



**HCT CO., LTD.**

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## EMI CERTIFICATION REPORT

**Applicant:**

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

**Date of Issue: December 10, 2013**

**Test Report No.: HCTE1312FE03**

**Test Site: HCT CO., LTD.**

**HCT FRN: 0005-8664-21**

**FCC ID:**

**ZNFL34C**

Rule Part(s) / Standard(s) : FCC PART 15 Subpart B Class B  
Equipment Type : Cellular/PCS CDMA/EVDO Phone with Bluetooth and WLAN  
Model Name : LGL34C  
Additional Model Name : L34C, LG-VS415PP, VS415PP, LGVS415PP, LG-VS415, VS415, LGVS415  
Port / Connector(s) : USB / Earphone Port  
Date of Test : November 27, 2013 - December 09, 2013

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 C63.4/2003. (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 subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C 862

**Report prepared by**  
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**Test Engineer of EMC Team**

**Approved by**  
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**Manager of EMC Team**

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## DOCUMENT HISTORY

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The revision history for this document is shown in table.

Version	Date	Description
HCTE1312FE03	December 10, 2013	Initial Release

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**ATTACHMENT: TEST SETUP PHOTOGRAPHS**

H. **GENERAL INFORMATION**

H.U **Product Description**

Equipment Under Test is **EUT type: Cellular/PCS CDMA/EVDO Phone with Bluetooth and WLAN, Model: LGL34C** manufactured by **LG Electronics MobileComm U.S.A., Inc.** Its basic purpose is used for communications.

<b>Model Name</b>	LGL34C
<b>FCC ID</b>	ZNFL34C
<b>Additional Model Name</b>	L34C, LG-VS415PP, VS415PP, LGVS415PP, LG-VS415, VS415, LGVS415
<b>EUT Type</b>	Cellular/PCS CDMA/EVDO Phone with Bluetooth and WLAN
<b>TX Frequency</b>	824.70 MHz to 848.31 MHz (CDMA 835) 1 851.25 MHz to 1 908.75 MHz (CDMA 1 900)
<b>RX Frequency</b>	869.70 MHz to 893.31 MHz (CDMA 835) 1 931.25 MHz to 1 988.75 MHz (CDMA 1 900)

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

Original submittal only.

### 1.3 Tested System Details

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

Device Type	Model Name	Manufacturer	FCC ID / DoC	Connected To
EUT	LGL34C	LG	ZNFL34C	Notebook PC Ear-phone
USB cable	EAD62377903	KSD	-	E.U.T Notebook PC
USB cable	EAD62377902	Ningbo BROAD	-	E.U.T Notebook PC
USB cable*	EAD62432101	Ningbo BROAD	-	E.U.T Notebook PC
Ear-phone	EAB62691101	LG	-	E.U.T
Notebook PC	ProBook6560b	H.P	DoC	EUT Notebook PC adaptor
Notebook PC adaptor	PPP009D	DELTA Electronics (JIANGSU)LTD	-	Notebook PC
Gateway	MV440	Axesstel	PH7MV440	Notebook PC, Adaptor
Mouse	Serial 2 batten mouse	Radio shack	FSUGMZE3	Notebook PC
Adaptor	DA-60M12	Yang Ming Industrial	-	Gateway
RJ45 cable	-	-	-	Notebook PC, Gateway
Micro SD card	4 GB	SanDisk	-	-

※**Note:** Add the same model USB cable. (\*Model: EAD62432101)

### 1.4 Cable Description

Product Name	Port	Power Cord Shielded (Y/N)	I/O Cable Shielded (Y/N)	Length (m)
EUT	Micro USB	Y	Y	(P,D)1.0
	Ear-phone	N/A	Y	(D)1.2
Notebook PC	RJ 45	N/A	N	(D)1.5
	Serial (Mouse)	N/A	Y	(D)1.8
	DC in	N	N/A	(P)1.8
Gateway	DC in	N	N/A	(P)1.8

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

### 1.5 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
	Ear-phone	N	N/A	Y	EUT End
Notebook PC	RJ 45	N	N/A	N	N/A
	Serial (Mouse)	N	N/A	Y	Notebook PC End

## 1.6 Test Methodology

Both Conducted and Radiated testing was performed according to the procedures in ANSI C63.4/2003. Radiated testing was performed at an antenna to EUT distance of 3 m.

