EMC TEST REPORT

Test item

: Mobile Handset

Model No.

: LG-D120f

Order No.

: DEMC1404-01248

Date of receipt

: 2014-04-07

Test duration

: 2014-04-11 ~ 2014-04-14

Date of Issue

: 2014-04-23

Applicant

: LG Electronics MobileComm U.S.A., Inc.

1000 Sylvan Avenue, Englewood Cliffs NJ 07632

Test laboratory

: Digital EMC Co., Ltd.

42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 449-935

Test specification

: ANSI C 63.4:2009

FCC Part 15 Subpart B

(Class B personal computers and peripherals)

Test environment

: Temperature : (22 ~ 23) °C,

Humidity: (38 ~ 45) % R.H.

Test result

: X Comply

■ Not Comply

The test results presented in this test report are limited only to the sample supplied by applicant and the use of this test report is inhibited other than its purpose.

This test report shall not be reproduced except in full, without the written approval of DIGITAL EMC CO., LTD.

Tested by:

Reviewed by:

Manager HyunSuk Ko Manager YoungKyu Shin

PRESIDENT OF DIGITAL EMC CO., LTD.

CONTENTS

| 1. General Remarks | 3 |
|--|----|
| 2. Test Laboratory | 3 |
| 3. General Information of EUT | 4 |
| 4. Test Summary | 5 |
| 4.1 Applied standards and test results | 5 |
| 4.2 Test environment and conditions | 5 |
| 4.3 Test result Summary | 5 |
| 5. Test Set-up and operation mode | 6 |
| 5.1 Principle of Configuration Selection | 6 |
| 5.2 Test Operation Mode | 6 |
| 5.3 Support Equipment Used | 6 |
| 6. Test Results : Emission | 7 |
| 6.1 Conducted Disturbance | 7 |
| 6.2 Radiated Disturbance | 10 |
| Appendix 1 | 18 |
| List of Test and Measurement Instruments | 18 |
| Appendix 2 | 20 |
| Report Revision History | 20 |

Report No.: DREFCC1404-0095

Total 20 pages

1. General Remarks

This report contains the result of tests performed by:

DIGITAL EMC CO., LTD.

Address: 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 449-935

http://www.digitalemc.com

Tel: +82-31-321-2664 Fax: +82-31-321-1664

2. Test Laboratory

Digital EMC Co., Ltd. has been accredited / filed / authorized by the agencies listed in the following table;

| Certificate | Nation | Agency | Code | Mark |
|---------------|---------|----------|---|----------------------------------|
| Accreditation | Korea | KOLAS | 393 | ISO/IEC 17025 |
| | USA | FCC | 101842 678747 596748 | Test Facility list & NSA Data |
| Site Filing | Canada | IC | 5740A-1 5740A-2 | Test Facility list & NSA Data |
| | Japan | | C-1427 R-1364, R-3385, R-4076, T-1442, G-338, G754 | Test Facility list & NSA Data |
| Certification | Korea | Korea KC | | Test Facility list & NSA Data |
| Certification | Germany | TUV | CARAT 13 11 86721 001 | ISO/IEC 17025 |

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the "General requirements for the competent of calibration and testing laboratory".

Report No.: DREFCC1404-0095

Total 20 pages

3. General Information of EUT

| Model No. | LG-D120f |
|-------------------------|--|
| Serial No | NONE |
| FCC ID | ZNFD120F |
| Supplied Power for Test | AC 120 V, 60 Hz |
| Clock Frequency | 1 GHz |
| Applicant | LG Electronics MobileComm U.S.A., Inc. 1000 Sylvan Avenue, Englewood Cliffs NJ 07632 |
| Manufacturer | LG Electronics MobileComm U.S.A., Inc. 1000 Sylvan Avenue, Englewood Cliffs NJ 07632 |

Related Submittal(s) / Grant(s)
Original submittal only.

Report No.: DREFCC1404-0095

Total 20 pages

4. Test Summary

4.1 Applied standards and test results

| Test Items | Applied Standards | Results |
|-----------------------|--|---------|
| Conducted Disturbance | ANSI C63.4:2009 | С |
| Radiated Disturbance | ANSI C63.4:2009 | С |
| C=Comply N/C=Not Com | pply N/T=Not Tested N/A=Not Applicable | |

The data in this test report are traceable to the national or international standards.

