

FCC CFR47 PART 22 SUBPART H FCC CFR47 PART 24 SUBPART E

C2PC CERTIFICATION TEST REPORT

FOR

WALKIE-TALKIE ACCESSORY

MODEL NAME: GVC200WTH

MODEL NUMBER: LG-VC110, LGVC110, VC110, LG-VC110B, LGVC110B, VC110B

FCC ID: ZNFVC110

REPORT NUMBER: 16I22628-E1V4

ISSUE DATE: 2/15/2016

Prepared for LG ELECTRONICS MOBILECOMM U.S.A., INC 1000 SYLVAN AVENUE ENGLEWOOD CLIFFS, NEW JERSEY, 07632, U.S.A

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R1

NVLAP LAB CODE 200065-0

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| | | | |

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1. ATTESTATION OF TEST RESULTS

| APPLICABLE STANDARDS | | | | |
|----------------------|---|--|--|--|
| DATE TESTED: | JANUARY 12, 2016 | | | |
| SERIAL NUMBER: | A100040E03DC9 | | | |
| MODEL #: | LG-VC110, LGVC110, VC110, LG-VC110B, LGVC110B, VC110B | | | |
| MODEL NAME: | GVC200WTH | | | |
| EUT DESCRIPTION: | WALKIE-TALKIE ACCESSORY | | | |
| COMPANY NAME: | LG ELECTRONICS MOBILECOMM U.S.A., INC. | | | |

APPLICABLE STANDARDS STANDARD FCC PART 22H and 24E

TEST RESULTS PASS

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For UL Verification Services Inc. By:

Tested By:

DAN CORONIA CONSUMER TECHNOLOGY DIVISION WISE PROJECT LEAD UL VERIFICATION SERVICES INC

KIYA KEDIDA CONSUMER TECHNOLOGY DIVISION WISE LAB ENGINEER UL VERIFICATION SERVICES INC

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with TIA-603-D, FCC CFR 47 Part 22, and FCC CFR Part 24.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

| 47173 Benicia Street | 47266 Benicia Street |
|----------------------|----------------------|
| Chamber A | Chamber D |
| Chamber B | Chamber E |
| 🔀 Chamber C | Chamber F |
| | Chamber G |
| | Chamber H |

The above test sites and facilities are covered under FCC Test Firm Registration # 208313.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.

Chambers A through H are covered under Industry Canada company address code 2324B with site numbers 2324B -1 through 2324B-8, respectively.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

EIRP = PSA reading with EUT worst orientation (dBm) + Path loss (dB) – cable loss(between the SG and substitution antenna) + Substitution Antenna Factor (dBi) ERP = PSA reading with EUT worst orientation (dBm) + Path loss (dB) – cable loss(between the SG and substitution antenna)

(Path loss = Signal generator output – PSA reading with substitution antenna)

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4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| PARAMETER | UNCERTAINTY |
|---|-------------|
| Conducted Disturbance, 0.15 to 30 MHz | 3.52 dB |
| Radiated Disturbance, 9KHz to 30 MHz | 2.14 dB |
| Radiated Disturbance, 30 to 1000 MHz | 4.98 dB |
| Radiated Disturbance,1000 to 6000 MHz | 3.86 dB |
| Radiated Disturbance,6000 to 18000 MHz | 4.23 dB |
| Radiated Disturbance,18000 to 26000 MHz | 5.30 dB |
| Radiated Disturbance,26000 to 40000 MHz | 5.23 dB |

Uncertainty figures are valid to a confidence level of 95%.

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is WALKIE-TALKIE ACCESSORY.