## 1.7 Test Facility

Chamber used to collect the test data is located at the 74, SEOICHEON-RO, 578BEON-GIL, MAJANG-MYEON, ICHEON-SI, GYEONGGI-DO, KOREA. Those measurement facilities are constructed in conformance with the requirements of ANSI C63.4/2003.

Measurement Facilities	Reg. No.
Radiated Field strength measurement facility (3m)	90661 (June 21, 2011)
Radiated Field strength measurement facility (10m)	90661 (June 21, 2011)

## 1.8 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

## 2. SYSTEM TEST CONFIGURATION

### 2.1 Configuration of Test System

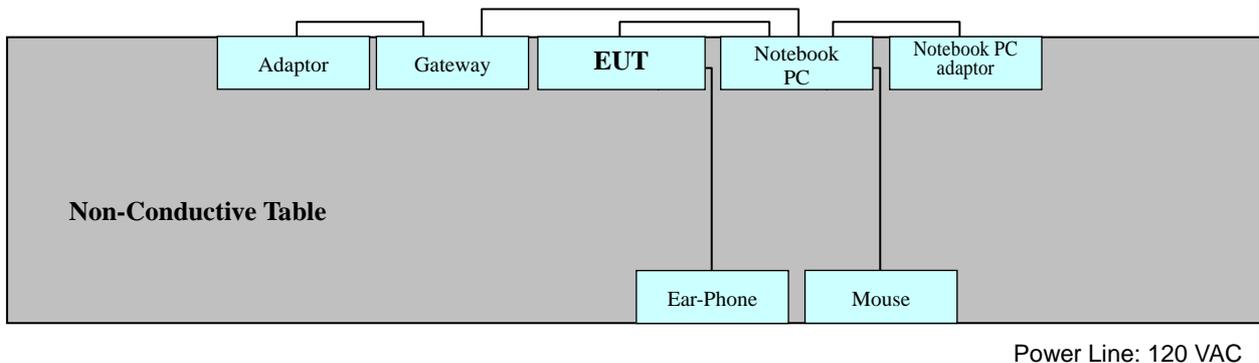
#### 2.1.1 Conducted Emission Test

EUT was connected to LISN via Notebook PC adaptor and Base Station. Preliminary Power Line Conducted Emission tests were performed by using the procedure in ANSI C63.4/2003 7.2.3 to determine the worst operating conditions.

#### 2.1.2 Radiated Emission Test

Preliminary Radiated Emission tests were performed by using the procedure in ANSI C63.4/2003 8.3.1.1 to determine the worst operating condition. Final Radiated Emission tests were performed at 3 m semi-anechoic chamber.

[ Configuration of Tested System ]



### **3. PRELIMINARY TEST**

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#### **3.1 Conducted Emission Test**

- It was tested Data Communication mode, after connecting all peripheral devices.

**Operation Mode:**       Data Communication mode

#### **3. 2 Radiated Emission Test**

- It was tested Data Communication mode, after connecting all peripheral devices.

**Operation Mode:**       Data Communication mode

## 4. CONDUCTED AND RADIATED EMISSION TEST SUMMARY

### 4.1 Conducted Emission Test

The following table shows the highest levels of conducted emissions on both polarization of hot and neutral line.

Limit Apply to	: FCC PART 15 Subpart B Class B
Detector	: Quasi-Peak, Average (6 dB Bandwidth: 9 kHz)
Operation Mode	: Data Communication mode
USB Cable	: KSD (EAD62377903)
Temperature	: 20.1°C
Humidity Level	: 38.6 %
Test Date	: December 09, 2013

Frequency (MHz)	Transd (dB)	Conductor	Quasi-Peak			Average		
			Limit	Measurement Level	Result Level	Limit	Measurement Level	Result Level
			(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dBuV)
0.198	9.8	H	64	37.9	47.7	54	21.6	31.4
0.202	10.0	N	64	38.4	48.4	54	-	-
0.262	10.0	N	61	32.3	42.3	51	16.3	26.3
3.668	10.1	H	56	-	-	46	18.3	28.4
3.824	10.1	H	56	26.6	36.7	46	-	-
4.004	10.3	N	56	-	-	46	16.0	26.3

※ **NOTE:** Refer to page 11 to page 14 for details.

