

HCT CO., LTD.

Product Compliance Division

TEL: +82 31 639 8518 FAX: +82 31 639 8525

FCC PART 15.247 Class II Permissive Change

Applicant Name:

LG Electronics Inc.

60-39, Gasan-dong, Gumchon-gu, Seoul 153-023,

Korea

Date of Issue:

October 22, 2009 **Test Site/Location:**

HCT.CO., LTD., San 136-1 Ami-ri, Bubal-eup, Icheon-si,

Kyungki-do, Korea

Test Report No.: HCTR0910FR10

HCT FRN: 0005866421

IC Recognition No.: 5944A-1

FCC ID:

IC ID:

BEJBL40G

2703C-BL40

APPLICANT:

LG Electronics, Inc.

FCC Model(s):

BL40g

IC Model(s):

BL40g

EUT Type:

Cellular/ PCS GSM/ WCDMA/ EDGE Phone with Bluetooth/ WLAN/ FMT

FCC Rule Part(s):

Part 15 Subpart C (15.239)

Frequency Range

88.1 ~ 107.9 MHz

FCC Rule Part(s)

FCC Part 15 Low Power Communication Device TX (DXX)

IC Rule:

RSS-210, RSS-GEN

IC Registration No.:

5944A-1

Application Type:

FCC Class II Permissive Change

Engineering Statement:

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them.

HCT CO., LTD. Certifies that no party to this application has been denied FCC benefits pursuant to section 5301 of the Anti-Drug Abuse Act of 1998,21 U.S. C.862

Report prepared by : Hyo Sun Kwak

Test engineer of RF Team

Approved by

: Sang Jun Lee Manager of RF Team

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1. GENERAL INFORMATION

Applicant: LG Electronics Inc.

Address: 60-39, Gasan-dong, Gumchon-gu, Seoul 153-023, Korea

 FCC ID:
 BEJBL40G

 IC ID:
 703C-BL40

Application Type: FCC Class II Permissive Change

EUT: Cellular/ PCS GSM/ WCDMA/ EDGE Phone with Bluetooth/ WLAN/ FMT

Model name(s): FCC: BL40g

IC: BL40g

Date of Test: October 22, 2009

Contact person: Name: Bong Hyo, Han

Phone #: +82-2-2033-1108 Fax #: +82-2-2033-1222

Place of Tests: HCT Co., Ltd.

Icheon, Kyounki-Do, Korea (IC Recognition No.: 5944A-1)

2. EUT DESCRIPTION

Product	Cellular/ PCS GSM/ WCDMA/ EDGE Phone with Bluetooth/ WLAN/ FMT
Model name(s):	FCC: BL40g IC: BL40g
Power Supply	DC 3.7 V
Frequency Range	88.1 ~ 107.9 MHz
FCC CLASSIFICATION	FCC Part 15 Low Power Communication Device TX (DXX)
Antenna Specification	Antenna type: mono pole type

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3. TEST METHODOLOGY

The measurement procedure described in the American National Standard for Methods of Measurement of Radio-Noise Emission from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz(ANSI C63.4-2003)

3.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2 EUT EXERCISE

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.205, 15.207, 15.209 and 15.239 under the FCC Rules Part 15 Subpart C.

3.3 GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4. (Version :2003) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 13.1.4.1 of ANSI C63.4. (Version: 2003)

3.4 DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Channel low, mid and high with highest data rate (worst case) is chosen for full testing.

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4. INSTRUMENT CALIBRATION

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

5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

The open area test site and conducted measurement facility used to collect the radiated data are located at the 254-1,Maekok-Ri, Hobup-Myun, Ichon-Si, Kyoungki-Do, 467-701, KOREA. The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2003) and CISPR Publication 22. Detailed description of test facility was submitted to the Commission and accepted dated June 10, 2009(Registration Number: 90661)

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements. Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

6. ANTENNA REQUIREMENTS

According to FCC 47 CFR §15.203:

"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."

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^{*} The antennas of this E.U.T are permanently attached.

