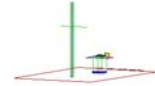




# PCTEST ENGINEERING LABORATORY, INC.

7185 Oakland Mills Road, Columbia, MD 21046 USA  
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<http://www.pctestlab.com>



## MEASUREMENT REPORT FCC Part 15.225 NFC

**Applicant Name:**  
LG Electronics MobileComm U.S.A  
1000 Sylvan Avenue  
Englewood Cliffs, NJ 07632  
United States

**Date of Testing:**  
7/24-8/15/2017  
**Test Site/Location:**  
PCTEST Lab, Columbia, MD, USA  
**Test Report Serial No.:**  
1M1707180223-10-R1.ZNF

<b>FCC ID:</b>	<b>ZNFLS998</b>
<b>APPLICANT:</b>	<b>LG Electronics MobileComm U.S.A</b>

**Application Type:** Class II Permissive Change  
**Model:** LGLS998  
**Additional Model(s):** LG-LS998, LS998, LG-AS998, LGA998, AS998  
**EUT Type:** Portable Handset  
**Frequency:** 13.56MHz  
**FCC Classification:** Low Power Communications Device Transmitter (DXX)  
**FCC Rule Part(s):** FCC Part 15 Subpart C (15.225)  
**Test Procedure(s):** ANSI C63.10-2013, KDB 648474 D03 v01r04  
**Class II Permissive Change:** Please see FCC change document

The device bearing the FCC Identifier specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and has been tested in accordance with the measurement procedures specified in ANSI C63.10-2013 (See Test Report). These measurements were performed with no deviation from the standards. Test results reported herein relate only to the item(s) tested.

This revised Test Report (S/N: 1M1707180223-10-R1.ZNF) supersedes and replaces the previously issued test report (S/N: 1M1707180223-10.ZNF) on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

I authorize and attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

*NVLAP accreditation does not constitute any product endorsement by NVLAP or any agency of the United States Government. This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.*



Randy Ortanez  
President

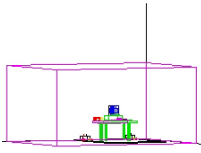


<b>FCC ID:</b> ZNFLS998		<b>FCC Pt. 15.225 MEASUREMENT REPORT (CLASS II PERMISSIVE CHANGE)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1M1707180223-10-R1.ZNF	<b>Test Date(s):</b> 7/24-8/15/2017	<b>EUT Type:</b> Portable Handset	Page 1 of 19	

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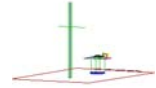
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# MEASUREMENT REPORT

## FCC Part 15.225



### § 2.1033 General Information

**APPLICANT:** LG Electronics MobileComm U.S.A

**APPLICANT ADDRESS:** 1000 Sylvan Avenue  
Englewood Cliffs, NJ 07632  
United States

**TEST SITE:** PCTEST ENGINEERING LABORATORY, INC.

**TEST SITE ADDRESS:** 7185 Oakland Mills Road, Columbia, MD 21046 USA

**FCC RULE PART(S):** Part 15 Subpart C (15.225)

**BASE MODEL:** LGLS998

**FCC ID:** ZNFLS998

**FCC CLASSIFICATION:** Low Power Communications Device Transmitter (DXX)

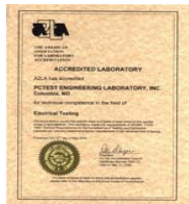
**Test Device Serial No.:** 01584, 01577       Production     Pre-Production     Engineering

**DATE(S) OF TEST:** 7/24-8/15/2017

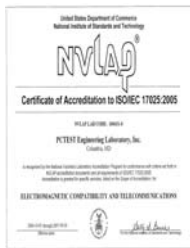
**TEST REPORT S/N:** 1M1707180223-10-R1.ZNF



### Test Facility / Accreditations

Measurements were performed at PCTEST Engineering Lab located in Columbia, MD 21046, U.S.A.



