

EMI TEST REPORT

FCC CERTIFICATION

Applicant:

LG Electronics USA, Inc.
1000 Sylvan Avenue, Englewood Cliffs NJ 07632
United States

Date of Issue: May 03, 2019

Test Report No. HCT-EM-1905-FC011

Test Site: HCT CO., LTD.

FCC ID :

ZNFL722DL

Rule Part(s) / Standard(s) : 47 CFR PART 15 Subpart B Class B
ANSI C63.4-2014
EUT Type : Multi-band GSM/CDMA/WCDMA/LTE Phone with WiFi, BT
Model Name : LG L722DL
Additional Model Name : LG-L722DL, LGL722DL, L722DL
Travel Adaptor Information : Model Name: MCS-01WPE/ Manufacturer: PNTELECOM
Date of Test : April 22, 2019 to May 02, 2019

The device bearing the trade name and model specified above, has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2014. (See Test Report if any modifications were made for compliance)

I 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.

HCT certifies that no party to application has been denied the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C 862

Tested By



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REVISION HISTORY

The revision history for this document is shown in table.

Report No.	Issue Date	Information About Changes
HCT-EM-1905-FC011	May 03, 2019	Initial Release



TABLE OF CONTENTS

	PAGE
1. GENERAL INFORMATION	4
1.1 Description of EUT	4
1.2 Tested System Details	4
1.3 Cable Description	5
1.4 Noise Suppression Parts on Cable. (I/O Cable)	5
1.5 Test Facility	6
1.6 Calibration of Measuring Instrument	6
1.7 Measurement Uncertainty	6
2. LIST OF TEST EQUIPMENT	7
3. DESCRIPTION OF TEST	8
3.1 Measurement of Conducted Emission	8
3.2 Measurement of Radiated Emission	9
4. OPERATING MODES	11
4.1 Conducted Emission	11
4.2 Radiated Emission	11
5. CONDUCTED AND RADIATED EMISSION TEST SUMMARY	12
5.1 Conducted Emission	12
5.2 Radiated Emission	19
6. CONCLUSION	21
7. APPENDIX A. TEST SETUP PHOTOGRAPHS	22



1. GENERAL INFORMATION

1.1 Description of EUT

Its basic purpose is used for communications.

FCC ID	ZNFL722DL
Model	LG L722DL
Additional Model	LG-L722DL, LGL722DL, L722DL
EUT Type	Multi-band GSM/CDMA/WCDMA/LTE Phone with WiFi, BT
TX Frequency	824.70 MHz to 848.31 MHz (CDMA BC0) 1 851.25 MHz to 1 908.75 MHz (CDMA BC1) 824.2 MHz to 848.8 MHz (GSM 850) 1 850.2 MHz to 1 909.8 MHz (GSM 1 900) 1 852.4 MHz to 1 907.6 MHz (WCDMA B2) 1712.4 MHz to 1752.6 MHz (WCDMA B4) 826.4 MHz to 846.6 MHz (WCDMA B5) 1 850 MHz to 1 910 MHz (LTE B2) 1 710 MHz to 1 755 MHz (LTE B4) 824 MHz to 849 MHz (LTE B5) 699 MHz to 716 MHz (LTE B12) 777 MHz to 787 MHz (LTE B13) 1 710 MHz to 1 780 MHz (LTE B66) 663 MHz to 698 MHz (LTE B71) 2 402 MHz to 2 480 MHz (Bluetooth) 2 412 MHz to 2 462 MHz (WiFi 2.4 GHz) 5 180 MHz to 5 240 MHz (WiFi 5 GHz_UNII 1) 5 260 MHz to 5 320 MHz (WiFi 5 GHz_UNII 2A) 5 500 MHz to 5 720 MHz (WiFi 5 GHz_UNII 2C) 5 745 MHz to 5 825 MHz (WiFi 5 GHz_UNII 3)
RX Frequency	869.70 MHz to 893.31 MHz (CDMA BC0) 1 931.25 MHz to 1 988.75 MHz (CDMA BC1) 869.2 MHz to 893.8 MHz (GSM 850) 1 930.2 MHz to 1 989.8 MHz (GSM 1 900) 1 932.4 MHz to 1 987.6 MHz (WCDMA B2) 2 112.4 MHz to 2 152.6 MHz (WCDMA B4) 871.4 MHz to 891.6 MHz (WCDMA B5) 1 930 MHz to 1 990 MHz (LTE B2) 2 110 MHz to 2 155 MHz (LTE B4) 869 MHz to 894 MHz (LTE B5) 729 MHz to 746 MHz (LTE B12) 746 MHz to 756 MHz (LTE B13) 2 110 MHz to 2 200 MHz (LTE B66) 617 MHz to 652 MHz (LTE B71) 2 402 MHz to 2 480 MHz (Bluetooth) 2 412 MHz to 2 462 MHz (WiFi 2.4 GHz) 5 180 MHz to 5 240 MHz (WiFi 5 GHz_UNII 1) 5 260 MHz to 5 320 MHz (WiFi 5 GHz_UNII 2A) 5 500 MHz to 5 720 MHz (WiFi 5 GHz_UNII 2C) 5 745 MHz to 5 825 MHz (WiFi 5 GHz_UNII 3)