4.2 Test environment and conditions

| Test Items | Test date (YYYY-MM-DD) | Temp (℃) | Humidity (% R.H.) |
|-----------------------|---------------------------|-------------|----------------------|
| Conducted Disturbance | 2014-04-11 | 22 | 38 |
| Radiated Disturbance | 2014-04-14 | 23 | 45 |

4.3 Test result Summary

(1) Conducted Emission

| Frequency | Phase | Result | Detector | Limit | Margin |
|-----------|---------|--------|----------|--------|--------|
| [MHz] | i ilase | [dBµV] | Beleviol | [dBµV] | [dB] |
| 5.10550 | N | 44.9 | Average | 50.0 | 5.1 |

(2) Radiated Emission

| Frequency | Pol. | Result | Detector | Limit | Margin |
|-----------|-------|------------|------------|------------|--------|
| [MHz] | 1 01. | [dB(µV/m)] | Beteotor | [dB(µV/m)] | [dB] |
| 143.993 | Н | 33.5 | Quasi-Peak | 43.5 | 10.0 |

Report No.: DREFCC1404-0095

Total 20 pages

5. Test Set-up and operation mode

5.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

5.2 Test Operation Mode

- PC link mode (The measurement wasmade of the maximized by ; data exchange speed ; moving the cable.)

5.3 Support Equipment Used

| 0.0 0 | 5.5 Support Equipment Oseu | | | | | | | | |
|-----------------|----------------------------|--------------|------------------------------|--------------------|---------------|------------|-----------|--------|--|
| | | | | | CABLE | | | | |
| Unit | Model No. | Serial No. | Manufacturer | Connect type | Length (m) | shield | Backshell | FCC ID | |
| | | | | POWER | 1.8 | Non-shield | Plastic | | |
| | | | | DVI | 1.7 | Shield | Plastic | | |
| | | | | USB | 1.6 | Shield | Plastic | | |
| PC | DC8M | D8FQFBX | DELL | USB | 1.5 | Shield | Plastic | DOC | |
| PC | DColvi | DOFQFBA | DELL | USB | 1.0 | Shield | Plastic | DOC | |
| | | | | PARALLEL | 2.0 | Shield | Plastic | | |
| | | | | RJ45 10.0 Non-shie | Non-shield | Plastic | | | |
| | | | | STEREO | 2.1 | Non-shield | Plastic | | |
| LCD Monitor | M2450D-PN | 202KCYQ8Q586 | 1.0 | POWER | 1.8 | Non-shield | Plastic | DOC | |
| LCD WONTO | MZ450D-PN | 202NC1Q6Q566 | LG | DVI | 1.7 | Shield | Plastic | DOC | |
| Printer | SRP-770 | NONE | BIXOLON | PARALLEL | 2.0 | Shield | Plastic | DOC | |
| Filitei | 3KF-110 | NONE | BIXOLON | POWER | 1.7 | Non-shield | Plastic | DOC | |
| Keyboard | SKG-2100UB | TAKC119482T | MONTEREY INTERNATIONAL CORP. | USB | 1.6 | Shield | Plastic | DOC | |
| MOUSE | 1094 | X817158-002 | MICROSOFT CORPORATION | USB | 1.5 | Shield | Plastic | DOC | |
| External HDD | 9ZR8N1-500 | NA0H2L7Z | Seagate | USB | 1.0 | Shield | Plastic | DOC | |
| HEADSET | COV903 | NONE | COSY | STEREO | 2.1 | Non-shield | Plastic | - | |

Report No.: DREFCC1404-0095

Total 20 pages

6. Test Results: Emission

6.1 Conducted Disturbance

6.1.1 Measurement Procedure

In the range of 0.15 MHz to 30 MHz, the conducted disturbance was measured and set-up was made accordance with **ANSI C63.4.**

If the EUT is table top equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 0.4 m from the conducting wall of the shielded room.

Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height up to 0.15 m above the reference ground plane.

Connect the EUT's power source lines to the appropriate power mains / peripherals through the LISN. All the other peripherals are connected to the 2nd LISN, if any.

Unused measuring port of the LISN was resistively terminated by 50 ohm terminator.

The measuring port of the LISN for EUT was connected to spectrum analyzer.