- PCTEST facility is an FCC registered (PCTEST Reg. No. 159966) test facility with the site description report on file and has met all the requirements specified in Section 2.948 of the FCC Rules and Industry Canada (2451B-1).
- PCTEST Lab is accredited to ISO 17025 by U.S. National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP Lab code: 100431-0) in EMC, FCC and Telecommunications.
- PCTEST Lab is accredited to ISO 17025-2005 by the American Association for Laboratory Accreditation (A2LA) in Specific Absorption Rate (SAR) testing, Hearing Aid Compatibility (HAC) testing, CTIA Test Plans, and wireless testing for FCC and Industry Canada Rules.
- PCTEST Lab is a recognized U.S. Conformity Assessment Body (CAB) in EMC and R&TTE (n.b. 0982) under the U.S.-EU Mutual Recognition Agreement (MRA).
- PCTEST TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC Guide 65 by the American National Standards Institute (ANSI) in all scopes of FCC Rules and Industry Canada Standards (RSS).
- PCTEST facility is an IC registered (2451B-1) test laboratory with the site description on file at Industry Canada.
- PCTEST is a CTIA Authorized Test Laboratory (CATL) for AMPS, CDMA, and EvDO wireless devices and for Over-the-Air (OTA) Antenna Performance testing for AMPS, CDMA, GSM, GPRS, EGPRS, UMTS (W-CDMA), CDMA 1xEVDO, and CDMA 1xRTT.



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# 1.0 INTRODUCTION

## 1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

## 1.2 PCTEST Test Location

The map below shows the location of the PCTEST LABORATORY, its proximity to the FCC Laboratory, the Columbia vicinity, the Baltimore-Washington Intern't'l (BWI) airport, the city of Baltimore and the Washington, DC area. (See Figure 1-1).

These measurement tests were conducted at the PCTEST Engineering Laboratory, Inc. facility located at 7185 Oakland Mills Road, Columbia, MD 21046. The site coordinates are 39° 10'23" N latitude and 76° 49'50" W longitude. The facility is 0.4 miles North of the FCC laboratory, and the ambient signal and ambient signal strength are approximately equal to those of the FCC laboratory. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4-2014 on January 22, 2015.