1.2 Tested System Details

All equipment descriptions used in the tested system (including inserted cards) are:

Device Type	Model Name	Serial Number	Manufacturer
EUT	LG L722DL	-	LG
Data Cable	EAD64746103	-	Ningbo Broad
Earphone	EAB6446844	-	CRESYN
Micro SD card	SAMSUNG EVO+microSDXC CLASS10 UHS-1 (256 GB)	-	SAMSUNG
TA	MCS-01WPE	-	PNTELECOM

1.3 Cable Description

Product Name	Port	Power Cord Shielded (Y/N)	I/O Cable Shielded (Y/N)	Length (m)
EUT	USB Type C	Y	N/A	(P) 1.0
	Earphone	N/A	N	(D) 1.2

* The marked "(D)" means the data cable and "(P)" means the power cable.

1.4 Noise Suppression Parts on Cable. (I/O Cable)

Product Name	Port	Ferrite Bead (Y/N)	Location	Metal Hood (Y/N)	Location
EUT	USB Type C	N	N/A	Y	Both End
	Earphone	N	N/A	Y	EUT End



1.5 Test Facility

Test site is located at 74, SEOICHEON-RO, 578BEON-GIL, MAJANG-MYEON, ICHEON-SI, GYEONGGI-DO, SOUTH KOREA. Those measurement facilities are constructed in conformance with the requirements of ANSI C63.4-2014. The Normalized site attenuations (30 MHz to 1 GHz) and Site validation (1 GHz to 18 GHz) were performed in accordance with the standard in ANSI C63.4-2014

Measurement Facilities	Registration Number
Radiated Field strength measurement facility 3 m Semi Anechoic chamber	KR0032
Radiated Field strength measurement facility 10 m Semi Anechoic chamber #1	
Radiated Field strength measurement facility 10 m Semi Anechoic chamber #2	

1.6 Calibration of Measuring Instrument

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturers recommendations for utilizing calibration equipments, which is traceable to recognized national standards.

Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2006).

1.7 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014.

All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95 % level of confidence. The measurement data shown herein 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.