^{*}The E.U.T Complies with the requirement of §15.203



7. TEST RESULT

Summary

The intentional radiator has been bench tested to demonstrate compliance with the relevant FCC performance and procedural standards. The volume was set to maximum with the cell phone software playing the MP3 file and the FM transmitter was transmitting at full power on the selected frequency. The frequencies tested are high (107.9MHz), middle(98.3MHz) and low (88.1MHz) of the allocated band. Final system data was gathered in a mode that tended to maximize emissions by varying the orientation of the EUT, orientation of antenna and I/O cabing, antenna seach height, and antenna polarization. The unit was tested at the lowest, highest and mid frequency of operation in three orthogonal positions with the worst case reported.

Method/System:	FM Transmitter
Number of Channels :	199

Summary of Test Results

FCC Part	RSS	Test Description	Toot I imit	Test	Test		
Section(s)	Section		Test Limit	Condition	Result		
TRANSMITT	TRANSMITTER MODE (TX)						
15.239(a)	RSS-210	20dB Bandwidth	< 200 kHz		PASS		
	[A.2.8]						
15.239(b)	RSS-210	Field Strength	< 250 uV/m @ 3 meters		PASS		
	[A.2.8]						
15.239(a)	RSS-210	Number of Channels	200 Channels		PASS		
	[A.2.8]			Radiated			
15.205	RSS-210	General Field Strength	<fcc 15.209="" limits="" or<="" td=""><td></td><td>PASS</td></fcc>		PASS		
15.209	[A.2.8]	Limits(Restricted Bands	<rss-210 3limits<="" table="" td=""><td></td><td></td></rss-210>				
		and Radiated Emission	Emissions in restricted bands				
		Limits)	must meet the radiated limits				
			detailed in 15.209				
15.207	RSS-GEN	AC Conducted Emissions	<fcc 15.207="" limits="" or<="" td=""><td>Line</td><td>PASS</td></fcc>	Line	PASS		
	[7.2.2]	150kHz ~ 30MHz	<rss-gen 2="" limits<="" table="" td=""><td>Conducted</td><td></td></rss-gen>	Conducted			

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7.1 20dB Bandwidth Measurement

Test Requirements and limit, §15.239(a)

The bandwidth at 20dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the receive antenna while the EUT is operating in transmission mode at the appropriate frequencies. For maximum power and bandwidth the volume was set to maximum with the cell phone software playing the MP3 file.

The maximum permissible 20dB bandwidth is 200 kHz.

■ TEST PROCEDURE

The spectrum analyzer is set to:

- 1. Span = 200 kHz
- 2. RBW = 30 kHz
- 3. VBW = 100 kHz

■ TEST RESULTS

20dB Bandwidth Measurements

FREQUENCY (kHz)	20dB BW (kHz)	Limit (kHz)	Results
88.1	99.6	200	Pass
98.3	102.4	200	Pass
107.5	101.2	200	Pass

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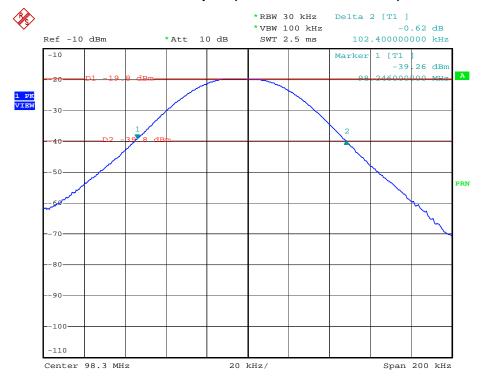


■ RESULT PLOTS



Date: 1.JUL.2009 12:43:43

20dB Bandwidth plot (Mid Channel: 98.3MHz)

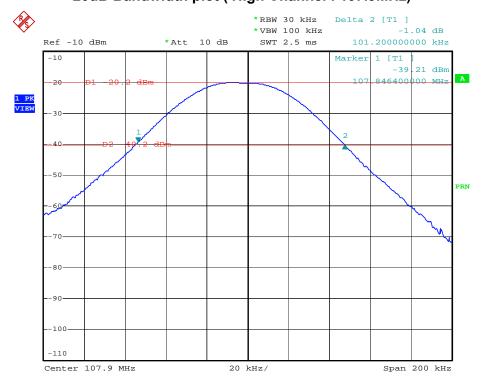


Date: 1.JUL.2009 12:45:36

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20dB Bandwidth plot (High Channel : 107.9MHz)



Date: 1.JUL.2009 12:46:57

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7.2 Field Strength Measurements

Test Requirements and limit, §15.239

Note:

The unit was tested with the lowest, highest and mid channels. Three orthogonal positions were tested with the worst case levels reported.