Using conducted emission test software, the emissions were scanned with peak detector mode.

After scanning over the frequency range, suspected emissions were selected to perform final measurement. When performing final measurement, the receiver was used which has Quasi-Peak detector and Average detector.

By varying the configuration of the test sample and the cable routing it was attempted to maximize the emission.

For further description of the configuration refer to the picture of the test set-up.

6.1.2 Limit for Conducted Disturbance

(1) Conducted disturbance at mains ports.

| | Limits dB(μV) | | | | | |
|--------------------------|---------------|----------|---------|----------|--|--|
| Frequency range (MHz) | Quas | si-peak | Average | | | |
| (111112) | Class A | Class B | Class A | Class B | | |
| 0.15 to 0.50 | 79 | 66 to 56 | 66 | 56 to 46 | | |
| 0.50 to 5 | 70 | 56 | 00 | 46 | | |
| 5 to 30 | 73 | 60 | 60 | 50 | | |

Note 1 The lower limit shall apply at the transition frequencies.

Note 2 The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Note) 1. Emission Level = Reading Value + Correction Factor.

- 2. Correction Factor = Cable Loss + Insertion Loss of LISN
- 3. Margin = Limit Emission level

Report No.: DREFCC1404-0095

Total 20 pages

Test Result

Results of Conducted Emission

Digital EMC Date : 2014-04-11

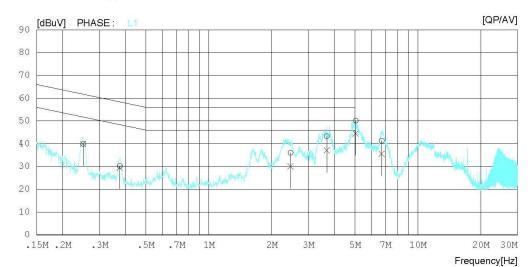
Model No. : I Type :: Serial No. :: Test Condition ::

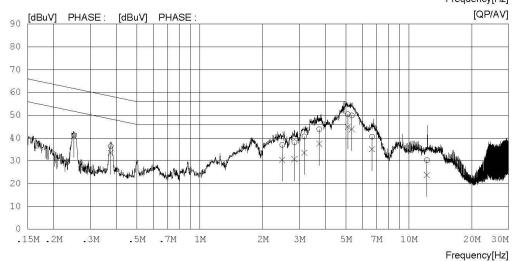
LG-D120f Referrence No. Power Supply Temp/Humi. Operator

120 V 60 Hz 22 'C 38 % R.H. H.S KO

Memo

LIMIT : CISPR22_B QP CISPR22_B AV





Report No.: DREFCC1404-0095

Total 20 pages

Results of Conducted Emission

Digital EMC Date : 2014-04-11

 Model No.
 : LG-D120f

 Type
 :

 Serial No.
 :

 Test Condition
 :

