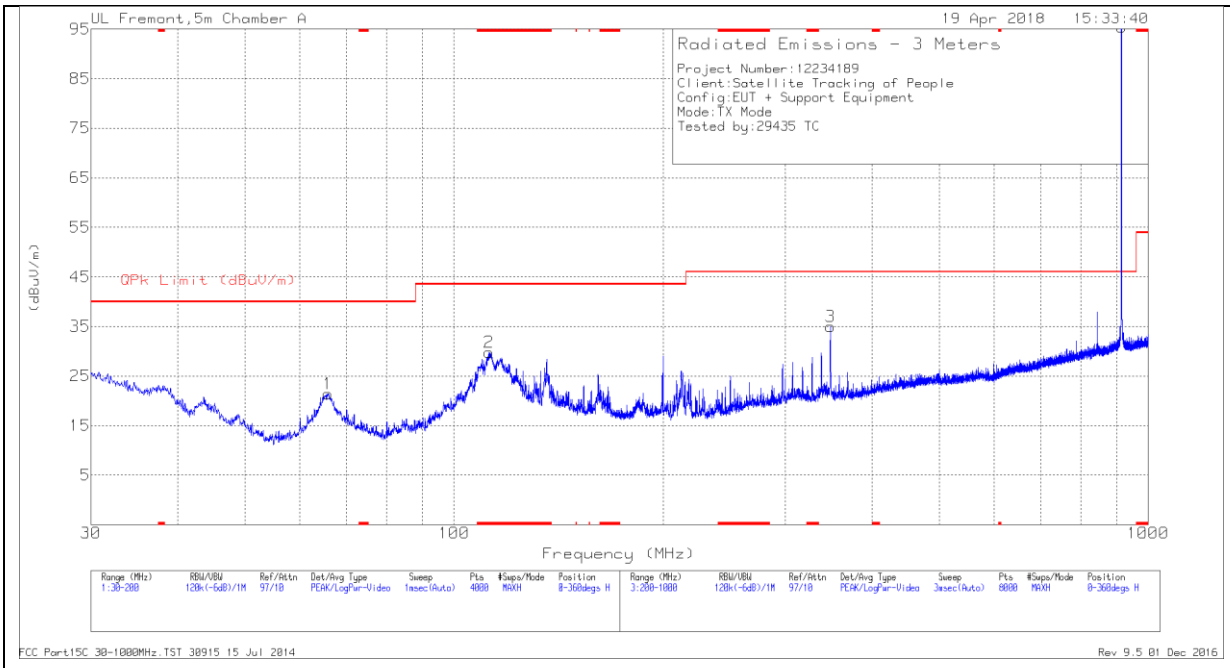
Radiated Emissions

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 300m	Corrected Reading (dBuVolts)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
1	.02948	42.97	Pk	15.5	.1	-80	-21.43	58.2	-79.63	38.2	-59.63	-	-	-	-	0-360
2	.03665	38.63	Pk	15.1	.1	-80	-26.17	56.3	-82.47	36.3	-62.47	-	-	-	-	0-360
3	.20818	44.96	Pk	13.9	.1	-80	-21.04	-	-	-	-	41.25	-62.29	21.25	-42.29	0-360
4	.24283	43	Pk	13.9	.1	-80	-23	-	-	-	-	39.91	-62.91	19.91	-42.91	0-360

