CERTIFICATION TEST REPORT

REPORT NUMBER : 12097277-E7V1

APPLICANT : SONY MOBILE COMMUNICATIONS INC.
4-12-3 HIGASHI-SHINAGAWA,
SHINAGAWA -KU,TOKYO, 140-0002, JAPAN

FCC ID : PY7-72474U

EUT DESCRIPTION : GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac & NFC

TEST STANDARD(S) : FCC 47 CFR PART 15 SUBPART C

Date Of Issue:

January 24, 2018

Prepared by:

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NVLAP TESTING
NVLAP LAB CODE 200065-0

Revision History

Ver.	Issue Date	Revisions	Revised By
V1	01/24/18	Initial Issue	Dan Coronia

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SONY MOBILE COMMUNICATIONS, INC.
4-12-3 HIGASHI-SHINAGAWA,
SHINAGAWA –KU, TOKYO, 140-0002, JAPAN

EUT DESCRIPTION: GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac & NFC

SERIAL NUMBER: BH90004MB2

DATE TESTED: JANUARY 02 - 09, 2018

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart C	Complies

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

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

Approved & Released For
UL Verification Services Inc. By:

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OPERATIONS LEADER
UL VERIFICATION SERVICES INC.

Prepared By:

KIYA KEDIDA
PROJECT ENGINEER
UL VERIFICATION SERVICES INC.

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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.

3. FACILITIES AND ACCREDITATION

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

47173 Benicia Street	47266 Benicia Street
☐ Chamber A (IC:2324B-1)	☐ Chamber D (IC:22541-1)
☐ Chamber B (IC:2324B-2)	☐ Chamber E (IC: 22541-2)
☒ Chamber C (IC:2324B-3)	☐ Chamber F (IC: 22541-3)
	☐ Chamber G (IC: 22541-4)
	☐ Chamber H (IC: 22541-5)

The above test sites and facilities are covered under FCC Test Firm Registration # 208313.
UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.
Chambers A through C are covered under Industry Canada company address code 2324B with site numbers 2324B -1 through 2324B-3, respectively. Chambers D through H are covered under Industry Canada company address code 22541 with site numbers 22541 -1 through 22541-5, respectively.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

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

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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	3.15 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	5.36 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.32 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.45 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.24 dB

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

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE Phone with BT, DTS/UNII a/b/g/n/ac & NFC

5.2. MAXIMUM FIELD STRENGTH

The testing was performed at 3 meters. The transmitter maximum E-field at 30 meter distance was 19.77dBuV/m, which was converted from the 3 meter data.

5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a loop antenna.

5.4. SOFTWARE AND FIRMWARE

The firmware installed in the EUT during testing was SONY, s_atp_1_00139_B_10_5.
The test utility software used during testing was Tera Term Ver 4.79.

5.5. WORST-CASE CONFIGURATION AND MODE

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

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

5.6. MODIFICATIONS

No modifications were made during testing.

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5.7. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
AC Adapter	SONY	1309-8864.1	VB17W46601037	NA
Headphones	SONY	N/A	N/A	N/A

I/O CABLES

I/O Cable List						
Cable No	**Port**	**# of identical ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	USB	1	USB Type-C	UnShielded	1.2	N/A
2	Jack	1	Headset	UnShielded	1	N/A
3	USB/Headphone Jack	1	USB Type-C/Audio	UnShielded	0.11	Audio & Charger Splitter

TEST SETUP

The EUT is setup as a standalone device. Test software exercised the radio card.

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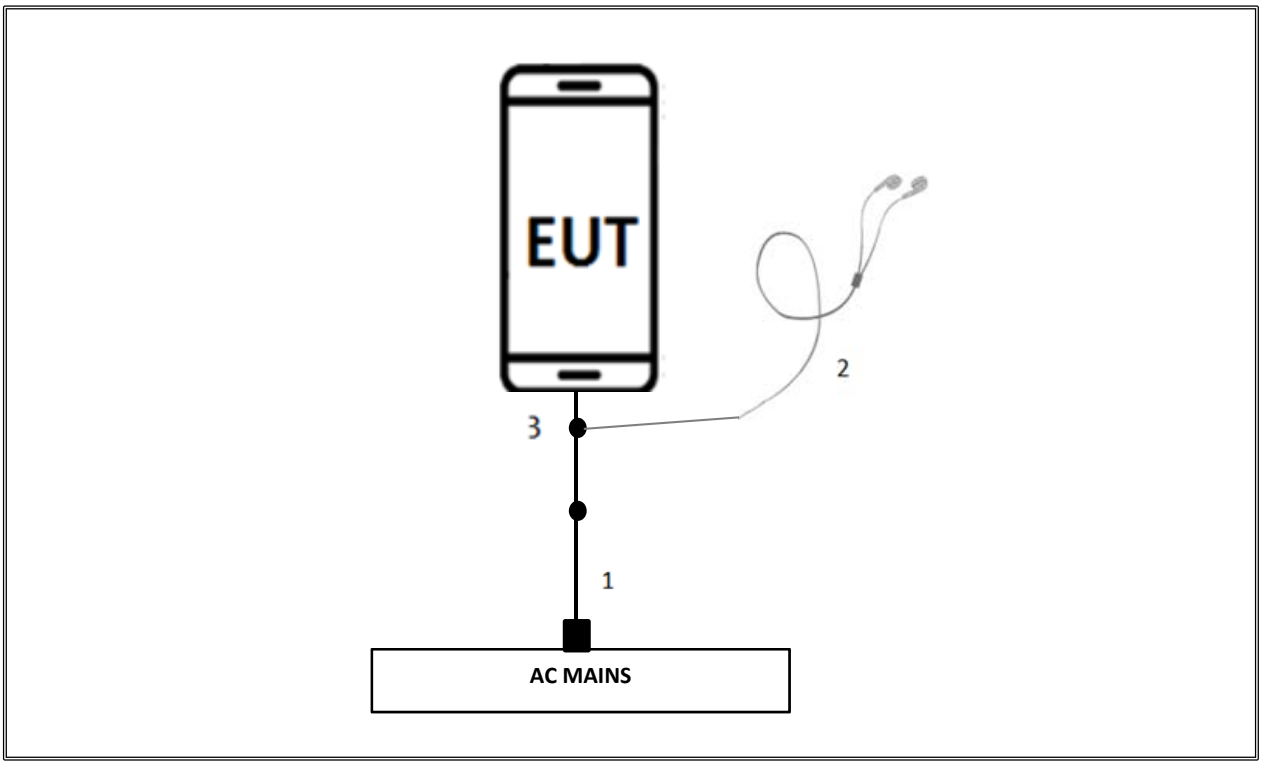
SETUP DIAGRAM FOR TESTS

RADIATED AND AC LINE CONDUCTED EMISSIONS SETUP DIAGRAM



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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, Broadband Hybrid, 30MHz to 2000MHz w/4dB Pad	Sunol Sciences Corp.	JB1	T243	11/02/2018
Antenna, Active Loop 9kHz-30MHz	Com-Power Corp.	AL-130R	T1866	10/11/2018
Amplifier, 10kHz-1GHz	Sonoma Instruments Co.	310N	T300	12/11/2018
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A	T341	11/12/2018
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A	T1210	07/17/2018
Temperature Chamber	Thermotron Industries	SE-600-10-10	T80	02/18/2018
EMI Test Receiver	Rohde & Schwarz	ESR	T1436	01/18/2018
LISN	Fischer Custom Communications	FCC-LISN-50/250-25-2-01	T1310	06/08/2018
Transient Limiter	COM-POWER	LIT-930	T1457	02/24/18

Test Software List			
Description	**Manufacturer**	**Model**	**Version**
Antenna Port Software	UL	UL EMC	Ver 7.7, Dec 14, 2017
Conducted Software	UL	UL EMC	Ver 9.5, May 26, 2015
Radiated Emissions Software	UL	UL EMC	Ver 9.5, Dec 01, 2016

NOTE: *testing was completed before equipment calibration expiration date.