_G-D120f Referrence No.
Power Supply
Temp/Humi.
Operator

: 120 V 60 Hz : 22 'C 38 % R.H. : H.S KO

Memo

LIMIT : CISPR22_B QP CISPR22_B AV

| NO | FREO | READ | TMC | C.FACTOR | DECI | ULT | LIM | r T m | MAT | GIN | PHASE |
|----|----------|--------|---------|----------|--------|--------|--------|--------|--------|--------|-------|
| NO | rkeQ | QP | AV | C.FACIOR | QP | AV | QP | AV | OP | AV | FUMDE |
| | [MHz] | | | [dB] | [dBuV] | | | [dBuV] | - | [dBuV] | |
| | [THI2] | [abav] | [GDG V] | [GD] | [abav] | [GDGV] | [abav] | [abav] | [abav] | [GDGV] | |
| 1 | 0.25004 | 29.6 | 29.7 | 10.3 | 39.9 | 40.0 | 61.8 | 51.8 | 21.9 | 11.8 | L1 |
| 2 | 0.37479 | 19.9 | 19.2 | 10.3 | 30.2 | 29.5 | 58.4 | 48.4 | 28.2 | 18.9 | L1 |
| 3 | 2.45950 | 25.8 | 19.7 | 10.3 | 36.1 | 30.0 | 56.0 | 46.0 | 19.9 | 16.0 | L1 |
| 4 | 3.66700 | 33.0 | 26.8 | 10.3 | 43.3 | 37.1 | 56.0 | 46.0 | 12.7 | 8.9 | L1 |
| 5 | 5.03950 | 39.8 | 34.1 | 10.3 | 50.1 | 44.4 | 60.0 | 50.0 | 9.9 | 5.6 | L1 |
| 6 | 6.71100 | 30.9 | 25.2 | 10.4 | 41.3 | 35.6 | 60.0 | 50.0 | 18.7 | 14.4 | L1 |
| 7 | 0.24981 | 30.9 | 30.7 | 10.3 | 41.2 | 41.0 | 61.8 | 51.8 | 20.6 | 10.8 | N |
| 8 | 0.37414 | 26.1 | 23.3 | 10.3 | 36.4 | 33.6 | 58.4 | 48.4 | 22.0 | 14.8 | N |
| 9 | 2.47850 | 26.7 | 20.2 | 10.3 | 37.0 | 30.5 | 56.0 | 46.0 | 19.0 | 15.5 | N |
| 10 | 2.83450 | 27.9 | 20.4 | 10.3 | 38.2 | 30.7 | 56.0 | 46.0 | 17.8 | 15.3 | N |
| 11 | 3.16050 | 30.4 | 23.3 | 10.3 | 40.7 | 33.6 | 56.0 | 46.0 | 15.3 | 12.4 | N |
| 12 | 3.72750 | 33.6 | 27.2 | 10.3 | 43.9 | 37.5 | 56.0 | 46.0 | 12.1 | 8.5 | N |
| 13 | 5.10550 | 40.1 | 34.6 | 10.3 | 50.4 | 44.9 | 60.0 | 50.0 | 9.6 | 5.1 | N |
| 14 | 5.33500 | 39.6 | 33.6 | 10.3 | 49.9 | 43.9 | 60.0 | 50.0 | 10.1 | 6.1 | N |
| 15 | 6.66400 | 30.2 | 24.7 | 10.4 | 40.6 | 35.1 | 60.0 | 50.0 | 19.4 | 14.9 | N |
| 16 | 12.19700 | 19.7 | 13.2 | 10.6 | 30.3 | 23.8 | 60.0 | 50.0 | 29.7 | 26.2 | N |

Report No.: DREFCC1404-0095

Total 20 pages

6.2 Radiated Disturbance

6.2.1 Measurement Procedure

The radiated disturbance was measured and set-up was made accordance with ANSI C63.4.

If the EUT is tabletop equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 3 m or 10 m away from the interference receiving antenna in the **10m semi-anechoic chamber.**

Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height up to 0.15 m above the reference ground plane.

Rotate the EUT from (0 - 360)° and position the receiving antenna at heights from (1 - 4) m above the reference ground plane continuously to determine associated with higher emission levels and record them.

The measurement was made in both the vertical and horizontal polarization, and the maximum value is presented in the report.

For below 1 GHz frequency range, Quasi-Peak detector with 120 kHz RBW was used.

Peak detector with 1 MHz RBW and 1 MHz VBW were used for above 1 GHz frequency range, also used linear average detector with defined in CISPR 16-1-1.

For further description of the configuration refer to the picture of the test set-up.

Report No.: DREFCC1404-0095

Total 20 pages

6.2.2 Limit for Radiated Disturbance

- The test frequency range of Radiated Disturbance measurements are listed below.

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

(1) Limit for Radiated Emission below 1 000MHz

| Frequency range (MHz) | Class A Equipment (10 m distance) Quasi-peak (dBµV/m) | Class B Equipment (3 m distance) Quasi-peak (dBµV/m) |
|--------------------------|--|---|
| 30 to 88 | 39.1 | 40 |
| 88 to 216 | 43.5 | 43.5 |
| 216 to 960 | 46.4 | 46 |
| 960 to 1 000 | 49.5 | 54 |

Note 1 The lower limit shall apply at the transition frequency.

Note 2 Additional provisions may be required for cases where interference occurs.