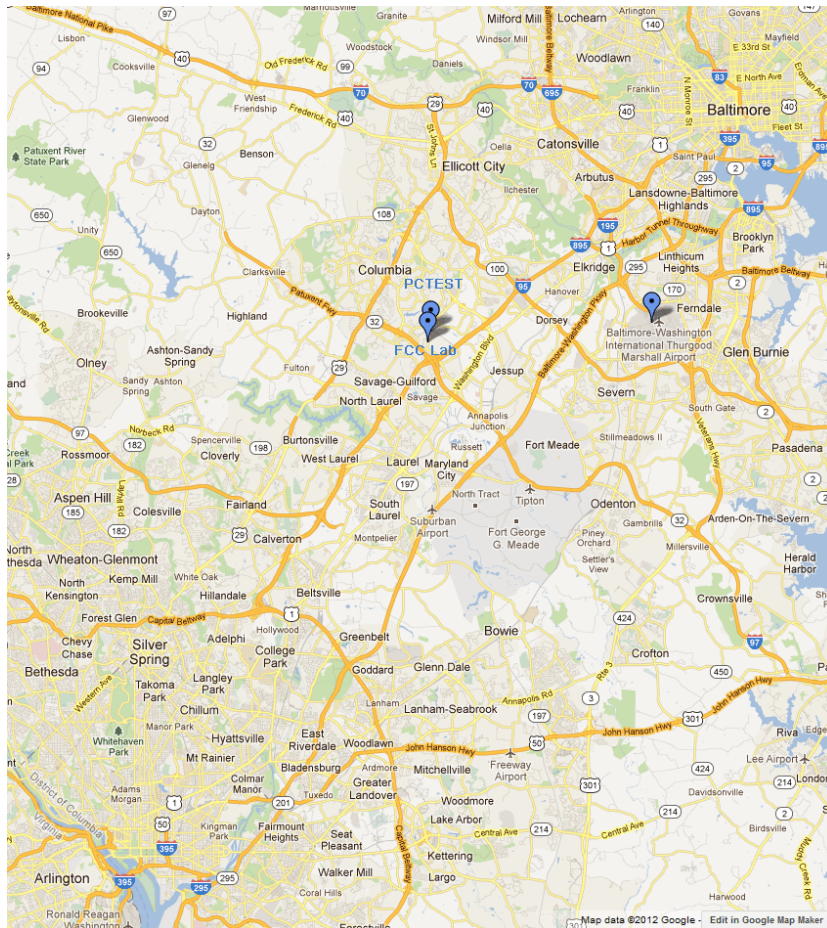


Figure 1-1. Map of the Greater Baltimore and Metropolitan Washington, D.C. area

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## 2.0 PRODUCT INFORMATION

### 2.1 Equipment Description

The Equipment Under Test (EUT) is the **LG Portable Handset FCC ID: ZNFLS998**. The test data contained in this report pertains only to the emissions due to the NFC transmitter of the EUT.

### 2.2 Device Capabilities

This device contains the following capabilities:

850/1900 CDMA/EvDO Rev0/A, 1x Advanced (BC0, BC1, BC10), 850/1900 GPRS/EDGE, 850/1700/1900 WCDMA/HSPA, Multi-band LTE, 802.11b/g/n WLAN, 802.11a/n/ac UNII, Bluetooth (1x, EDR, LE), NFC



### 2.3 Test Configuration

The EUT was set to continuously transmit at 13.56MHz. This was performed using manufacturer software loaded on the phone and a passive RFID tag to allow for continuous transmission. This device was tested in accordance with the guidance of ANSI C63.10-2013. See Sections 3.2 of this test report for a description of the radiated emissions test setups.

This device supports wireless charging capability and, thus, is subject to the test requirements of KDB 648474 D03 v01r04. Additional radiated spurious emission measurements were performed with the EUT lying flat on a certified wireless charging pad (WCP) while operating under normal conditions in a simulated call or data transmission configuration. The worst case radiated emissions data is shown in this report.

### 2.4 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and no modifications were made during testing.

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## 3.0 DESCRIPTION OF TEST

### 3.1 Evaluation Procedure

The measurement procedure described in the American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices (ANSI C63.10-2013) was used in the measurement of the EUT.

**Deviation from measurement procedure.....None**

### 3.2 Radiated Emissions



The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 in Clause 5 of ANSI C63.4-2014. A raised turntable is used for radiated measurement. It is a continuously rotatable, remote-controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. A 72.4cm high PVC support structure is placed on top of the turntable. A 3" (~7.6cm) sheet of high density polystyrene is used as the table top and is placed on top of the PVC supports to bring the total height of the table to 80cm. For measurements above 1GHz, a high density expanded polystyrene block is placed on top of the test table to bring the total table height to 1.5m.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up was placed on top of the 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, mode of operation, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions.

### 3.3 Environmental Conditions

The temperature is controlled within range of 15°C to 35°C. The relative humidity is controlled within range of 10% to 75%. The atmospheric pressure is monitored within the range 86-106kPa (860-1060mbar).

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## 4.0 ANTENNA REQUIREMENTS



**Excerpt from §15.203 of the FCC Rules/Regulations:**

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the EUT are **permanently attached**.
- This unit was tested with its standard battery.

**Conclusion:**



The EUT complies with the requirement of §15.203.

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## 5.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013. All measurement uncertainty values are shown with a coverage factor of  $k = 2$  to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the  $U_{CISPR}$  measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Contribution	Expanded Uncertainty ( $\pm$ dB)
Radiated Disturbance (<1GHz)	4.98

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## 6.0 TEST EQUIPMENT CALIBRATION DATA



Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurements antennas used during testing were calibrated in accordance to the requirements of ANSI C63.5-2006.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	RE1	Radiated Emissions Cable Set (UHF/EHF)	6/21/2017	Annual	6/21/2018	RE1
COM-Power	AL-130R	Active Loop Antenna	6/5/2017	Annual	6/5/2018	121085
Com-Power	PAM-103	Pre-Amplifier (1-1000MHz)	6/21/2017	Annual	6/21/2018	441119
PCTEST	-	EMC Switch System	6/21/2017	Annual	6/21/2018	NM1
PCTEST	-	EMC Switch System	6/21/2017	Annual	6/21/2018	NM2
Rohde & Schwarz	ESU26	EMI Test Receiver (26.5GHz)	4/19/2017	Annual	4/19/2018	100342
Rohde & Schwarz	ESU40	EMI Test Receiver (40GHz)	7/31/2017	Annual	7/31/2018	100348
Seekonk	NC-100	Torque Wrench 5/16", 8" lbs	3/2/2016	Biennial	3/2/2018	N/A
Sunol	JB5	Bi-Log Antenna (30M - 5GHz)	3/14/2016	Biennial	3/14/2018	A051107

**Table 6-1. Annual Test Equipment Calibration Schedule**

**Note:**

For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.