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7. OCCUPIED BANDWIDTH

LIMITS

For reporting purposes only. Tested per ANSI C63.10 (6.9.3)

RESULTS

ID:	29435 TC	Date:	1/09/18

Frequency (MHz)	Modulation	Data Rate (kbps)	99% Bandwidth (kHz)	20dB Bandwidth (kHz)
13.56	Type A	106	23.051	23.060
		212	20.744	23.230
		424	20.317	22.730
		848	19.423	22.850
	Type B	106	21.215	23.280
		212	20.127	22.000
		424	19.632	22.490
		848	19.489	22.370
	Type F	212	19.373	22.830
		424	19.332	22.780

Note: Measured signal is CW 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.

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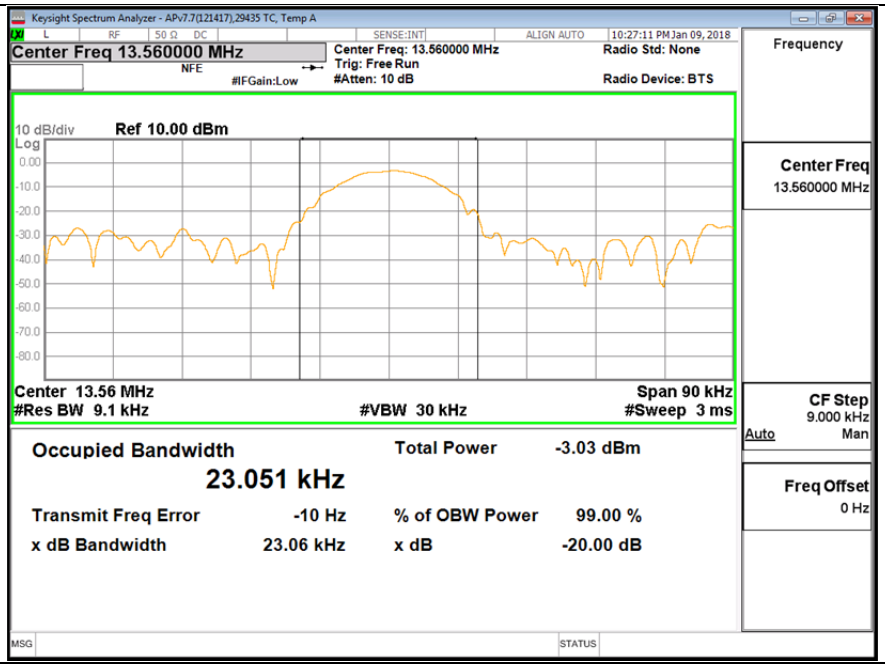
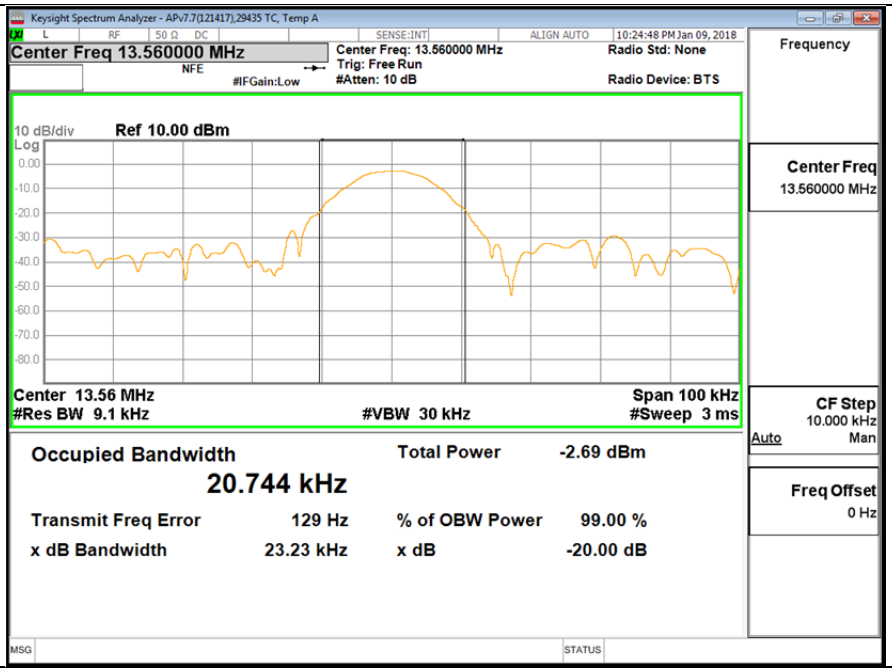
99% & 20dB Bandwidth