1. Line H = Hot, Line N = Neutral
2. Transd = LISN factor + Cable Loss factor

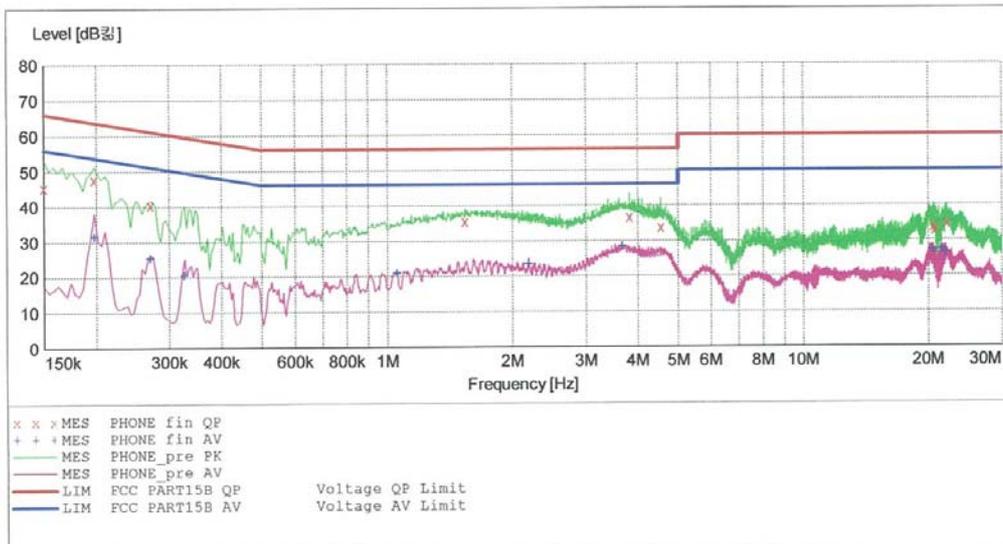
**HCT**

**EMC**

EUT: LGL34C  
 Manufacturer: LG  
 Operating Condition: DATA MODE (KSD CABLE)  
 Test Site: SHIELD ROOM  
 Operator: GC YOON  
 Test Specification: FCC PART15B  
 Comment: H  
 Start of Test: 2013-12-09 / 3:04:03 오후

**SCAN TABLE: "FCC CLASS B(H)"**

Short Description:		FCC CLASS B(H)					
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer	
150.0 kHz	500.0 kHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
500.0 kHz	5.0 MHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
5.0 MHz	30.0 MHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				



**MEASUREMENT RESULT: "PHONE\_fin QP"**

2013-12-09 3:06 오후

Frequency MHz	Level dB	Transd dB	Limit dB	Margin dB	Line	PE
0.150001	45.40	9.8	66	20.6	---	---
0.198001	47.70	9.8	64	16.0	---	---
0.270001	40.50	9.8	61	20.7	---	---
1.540000	35.60	9.9	56	20.4	---	---
3.824000	36.70	10.1	56	19.3	---	---
4.548000	33.80	10.2	56	22.2	---	---
20.604000	33.90	10.9	60	26.1	---	---
20.732000	33.00	11.0	60	27.0	---	---
22.144000	34.70	11.0	60	25.3	---	---

**MEASUREMENT RESULT: "PHONE\_fin AV"**

2013-12-09 3:06오후

Frequency MHz	Level dB <sub>μV</sub>	Transd dB	Limit dB <sub>μV</sub>	Margin dB	Line	PE
0.198001	31.40	9.8	54	22.3	---	---
0.270001	25.30	9.8	51	25.8	---	---
0.326001	20.50	9.8	50	29.0	---	---
1.056000	21.00	9.8	46	25.0	---	---
2.192000	23.50	10.0	46	22.5	---	---
3.668000	28.40	10.1	46	17.6	---	---
20.528000	27.10	10.9	50	22.9	---	---
21.500000	27.30	11.0	50	22.7	---	---
21.996000	26.40	11.0	50	23.6	---	---