Parameter	Expanded Uncertainty (dB)
Conducted Emission (0.15 MHz to 30 MHz)	1.82 dB
Radiated Emissions (30 MHz to 1 GHz)	5.20 dB
Radiated Emissions (1 GHz to 18 GHz)	5.24 dB
Radiated Emissions (18 GHz to 40 GHz)	5.40 dB



2. LIST OF TEST EQUIPMENT

<u>Type</u>	<u>Manufacturer</u>	<u>Model Name</u>	<u>Serial Number</u>	<u>Calibration Cycle</u>	<u>CAL Date</u>
<u>Conducted Emission</u>					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESCI	100584	1 year	06.25.2018
<input type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESCI	100033	1 year	06.27.2018
<input checked="" type="checkbox"/> LISN	Rohde & Schwarz	ENV216	102245	1 year	12.12.2018
<input checked="" type="checkbox"/> Software	Rohde & Schwarz	EMC32 VER8.54.0	-	-	-
<u>Radiated Emission</u>					
-For measurement below 1 GHz					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESI40	831564103	1 year	10.31.2018
<input checked="" type="checkbox"/> Trilog Antenna	Schwarzbeck	VULB 9168	255	2 year	03.26.2019
<input checked="" type="checkbox"/> Antenna master	INNCO Systems	MA4640-XP-ET	-	N/A	-
<input checked="" type="checkbox"/> Antenna master controller	INNCO Systems	CO 3000	CO3000/870/ 35990515/L	N/A	-
<input checked="" type="checkbox"/> Turn Table	INNCO Systems	1060	-	N/A	-
<input checked="" type="checkbox"/> Turn Table controller	INNCO Systems	CO2000	CO2000/095/ 7590304/L	N/A	-
<input checked="" type="checkbox"/> Software	Rohde & Schwarz	EMC32 VER8.40.0	-	-	-
-For measurement above 1 GHz (3 m)					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESI40	831564103	1 year	10.31.2018
<input checked="" type="checkbox"/> Antenna master	INNCO Systems	MA4640-XP-ET	-	N/A	-
<input checked="" type="checkbox"/> Antenna master controller	INNCO Systems	CO3000	CO3000/870/ 35990515/L	N/A	-
<input checked="" type="checkbox"/> Turn Table	INNCO Systems	1060	-	N/A	-
<input checked="" type="checkbox"/> Turn Table controller	INNCO Systems	CO2000	CO2000/095/ 7590304/L	N/A	-
<input checked="" type="checkbox"/> Low Noise Amplifier	TESTEK	TK-PA18H	170034-L	1 year	03.04.2019
<input checked="" type="checkbox"/> Horn Antenna	Schwarzbeck	BBHA 9120D	01836	2 year	07.20.2018
<input checked="" type="checkbox"/> Software	Rohde & Schwarz	EMC32	-	-	-
-For measurement above 18 GHz (3 m)					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESI40	831564103	1 year	10.31.2018
<input checked="" type="checkbox"/> Antenna master	INNCO Systems	MA4640-XP-ET	-	N/A	-
<input checked="" type="checkbox"/> Antenna master controller	INNCO Systems	CO3000	CO3000/870/ 35990515/L	N/A	-
<input checked="" type="checkbox"/> Turn Table	INNCO Systems	1060	-	N/A	-
<input checked="" type="checkbox"/> Turn Table controller	INNCO Systems	CO2000	CO2000/095/ 7590304/L	N/A	-
<input checked="" type="checkbox"/> Power Amplifier	TESTEK	TK-PA1840H	170030-L	1 year	12.17.2018
<input checked="" type="checkbox"/> Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170#786	2 year	12.05.2017
<input checked="" type="checkbox"/> Software	Rohde & Schwarz	EMC32	-	-	-



3. DESCRIPTION OF TEST

3.1 Measurement of Conducted Emission

The test procedure was in accordance with ANSI C63.4-2014, Clause 7.3

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN).
If the EUT is connected to the PC through USB, the AC power-line adapter of the PC is directly connected to a line impedance stabilization network (LISN).
Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both conducted lines are measured in Quasi-Peak and Average mode, including the worst-case data points for each tested configuration.
- c. The frequency range from 150 kHz to 30 MHz was searched.