99% & 20dB BANDWIDTH TYPE A 106k



99% & 20dB BANDWIDTH TYPE A 212k



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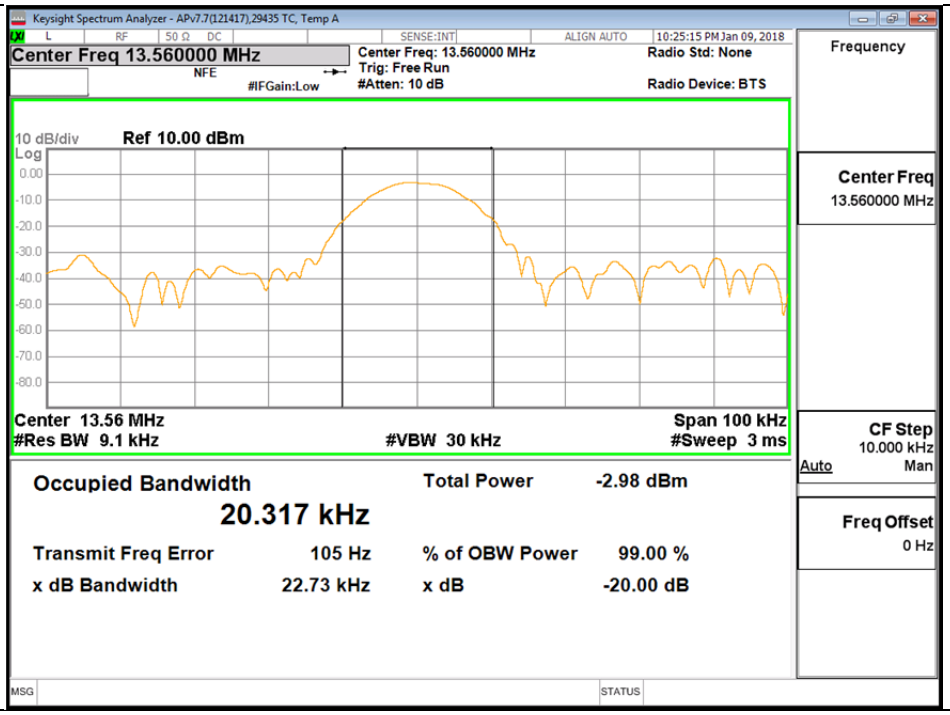
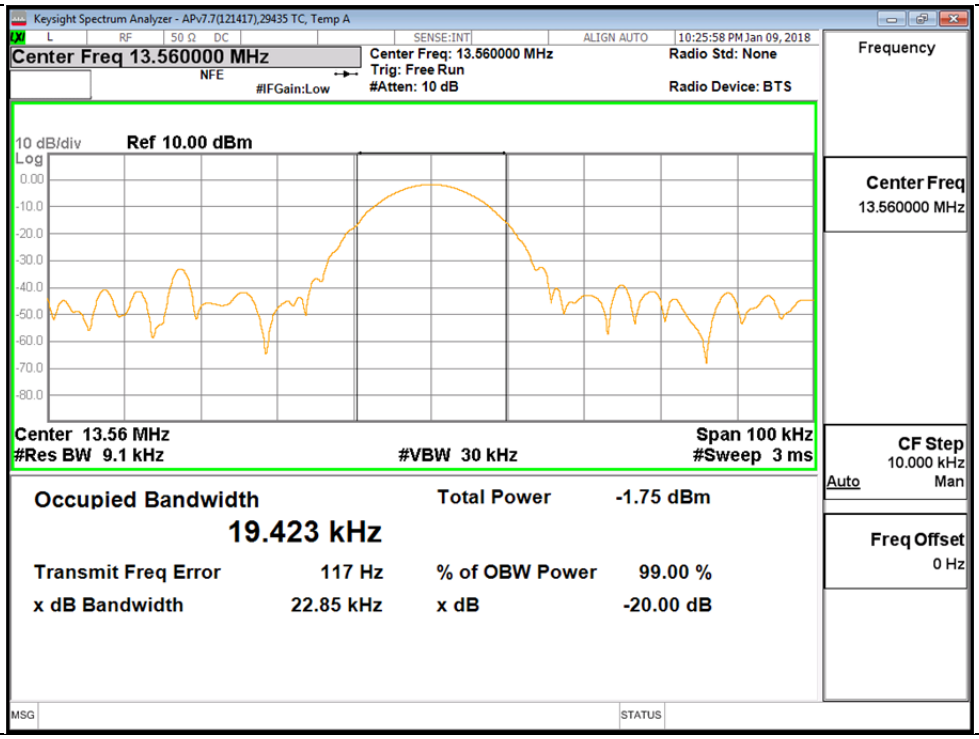
99% & 20dB BANDWIDTH TYPE A 424k



99% & 20dB BANDWIDTH TYPE A 848k



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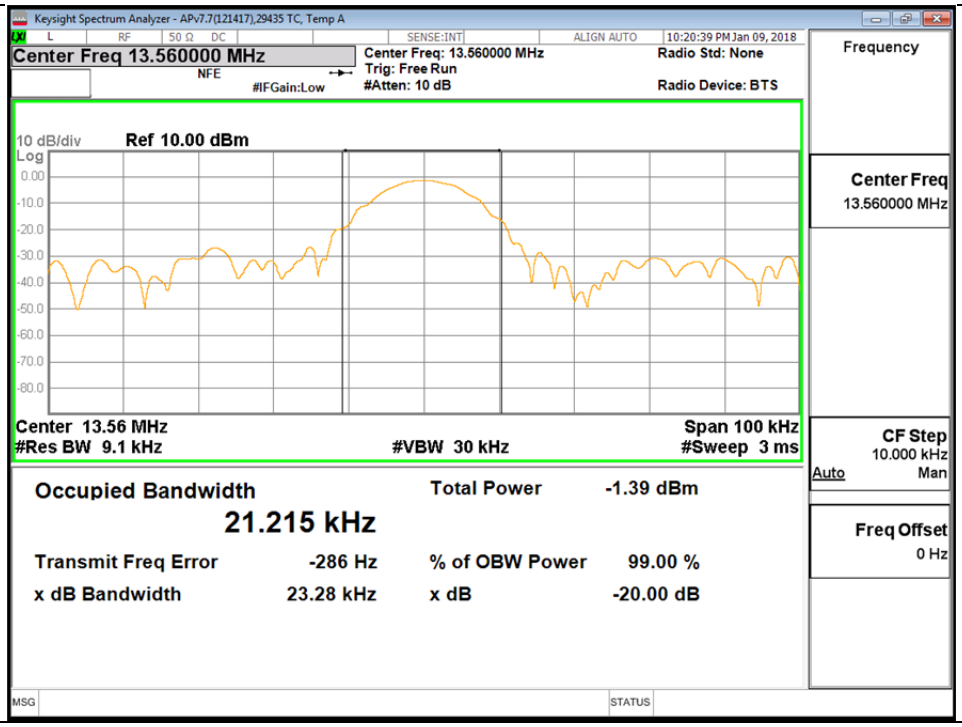
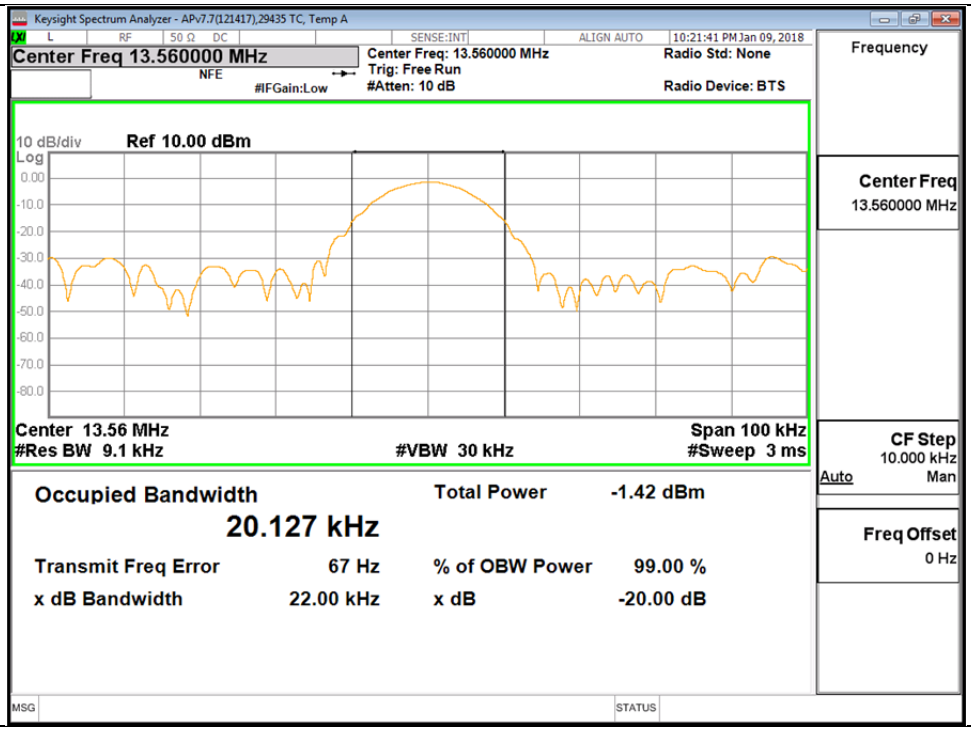
99% & 20dB BANDWIDTH TYPE B 106k