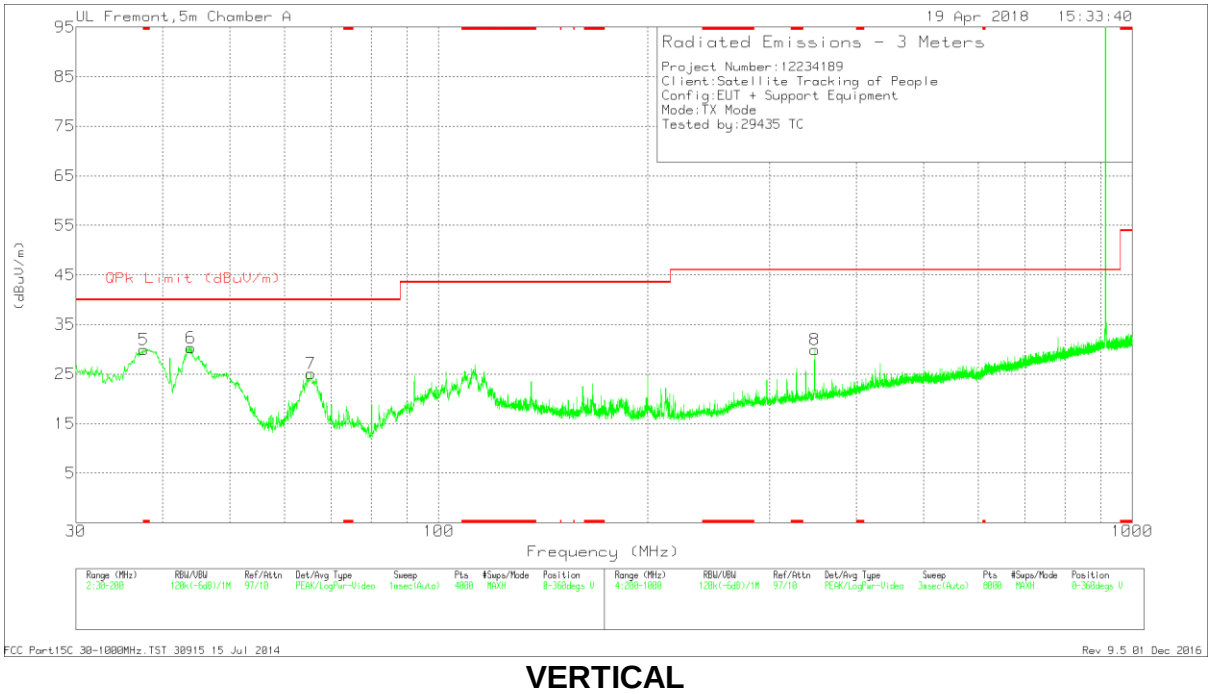
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 30m	Corrected Reading (dBuVolts)	QP Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
5	2.28088	21.88	Pk	14.4	.2	-40	-3.52	29.5	-33.02	-	-	-	-	0-360
6	2.74566	19.35	Pk	14.4	.3	-40	-5.95	29.5	-35.45	-	-	-	-	0-360