■ TEST RESULTS

Field Strength Measurements at 3 meters

Frequency [MHz]	Reading dBuV	Ant. Factor	Cable Loss	Pol [H/V]	Height [m]	Azimuth [degrees]	Field Strength	Limit dBuV/m	Margin [dB]	Detect
88.10	27.84	8.3	2.2	Н	2.5	101.8	38.34	67.96	29.62	PK
88.10	26.08	8.3	2.2	Н	2.5	101.8	36.58	47.96	11.38	AV
88.10	30.4	8.3	2.2	V	1.3	87.5	40.90	67.96	27.06	PK
88.10	28.17	8.3	2.2	V	1.3	87.5	38.67	47.96	9.29	AV
98.30	31.01	8.9	2.4	Н	1.8	114.1	42.31	67.96	25.65	PK
98.30	29.57	8.9	2.4	Н	1.8	114.1	40.87	47.96	7.09	AV
98.30	30.92	8.9	2.4	V	1.0	232.6	42.22	67.96	25.74	PK
98.30	28.85	8.9	2.4	V	1.0	232.6	40.15	47.96	7.81	AV
107.9	36.39	9.7	2.5	Н	1.4	104.1	48.59	67.96	19.37	PK
107.9	33.06	9.7	2.5	Н	1.4	104.1	45.26	47.96	2.70	AV
107.9	33.97	9.7	2.5	V	1.2	286.4	46.17	67.96	21.79	PK
107.9	32.84	9.7	2.5	V	1.2	286.4	45.04	47.96	2.92	AV

- 1. The antenna is manipulated through typical positions, polarity and length during the testing.
- 2. The EUT is supplied with the nominal DC voltage or / and new / fully re-charged battery.
- 3. Levels recorded in the above table are average and peak measurements.

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7.2.1 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 25.44 dBuV is obtained. The Antenna Factor of 8.1 dB/m and a Cable Factor of 2.2 dB is added. The 35.74 dBuV/m value is mathematically converted to its corresponding level in uV/m.

FS = 26.4 + 8.1 + 2.2 = 36.7 dBuV/m

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7.3 Number of Channels (Tuning Range)

Test Requirements and limit, §15.239

Measurement is made while EUT is operating in transmitting mode.

Frequency / Channel Operations

Ch.	Frequency(MHz)
00	88.1
01	88.2
102	98.2
103	98.3
104	98.4
198	107.8
199	107.9

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7.4 Radiated Spurious Emissions

<u>LIMIT</u>

1. 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed

Frequency (MHz)	Field Strength (uV/m)	Measurement Distance (m)		
0.009 - 0.490	2400/F(kHz)	300		
0.490 - 1.705	24000/F(kHz)	30		
1.705 – 30	30 (29.5 dBuV/m)	30		
30-88	100 (40 dBuV/m)	3		
88-216	150 (43.5 dBuV/m)	3		
216-960	200 (46 dBuV/m)	3		
Above 960	500 (54 dBuV/m)	3		

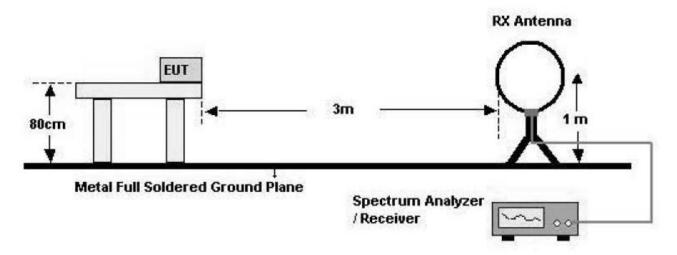
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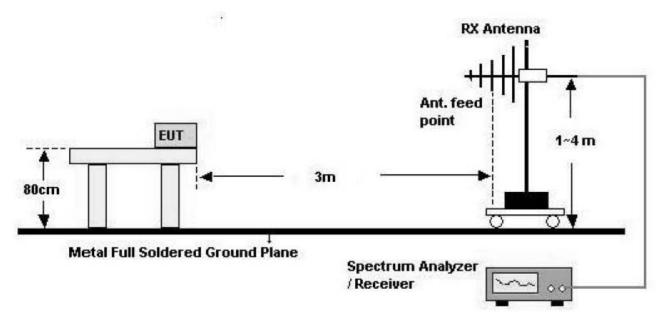


Test Configuration

Below 30 MHz



30 MHz - 1 GHz



TEST PROCEDURE

- 1. The EUT is placed on a turntable, which is 0.8 m above ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3 m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Repeat above procedures until the measurements for all frequencies are complete.