99% & 20dB BANDWIDTH TYPE B 212k



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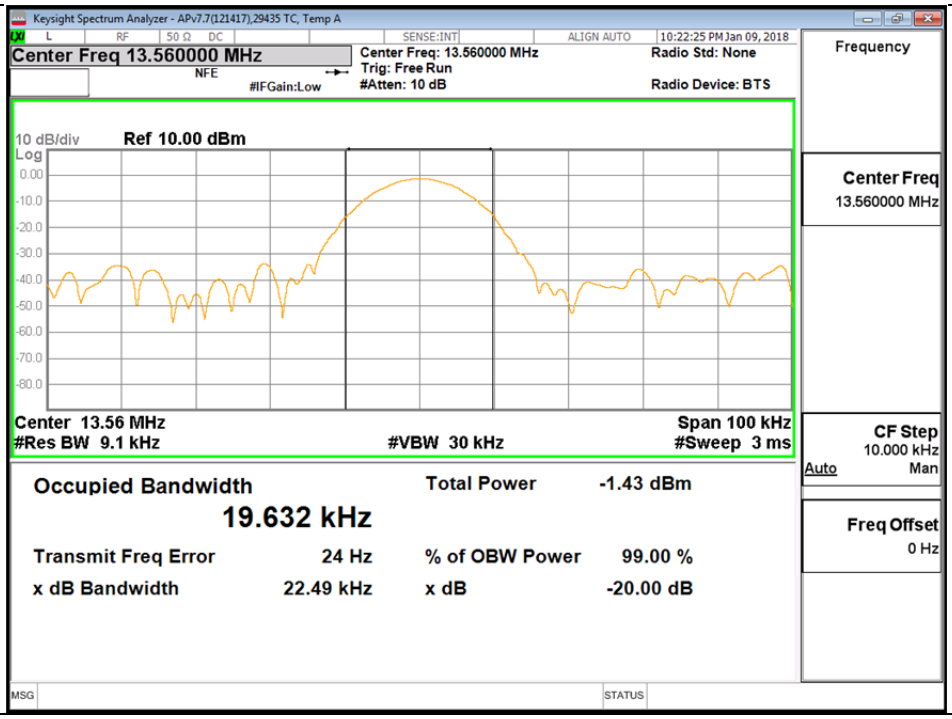
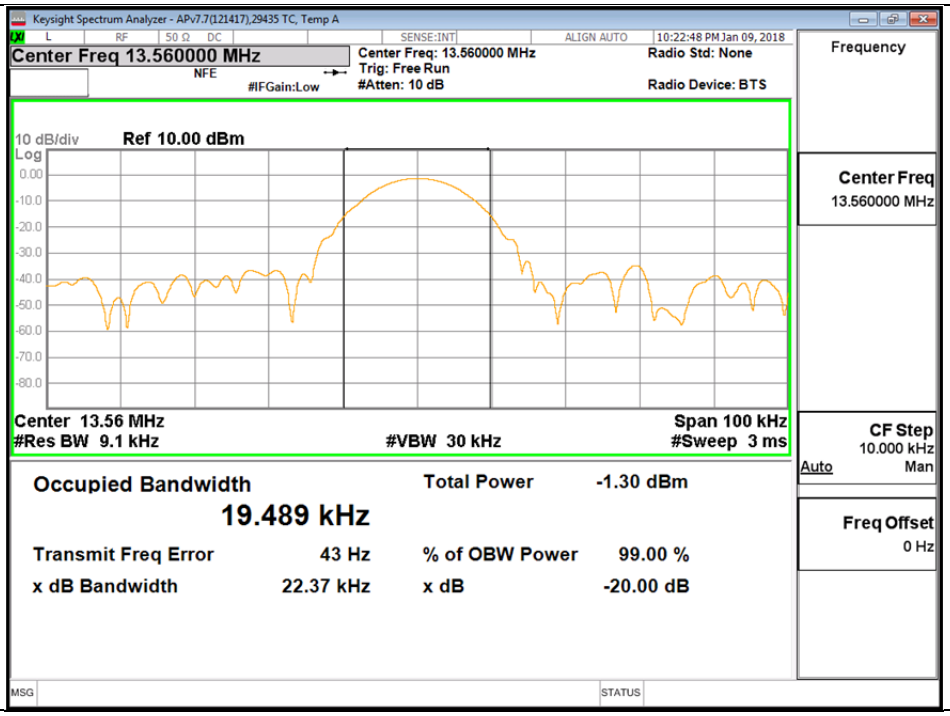
99% & 20dB BANDWIDTH TYPE B 424k



99% & 20dB BANDWIDTH TYPE B 848k



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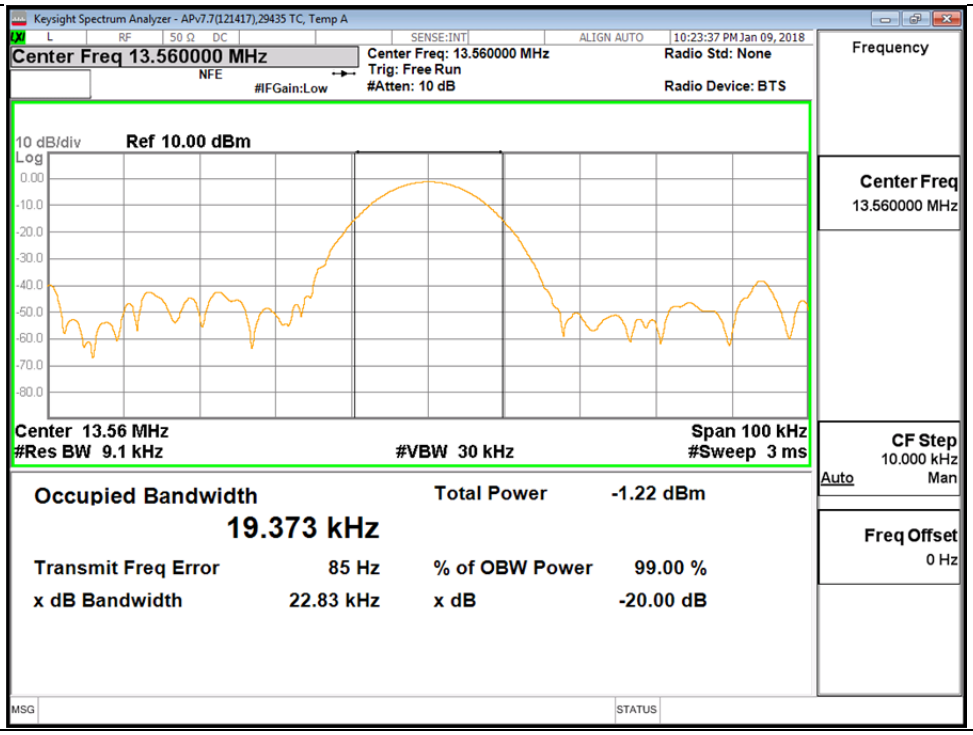
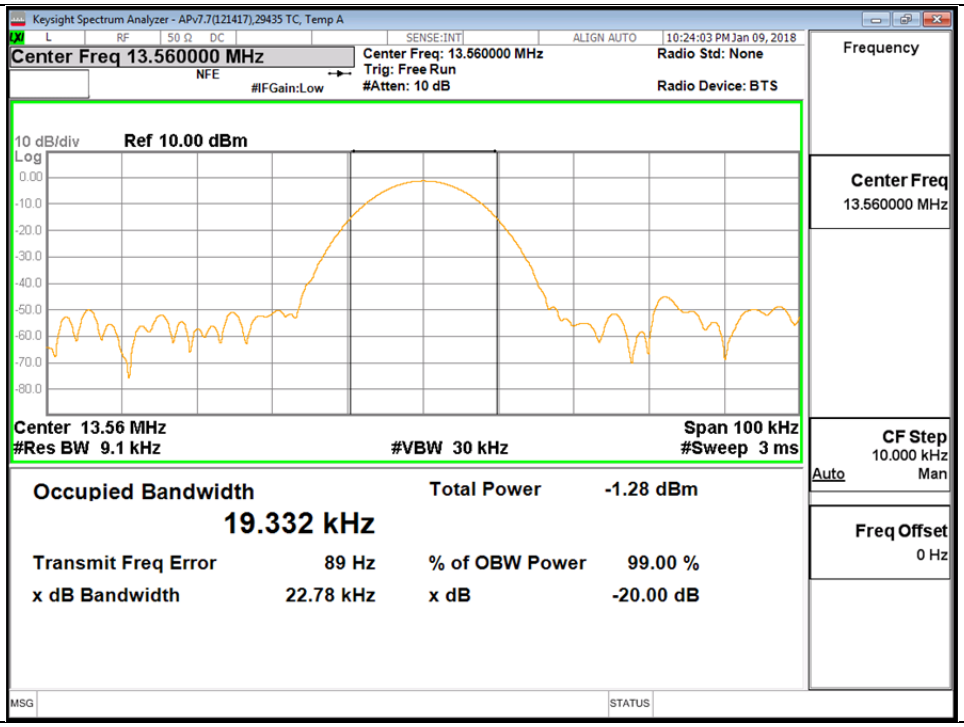
99% & 20dB BANDWIDTH TYPE F 212k