Pk - Peak detector

9.2. TRANSMITTER RADIATED EMISSIONS 30 TO 1000 MHz



HORIZONTAL



VERTICAL

DATA

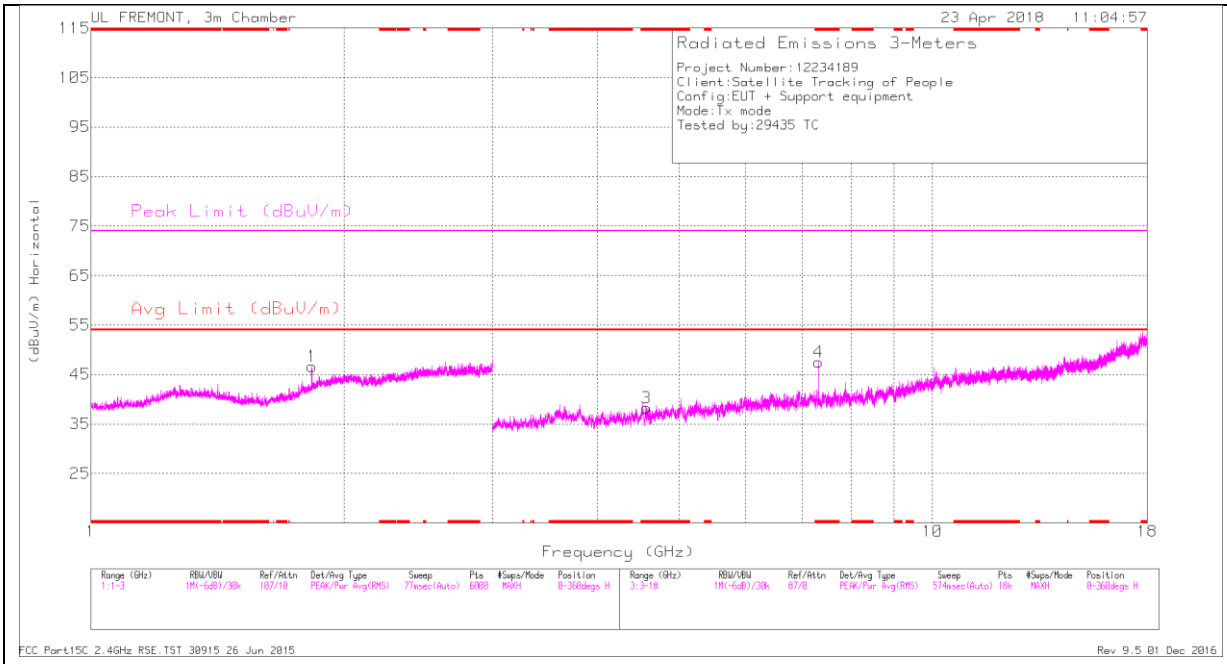
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T130 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 112.3863	39.1	Pk	17	-26.3	29.8	43.52	-13.72	0-360	300	H
5	* 37.567	37.46	Pk	19.7	-27.2	29.96	40	-10.04	0-360	100	V
6	43.9436	42.43	Pk	15	-27.1	30.33	40	-9.67	0-360	100	V
7	65.4117	39.84	Pk	12.1	-26.8	25.14	40	-14.86	0-360	100	V
1	65.7943	36.13	Pk	12.1	-26.8	21.43	40	-18.57	0-360	300	H
8	348.4193	36.49	Pk	18.2	-24.8	29.89	46.02	-16.13	0-360	200	V
3	348.5193	41.49	Pk	18.3	-24.8	34.99	46.02	-11.03	0-360	101	H

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

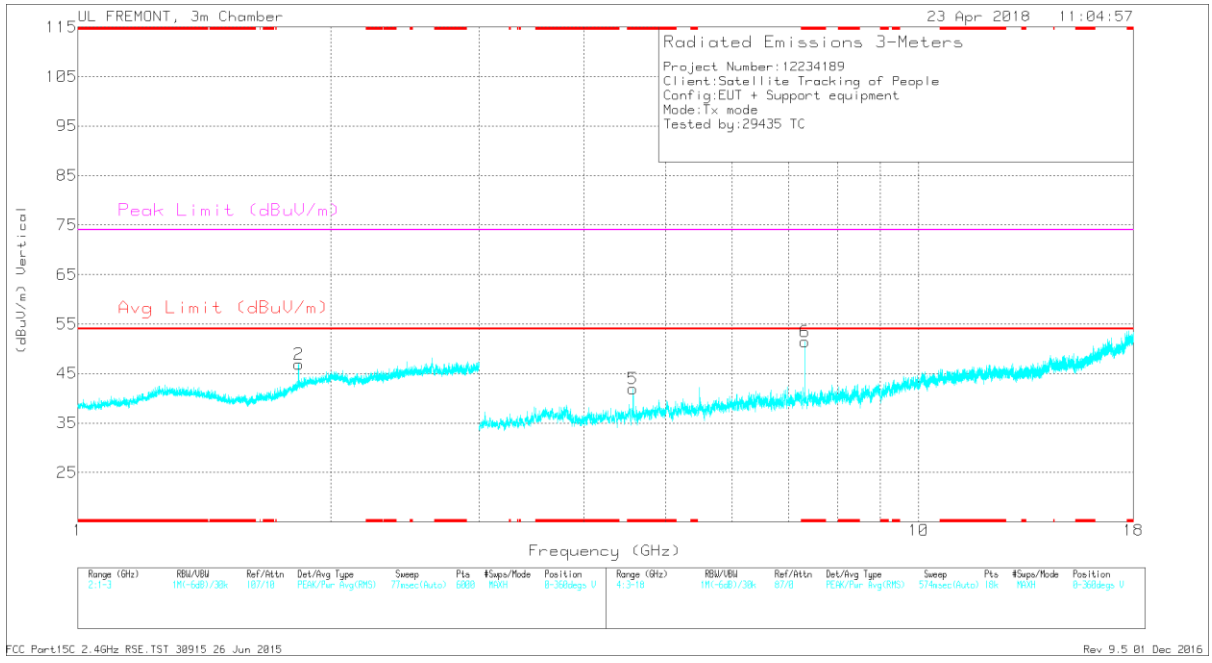
NOTE: Marker 9 & 4 are fundamental signals