Note 3 According to 15.109(g), as an alternative to the radiated emission limit shown above, digital devices may be shown to comply with the standards(CISPR), Pub. 22 shown as below.

| Frequency range | Class A Equipment (10 m distance) | Class B Equipment (10 m distance) | | |
|-----------------|-----------------------------------|-----------------------------------|--|--|
| (MHz) | Quasi-peak (dBµV/m) | Quasi-peak (dΒμV/m) | | |
| 30 to 230 | 40 | 30 | | |
| 230 to 1 000 | 47 | 37 | | |

(2) Limits for Radiated Emission above 1 000MHz at a measuring distance of 3 m

| Frequency | Class A E | quipment | Class B Equipment | | |
|-----------|------------------|---------------------|-------------------|---------------------|--|
| (GHz) | Peak (dBµV/m) | Average (dBµV/m) | Peak (dBµV/m) | Average (dBµV/m) | |
| 1 to 40 | 80 | 60 | 74 | 54 | |

Note) 1. Emission Level = Reading Value + loss - gain + Ant Factor

- 2. Margin = Limit Emission level
- 3. Below 1 GHz: loss = Cable loss, gain = Amp gain, Ant Factor = Antenna Factor
- 4. Above 1 GHz : loss = Cable loss, Ant Factor = Antenna Factor Amp gain

Report No.: DREFCC1404-0095

Total 20 pages

Test Result

< 30 MHz ~ 1 GHz >

Results of Radiated Emissions

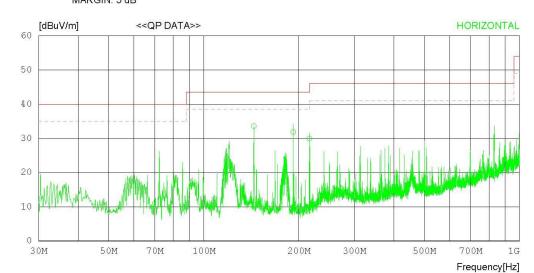
Date: 2014-04-14

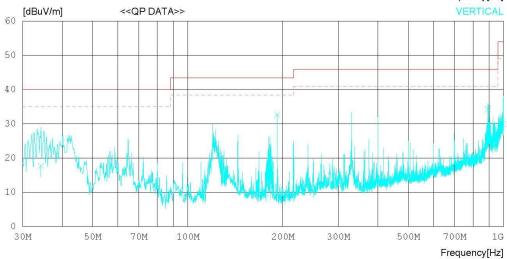
Model No. Type Serial Test Condition LG-D120f

Reference No. Power Supply Temp/Humi Operator

120 V 60 Hz 23 'C 45 % R.H. H.S KO

LIMIT : FCC Part15 Subpart.B Class B (3m) MARGIN: 5 dB







Report No.: DREFCC1404-0095

Total 20 pages

Results of Radiated Emissions

Date: 2014-04-14

Model No. Type Serial Test Condition : LG-D120f

Reference No. Power Supply Temp/Humi Operator

120 V 60 Hz 23 'C 45 % R.H. H.S KO

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) MARGIN: 5 dB

| No. | FREQ | READING | ANT | LOSS | GAIN | RESULT | LIMIT | MARGIN | ANTENNA | TABLE |
|----------|------------------|--------------|--------------|------|--------------|---------------------|--------------|--------------|------------|-----------|
| | [MHz] | QP [dBuV] | FACTOR [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dB] | [cm] | [DEG] |
| I | Horizont | al | | | | | | | | |
| 773 ST | 43.993 91.998 | 45.3 46.0 | 13.6 11.0 | 1.2 | 26.6 26.6 | 7.) (T) (T) (T) (T) | 43.5 43.5 | 10.0 11.7 | 400 183 | 359 0 |
| 3 2 | 15.990 32.500 | 44.3 | 10.7 | 1.4 | 26.5 | 5 29.9 | 43.5 | 13.6 | 139 202 | 0 172 |
| 7 | /ertical | i | | | | | | | | |
| 5 | 34.275 | 31.4 | 12.3 | 0.6 | 26.6 | 5 17.7 | 40.0 | 22.3 | 205 | 0 |
| 127 - 73 | 92.000 91.005 | 47.0 35.1 | 11.0 | 1.4 | 26.5 | | 43.5 | 10.7 11.7 | 100 100 | 74 359 |
| 8 9 | 98-515 | 30.1 | 23.4 | 3.5 | 27. | 1 29.9 | 54.0 | 24.1 | 151 | 26 |