99% & 20dB BANDWIDTH TYPE F 424k



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8. RADIATED EMISSION TEST RESULTS

8.1. LIMITS AND PROCEDURE

LIMIT

§15.225, 15.209

(a) The field strength of any emissions within the band 13.553–13.567 MHz shall not exceed 15,848 microvolts/ meter at 30 meters.

(b) Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

(c) Within the bands 13.110–13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

(d) The field strength of any emissions appearing outside of the 13.110– 14.010 MHz and shall not exceed the general radiated emission limits in § 15.209 as follows:
§15.209 (a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Limits for radiated disturbance of an intentional radiator		
Frequency range (MHz)	Limits (µV/m)	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 - 216	150**	3
216 – 960	200**	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g. §§ 15.231 and 15.241.
§15.209 (b) In the emission table above, the tighter limit applies at the band edges.

Formula for converting the filed strength from uV/m to dBuV/m is:
Limit (dBuV/m) = 20 log limit (uV/m)
In addition:

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§15.209 (d) The emission limits shown at the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

§15.209 (d) The provisions in §§ 15.225, measuring emissions at distances other than the distances specified in the above table, determining the frequency range over which radiated emissions are to be measured, and limiting peak emissions apply to all devices operated under this part.

TEST PROCEDURE

ANSI C63.10-2013

The EUT is an intentional radiator that incorporates a digital device. The highest fundamental frequency generated or used in the device is 13.56 MHz. The frequency range was investigated from 0.15 MHz to the 10th harmonic of the highest fundamental frequency, or 1000 MHz, whichever is greater (1000MHz)

RESULTS

No non-compliance noted:

KDB 414788 OATS and Chamber Correlation Justification

Device is a Smart Phone.

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.

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

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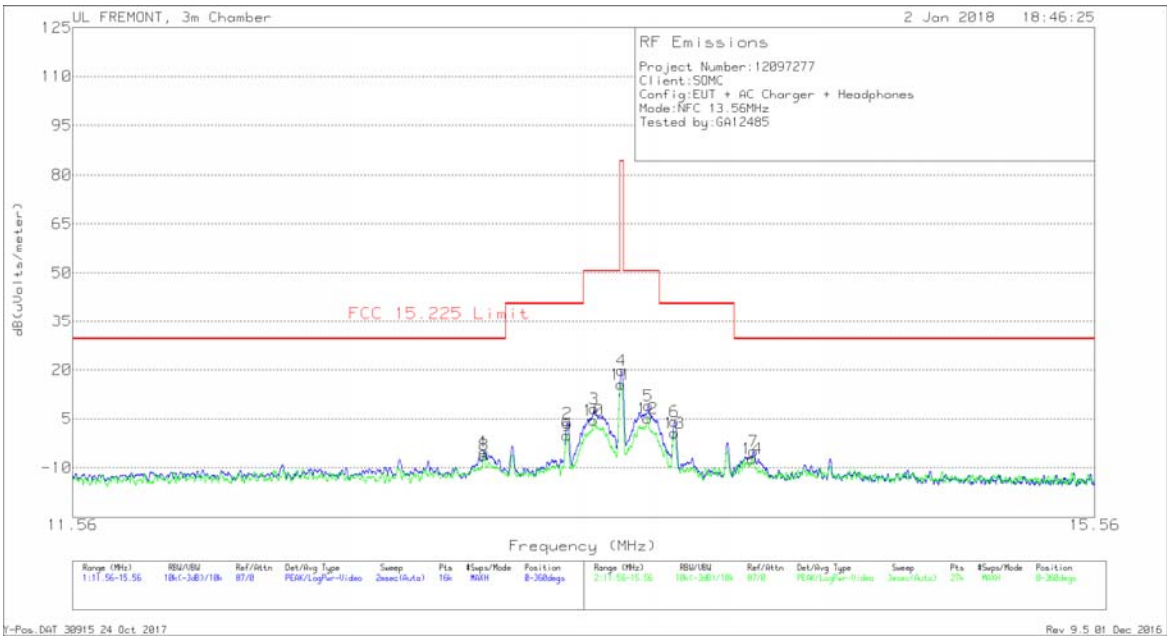
8.1.1. FUNDAMENTAL EMISSION MASK (11.56 – 15.56MHz)

FUNDAMENTAL Type A, 106k



Note: All data rate Field Strength was investigated and Type A, 106k found to have the highest Field Strength results and represents as the worst case data rate.

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Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Loop Antenna (dB/m)	Cbl (dB)	Dist Corr 30m	Corrected Reading dB(uVolts/meter)	FCC 15.225 Limit	PK Margin (dB)	Azimuth (Degs)	Polarity
8	13.02942	17.82	Pk	14.6	1.6	-40	-5.98	29.54	-35.52	0-360	Face-Off
1	13.03038	18.7	Pk	14.6	1.6	-40	-5.1	29.54	-34.64	0-360	Face-On
9	13.34673	23.72	Pk	14.6	1.6	-40	-.08	40.51	-40.59	0-360	Face-Off
2	13.348	27.47	Pk	14.6	1.6	-40	3.67	40.51	-36.84	0-360	Face-On
10	13.45114	28.29	Pk	14.6	1.6	-40	4.49	50.5	-46.01	0-360	Face-Off
3	13.45363	31.87	Pk	14.6	1.6	-40	8.07	50.5	-42.43	0-360	Face-On
11	*13.55807	39.52	Pk	14.5	1.6	-40	15.62	84	-68.38	0-360	Face-Off
4	*13.55963	43.67	Pk	14.5	1.6	-40	19.77	84	-64.23	0-360	Face-On
12	13.66389	29.02	Pk	14.5	1.6	-40	5.12	50.5	-45.38	0-360	Face-Off
5	13.666	32.86	Pk	14.5	1.6	-40	8.96	50.5	-41.54	0-360	Face-On
13	13.76942	24.56	Pk	14.5	1.6	-40	.66	40.51	-39.85	0-360	Face-Off
6	13.77163	28.02	Pk	14.5	1.6	-40	4.12	40.51	-36.39	0-360	Face-On
14	14.08451	16.73	Pk	14.5	1.6	-40	-7.17	29.54	-36.71	0-360	Face-Off
7	14.09038	18.98	Pk	14.5	1.6	-40	-4.92	29.54	-34.46	0-360	Face-On