9.3. TRANSMITTER RADIATED EMISSIONS 1 TO 18 GHz

HARMONICS AND SPURIOUS EMISSIONS WORST-CASE MID CHANNEL (915 MHz)



HORIZONTAL



VERTICAL

Radiated Emissions

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Fltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 4.574	39.58	PK2	34.1	-28	45.68	-	-	74	-28.32	84	101	H
	* 4.576	28.71	MAv1	34.1	-28.1	34.71	54	-19.29	-	-	84	101	H
4	* 7.319	42.06	PK2	35.7	-25.9	51.86	-	-	74	-22.14	2	217	H
	* 7.319	34.54	MAv1	35.7	-25.9	44.34	54	-9.66	-	-	2	217	H
5	* 4.576	42.29	PK2	34.1	-28.1	48.29	-	-	74	-25.71	30	277	V
	* 4.576	33.85	MAv1	34.1	-28.1	39.85	54	-14.15	-	-	30	277	V
6	* 7.319	44.81	PK2	35.7	-25.9	54.61	-	-	74	-19.39	3	234	V
	* 7.319	38.65	MAv1	35.7	-25.9	48.45	54	-5.55	-	-	3	234	V
1	1.83	44.13	PK2	30.7	-21.4	53.43	-	-	-	-	320	349	H
	1.83	35.74	MAv1	30.7	-21.4	45.04	-	-	-	-	320	349	H
2	1.83	44.16	PK2	30.7	-21.4	53.46	-	-	-	-	171	212	V
	1.83	36.41	MAv1	30.7	-21.4	45.71	-	-	-	-	171	212	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
PK2 - KDB558074 Method: Maximum Peak
MAv1 - KDB558074 Option 1 Maximum RMS Average