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## 7.0 TEST DATA

### 7.1 Summary



Company Name: LG Electronics MobileComm U.S.A  
 FCC ID: ZNFLS998  
 FCC Classification: Low Power Communications Device Transmitter (DXX)  
 Frequencies Examined: 13.56MHz

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.225 (a)(b)(c)	In-Band Emissions	15.848 $\mu$ V/m @ 30m 13.553 – 13.567 MHz  334 $\mu$ V/m @ 30m 13.410 – 13.553 MHz 13.567 – 13.710 MHz  106 $\mu$ V/m @ 30m 13.110 – 13.410 MHz 13.710 – 14.010 MHz	RADIATED	PASS	Section 7.2
15.225 (d) 15.209	Out-of-Band Emissions	Emissions outside of the specified band (13.110 – 14.010 MHz) must meet the radiated limits detailed in 15.209		PASS	Section 7.3

**Table 7-1. Summary of Test Results**

**Note:**

This unit was tested with its standard battery.

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## 7.2 In-Band Radiated Spurious Emission Measurements §15.225(a)(b)(c)

### Test Overview and Limit

The EUT was tested from 13.110 – 14.010 MHz. All in-band radiated spurious emissions are measured with a spectrum analyzer connected to a loop antenna while the EUT is operating at appropriate frequencies. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

***All in-band emissions appearing in a restricted band as specified in Section 15.225 of the Title 47 CFR must not exceed the limits shown in Table 7-2.***

Frequency [MHz]	Field Strength [ $\mu\text{V/m}$ ]	Measured Distance [Meters]
13.553-13.567 MHz	15,848	30
13.410-13.553 MHz and 13.567-13.710 MHz	334	30
13.110-13.410 MHz	106	30



**Table 7-2. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2013 – Section 6.4.7

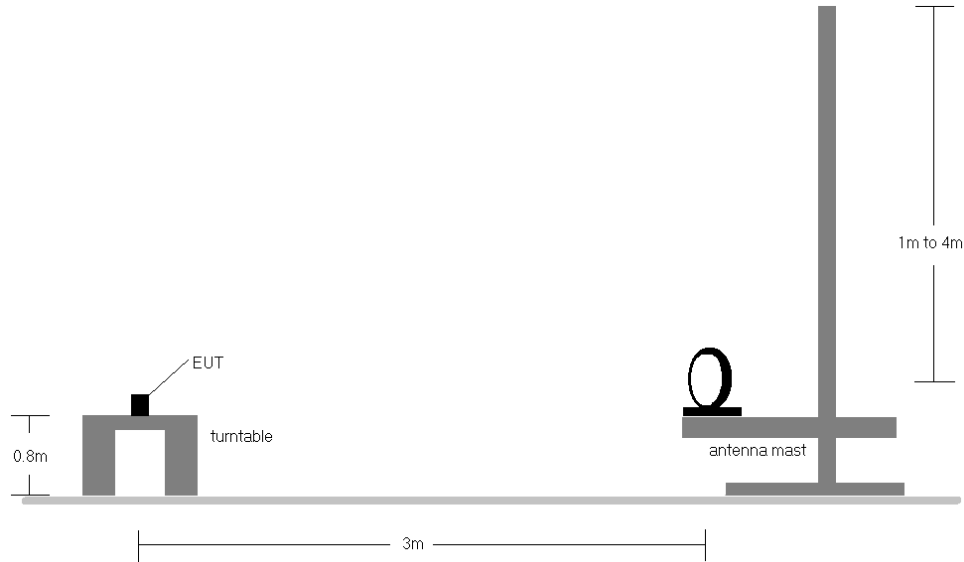
### Test Settings

1. RBW = 9kHz
2. VBW  $\geq$  3 x RBW
3. Detector = peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: ZNFLS998		FCC Pt. 15.225 MEASUREMENT REPORT (CLASS II PERMISSIVE CHANGE)		Approved by: Quality Manager
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### Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.





