

# EMI TEST REPORT

## FCC CERTIFICATION

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

**Date of Receipt: November 30, 2017**  
**Date of Issue: December 20, 2017**  
**Test Report No. HCT-E-1712-F014**

**FCC ID :**

**ZNFL413DL**

**Rule Part(s) / Standard(s)** : FCC CFR 47 PART 15 Subpart B Class B  
**FCC Classification** : JBP (Part 15 B – Class B Computing Device Peripheral)  
**EUT Type** : Multi-band CDMA/GSM/WCMDA/LTE Phone with BT and WLAN  
**Model Name:** : LML413DL  
**Additional Model Name** : LM-L413DL, L413DL, LM-X410ULMG, LMX410ULMG, X410ULMG  
**TA Model Name / Manufacturer** : MCS-01WPE / PNTELECOM  
**Date of Test** : December 07, 2017 – December 15, 2017

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 denial the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C 862

**Tested By**



**Dong-Hwan Seo**  
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**Reviewed By**



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## REVISION HISTORY

*The revision history for this document is shown in table.*

Report No.	Issue Date	Description
HCT-E-1712-F014	December 20, 2017	Initial Release



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## 1. GENERAL INFORMATION

### 1.1 Description of EUT

Its basic purpose is used for communications.

FCC ID	ZNFL413DL
Model	LML413DL
Additional Model	LM-L413DL, L413DL, LM-X410ULMG, LMX410ULMG, X410ULMG
EUT Type	Multi-band CDMA/GSM/WCDMA/LTE Phone with BT and WLAN
TX Frequency	824.70 MHz to 848.31 MHz (CDMA BC0) 1 851.25 MHz to 1 908.75 MHz (CDMA BC1) 824.20 MHz to 848.80 MHz (GSM 850) 1 850.20 MHz to 1 909.80 MHz (GSM 1 900) 1 852.4 MHz to 1 907.6 MHz (WCDMA B2) 1712.4 MHz to 1752.6 MHz (WCDMA B4) 826.40 MHz to 846.60 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) 2 402 MHz to 2 480 MHz (Bluetooth) 2 412 MHz to 2 462 MHz (WiFi 2.4 GHz)
RX Frequency	869.70 MHz to 893.31 MHz (CDMA BC0) 1 931.25 MHz to 1 988.75 MHz (CDMA BC1) 869.20 MHz to 893.80 MHz (GSM 850) 1 930.20 MHz to 1 989.80 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) 871.40 MHz to 891.60 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) 2 402 MHz to 2 480 MHz (Bluetooth) 2 412 MHz to 2 462 MHz (WiFi 2.4 GHz)



## 1.2 Related Submittal(s) / Grant(s)

Original submittal only.

## 1.3 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.

Measurement Facilities	Registration Number
Radiated Field strength measurement facility 3 m Semi Anechoic chamber	90661
Radiated Field strength measurement facility 10 m Semi Anechoic chamber	

## 1.4 Instrument Calibration

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).



## 1.5 Tested System Details

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

Device Type	Model Name	Serial Number	Manufacturer
EUT	LML413DL	-	LG
Data cable	EAD62377928	-	Ningbo
Earphone	EAB64168741	-	CRESYN
Travel adaptor	MCS-01WPE	-	PNTELECOM
Micro SD card	256GB EVO+UHS-I microSDXC U1	-	SAMSUNG

## 1.6 Cable Description

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

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

## 1.7 Noise Suppression Parts on Cable. (I/O Cable)

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



## 2. 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  $U_{\text{CISPR}}$  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 ( $k = 2$ )
Radiated Emissions (30 MHz to 1 GHz)	5.20 dB ( $k = 2$ )
Radiated Emissions (1 GHz to 18 GHz)	5.24 dB ( $k = 2$ )
Radiated Emissions (18 GHz to 40 GHz)	5.40 dB ( $k = 2$ )



### 3. DESCRIPTION OF TEST

#### 3.1 Measurement of Conducted Emission

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

- 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 Limit ]

Frequency (MHz)	Resolution Bandwidth (kHz)	Quasi-Peak (dB $\mu$ V)	Average (dB $\mu$ V)
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