[Conducted Emission Limits]

Frequency (MHz)	Resolution Bandwidth (kHz)	Quasi-Peak (dB(μV))	Average (dB(μV))
0.15 to 0.5	9	66 to 56*	56 to 46*
0.5 to 5	9	56	46
5 to 30	9	60	50

**Decreases with the logarithm of the frequency.*



3.2 Measurement of Radiated Emission

The test procedure was in accordance with ANSI C63.4-2014, Clause 8.3

- a. The EUT was placed on the top of a turn table 0.8 meters above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 m away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from 1 m to 4 m above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 m to 4 m and the turn table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to Peak and Average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- g. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.(1 GHz to 40 GHz)

[Radiated Emission Limits]

Frequency (MHz)	Antenna Distance (m)	Field Strength ($\mu\text{V}/\text{m}$)	Quasi-Peak ($\text{dB}(\mu\text{V}/\text{m})$)
30 to 88	3	100	40.0
88 to 216	3	150	43.5
216 to 960	3	200	46.0
Above 960	3	500	54.0
Frequency (MHz)	Antenna Distance (m)	Peak ($\text{dB}(\mu\text{V}/\text{m})$)	Average ($\text{dB}(\mu\text{V}/\text{m})$)
Above 1 000	3	74	54

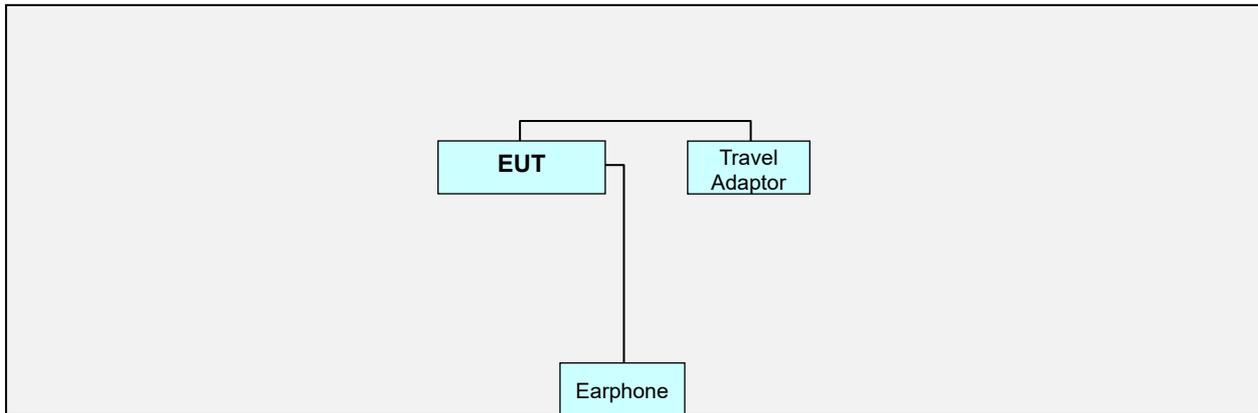


3.2.1 Frequency Range of Radiated Measurements

An unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a Radiated Emission limit is specified, up to the frequency shown in the following table

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 to 108	1 000
108 to 500	2 000
500 to 1 000	5 000
Above 1 000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

3.3 Configuration of Tested System



Non-Conductive Table
 Power Line: 120 VAC, 60 Hz



4. PRELIMINARY TEST

4.1 Conducted Emission

It was tested the following operating mode, after connecting all peripheral devices.

Operating Modes:

- FRONT CAMERA & MP3 mode
- REAR CAMERA & FM RADIO mode
- IDLE mode

NOTE. The worst-case emissions are reported.

4.2 Radiated Emission

It was tested the following operating mode, after connecting all peripheral devices.

Operating Modes:

- FRONT CAMERA & MP3 mode
- REAR CAMERA & FM RADIO mode
- IDLE mode

NOTE. The worst-case emissions are reported.