**Figure 7-1. Radiated Test Setup**

### Test Notes:

1. All emissions lying in restricted bands specified in §15.225 are below the limit shown in Table 7-2.
2. All measurements were performed using a loop antenna. The antenna was positioned in three orthogonal positions (X front, Y side, Z top) and the position with the highest emission level was recorded.
3. The EUT was positioned in three orthogonal planes to determine the orientation resulting in the worst case emissions.
4. Measurements were performed at 3m and the data was extrapolated to the specified measurement distance of 30m using the square of an inverse linear distance extrapolation factor (40 dB/decade) as specified in §15.31(f)(2). Extrapolation Factor =  $20 \log_{10}(30/3)^2 = 40\text{dB}$ .
5. The spectrum was investigated from 9kHz up to 30MHz using the loop antenna. Only the emissions shown in the table below were found to be significant.
6. All measurements were recorded using a spectrum analyzer employing a quasi-peak detector.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

### Sample Calculation

- Field Strength Level  $[\text{dB}\mu\text{V}/\text{m}] = \text{Analyzer Level} [\text{dBm}] + 107 + \text{AFCL} [\text{dB}/\text{m}]$
- $\text{AFCL} [\text{dB}/\text{m}] = \text{Antenna Factor} [\text{dB}/\text{m}] + \text{Cable Loss} [\text{dB}]$
- $\text{Margin} [\text{dB}] = \text{Field Strength Level} [\text{dB}\mu\text{V}/\text{m}] - \text{Limit} [\text{dB}\mu\text{V}/\text{m}]$

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## In-Band Radiated Spurious Emission Measurements §15.225(a)(b)(c)

Frequency: 13.56MHz



Measurement Distance: 3 Meters

Frequency [MHz]	Antenna Position	Antenna Height [cm]	Turntable Azimuth [degree]	Level [dBm]	AFCL [dB/m]	3m Field Strength [dBµV/m]	30m Field Strength [dBµV/m]	Limit [µV/m]	Limit [dBµV/m]	Margin [dB]
13.345	X	112	200	-79.94	-21.63	5.43	-34.57	106.00	40.51	-75.07
13.403	X	112	200	-80.51	-21.64	4.85	-35.15	106.00	40.51	-75.65
13.454	X	112	200	-77.94	-21.65	7.41	-32.59	334.00	50.47	-83.06
13.560	X	112	200	-69.46	-21.67	15.87	-24.13	15848.00	84.00	-108.12
13.666	X	112	200	-77.76	-21.68	7.56	-32.44	334.00	50.47	-82.92
13.773	X	112	200	-79.82	-21.70	5.48	-34.52	106.00	40.51	-75.03
13.822	X	112	200	-80.54	-21.71	4.75	-35.25	106.00	40.51	-75.76

**Table 7-3. In-Band Radiated Measurements**

Frequency [MHz]	Antenna Position	Antenna Height [cm]	Turntable Azimuth [degree]	Level [dBm]	AFCL [dB/m]	3m Field Strength [dBµV/m]	30m Field Strength [dBµV/m]	Limit [µV/m]	Limit [dBµV/m]	Margin [dB]
13.292	X	111	211	-80.84	-21.62	4.54	-35.46	106.00	40.51	-75.96
13.343	X	111	211	-80.39	-21.63	4.98	-35.02	106.00	40.51	-75.52
13.454	X	111	211	-78.25	-21.65	7.10	-32.90	334.00	50.47	-83.37
13.560	X	111	211	-69.35	-21.67	15.98	-24.02	15848.00	84.00	-108.01
13.666	X	111	211	-78.37	-21.68	6.95	-33.05	334.00	50.47	-83.53
13.773	X	111	211	-80.73	-21.70	4.57	-35.43	106.00	40.51	-75.94
13.822	X	111	211	-80.39	-21.71	4.90	-35.10	106.00	40.51	-75.61

**Table 7-4. In-Band Radiated Measurements with WCP**

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### 7.3 Radiated Spurious Emission Measurements, Out-of-Band §15.209 §15.225(d)

#### Test Overview and Limit

The EUT was tested from 9kHz up to the 1GHz excluding the band 13.110 – 14.010 MHz. All measurements up to 960MHz were recorded with a spectrum analyzer employing a quasi-peak detector.