- 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 detects 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 ( $\mu\text{V/m}$ )	Quasi-Peak ( $\text{dB}\mu\text{V/m}$ )
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 ( $\text{dB}\mu\text{V/m}$ )	Average ( $\text{dB}\mu\text{V/m}$ )
Above 1 000	3	74	54

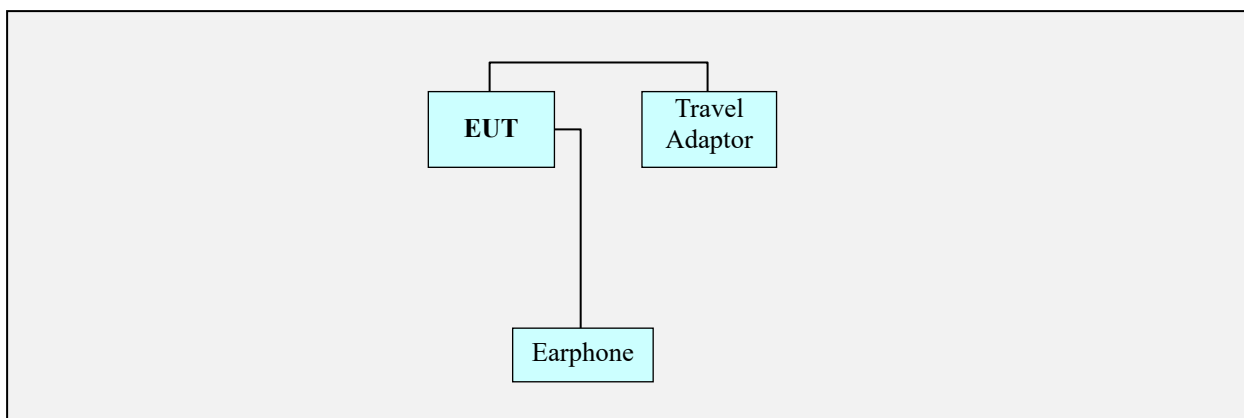


### 3.2.1 Frequency Range of Radiated Measurements

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 <sup>th</sup> harmonic of the highest frequency or 40 GHz, whichever is lower

### 3.3 Configuration of Tested System



**Non-Conductive Table**  
Power Line: 120 VAC



## 4. PRELIMINARY TEST

### 4.1 Conducted Emission Test

During preliminary tests, the following operating mode was investigated:

- Operation Mode:**  Camera (Front) & MP3 mode  
 Camera (Rear) & FM Radio mode  
 Idle mode

**NOTE.** *The worst-case emissions are reported.*

### 4.2 Radiated Emission Test

During preliminary tests, the following operating mode was investigated:

- Operation Mode:**  Camera (Front) & MP3 mode  
 Camera (Rear) & FM Radio mode  
 Idle mode