5. CONDUCTED AND RADIATED EMISSION TEST SUMMARY

5.1 Conducted Emission

The test results of conducted emission at mains ports provide the following information:

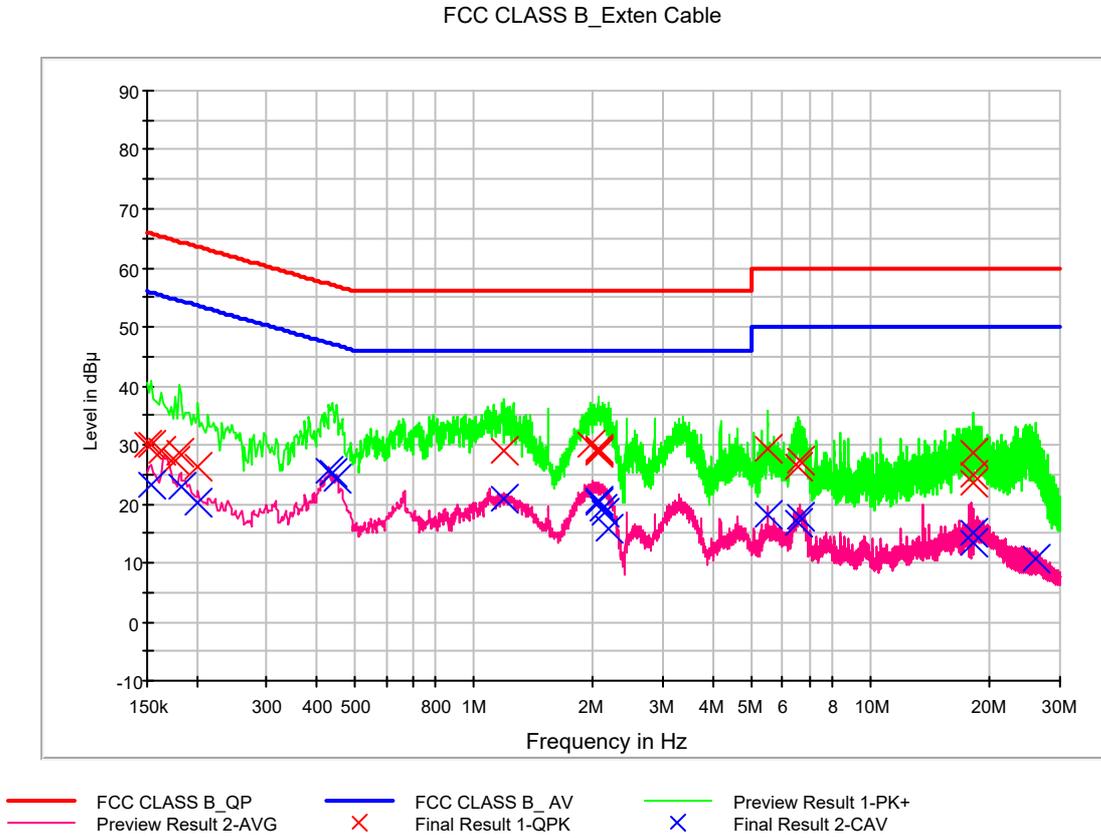
Rule Part / Standard	FCC PART 15 Subpart B Class B
Detector	Quasi-Peak, CISPR-Average
Bandwidth	9 kHz (6 dB)
Operating Mode	FRONT CAMERA & MP3 mode
Kind of Test Site	Shielded Room
Temperature	21.3 °C
Relative Humidity	41.4 %
Test Date	April 22, 2019

- Calculation Formula:

1. Conductor L1 = Hot, Conductor N = Neutral
2. Corr. = LISN Factor + Cable Loss
3. QuasiPeak or CAverage= Receiver Reading + Corr.
4. Margin = Limit – QuasiPeak or CAverage



Figure 1: Conducted Emission, AC Main Port, Line (L1)





QuasiPeak Final Result, Line (L1)