* - Indicates fundamental frequency
Pk - Peak detector

Fundamental Frequency

11	*13.55807	39.52	Pk	14.5	1.6	-40	15.62	84	-68.38	0-360	Face-Off
4	*13.55963	43.67	Pk	14.5	1.6	-40	19.77	84	-64.23	0-360	Face-On

Pk - Peak detector

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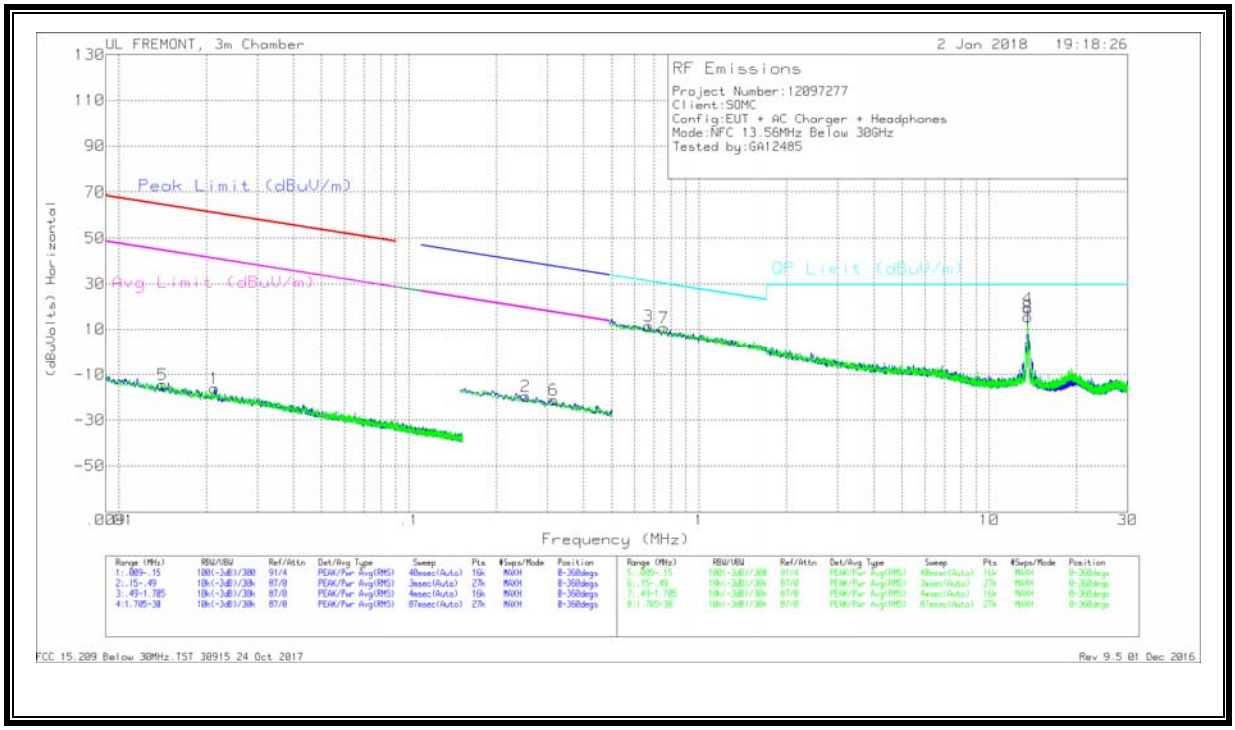
8.1.2. SPURIOUS EMISSIONS (0.09 – 30MHz)



Trace Markers

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)
5	.01415	48.89	Pk	15.3	1.4	-80	-14.41	64.57	-78.98	44.57	-58.98	-	-	-	-	0-360
1	.02131	47.82	Pk	14.8	1.4	-80	-15.98	61.01	-76.99	41.01	-56.99	-	-	-	-	0-360
2	.25249	45.22	Pk	13.8	1.5	-80	-19.48	-	-	-	-	39.57	-59.05	19.57	-39.05	0-360
6	.31511	43.52	Pk	13.8	1.5	-80	-21.18	-	-	-	-	37.64	-58.82	17.64	-38.82	0-360

Pk - Peak detector

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)	Azimuth (Degs)
3	.66871	36.13	Pk	14	1.5	-40	11.63	31.11	-19.48	0-360
7	.75653	35.36	Pk	14	1.5	-40	10.86	30.04	-19.18	0-360
4	13.55945	43.04	Pk	14.5	1.6	-40	19.14	29.5	-10.36	0-360
8	13.55945	39.41	Pk	14.5	1.6	-40	15.51	29.5	-13.99	0-360

Pk - Peak detector
FCC 15.209 Below 30MHz.TST 30915 24 Oct 2017
Rev 9.5 01 Dec 2016