**NOTE.** *The worst-case emissions are reported.*



## 5. CONDUCTED AND RADIATED EMISSION TEST SUMMARY

### 5.1 Conducted Emission Test

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

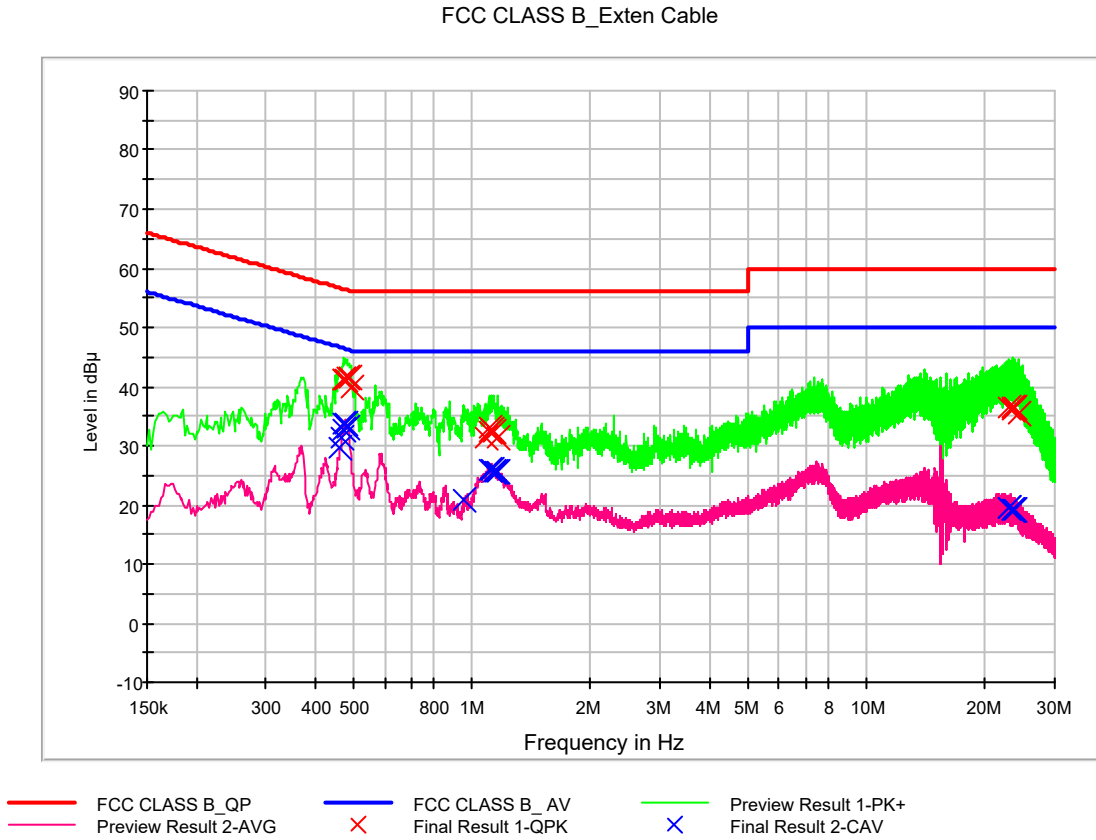
Rule Part / Standard	FCC PART 15 Subpart B Class B
Detector	Quasi-Peak, CISPR-Average
Bandwidth	9 kHz (6 dB)
Worst Case of Operation Mode	Camera (Front) & MP3 mode
Kind of Test Site	EMI Shielded Room
Temperature	21.3 / 21.3 °C
Relative Humidity	44.6 / 42.0 %
Test Date	December 07 / December 11, 2017

#### ※ 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 (0.15 to 30) MHz, Line (L1)





**QuasiPeak Final Result, Line (L1)**

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.470000	41.0	9.000	L1	9.7	15.5	56.5
0.474000	41.3	9.000	L1	9.7	15.1	56.4
0.478000	41.2	9.000	L1	9.7	15.1	56.4
0.482000	41.4	9.000	L1	9.7	14.9	56.3
0.486000	41.4	9.000	L1	9.7	14.8	56.2
0.492000	40.0	9.000	L1	9.7	16.2	56.1
1.078000	31.3	9.000	L1	9.8	24.7	56.0
1.102000	33.0	9.000	L1	9.8	23.0	56.0
1.108000	32.5	9.000	L1	9.8	23.5	56.0
1.126000	32.6	9.000	L1	9.8	23.4	56.0
1.138000	32.4	9.000	L1	9.8	23.6	56.0
1.160000	31.3	9.000	L1	9.8	24.7	56.0
23.024000	36.4	9.000	L1	10.9	23.6	60.0
23.356000	36.4	9.000	L1	10.9	23.6	60.0
23.444000	36.3	9.000	L1	10.9	23.7	60.0
23.490000	36.6	9.000	L1	10.9	23.4	60.0
23.700000	36.6	9.000	L1	10.9	23.4	60.0
24.230000	35.4	9.000	L1	10.9	24.6	60.0