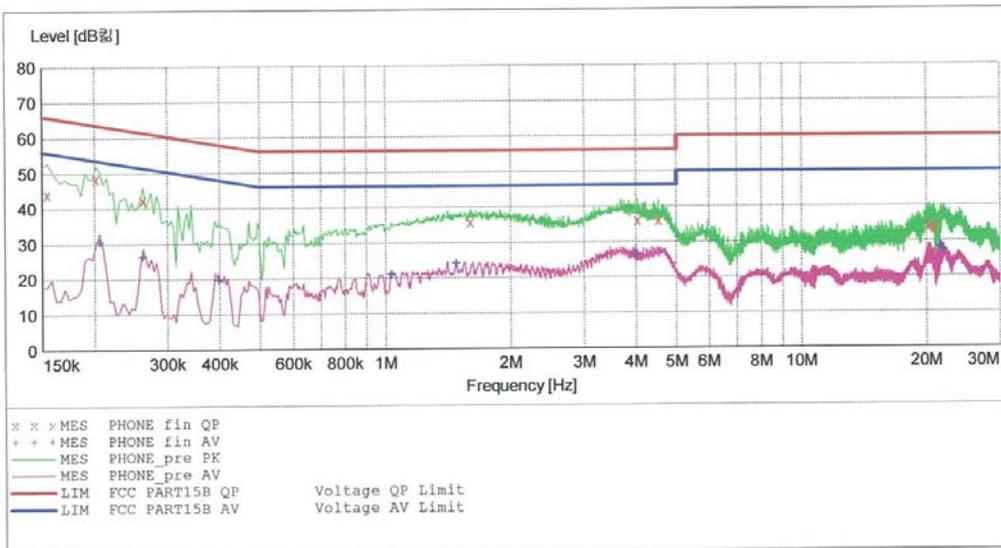
**HCT**

**EMC**

EUT: LGL34C  
 Manufacturer: LG  
 Operating Condition: DATA MODE (KSD CABLE)  
 Test Site: SHIELD ROOM  
 Operator: GC YOON  
 Test Specification: FCC PART15B  
 Comment: N  
 Start of Test: 2013-12-09 / 3:07:33오.후

**SCAN TABLE: "FCC CLASS B(N)"**

Short Description:			FCC CLASS B(N)				Transducer
Start	Stop	Step	Detector	Meas. Time	IF Bandw.		
150.0 kHz	500.0 kHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
500.0 kHz	5.0 MHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
5.0 MHz	30.0 MHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				



**MEASUREMENT RESULT: "PHONE\_fin QP"**

2013-12-09 3:10오.후

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.154001	44.10	10.0	66	21.6	---	---
0.202001	48.40	10.0	64	15.2	---	---
0.262001	42.30	10.0	61	19.0	---	---
1.604000	35.80	10.1	56	20.2	---	---
4.040000	36.10	10.3	56	19.9	---	---
4.528000	36.10	10.4	56	19.9	---	---
20.236000	34.00	11.3	60	26.0	---	---
20.820000	34.30	11.3	60	25.7	---	---
20.892000	33.40	11.3	60	26.6	---	---

**MEASUREMENT RESULT: "PHONE\_fin AV"**

2013-12-09 3:10 오후

Frequency MHz	Level dB <sub>μV</sub>	Transd dB	Limit dB <sub>μV</sub>	Margin dB	Line	PE
0.206001	30.40	10.0	53	23.0	---	---
0.262001	26.30	10.0	51	25.1	---	---
0.398001	19.80	10.0	48	28.1	---	---
1.036000	21.10	10.1	46	24.9	---	---
1.484000	24.20	10.1	46	21.8	---	---
4.004000	26.30	10.3	46	19.7	---	---
21.508000	28.50	11.3	50	21.5	---	---
21.712000	28.00	11.3	50	22.0	---	---
21.972000	27.10	11.4	50	22.9	---	---