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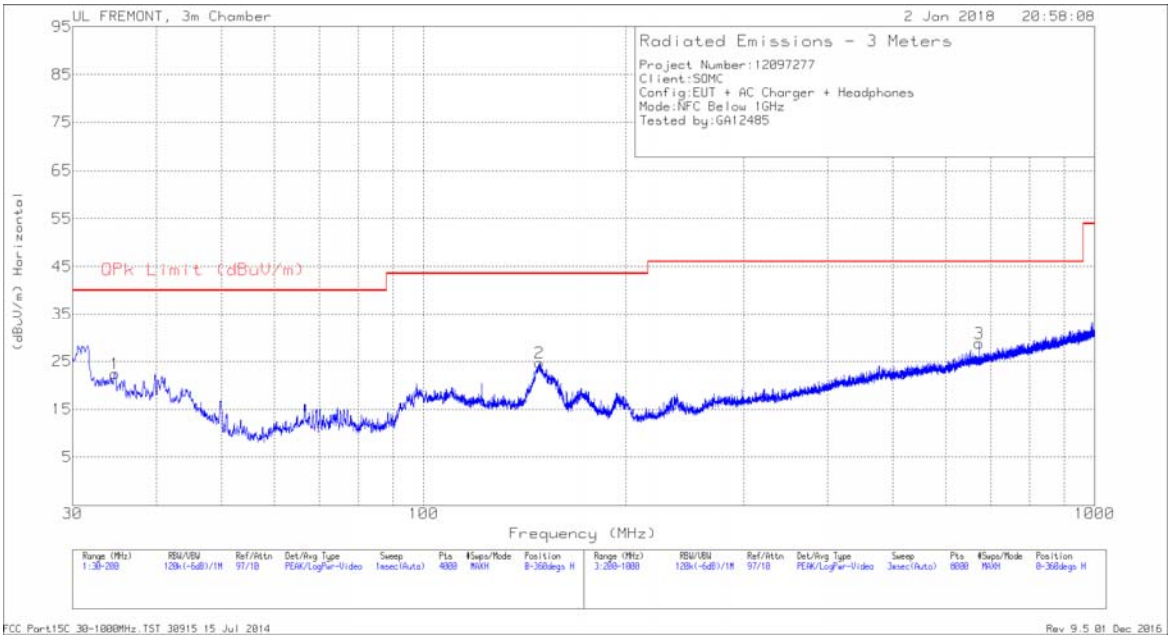
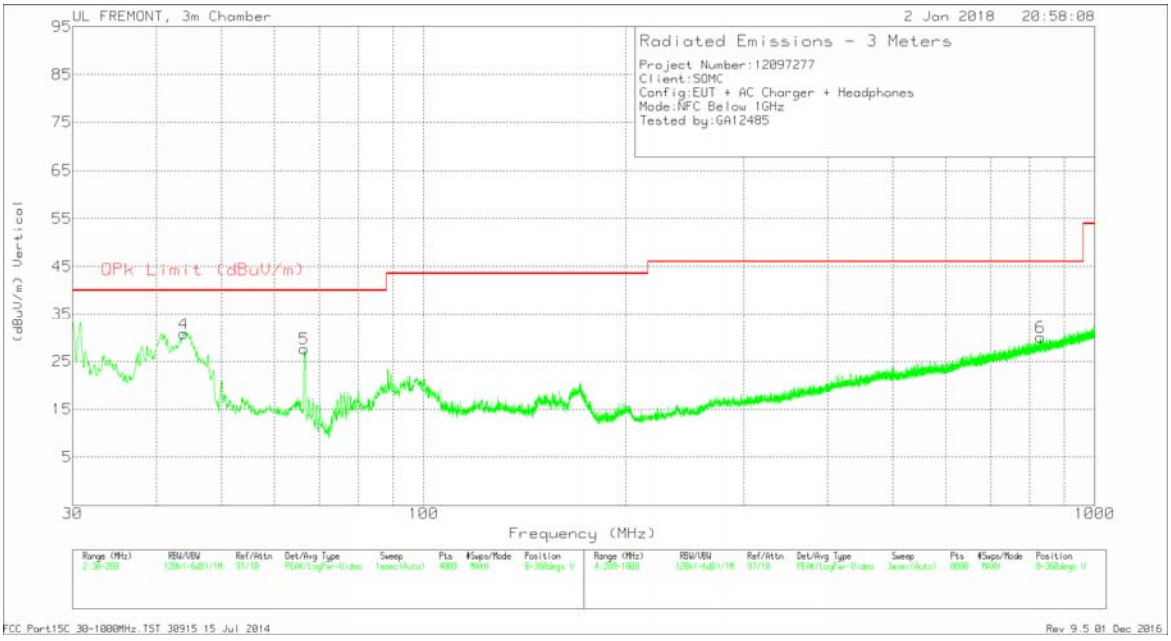
8.1.3. TX SPURIOUS EMISSIONS (30 – 1000MHz)

HORIZONTAL PLOT



VERTICAL PLOT



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Trace Markers

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	AF T243 (dB/m)	Amp/Cbl (dB/m)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	34.7187	31.84	Pk	21.6	-31	22.44	40	-17.56	0-360	400	H
4	43.9011	46.55	Pk	15.2	-30.9	30.85	40	-9.15	0-360	100	V
5	66.4319	46.18	Pk	12	-30.6	27.58	40	-12.42	0-360	100	V
2	148.7757	37.9	Pk	16.6	-29.8	24.7	43.52	-18.82	0-360	200	H
3	672.9615	32.02	Pk	23.8	-27.1	28.72	46.02	-17.3	0-360	300	H
6	831.082	30.68	Pk	25.8	-26.4	30.08	46.02	-15.94	0-360	100	V

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

UL VERIFICATION SERVICES INC. FORM NO: CCSUP4701I
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9. AC MAINS LINE CONDUCTED EMISSIONS

LIMITS

§15.207

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50µH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges.

Frequency range (MHz)	Limits (dBµV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
Notes: 1. The lower limit shall apply at the transition frequencies 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

TEST PROCEDURE

ANSI C63.10

RESULTS

No non-compliance noted.

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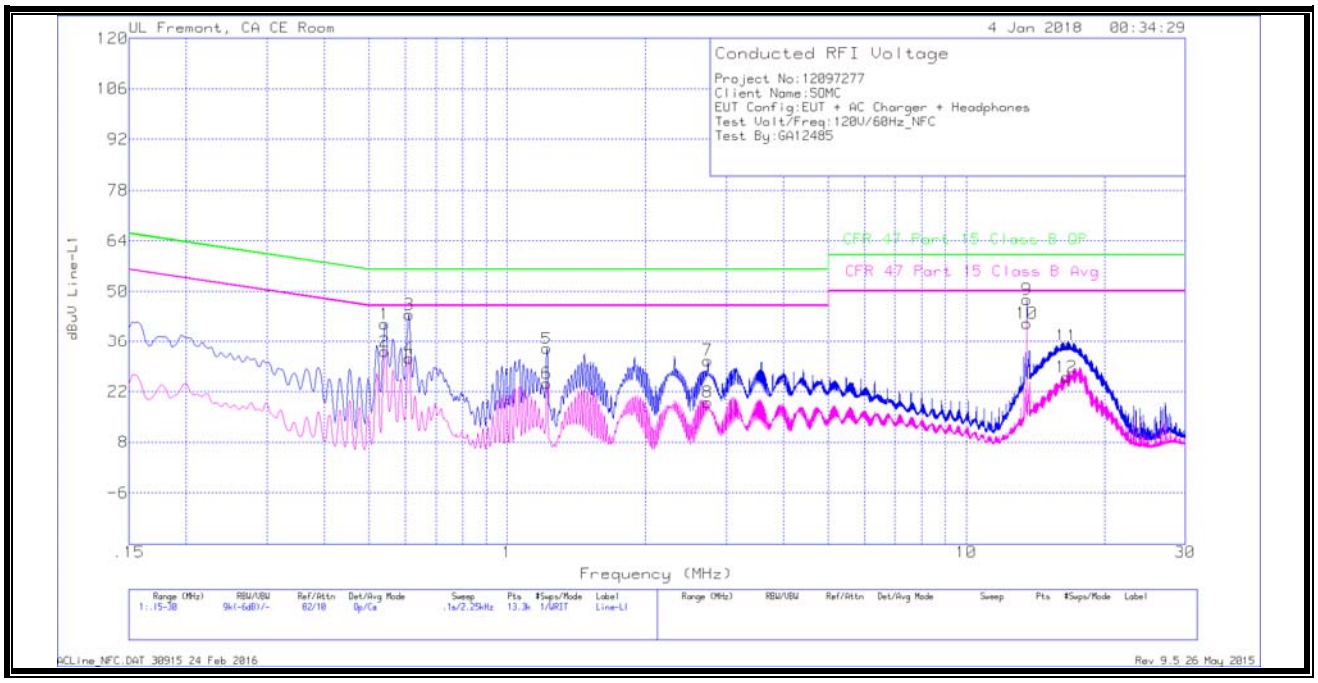
EUT WITH ANTENNA - LINE 1 RESULTS