10. 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

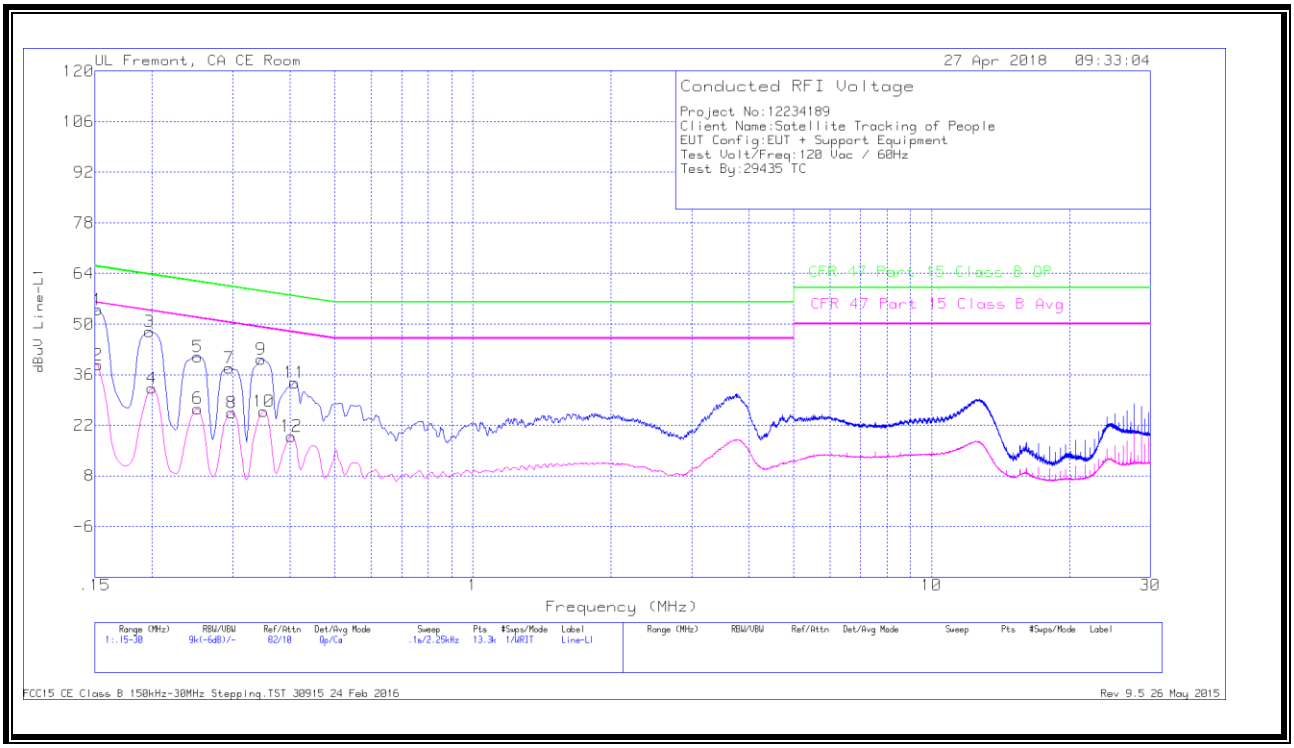
The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

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 Line 1 (HOT) and Line 2 (NEUTRAL).