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	29.9	9.000	L1	9.7	36.1	66.0
0.154000	30.1	9.000	L1	9.7	35.7	65.8
0.162000	29.0	9.000	L1	9.7	36.3	65.4
0.176000	27.4	9.000	L1	9.7	37.3	64.7
0.180000	28.6	9.000	L1	9.7	35.9	64.5
0.202000	26.3	9.000	L1	9.7	37.3	63.5
1.194000	28.9	9.000	L1	9.8	27.1	56.0
1.974000	29.9	9.000	L1	9.8	26.1	56.0
2.050000	29.2	9.000	L1	9.8	26.8	56.0
2.054000	29.1	9.000	L1	9.8	26.9	56.0
2.066000	28.6	9.000	L1	9.8	27.4	56.0
2.070000	28.8	9.000	L1	9.8	27.2	56.0
5.502000	29.4	9.000	L1	10.0	30.6	60.0
6.596000	26.2	9.000	L1	10.1	33.8	60.0
6.600000	27.3	9.000	L1	10.1	32.7	60.0
18.048000	23.6	9.000	L1	10.5	36.4	60.0
18.156000	28.8	9.000	L1	10.5	31.2	60.0
18.216000	24.8	9.000	L1	10.5	35.2	60.0

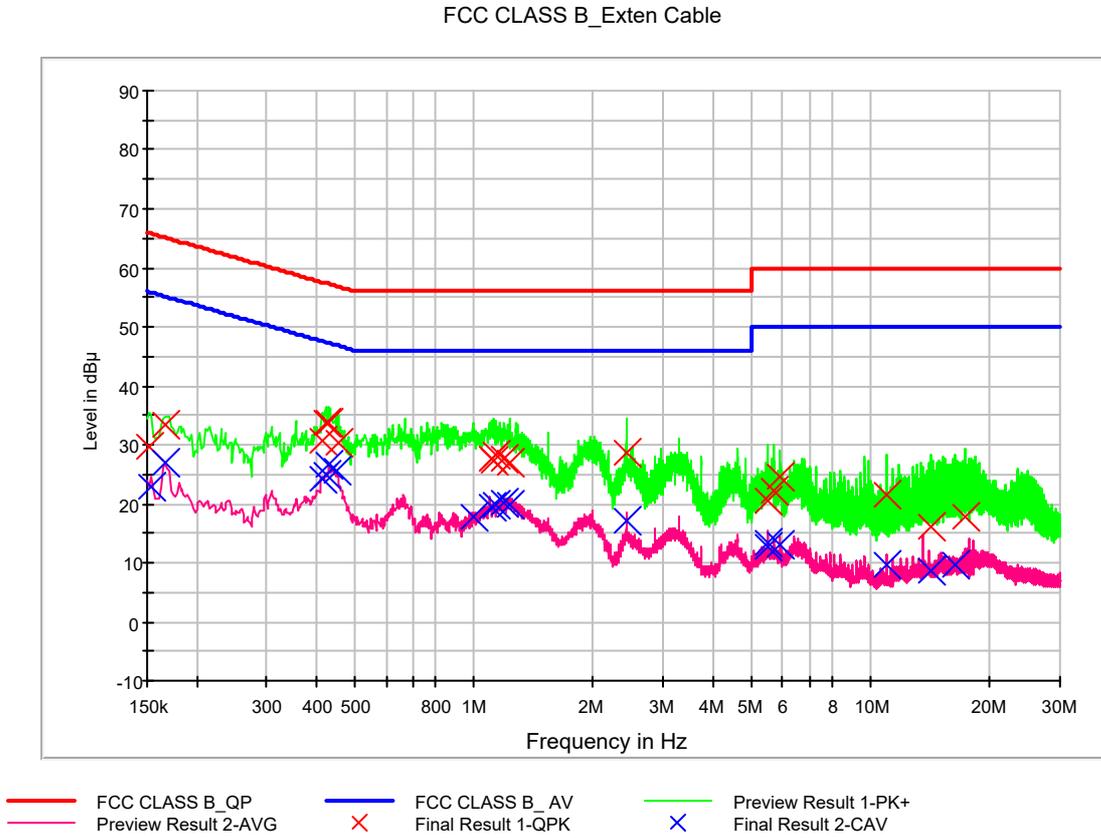


CAverage Final Result, Line (L1)