*All out-of-band emissions appearing in a restricted band as specified in Section 15.225 of the Title 47 CFR must not exceed the limits shown in Table 7-5 per Section 15.209.*

Frequency	Field Strength [ $\mu$ V/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3



**Table 7-5. Radiated Limits – Out of band**

#### Test Procedures Used

ANSI C63.10-2013 – Section 6.5.4

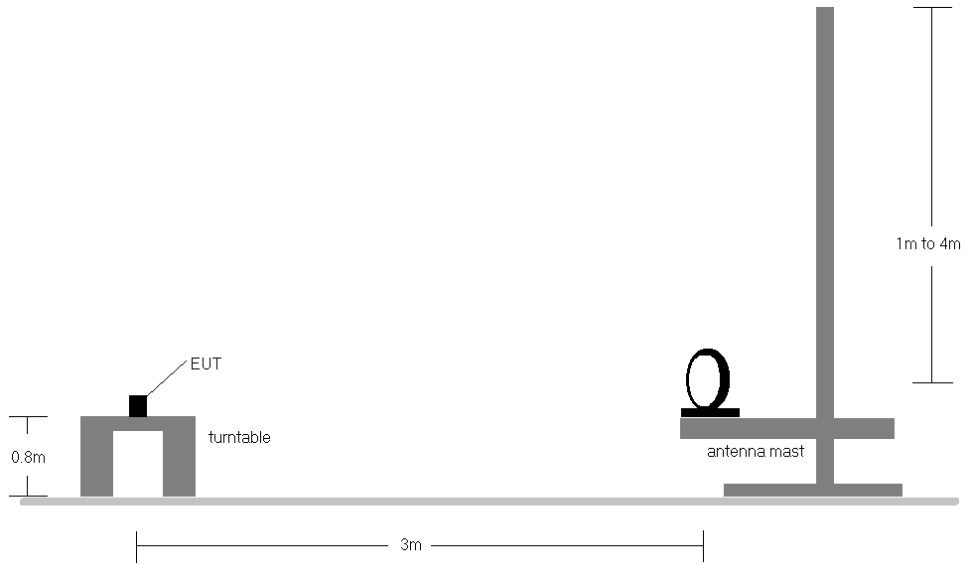
#### Test Settings

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 9kHz for emissions below 30MHz and 100kHz for emissions between 30MHz and 1GHz
3. VBW  $\geq$  3 x RBW
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

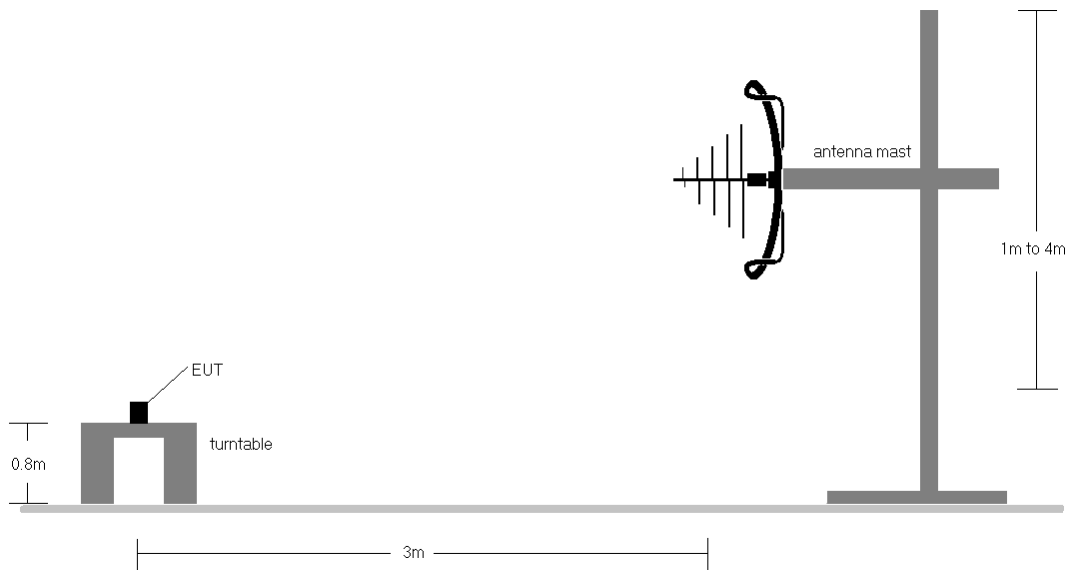
FCC ID: ZNFLS998		FCC Pt. 15.225 MEASUREMENT REPORT (CLASS II PERMISSIVE CHANGE)		Approved by: Quality Manager
Test Report S/N: 1M1707180223-10-R1.ZNF	Test Date(s): 7/24-8/15/2017	EUT Type: Portable Handset	Page 14 of 19	