Report No.: DREFCC1404-0095

Total 20 pages

< (1 ~ 6) GHz _ Peak >

RADIATED EMISSION

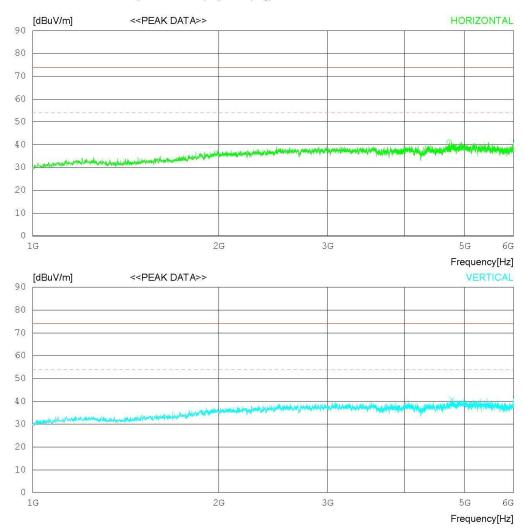
Date: 2014-04-14

Model Name Model No. Serial No. Test Condition LG-D120f Reference No.
Power Supply
Temp/Humi
Operator

120 V 60 Hz 23 'C 45 % R.H. H.S KO

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - 18G(Peak) FCC Part15 Subpart.B Class B (3m) - 18G(Avg)



Report No.: DREFCC1404-0095

Total 20 pages

RADIATED EMISSION

Date: 2014-04-14

Model Name Model No. Serial No. Test Condition : LG-D120f : Reference No. Power Supply Temp/Humi Operator

120 V 60 Hz 23 'C 45 % R.H. H.S KO

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - 18G(Peak) FCC Part15 Subpart.B Class B (3m) - 18G(Avg)

| No. | FREQ | READING PEAK | ANT FACTOR | LOSS | GAIN | RESULT | LIMIT | MARGIN | ANTENNA | TABLE |
|-----|----------|-----------------|---------------|------|------|----------|---------|--------|---------|-------|
| | [MHz] | [dBuV] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m |] [dB] | [cm] | [DEG] |
| I | Horizont | al | | | | | | | | |
| 1 | 4720.50 | 0 37.6 | -5.7 | 9.0 | 0.0 | 40.9 | 74.0 | 33.1 | 100 | 149 |
| 1 | /ertical | | | | | | | | | |
| 2 | 4765.12 | 5 37.3 | -5.7 | 9.2 | 0.0 | 40.8 | 74.0 | 33.2 | 100 | 3 |

Report No.: DREFCC1404-0095

Total 20 pages

< (1 ~ 6) GHz _ Average >

RADIATED EMISSION

Date: 2014-04-14

Model Name Model No. Serial No. **Test Condition**

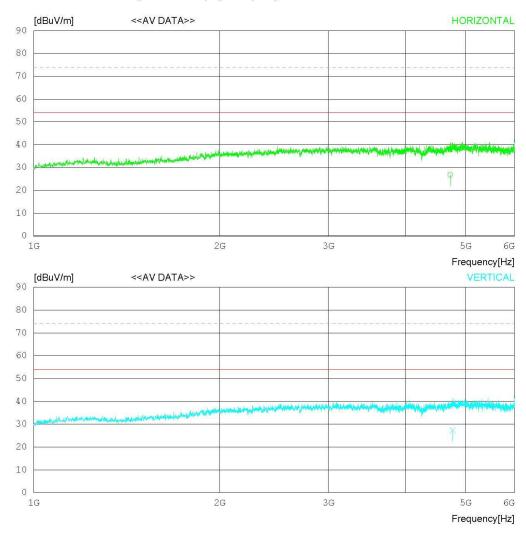
LG-D120f

Reference No. Power Supply Temp/Humi Operator

120 V 60 Hz 23 'C 45 % R.H. H.S KO

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - 18G(Avg) FCC Part15 Subpart.B Class B (3m) - 18G(Peak)