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.154000	23.2	9.000	L1	9.7	32.6	55.8
0.182000	22.8	9.000	L1	9.7	31.6	54.4
0.202000	20.2	9.000	L1	9.7	33.4	53.5
0.432000	25.6	9.000	L1	9.7	21.6	47.2
0.442000	25.2	9.000	L1	9.7	21.8	47.0
0.450000	24.4	9.000	L1	9.8	22.5	46.9
1.194000	21.0	9.000	L1	9.8	25.0	46.0
2.054000	20.6	9.000	L1	9.8	25.4	46.0
2.070000	20.2	9.000	L1	9.8	25.8	46.0
2.104000	19.3	9.000	L1	9.9	26.7	46.0
2.130000	18.3	9.000	L1	9.9	27.7	46.0
2.190000	15.6	9.000	L1	9.9	30.4	46.0
5.502000	18.2	9.000	L1	10.0	31.8	50.0
6.554000	16.7	9.000	L1	10.1	33.3	50.0
6.600000	17.7	9.000	L1	10.1	32.3	50.0
18.048000	13.3	9.000	L1	10.5	36.7	50.0
18.216000	15.2	9.000	L1	10.5	34.8	50.0
25.946000	10.8	9.000	L1	10.8	39.2	50.0



Figure 2: Conducted Emission, AC Main Port, Line (N)





QuasiPeak Final Result, Line (N)

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	29.7	9.000	N	9.8	36.2	65.9
0.166000	33.4	9.000	N	9.8	31.8	65.2
0.414000	30.6	9.000	N	9.9	27.0	57.6
0.424000	33.6	9.000	N	9.9	23.8	57.4
0.432000	33.7	9.000	N	9.9	23.6	57.2
0.456000	30.2	9.000	N	9.9	26.6	56.8
1.108000	27.6	9.000	N	10.0	28.4	56.0
1.120000	27.2	9.000	N	10.0	28.8	56.0
1.134000	28.3	9.000	N	10.0	27.7	56.0
1.194000	27.7	9.000	N	10.0	28.3	56.0
1.234000	26.8	9.000	N	10.0	29.2	56.0
2.420000	28.7	9.000	N	10.1	27.3	56.0
5.508000	20.4	9.000	N	10.3	39.6	60.0
5.718000	22.1	9.000	N	10.3	37.9	60.0
5.932000	24.6	9.000	N	10.3	35.4	60.0
10.998000	21.6	9.000	N	10.5	38.4	60.0
14.202000	16.2	9.000	N	10.6	43.8	60.0
17.366000	17.7	9.000	N	10.8	42.3	60.0



CAverage Final Result, Line (N)

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.154000	22.9	9.000	N	9.8	32.8	55.8
0.166000	27.1	9.000	N	9.8	28.0	55.2
0.414000	24.3	9.000	N	9.9	23.3	47.6
0.424000	25.0	9.000	N	9.9	22.4	47.4
0.432000	26.5	9.000	N	9.9	20.7	47.2
0.448000	25.4	9.000	N	9.9	21.5	46.9
0.992000	17.7	9.000	N	10.0	28.3	46.0
1.108000	19.5	9.000	N	10.0	26.5	46.0
1.134000	19.7	9.000	N	10.0	26.3	46.0
1.194000	20.2	9.000	N	10.0	25.8	46.0
1.234000	20.0	9.000	N	10.0	26.0	46.0
2.420000	17.3	9.000	N	10.1	28.8	46.0
5.504000	13.4	9.000	N	10.3	36.6	50.0
5.508000	12.6	9.000	N	10.3	37.4	50.0
5.934000	13.1	9.000	N	10.3	36.9	50.0
10.998000	9.6	9.000	N	10.5	40.4	50.0
14.202000	8.7	9.000	N	10.6	41.3	50.0
16.396000	9.7	9.000	N	10.7	40.3	50.0