**Test Setup**



The EUT and measurement equipment were set up as shown in the diagram below.



**Figure 7-2. Radiated Test Setup < 30MHz**



**Figure 7-3. Radiated Test Setup > 30MHz**



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**Test Notes:**

1. All measurements were recorded using a spectrum analyzer employing a quasi-peak detector for emissions below 960MHz.
2. A loop antenna was used to investigate emissions below 30MHz.
3. Both Vertical and Horizontal polarities of the receive antenna were evaluated with the worst case emissions being reported. Below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
4. The EUT was positioned in three orthogonal planes to determine the orientation resulting in the worst case emissions.
5. The spectrum is measured from 9kHz to the 10<sup>th</sup> harmonic and the worst-case emissions are reported.
6. No spurious emissions levels were found to be greater than the level of the fundamental.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

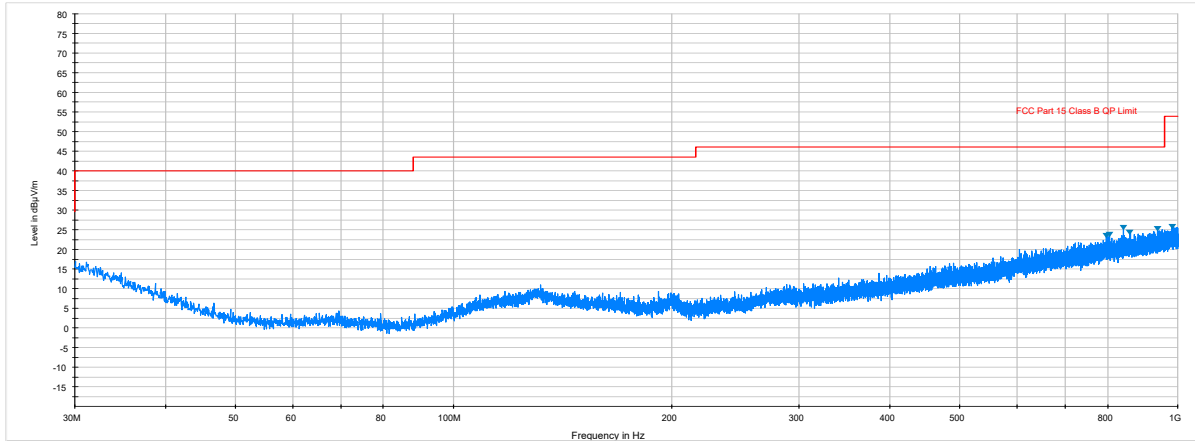
**Sample Calculation**

- Field Strength Level [dB $\mu$ V/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- Margin [dB] = Field Strength Level [dB $\mu$ V/m] – Limit [dB $\mu$ V/m]