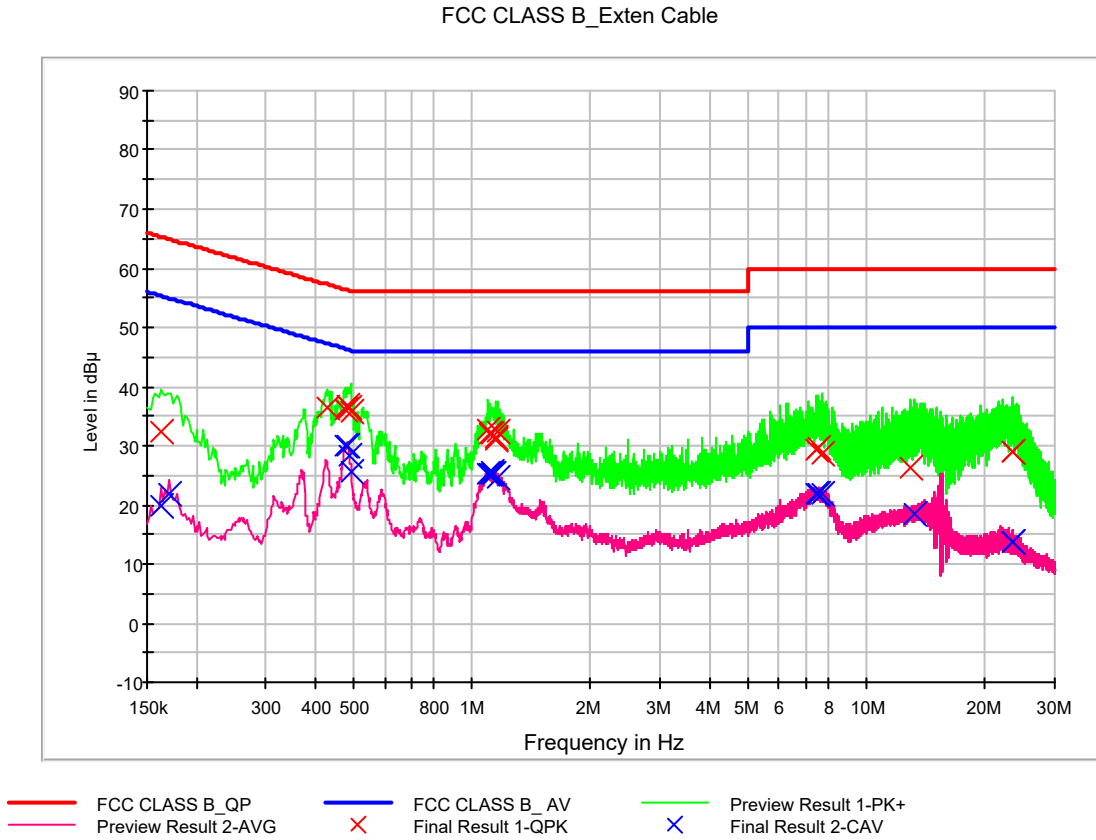


**CAverage Final Result, Line (L1)**

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.462000	29.5	9.000	L1	9.7	17.1	46.7
0.466000	31.2	9.000	L1	9.7	15.3	46.6
0.470000	32.7	9.000	L1	9.7	13.8	46.5
0.474000	33.6	9.000	L1	9.7	12.8	46.4
0.478000	33.8	9.000	L1	9.7	12.6	46.4
0.484000	33.0	9.000	L1	9.7	13.3	46.3
0.956000	20.8	9.000	L1	9.8	25.2	46.0
1.108000	26.0	9.000	L1	9.8	20.0	46.0
1.126000	26.0	9.000	L1	9.8	20.0	46.0
1.130000	25.7	9.000	L1	9.8	20.3	46.0
1.150000	25.5	9.000	L1	9.8	20.5	46.0
1.160000	25.5	9.000	L1	9.8	20.5	46.0
23.020000	19.4	9.000	L1	10.9	30.6	50.0
23.024000	19.4	9.000	L1	10.9	30.6	50.0
23.356000	19.3	9.000	L1	10.9	30.7	50.0
23.444000	19.3	9.000	L1	10.9	30.7	50.0
23.490000	19.1	9.000	L1	10.9	30.9	50.0
23.700000	19.0	9.000	L1	10.9	31.0	50.0



Figure 2: Conducted Emission (0.15 to 30) MHz, Line (N)