Limit Apply to : FCC PART 15 Subpart B Class B

Detector : Quasi-Peak, Average (6 dB Bandwidth: 9 kHz)

Operation Mode : Data Communication mode

USB Cable : BROAD (EAD62377902)

Temperature : 20.1°C

Humidity Level : 38.6 %

Test Date : December 09, 2013

Frequency	Transd	Conductor	Quasi-Peak			Average		
			Limit	Measurement Level	Result Level	Limit	Measurement Level	Result Level
(MHz)	(dB)		(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dBuV]
0.150	9.8	H	66	35.9	45.7	56	-	-
0.198	9.8	H	64	37.8	47.6	54	22.2	32.0
0.202	10.0	N	64	39.2	49.2	54	-	-
3.892	10.3	N	56	27.9	38.2	46	-	-
3.976	10.3	N	56	-	-	46	17.8	28.1
4.104	10.1	H	56	-	-	46	18.5	28.6

※ **NOTE:** Refer to page 16 to page 19 for details.

1. Line H = Hot, Line N = Neutral
2. Transd = LISN factor + Cable Loss factor

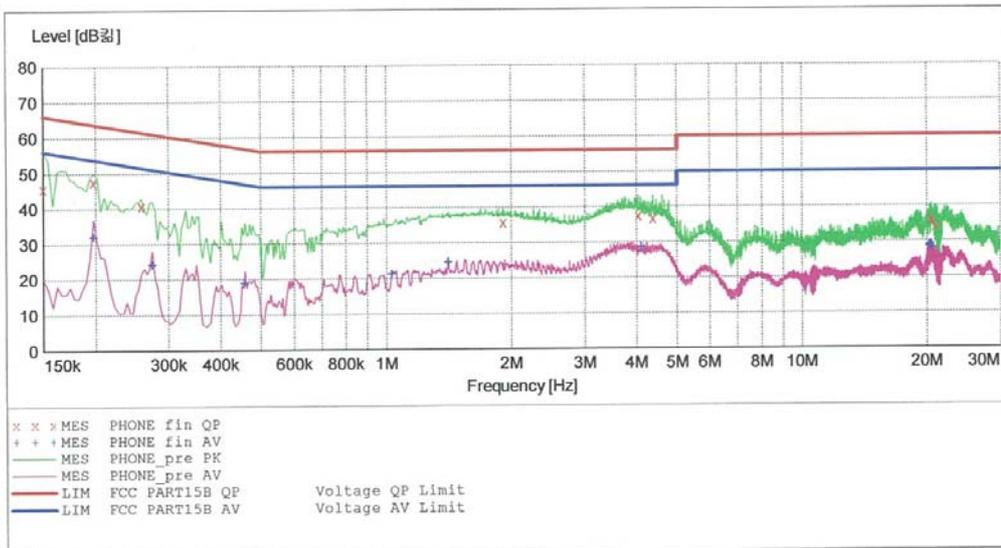
**HCT**

**EMC**

EUT: LGL34C  
 Manufacturer: LG  
 Operating Condition: DATA MODE (BROAD CABLE)  
 Test Site: SHIELD ROOM  
 Operator: GC YOON  
 Test Specification: FCC PART15B  
 Comment: H  
 Start of Test: 2013-12-09 / 3:00:32 오후

**SCAN TABLE: "FCC CLASS B(H)"**

Short Description:			FCC CLASS B(H)				Transducer
Start	Stop	Step	Detector	Meas. Time	IF Bandw.		
Frequency	Frequency	Width					
150.0 kHz	500.0 kHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
500.0 kHz	5.0 MHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
5.0 MHz	30.0 MHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				



**MEASUREMENT RESULT: "PHONE\_fin QP"**

2013-12-09 3:03 오후

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.150001	45.70	9.8	66	20.3	---	---
0.198001	47.60	9.8	64	16.0	---	---
0.258001	40.70	9.8	62	20.8	---	---
1.912000	35.70	9.9	56	20.3	---	---
4.036000	37.30	10.1	56	18.7	---	---
4.388000	36.70	10.2	56	19.3	---	---
20.396000	35.90	10.9	60	24.1	---	---
20.524000	35.80	10.9	60	24.2	---	---
21.020000	34.20	11.0	60	25.8	---	---