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7.4.1 Radiated Spurious Measurements

Test Requirements and limit, §15.239

Mode:	TX
Measurement Distance :	3 Meters
Operating Frequency :	107.9 MHz

Radiated Spurious Measurements at 3 – meters

Frequency [MHz]	Reading dBuv	Ant. Factor	Cable Loss dB	ANT Pol [H/V]	Height [m]	Azimuth [degrees]	Field Strength [dBuV/m]	Limit dBuV/m	Margin [dB]
215.80	4.45	10.4	1.6	Н	1.3	106.8	16.45	43.5	27.05
323.69	6.26	13.5	1.9	Н	1.5	112.5	21.66	46.0	24.34
215.80	5.60	10.4	1.6	٧	1.3	265.1	17.60	43.5	25.90
323.69	6.49	13.5	1.9	V	1.2	269.6	21.89	46.0	24.11

- 1. The antenna is manipulated through typical positions, polarity and length during the testing
- 2. The EUT is supplied with the nominal DC voltage or/and a new/fully re-charged battery.
- 3. The spectrum is measured from 9kHz up to the 10th harmonic and the worst-case emissions are reported.
- 4. There is detected level above reference noise floor spectrum analyzer. Except above frequency.

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Radiated Spurious Measurements(cont.)

Test Requirements and limit, §15.239

Mode:	TX
Measurement Distance :	3 Meters
Operating Frequency :	98.3 MHz

Radiated Spurious Measurements at 3 – meters

Frequency [MHz]	Reading dBuV	Ant. Factor dB/m	Cable Loss dB	Pol [H/V]	Height [m]	Azimuth [degrees]	Field Strength [dBuV/m]	Limit dBuV/m	Margin [dB]
196.60	6.54	10.2	1.5	Н	1.6	157.4	18.24	43.5	25.26
294.90	7.03	12.9	1.9	Н	1.4	89.9	21.83	46.0	24.17
196.60	5.21	10.2	1.5	٧	1.2	76.5	16.91	43.5	26.59
294.90	4.83	12.9	1.9	٧	1.1	104.6	19.63	46.0	26.37

- 1. The antenna is manipulated through typical positions, polarity and length during the testing
- 2. The EUT is supplied with the nominal DC voltage or/and a new/fully re-charged battery.
- 3. The spectrum is measured from 9kHz up to the 10th harmonic and the worst-case emissions are reported.
- 4. There is detected level above reference noise floor spectrum analyzer. Except above frequency

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Radiated Spurious Measurements(cont.)

Test Requirements and limit, §15.239

Mode:	TX
Measurement Distance :	3 Meters
Operating Frequency :	88.1 MHz

Radiated Spurious Measurements at 3 – meters

Frequency [MHz]	Reading dBuV	Ant. Factor dB/m	Cable Loss dB	Pol [H/V]	Height [m]	Azimuth [degrees]	Field Strength [dBuV/m]	Limit dBuV/m	Margin [dB]
176.20	5.62	11.8	1.4	Н	1.3	236.1	18.82	43.5	24.68
264.30	5.14	11.9	1.8	Н	1.5	211.5	18.84	46.0	27.16
176.20	5.1	11.8	1.4	٧	1.2	187.2	18.30	43.5	25.2
264.30	4.78	11.9	1.8	V	1.1	143.6	18.48	46.0	27.52

- 1. The antenna is manipulated through typical positions, polarity and length during the testing
- 2. The EUT is supplied with the nominal DC voltage or/and a new/fully re-charged battery.
- 3. The spectrum is measured from 9kHz up to the 10th harmonic and the worst-case emissions are reported.
- 4. There is detected level above reference noise floor spectrum analyzer. Except above frequency

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7.5 POWERLINE CONDUCTED EMISSIONS

Test Requirements and limit, §15.207

For an intentional radiator which 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 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Evenuency Benne (MUT)	Limits (dBμV)			
Frequency Range (MHz)	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		

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

TEST PROCEDURE

- 1. The EUT is placed on a wooden table 80 cm above the reference groundplane.
- 2. The EUT is connected via LISN to a test power supply.
- 3. The measurement results are obtained as described below:
- 4. Detectors Quasi Peak and Average Detector.