5.2 Radiated Emission

The test results of radiated emission provide the following information:

For Measurement Below 1 GHz

Rule Part / Standard	FCC PART 15 Subpart B Class B
Detector	Quasi-Peak
Bandwidth	120 kHz (6 dB)
Operating Mode	FRONT CAMERA & MP3 mode
Kind of Test Site	3 m semi anechoic chamber
Temperature	23.6 °C
Relative Humidity	43.5 %
Test Date	May 02, 2019

Frequency (MHz)	Quasi Peak (dB μ V/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
30.024048	15.8	100.0	V	58.0	18.3	24.2	40.0
49.821644	18.7	125.2	V	280.0	19.8	21.3	40.0
100.979960	24.5	174.9	H	306.0	15.2	19.0	43.5
150.338677	22.8	225.1	V	128.0	19.4	20.7	43.5
678.743487	27.0	191.8	V	30.0	28.3	19.0	46.0
929.721443	30.8	192.9	V	220.0	31.6	15.2	46.0

- Calculation Formula:

1. POL. H = Horizontal, POL. V = Vertical
2. QuasiPeak = Reading (Receiver Reading) + Corr.
3. Corr. (Correction Factor) = Antenna Factor + Cable Loss
4. Margin = Limit - QuasiPeak



For Measurement Above 1 GHz

Rule Part / Standard	FCC PART 15 Subpart B Class B
Detector	Peak mode: Peak (RBW: 1 MHz, VBW: 3 MHz) CISPR-Average mode: Peak (RBW: 1 MHz, VBW: 10 Hz)
Highest Frequency	5 825 MHz
Tested Frequency Range	1 GHz to 30 GHz
Operating Mode	FRONT CAMERA & MP3 mode
Kind of Test Site	3 m semi anechoic chamber
Temperature	20.8 °C
Relative Humidity	44.9 %
Test Date	April 29, 2019

Frequency (MHz)	Peak (dB μ V/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
4014.679358	35.9	140.7	V	94.0	-19.7	38.1	74.0
5206.462926	39.2	150.0	V	0.0	-15.7	34.8	74.0
7372.895792	44.6	139.5	V	346.0	-9.8	29.4	74.0
9528.306613	48.3	249.4	H	184.0	-5.4	25.7	74.0
10485.521042	48.3	150.0	H	239.0	-3.6	25.7	74.0
14446.643287	49.6	349.8	V	149.0	0.4	24.4	74.0

Frequency (MHz)	CAverage (dB μ V/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
4014.679358	23.1	140.7	V	94.0	-19.7	30.9	54.0
5206.462926	26.1	150.0	V	0.0	-15.7	27.9	54.0
7372.895792	32.1	139.5	V	346.0	-9.8	21.9	54.0
9528.306613	35.5	249.4	H	184.0	-5.4	18.5	54.0
10485.521042	35.8	150.0	H	239.0	-3.6	18.2	54.0
14446.643287	37.1	349.8	V	149.0	0.4	16.9	54.0

- Calculation Formula:

1. POL. H = Horizontal, POL. V = Vertical
2. Peak or CAverage = Reading (Receiver Reading) + Corr.
3. Corr. (Correction Factor) = Antenna Factor+ Cable Loss – Amplifier Gain
4. Margin = Limit - Peak or CAverage



6. CONCLUSION

The data collected shows that the **EUT Type: Multi-band GSM/CDMA/WCDMA/LTE Phone with WiFi, BT, FCC ID: ZNFL722DL, Model: LG L722DL** complies with §15.107 and §15.109 of the FCC rules.



7. APPENDIX A. TEST SETUP PHOTOGRAPHS

Please refer to Annex A