**MEASUREMENT RESULT: "PHONE\_fin AV"**

2013-12-09 3:03오후

Frequency MHz	Level dB <sub>μV</sub>	Transd dB	Limit dB <sub>μV</sub>	Margin dB	Line	PE
0.198001	32.00	9.8	54	21.7	---	---
0.274001	24.10	9.8	51	26.9	---	---
0.458001	19.00	9.8	47	27.7	---	---
1.032000	21.40	9.8	46	24.6	---	---
1.412000	24.60	9.9	46	21.4	---	---
4.104000	28.60	10.1	46	17.4	---	---
20.256000	28.60	10.9	50	21.4	---	---
20.388000	29.00	10.9	50	21.0	---	---
20.528000	28.00	10.9	50	22.0	---	---

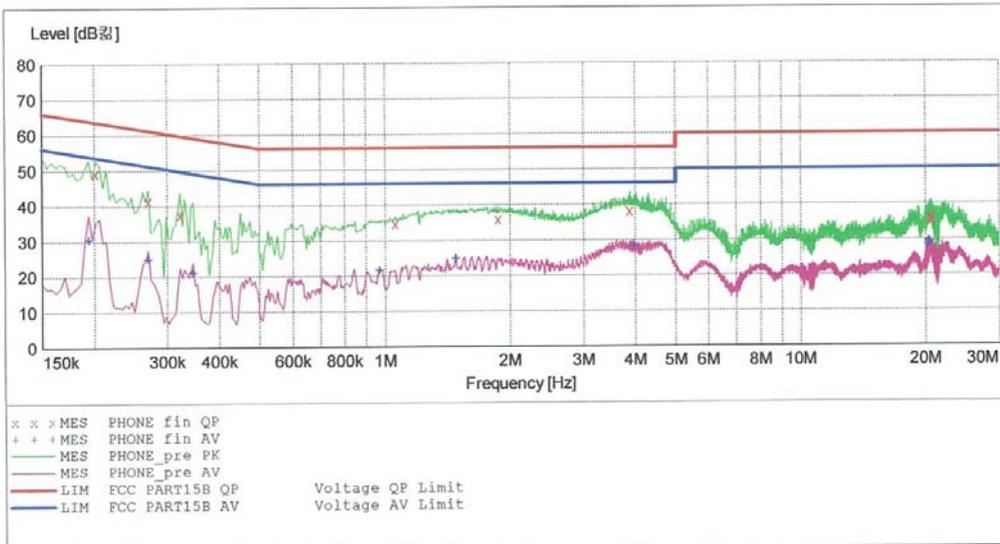
**HCT**

**EMC**

EUT: LGL34C  
 Manufacturer: LG  
 Operating Condition: DATA MODE (BROAD CABLE)  
 Test Site: SHIELD ROOM  
 Operator: GC YOON  
 Test Specification: FCC PART15B  
 Comment: N  
 Start of Test: 2013-12-09 / 2:56:50 오후

**SCAN TABLE: "FCC CLASS B(N)"**

Short Description:			FCC CLASS B(N)				Transducer
Start	Stop	Step	Detector	Meas. Time	IF Bandw.		
150.0 kHz	500.0 kHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
500.0 kHz	5.0 MHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				
5.0 MHz	30.0 MHz	4.0 kHz	MaxPeak	10.0 ms	9 kHz	None	
			Average				



**MEASUREMENT RESULT: "PHONE\_fin QP"**

2013-12-09 2:59 오후

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.202001	49.20	10.0	64	14.4	---	---
0.270001	41.40	10.0	61	19.7	---	---
0.322001	37.60	10.0	60	22.0	---	---
1.060000	34.80	10.1	56	21.2	---	---
1.872000	35.90	10.1	56	20.1	---	---
3.892000	38.20	10.3	56	17.8	---	---
20.520000	36.30	11.3	60	23.7	---	---
20.588000	35.30	11.3	60	24.7	---	---
20.732000	35.80	11.3	60	24.2	---	---