**QuasiPeak Final Result, Line (N)**

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.162000	32.3	9.000	N	9.7	33.1	65.4
0.428000	36.6	9.000	N	9.7	20.7	57.3
0.476000	36.0	9.000	N	9.7	20.4	56.4
0.484000	36.7	9.000	N	9.7	19.6	56.3
0.488000	36.6	9.000	N	9.7	19.6	56.2
0.492000	35.7	9.000	N	9.7	20.4	56.1
1.100000	32.7	9.000	N	9.8	23.4	56.0
1.110000	31.9	9.000	N	9.8	24.1	56.0
1.128000	32.1	9.000	N	9.8	23.9	56.0
1.142000	31.1	9.000	N	9.8	24.9	56.0
1.152000	31.5	9.000	N	9.8	24.5	56.0
1.164000	32.5	9.000	N	9.8	23.5	56.0
7.446000	29.2	9.000	N	10.1	30.8	60.0
7.512000	29.6	9.000	N	10.2	30.4	60.0
7.730000	28.8	9.000	N	10.2	31.2	60.0
12.854000	26.2	9.000	N	10.5	33.8	60.0
23.342000	28.8	9.000	N	10.9	31.2	60.0
23.576000	28.9	9.000	N	10.9	31.1	60.0



**CAverage Final Result, Line (N)**

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.162000	19.9	9.000	N	9.7	35.5	55.4
0.170000	21.9	9.000	N	9.7	33.1	55.0
0.476000	29.9	9.000	N	9.7	16.5	46.4
0.484000	29.9	9.000	N	9.7	16.4	46.3
0.488000	28.3	9.000	N	9.7	17.9	46.2
0.492000	25.7	9.000	N	9.7	20.4	46.1
1.100000	25.4	9.000	N	9.8	20.6	46.0
1.114000	25.3	9.000	N	9.8	20.7	46.0
1.118000	25.6	9.000	N	9.8	20.4	46.0
1.128000	25.2	9.000	N	9.8	20.8	46.0
1.140000	25.1	9.000	N	9.8	20.9	46.0
1.164000	24.6	9.000	N	9.8	21.4	46.0
7.446000	21.8	9.000	N	10.1	28.2	50.0
7.512000	22.0	9.000	N	10.2	28.0	50.0
7.730000	21.9	9.000	N	10.2	28.1	50.0
13.212000	18.5	9.000	N	10.5	31.5	50.0
23.342000	13.7	9.000	N	10.9	36.3	50.0
23.576000	13.8	9.000	N	10.9	36.2	50.0



## 5.2 Radiated Emission Test

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)
Worst Case of Operation Mode	Camera (Front) & MP3 mode
Kind of Test Site	3 m semi anechoic chamber
Temperature	20.7 °C
Relative Humidity	41.8 %
Test Date	December 08, 2017

Frequency (MHz)	Quasi Peak (dB $\mu$ V/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
30.761600	34.0	100.0	V	30.0	21.8	6.0	40.0
45.317600	33.0	100.0	V	146.0	23.1	7.0	40.0
62.445600	28.0	100.0	V	108.0	22.4	12.0	40.0
487.929600	30.0	328.0	H	26.0	28.6	16.0	46.0
684.935200	34.0	115.0	H	146.0	32.4	12.0	46.0
954.534400	36.5	165.0	H	298.0	35.8	9.5	46.0

#### ※ Calculation Formula:

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



## -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 Operating Frequency	2 480 MHz
Upper Frequency	1 GHz to 12.4 GHz
Worst Case of Operation Mode	Camera (Front) & MP3 mode
Kind of Test Site	3 m semi anechoic chamber
Temperature	20.6 / 21.1 °C
Relative Humidity	40.7 / 40.2 %
Test Date	December 14 / December 15, 2017

Frequency (MHz)	Peak (dB $\mu$ V/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
1204.100000	32.4	249.9	V	121.0	-13.5	41.6	74.0
1774.225000	32.2	99.7	H	252.0	-12.2	41.8	74.0
2031.395000	35.2	100.0	H	215.0	-11.7	38.8	74.0
2417.255000	33.8	250.1	V	13.0	-10.0	40.2	74.0
3931.775000	36.5	149.9	V	151.0	-6.9	37.5	74.0
5439.495000	38.9	149.9	V	204.0	-3.2	35.1	74.0