RESULTS

LINE 1 RESULTS



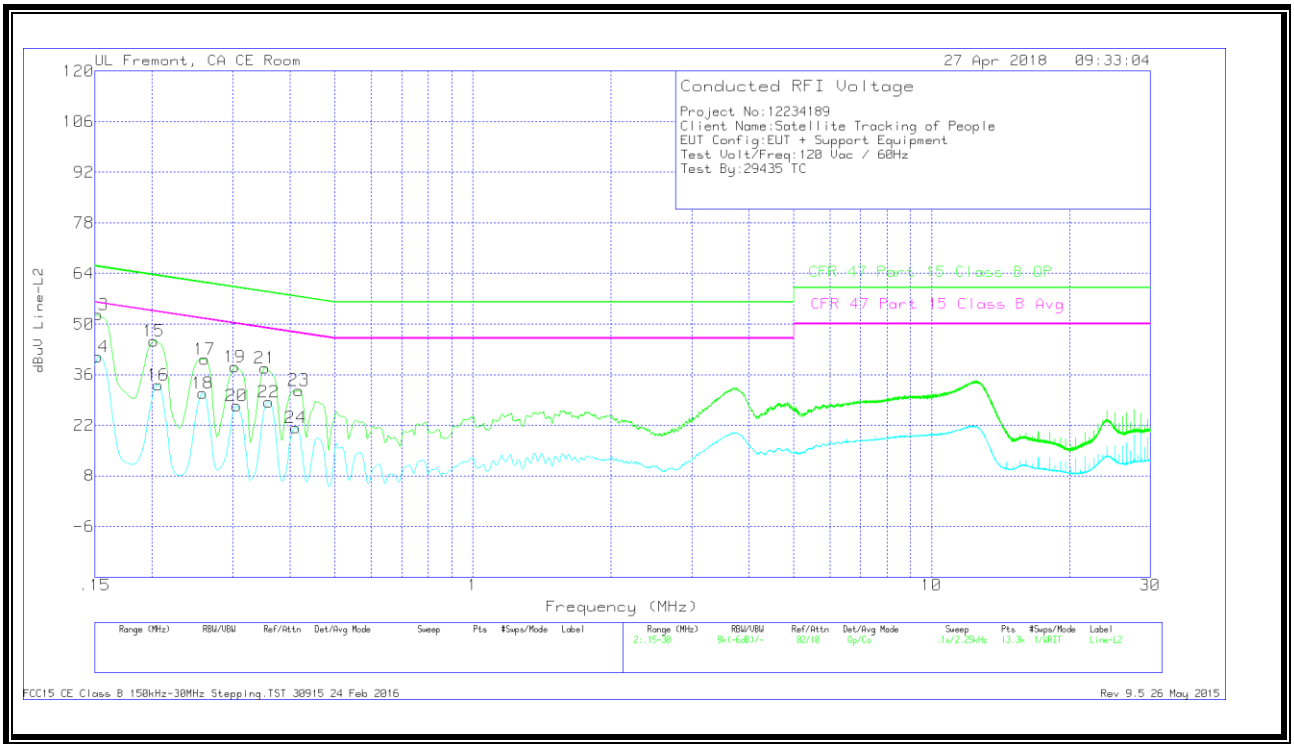
WORST EMISSIONS

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	43.76	Qp	.1	0	10.1	53.96	65.88	-11.92	-	-
2	.15225	28.51	Ca	.1	0	10.1	38.71	-	-	55.88	-17.17
3	.19725	37.8	Qp	0	0	10.1	47.9	63.73	-15.83	-	-
4	.1995	22.14	Ca	0	0	10.1	32.24	-	-	53.63	-21.39
5	.25125	30.83	Qp	0	0	10.1	40.93	61.72	-20.79	-	-
6	.25125	16.52	Ca	0	0	10.1	26.62	-	-	51.72	-25.1
7	.294	27.76	Qp	0	0	10.1	37.86	60.41	-22.55	-	-
8	.2985	15.4	Ca	0	0	10.1	25.5	-	-	50.28	-24.78
9	.34575	30.19	Qp	0	0	10.1	40.29	59.06	-18.77	-	-
10	.35025	15.69	Ca	0	0	10.1	25.79	-	-	48.96	-23.17
11	.40875	23.65	Qp	0	0	10.1	33.75	57.67	-23.92	-	-
12	.402	8.87	Ca	0	0	10.1	18.97	-	-	47.81	-28.84

Qp - Quasi-Peak detector

Ca - CISPR average detection

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	.15225	42.47	Qp	0	0	10.1	52.57	65.88	-13.31	-	-
14	.15225	30.87	Ca	0	0	10.1	40.97	-	-	55.88	-14.91
15	.20175	35.19	Qp	0	0	10.1	45.29	63.54	-18.25	-	-
16	.20625	23.07	Ca	0	0	10.1	33.17	-	-	53.35	-20.18
17	.26025	30.16	Qp	0	0	10.1	40.26	61.42	-21.16	-	-
18	.258	20.74	Ca	0	0	10.1	30.84	-	-	51.5	-20.66
19	.303	28.05	Qp	0	0	10.1	38.15	60.16	-22.01	-	-
20	.30525	17.32	Ca	0	0	10.1	27.42	-	-	50.1	-22.68
21	.3525	27.76	Qp	0	0	10.1	37.86	58.9	-21.04	-	-
22	.35925	18.29	Ca	0	0	10.1	28.39	-	-	48.75	-20.36
23	.41775	21.56	Qp	0	0	10.1	31.66	57.49	-25.83	-	-
24	.411	11.19	Ca	0	0	10.1	21.29	-	-	47.63	-26.34

Qp - Quasi-Peak detector

Ca - CISPR average detection