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RESULT PLOTS

HCT

EMC

EUT: BL40g

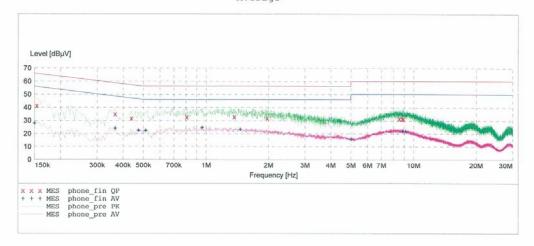
LG Electronics Inc. Manufacturer:

Operating Condition: FMT Mode Test Site: SHIELD ROOM Operator: YH-LEE

Test Specification: CISPR22 Class B

Comment:

SCAN TABLE: "CISPR22 CLASS B"
Short Description: KN KN22 CLASS B Start Stop Step Detector Meas. IF Transducer Bandw. Frequency Frequency Width Time 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"

7/8/2009	5:02	PM					
Frequ	iency	Level	Transd	Limit	Margin	Line	PE
	MHz	dBµV	dB	dBµV	dB		
0.15	1000	41 40	10 1		24.2		
	54000	41.40	10.1	66	24.3		
0.36	56000	35.00	10.1	59	23.6		
0.43	38000	31.80	10.1	57	25.3		
0.80	00080	32.80	10.1	56	23.2		
1.36	00085	32.90	10.1	56	23.1		
1.97	72000	32.00	10.2	56	24.0		
8.52	00085	31.50	10.6	60	28.5		
8.81	6000	31.70	10.6	60	28.3		
8.91	6000	31.40	10.6	60	28.6		

MEASUREMENT RESULT: "phone_fin AV"

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7/8/2009 5:02PM Level Transd Limit Margin Line PE Frequency dB MHz dBµV dB dBµV 0.150000 10.1 56 28.30 27.7 ---24.2 ---0.366000 24.40 10.1 49

HCT PT.15.247 TEST REPORT		www.hct.co.kr		
Test Report No.	Test Dates:	EUT Type:	FCC ID:	IC:
HCTR0910FR10	October 22, 2009	Cellular/ PCS GSM/ WCDMA/ EDGE Phone with Bluetooth/ WLAN/ FMT	BEJBL40G	2703C-BL40



MEASUREMENT RESULT: "phone_fin AV"

(continued) Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.474000	22.70	10.1	46	23.7		
0.512000	22.60	10.1	46	23.4		
0.956000	24.80	10.1	46	21.2		
1.460000	23.50	10.1	46	22.5		
5.000000	16.30	10.3	46	29.7		
8.896000	22.30	10.6	50	27.7		
9.148000	22.10	10.6	50	27.9		

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HCT PT.15.247 TEST REPORT		www.hct.co.kr		
Test Report No.	Test Dates:	EUT Type:	FCC ID:	IC:
HCTR0910FR10	October 22, 2009	Cellular/ PCS GSM/ WCDMA/ EDGE Phone with Bluetooth/ WLAN/ FMT	BEJBL40G	2703C-BL40



HCT

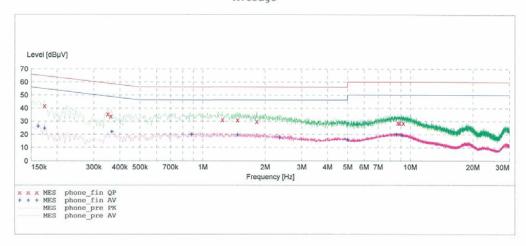
EMC

EUT: BL40g
Manufacturer: LG Electronics Inc.
Operating Condition: FMT Mode
Test Site: SHIELD ROOM
Operator: YH-LFF
Test Specific Test Specification: CISPR22 Class B

Comment:

SCAN TABLE: "CISPR22 CLASS B"

Short Desc	ription:		KN22 CLASS	В		
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	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"

7/8/	2009 5:06	PM					
F	requency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
	0.174000	41.70	10.1	65	23.0		
	0.350000	35.30	10.1	59	23.7		
	0.362000	33.70	10.1	59	24.9		
	1.244000	31.00	10.1	56	25.0		
	1.472000	30.70	10.1	56	25.3		
	1.824000	29.60	10.2	56	26.4		
	8.728000	28.70	10.6	60	31.3		
	8.896000	28.60	10.6	60	31.4		
	9.240000	28.60	10.6	60	31.4		