Frequency (MHz)	CAverage (dB $\mu$ V/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
1204.100000	19.5	249.9	V	121.0	-13.5	34.5	54.0
1774.225000	19.3	99.7	H	252.0	-12.2	34.7	54.0
2031.395000	21.0	100.0	H	215.0	-11.7	33.0	54.0
2417.255000	20.5	250.1	V	13.0	-10.0	33.5	54.0
3931.775000	23.8	149.9	V	151.0	-6.9	30.2	54.0
5439.495000	26.3	149.9	V	204.0	-3.2	27.7	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. LIST OF TEST EQUIPMENT

Type	Manufacturer	Model Name	Serial Number	Calibration Cycle	CAL Date
<u>Conducted Emission</u>					
<input type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESCI	100584	1 year	06.20.2017
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESCI	100033	1 year	06.27.2017
<input type="checkbox"/> LISN	Rohde & Schwarz	ESH3-Z5	100282	1 year	05.22.2017
<input type="checkbox"/> LISN	Rohde & Schwarz	ENV216	100073	1 year	12.23.2016
<input checked="" type="checkbox"/> LISN	Rohde & Schwarz	ENV216	100073	1 year	07.18.2017
<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	ESU40	100524	1 year	08.16.2017
<input checked="" type="checkbox"/> Trilog Antenna	Schwarzbeck	VULB 9168	760	2 year	04.06.2017
<input checked="" type="checkbox"/> Antenna master	HD GmbH	MA240	240/520	N/A	-
<input checked="" type="checkbox"/> Antenna master controller	HD GmbH	HD 100	100/637	N/A	-
<input checked="" type="checkbox"/> Turn Table	INNCO Systems	-	-	N/A	-
<input checked="" type="checkbox"/> Turn Table controller	INNCO Systems	CO2000	-	N/A	-
<input type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESU26	100241	1 year	08.16.2017
<input type="checkbox"/> Antenna master	INNCO Systems	MA4000-EP	MA4000/283	N/A	-
<input type="checkbox"/> Turn Table	INNCO Systems	DT3000-3T	DT3000/69	N/A	-
<input checked="" type="checkbox"/> Software	Rohde & Schwarz	EMC32 VER8.40.0	-	-	-
-For measurement above 1 GHz					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESU40	100524	1 year	08.16.2017
<input type="checkbox"/> Antenna master	HD GmbH	MA240	240/520	N/A	-
<input type="checkbox"/> Antenna master controller	HD GmbH	HD 100	100/637	N/A	-
<input checked="" type="checkbox"/> Antenna master	INNCO Systems	MA4000-XP-ET	-	N/A	-
<input checked="" type="checkbox"/> Antenna master controller	INNCO Systems	CO 3000	CO 3000/870/ 35990515/L	N/A	-
<input checked="" type="checkbox"/> Turn Table	INNCO Systems	1060-2M	-	N/A	-
<input checked="" type="checkbox"/> Turn Table controller	INNCO Systems	CO2000	-	N/A	-
<input checked="" type="checkbox"/> Power Amplifier	CERNEX	CBLU5183530	24348	1 year	06.01.2017
<input type="checkbox"/> Power Amplifier	CERNEX	CBL18265035	21873	1 year	01.19.2017
<input type="checkbox"/> Power Amplifier	CERNEX	CBL26405040	19660	1 year	07.11.2017
<input checked="" type="checkbox"/> Horn Antenna	Schwarzbeck	BBHA 9120D	296	2 year	10.12.2016
<input type="checkbox"/> Power Amplifier	CERNEX	CBLU1183540	21691	1 year	06.28.2017
<input type="checkbox"/> Horn Antenna	Schwarzbeck	BBHA 9120D	1300	2 year	06.30.2017
<input type="checkbox"/> Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170124	2 year	04.25.2017
<input type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESU26	100241	1 year	08.16.2017
<input type="checkbox"/> Turn Table	INNCO Systems	DT3000-3T	DT3000/69	N/A	-
<input checked="" type="checkbox"/> Software	Rohde & Schwarz	EMC32 VER8.40.0	-	-	-



## 7. CONCLUSION

The data collected shows that the **EUT Type: Multi-band CDMA/GSM/WCMDA/LTE Phone with BT and WLAN, Model: LML413DL** complies with §15.107 and §15.109 of the FCC rules.



## 8. APPENDIX A TEST SETUP PHOTOGRAPHS

Please refer to Appendix A