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	.5415	30.85	Qp	0	0	10.1	40.95	56	-15.05	-	-
2	.5415	23.01	Ca	0	0	10.1	33.11	-	-	46	-12.89
3	.61125	33.4	Qp	0	0	10.1	43.5	56	-12.5	-	-
4	.61125	21.21	Ca	0	0	10.1	31.31	-	-	46	-14.69
5	1.221	23.78	Qp	0	.1	10.1	33.98	56	-22.02	-	-
6	1.221	14.04	Ca	0	.1	10.1	24.24	-	-	46	-21.76
7	2.733	20.42	Qp	0	.1	10.1	30.62	56	-25.38	-	-
8	2.733	8.85	Ca	0	.1	10.1	19.05	-	-	46	-26.95
9	13.56	37.17	Qp	.1	.2	10.2	47.67	60	-12.33	-	-
10	13.56	30.63	Ca	.1	.2	10.2	41.13	-	-	50	-8.87
11	16.539	24.21	Qp	0	.3	10.3	34.81	60	-25.19	-	-
12	16.53675	15.37	Ca	0	.3	10.3	25.97	-	-	50	-24.03

Pk - Peak detector
Av - Average detection
Note: Markers 9 and 10 are the 13.56MHz NFC Fundamental

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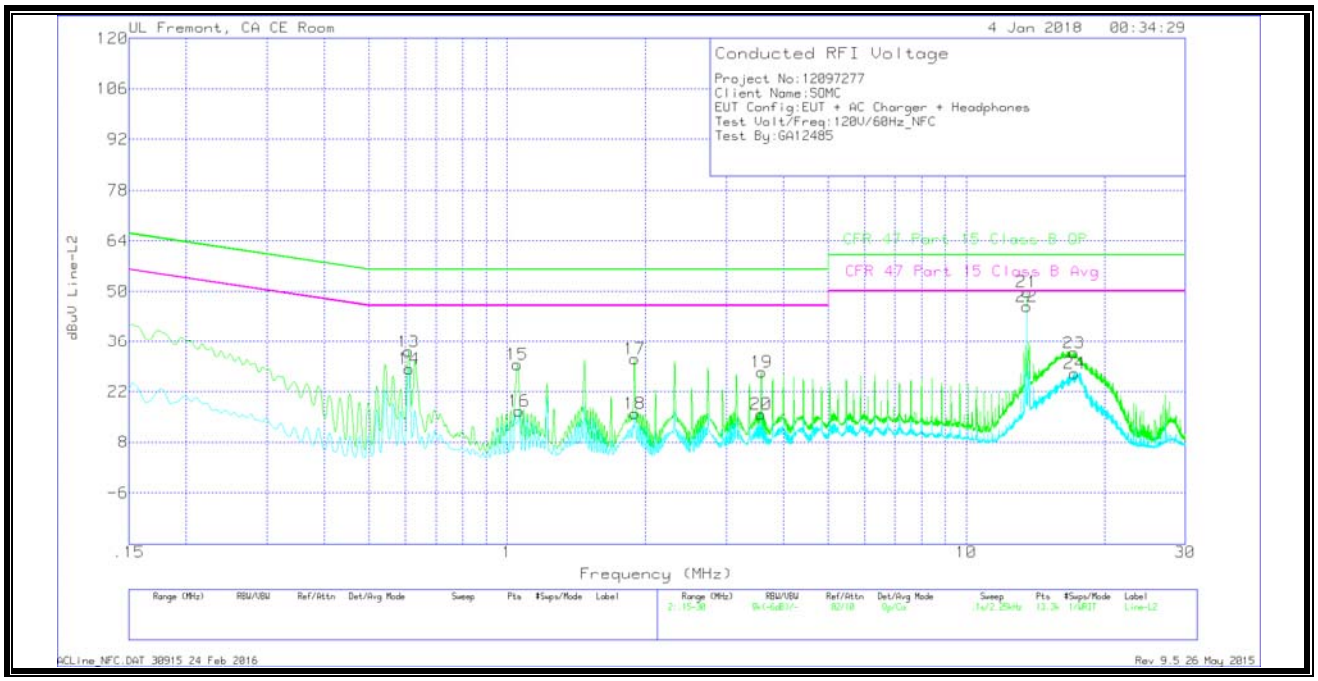
EUT WITH ANTENNA-LINE 2 RESULTS



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	.609	23.01	Qp	0	0	10.1	33.11	56	-22.89	-	-
14	.61125	18.13	Ca	0	0	10.1	28.23	-	-	46	-17.77
15	1.05225	19.36	Qp	0	.1	10.1	29.56	56	-26.44	-	-
16	1.06125	6.45	Ca	0	.1	10.1	16.65	-	-	46	-29.35
17	1.89375	20.82	Qp	0	.1	10.1	31.02	56	-24.98	-	-
18	1.89375	5.77	Ca	0	.1	10.1	15.97	-	-	46	-30.03
19	3.579	17.08	Qp	0	.1	10.2	27.38	56	-28.62	-	-
20	3.57675	5.44	Ca	0	.1	10.2	15.74	-	-	46	-30.26
21	13.56	39.28	Qp	.1	.2	10.2	49.78	60	-10.22	-	-
22	13.56	35.39	Ca	.1	.2	10.2	45.89	-	-	50	-4.11
23	17.1645	22.14	Qp	0	.3	10.3	32.74	60	-27.26	-	-
24	17.22975	16.51	Ca	0	.3	10.3	27.11	-	-	50	-22.89

Pk - Peak detector
Av - Average detection
Note: Markers 21 and 22 are the 13.56MHz NFC Fundamental

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10. FREQUENCY STABILITY

LIMIT

§15.225 (e) The frequency tolerance of the carrier signal shall be maintained within ±0.01% of the operating frequency, over a temperature variation of -10 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

TEST PROCEDURE

ANSI C63.10

RESULTS

ID:	GA12485	Date:	01/08/18

No non-compliance noted.

Reference Frequency: EUT Channel 13.56 MHz @ 20ºC Limit: ± 100 ppm = 1.356 kHz										
Power Supply	Envir. Temp	Frequency Deviation Measureed with Time Elapse								
(Vdc)	(ºC)	Startup (MHz)	Delta (ppm)	@ 2 mins (MHz)	Delta (ppm)	@ 5 mins (MHz)	Delta (ppm)	@ 10 mins (MHz)	Delta (ppm)	Limit (ppm)
3.80	50	13.5599910	-0.082	13.5599934	-0.259	13.5599959	-0.446	13.5599995	-0.706	± 100
3.80	40	13.5599886	0.093	13.5599878	0.158	13.5599877	0.164	13.5599881	0.135	± 100
3.80	30	13.5599346	4.077	13.5599940	-0.299	13.5599943	-0.324	13.5599946	-0.347	± 100
3.80	***20***	***13.5599899***	***0.000***	***13.5599881***	***0.131***	***13.5599877***	***0.166***	***13.5599874***	***0.182***	***± 100***
3.80	10	13.5599938	-0.286	13.5600002	-0.760	13.5600145	-1.812	13.5600347	-3.308	± 100
3.80	0	13.5600539	-4.722	13.5600616	-5.290	13.5600694	-5.859	13.5600761	-6.359	± 100
3.80	-10	13.5600931	-7.612	13.5600993	-8.065	13.5601058	-8.546	13.5601118	-8.988	± 100
3.23	20	13.5599910	-0.082	13.5599920	-0.156	13.5599914	-0.108	13.5599912	-0.099	± 100
4.37	20	13.5599912	-0.099	13.5599911	-0.092	13.5599909	-0.075	13.5599904	-0.040	± 100

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