**MEASUREMENT RESULT: "PHONE\_fin AV"**

2013-12-09 2:59 오후

Frequency MHz	Level dB <sub>μV</sub>	Transd dB	Limit dB <sub>μV</sub>	Margin dB	Line	PE
0.194001	30.50	10.0	54	23.4	---	---
0.270001	24.80	10.0	51	26.3	---	---
0.346001	21.10	10.0	49	28.0	---	---
0.972000	21.70	10.0	46	24.3	---	---
1.484000	24.80	10.1	46	21.2	---	---
3.976000	28.10	10.3	46	17.9	---	---
20.244000	28.40	11.3	50	21.6	---	---
20.324000	29.20	11.3	50	20.8	---	---
20.452000	29.10	11.3	50	20.9	---	---

## 4.2 Radiated Emission Test

The following table shows the highest levels of Radiated Emissions on both polarization of horizontal and vertical.

### -For measurement below 1 GHz

Limit Apply to : FCC PART 15 Subpart B Class B

Detector : Quasi-Peak (6 dB Bandwidth: 120 kHz)

Operation Mode : Data Communication mode

USB Cable : KSD (EAD62377903)

Temperature : 20.4°C

Humidity Level : 32.4 %

Test Date : November 27, 2013

Frequency (MHz)	Reading (dBUV)	Antenna Height (m)	Polarity (H/V)	Correction Factor		Limit (dBUV/m)	Level (dBUV/m)	Margin (dB)
				Antenna (dB/m)	Cable (dB)			
30.6	16.22	1.8	V	11.36	3.33	40.0	30.91	9.09
33.3	15.40	1.0	V	11.43	3.34	40.0	30.17	9.83
124.9	18.54	1.2	V	12.01	3.89	43.5	34.44	9.06
151.5	17.04	2.0	H	12.95	4.01	43.5	34.00	9.50
374.9	17.02	1.0	H	15.07	4.79	46.0	36.88	9.12
625.0	12.56	1.0	V	19.97	5.39	46.0	37.92	8.08

Limit Apply to : FCC PART 15 Subpart B Class B

Detector : Quasi-Peak (6 dB Bandwidth: 120 kHz)

Operation Mode : Data Communication mode

USB Cable : BROAD (EAD62377902)

Temperature : 20.4°C

Humidity Level : 32.4 %

Test Date : November 27, 2013

Frequency (MHz)	Reading (dBUV)	Antenna Height (m)	Polarity (H/V)	Correction Factor		Limit (dBUV/m)	Level (dBUV/m)	Margin (dB)
				Antenna (dB/m)	Cable (dB)			
31.4	16.73	1.0	V	11.38	3.33	40.0	31.44	8.56
37.7	13.14	1.0	V	11.76	3.37	40.0	28.27	11.73
124.9	18.21	1.3	V	12.01	3.89	43.5	34.11	9.39
151.6	20.04	1.0	V	12.95	4.01	43.5	37.00	6.50
374.9	16.14	1.0	H	15.07	4.79	46.0	36.00	10.00
625.0	12.86	1.0	V	19.97	5.39	46.0	38.22	7.78

**-For measurement above 1 GHz**

Limit Apply to : FCC PART 15 Subpart B Class B

Detector : Peak mode: Peak (RBW: 1 MHz, VBW: 1 MHz)  
 : Average mode: Peak (RBW: 1 MHz, VBW: 10 Hz)

Operation Mode : Data Communication mode

USB Cable : KSD (EAD62377903)

Temperature : 20.2°C

Humidity Level : 32.5 %

Test Date : December 02, 2013

Frequency (GHz)	Peak			POL	Average		
	Total (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)		Total (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1.9993	57.90	74	16.1	V	30.20	54	23.8
2.0617	53.10	74	20.9	V	29.00	54	25.0
2.6556	54.50	74	19.5	V	31.30	54	22.7

**※ NOTE:**

1. Measurement above 1 GHz was performed from 1 GHz to the 5<sup>th</sup> harmonic of highest fundamental frequency. Test was measured by 12 GHz.