Report No.: DREFCC1404-0095

Total 20 pages

RADIATED EMISSION

Date: 2014-04-14

Model Name Model No. Serial No. Test Condition : LG-D120f

Reference No. Power Supply Temp/Humi Operator

120 V 60 Hz 23 'C 45 % R.H.

: H.S KO

Memo

LIMIT : FCC Part15 Subpart.B Class B (3m) - 18G(Avg) FCC Part15 Subpart.B Class B (3m) - 18G(Peak)

| No | FREQ | READING AV | ANT FACTOR | LOSS | GAIN | RESULT | LIMIT | MARGIN | ANTENNA | TABLE | |
|------|----------|---------------|---------------|------|------|----------|----------|--------|---------|-------|--|
| | [MHz] | [dBuV] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dB] | [cm] | [DEG] | |
| | Horizont | al | | | | | | | | | |
| 1 | 4720.500 | 23.5 | -5.7 | 9.0 | 0.0 | 26.8 | 54.0 | 27.2 | 100 | 149 | |
| | Vertical | | | | | | | | | | |
| 2 | 4765.125 | 23.8 | -5.7 | 9.2 | 0.0 | 27.3 | 54.0 | 26.7 | 100 | 3 | |

FCC ID: ZNFD120F Report No.: DREFCC1404-0095 Total 20 pages

Appendix 1

List of Test and Measurement Instruments

Report No.: DREFCC1404-0095

Total 20 pages

To facilitate inclusion on each page of the test equipment used for related tests, each item of test equipment is identified by the Test Laboratory.

1. Conducted Disturbance

| Name of Instrument | | Model No. | Manufacturer | Serial No. | Cal. Date | Next Cal. Date |
|--------------------|-----------------------------|------------|-----------------------|--------------|------------|----------------|
| \boxtimes | ARTIFICIAL MAINS NETWORK | PMM L2-16B | NARDA S.T.S. / PMM | 000WX20305 | 2013.06.27 | 2014.06.27 |
| \boxtimes | EMI TEST RECEIVER | ESCI7 | ROHDE & SCHWARZ | 100910 | 2014.02.27 | 2015.02.27 |
| \boxtimes | LISN | NNLK8121 | SCHWARZBECK | NNLK8121-580 | 2013.08.12 | 2014.08.12 |
| \boxtimes | PULSE LIMITER | ESH3-Z2 | ROHDE&SCHWARZ | 101334 | 2014.01.08 | 2015.01.08 |
| \boxtimes | 50 OHM TERMINATOR | CT-01 | TME | N/A | 2014.01.08 | 2015.01.08 |
| | EMI TEST RECEIVER | ESCI | ROHDE & SCHWARZ | 100364 | 2014.02.27 | 2015.02.27 |
| | LISN | ESH2-Z5 | ROHDE & SCHWARZ | 828739/006 | 2013.09.12 | 2014.09.12 |
| | LISN | LISN1600 | TTI | 197204 | 2013.06.28 | 2014.06.28 |
| | 50 OHM TERMINATOR | CT-01 | TME | N/A | 2014.01.08 | 2015.01.08 |

2. Radiated Disturbance

| Name of Instrument | | Model No. | Manufacturer | Serial No. | Cal. Date | Next Cal. Date |
|--------------------|---|--------------------------|----------------------|----------------------|------------|----------------|
| | SPECTRUM ANALYZER | E4411B | AGILENT | US41062735 | 2013.06.27 | 2014.06.27 |
| | AMPLIFIER | 8447D | AGILENT | 2443A03690 | 2013.06.28 | 2014.06.28 |
| \boxtimes | TRILOG BROAD BAND ANTENNA | VULB9160 | SCHWARZBECK | 9160-3339 | 2013.02.05 | 2015.02.05 |
| \boxtimes | HORN ANTENNA WITH PREAMPLIFIER (1~6GHZ) | 3117/ MLA-0106-B03-36 | ETS-LINDGREN/ TSJ | 00143291/ 1784347 | 2013.03.06 | 2015.03.06 |
| | LOW NOISE PRE AMPLIFIER | MLA-100K01-B01-26 | TSJ | 1252741 | 2014.02.28 | 2015.02.28 |
| | EMI TEST RECEIVER | ESU 8 | ROHDE&SCHWARZ | 100348 | 2013.10.22 | 2014.10.22 |

FCC ID: ZNFD120F Report No.: DREFCC1404-0095 Total 20 pages

Appendix 2

Report Revision History

| Revision | Description | Revised By | Revision |
|----------|-------------|------------|-------------|
| Date | Description | Revised by | Reviewed By |
| None | Original | N/A | N/A |
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