MEASUREMENT RESULT: "phone_fin AV"

7/8/2009	5:06	PM					
Freque	ncy	Level	Transd		Margin	Line	PE
	MHz	dΒμV	dB	dΒμV	dB		
0.162	000	26.20	10.1	55	29.2		
0.174	000	24.60	10.1	55	30.2		

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HCT PT.15.247 TEST REPORT	FCC Class II Permissive Change REPORT			www.hct.co.kr
Test Report No.	Test Dates:	EUT Type:	FCC ID:	IC:
HCTR0910FR10	October 22, 2009	Cellular/ PCS GSM/ WCDMA/ EDGE Phone with Bluetooth/ WLAN/ FMT	BEJBL40G	2703C-BL40



MEASUREMENT RESULT: "phone_fin AV"

(continued) Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Line	PE
0.366000	22.00	10.1	49	26.6		
0.884000	19.80	10.1	46	26.2		
1.472000	19.50	10.1	46	26.5		
2.348000	17.70	10.2	46	28.3		
5.000000	16.00	10.3	46	30.0		
8.596000	19.80	10.6	50	30.2		
9.124000	19.40	10.6	50	30.6		

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HCT PT.15.247 TEST REPORT		www.hct.co.kr		
Test Report No.	Test Dates:	EUT Type:	FCC ID:	IC:
HCTR0910FR10	October 22, 2009	Cellular/ PCS GSM/ WCDMA/ EDGE Phone with Bluetooth/ WLAN/ FMT	BEJBL40G	2703C-BL40



8. CONCLUSION

The data collected relate only the item(s) tested and show that the LG Electronics Inc. Portable Navigation FCC ID: BEJBL40G is in compliance with Part 15 Subpart C 15.239) of the FCC Rules.

HCT PT.15.247 TEST REPORT		www.hct.co.kr		
Test Report No.	Test Dates:	EUT Type:	FCC ID:	IC:
HCTR0910FR10	October 22, 2009	Cellular/ PCS GSM/ WCDMA/ EDGE Phone with Bluetooth/ WLAN/ FMT	BEJBL40G	2703C-BL40



9. LIST OF TEST EQUIPMENT

Manufacturer	Model / Equipment	Cal Interval	Calibration Due	Serial No.
Rohde & Schwarz	ESH2-Z5/ LISN	Annual	04/10/2010	861741/013
Rohde & Schwarz	ESH3-Z6/ LISN	Annual	06/13/2010	100329
Schwarzbeck	VULB 9160/ TRILOG Antenna	Biennial	12/18/2010	9160-3150
HD	MA240/ Antenna Position Tower	N/A	N/A	556
EMCO	1050/ Turn Table	N/A	N/A	114
HD GmbH	HD 100/ Controller	N/A	N/A	13
HD GmbH	KMS 560/ SlideBar	N/A	N/A	12
Rohde & Schwarz	ESH3-Z2/ PULSE LIMITER	Annual	10/30/2009	375.8810.352
MITEQ	AMF-60-0010 1800-35-20P/AMP	Annual	05/20/2010	1200937
Schwarzbeck	BBHA 9120D/ Horn Antenna	Biennial	03/26/2010	147
Rohde & Schwarz	6502/Loop Antenna	Biennial	12/26/2009	9009-2536
Rohde & Schwarz	FSP30/Spectrum Analyzer	Annual	07/31/2010	839117/011
Agilent	E4416A /Power Meter	Annual	01/21/2010	GB41291412
Wainwright Instrument	WHF3.3/18G-10EF / High Pass Filter	Annual	06/29/2010	1
Hewlett Packard	11636B/Power Divider	Annual	12/24/2009	11377
DIGITAL	EP-3010 /DC POWER SUPPLY	Annual	01/07/2010	3110117

HCT PT.15.247 TEST REPORT		www.hct.co.kr		
Test Report No.	Test Dates:	EUT Type:	FCC ID:	IC:
HCTR0910FR10	October 22, 2009	Cellular/ PCS GSM/ WCDMA/ EDGE Phone with Bluetooth/ WLAN/ FMT	BEJBL40G	2703C-BL40