Limit Apply to : FCC PART 15 Subpart B Class B

Detector : Peak mode: Peak (RBW: 1 MHz, VBW: 1 MHz)  
 : Average mode: Peak (RBW: 1 MHz, VBW: 10 Hz)

Operation Mode : Data Communication mode

USB Cable : BROAD (EAD62377902)

Temperature : 20.2°C

Humidity Level : 32.5 %

Test Date : December 02, 2013

Frequency (GHz)	Peak			POL	Average		
	Total (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)		Total (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)
1.3310	52.40	74	21.6	V	27.40	54	26.6
1.9927	54.40	74	19.6	V	29.70	54	24.3
2.6550	53.00	74	21.0	V	31.30	54	22.7

※ **NOTE:**

1. Measurement above 1 GHz was performed from 1 GHz to the 5<sup>th</sup> harmonic of highest fundamental frequency. Test was measured by 12 GHz.

## 5. FIELD STRENGTH CALCULATION

The field strength is calculated by adding the antenna factor and cable factor.  
The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CF$$

Where FS = Field Strength

RA = Receiver Amplitude

AF = Antenna Factor

CF = Cable Attenuation Factor

Assume a receiver reading of 21.5 dB $\mu$ V is obtained. The antenna factor of 7.4 dB/m and a cable factor of 1.1 dB are added. The 30 dB $\mu$ V/m value is mathematically converted to its corresponding level in  $\mu$ V/m.

$$FS = 21.5 + 7.4 + 1.1 = 30 \text{ dB}\mu\text{V/m}$$

### [Radiated Emission Limits]

Frequency of Emission (MHz)	Field Strength	
	$\mu$ V/m	dB $\mu$ V/m
30 to 88	100	40.0
88 to 216	150	43.5
216 to 960	200	46.0
Above 960	500	54.0

## 6. TEST EQUIPMENT

<u>Type</u>	<u>Manufacturer</u>	<u>Model Name</u>	<u>Serial Number</u>	<u>Calibration Cycle</u>	<u>Next CAL Date</u>
<b><u>Conducted Emission</u></b>					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESCI	100584	1 year	2014.04.25
<input checked="" type="checkbox"/> LISN	EMCO	3816/2SH	9706-1070	1 year	2014.04.26
<input checked="" type="checkbox"/> LISN	Rohde & Schwarz	ENV216	100073	1 year	2014.02.06
<input type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESCI	100033	1 year	2014.06.23
<input type="checkbox"/> LISN	Rohde & Schwarz	ESH3-Z5	100282	1 year	2014.07.03
<input type="checkbox"/> Attenuator	Rohde & Schwarz	ESH3-Z2	357.8810.352	1 year	2014.07.03
<b><u>Radiated Emission (30 Mhz to 1 GHz)</u></b>					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESI40	831564103	1 year	2014.04.16
<input checked="" type="checkbox"/> Trilog Antenna	Schwarzbeck	VULB9160	3301	2 year	2014.12.17
<input checked="" type="checkbox"/> Antenna master	HD GmbH	MA240	240/520	N/A	-
<input checked="" type="checkbox"/> Turn Table	HD GmbH	2090	9702/1224	N/A	-
<input type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESU 26	100241	1 year	2014.07.01
<input type="checkbox"/> Trilog Antenna	Schwarzbeck	VULB9168	185	2 year	2015.04.16
<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	-
<b><u>Radiated Emission (1 GHz to 12 GHz)</u></b>					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESI40	831564103	1 year	2014.04.16
<input checked="" type="checkbox"/> Antenna master	HD GmbH	MA240	240/520	N/A	-
<input checked="" type="checkbox"/> Turn Table	HD GmbH	2090	9702/1224	N/A	-
<input checked="" type="checkbox"/> Power Amplifier	CERNEX	CBLU1183540	21690	1 year	2014.07.12
<input checked="" type="checkbox"/> Horn Antenna	Schwarzbeck	BBHA 9120D	296	2 year	2014.12.13
<input type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESU 26	100241	1 year	2014.07.01
<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	-

## **7. CONCLUSION**

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The data collected shows that the **EUT type: Cellular/PCS CDMA/EVDO Phone with Bluetooth and WLAN, FCC ID: ZNFL34C, Model: LGL34C** complies with §15.107 and §15.109 of the FCC rules.