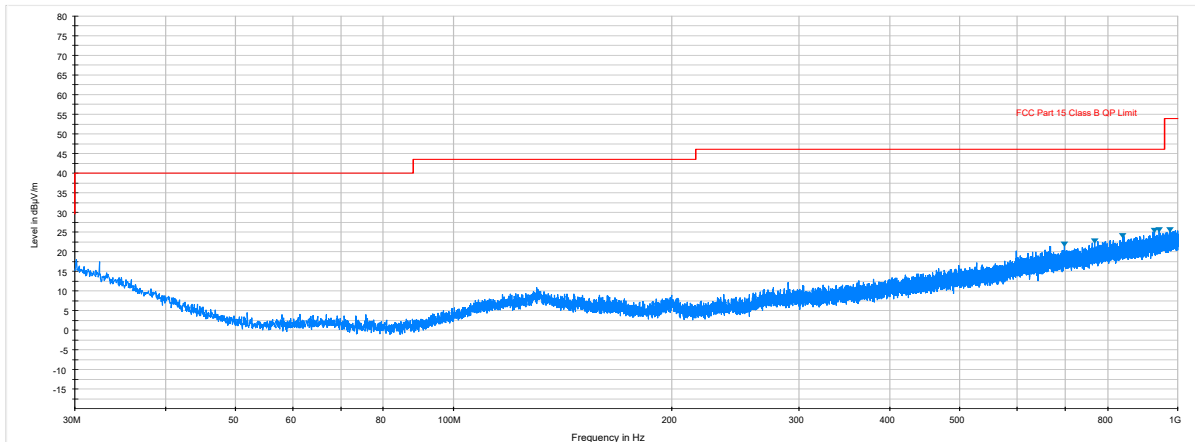
FCC ID: ZNFLS998		FCC Pt. 15.225 MEASUREMENT REPORT (CLASS II PERMISSIVE CHANGE)	 Approved by: Quality Manager
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# Radiated Spurious Emission Measurements, Out-of-Band §15.209 §15.225(d)



**Plot 7-1. Radiated Spurious Plot 30MHz – 1GHz (Pol. H)**



**Plot 7-2. Radiated Spurious Plot 30MHz – 1GHz (Pol. V)**

<b>FCC ID:</b> ZNFLS998		<b>FCC Pt. 15.225 MEASUREMENT REPORT (CLASS II PERMISSIVE CHANGE)</b>	 <b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1M1707180223-10-R1.ZNF	<b>Test Date(s):</b> 7/24-8/15/2017	<b>EUT Type:</b> Portable Handset	Page 17 of 19

## Radiated Spurious Emission Measurements, Out-of-Band §15.209 §15.225(d)

Tx Frequency 13.56MHz



Measurement Distance: 3 Meters

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level [dBm]	AFCL [dB/m]	3m Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
27.12	X	230	38	-70.79	-23.05	13.16	69.54	-56.38
40.68	V	141	41	-67.40	-16.86	22.74	40.00	-17.26
54.24	V	-	-	-66.86	-22.28	17.86	40.00	-22.14
67.80	V	-	-	-66.11	-21.65	19.24	40.00	-20.76
81.36	V	-	-	-67.08	-21.46	18.46	40.00	-21.54
94.92	V	-	-	-67.51	-19.31	20.18	43.52	-23.34
108.48	V	-	-	-67.80	-16.74	22.46	43.52	-21.06

Table 7-6. Radiated Measurements



Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level [dBm]	AFCL [dB/m]	3m Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
27.12	X	111	298	-64.53	-23.05	19.42	69.54	-50.12
40.68	V	120	224	-59.55	-16.86	30.59	40.00	-9.41
54.24	V	150	181	-58.29	-22.28	26.43	40.00	-13.57
67.80	V	191	164	-60.99	-21.65	24.36	40.00	-15.64
81.36	V	121	277	-65.47	-21.46	20.07	40.00	-19.93
94.92	V	169	98	-68.93	-19.31	18.76	43.52	-24.76
108.48	V	218	317	-73.41	-16.74	16.85	43.52	-26.67

Table 7-7. Radiated Measurements with WCP

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## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **LG Portable Handset FCC ID: ZNFLS998** has been tested to show compliance with the requirements specified in §15.225 of the FCC Rules.

<b>FCC ID:</b> ZNFLS998		<b>FCC Pt. 15.225 MEASUREMENT REPORT (CLASS II PERMISSIVE CHANGE)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1M1707180223-10-R1.ZNF	<b>Test Date(s):</b> 7/24-8/15/2017	<b>EUT Type:</b> Portable Handset	Page 19 of 19	