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5.2. MAXIMUM OUTPUT POWER (CDMA)

The transmitter has a maximum peak conducted and radiated ERP / EIRP output powers as follows:

| FCC Part 22/24 | | | | | | |
|----------------|------------|------------|-----------|---------|----------|---------|
| Band | Frequency | Modulation | Conducted | | Radiated | |
| | Range(MHz) | | AVG(dBm) | AVG(mW) | AVG(dBm) | AVG(mW) |
| BCO | 824~849 | 1xRTT | 24.2 | 263.03 | 20.9 | 123.03 |
| BC1 | 1850~1910 | 1xRTT | 21.7 | 147.91 | 23.53 | 225.42 |

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5.3. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a PIFA antenna for the [List the bands supported] with a maximum peak gain as follow:

| Frequency (MHz) | Peak Gain (dBi) |
|-------------------|-----------------|
| BC0, 824~849MHz | -3.58 |
| BC1, 1850~1910MHz | -1.50 |

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5.4. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

| Support Equipment List | | | | | | |
|------------------------|---------------|----------|-------------|-----|--|--|
| Description | Serial Number | FCC ID | | | | |
| AC Adapter | LG | MCS-02WD | DZ480000582 | N/A | | |

I/O CABLES (RADIATED SETUP)

| | I/O CABLE LIST | | | | | | | |
|-------|----------------|----------------------------------|------------------------|-------------|--------|-----|--|--|
| Cable | Port | # of Connector Cable Cable Remar | | | | | | |
| No. | | Identical | Туре | Туре | Length | | | |
| | | Ports | | | | | | |
| 1 | USB | 1 | AC Adapter | Un-shielded | 1.2m | No | | |
| 2 | RF In/out | 1 | Communication Test Set | Un-shielded | 2m | Yes | | |

TEST SETUP

The EUT is continuously communicated to the call box during the tests.

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SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



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6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

| TEST EQUIPMENT LIST | | | | | |
|------------------------------------|----------------|--------------|----------|----------|--|
| Description | Manufacturer | Model | T Number | Cal Due | |
| Spectrum Analyzer, 44 GHz | Agilent / HP | E4446A | 123 | 10/22/16 | |
| Antenna, Bilog, 2 GHz | Sunol Sciences | JB1 | 130 | 06/10/16 | |
| Antenna, Horn, 18 GHz | EMCO | 3115 | 59 | 11/18/16 | |
| Highpass Filter, 2.7 GHz | Micro-Tronics | HPM13194 | 151 | CNR | |
| Highpass Filter, 1.5 GHz | Micro-Tronics | HPM13193 | 153 | CNR | |
| Temperature / Humidity Chamber | Thermotron | SE 600-10-10 | 80 | 05/15/16 | |
| Communications Test Set | R&S | CMW500 | 159 | 07/10/16 | |
| DC power supply, 8 V @ 3 A or 15 V | Agilent / HP | E3610A | None | CNR | |
| Vector signal generator, 6 GHz | Agilent / HP | E4438C | None | 06/16/16 | |
| Antenna, Tuned Dipole 400~1000 | ETS | 3121C DB4 | 273 | 05/05/16 | |
| Directional Coupler | RF-Lambda | RFDC5M06G15 | None | CNR | |
| Antenna, Horn, 26.5 GHz | ARA | MWH-1826/B | 447 | 05/18/16 | |

| Test Software List | | | | | |
|--|----|--------|-------------------------|--|--|
| Description Manufacturer Model Version | | | | | |
| Radiated Software | UL | UL EMC | Ver 9.5, June 24, 2015 | | |
| Conducted Software | UL | UL EMC | Ver 9.5, May 26, 2015 | | |
| CLT Software | UL | UL RF | Ver 1.5.5, Nov 9, 2015 | | |
| Antenna Port Software | UL | UL RF | Ver 3.9.1, Dec 28, 2015 | | |

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7. SUMMARY TABLE

C2PC Reason: Please see LG-VC110 FCC Class II change description for details.

| FCC Part Section | RSS Section(s) | Test Description | Test Limit | Test Condition | Test Result |
|------------------------|----------------------------------|--|------------|-------------------|-------------------|
| 2.1049 | N/A | Occupied Band width (99%) | N/A | | Refer to Original |
| 22.917(a) 24.238(a) | RSS-132(4.5.1) RSS-133(6.5.1) | Band Edge / Conducted Spurious Emission | -13dBm | Conductod | Refer to Original |
| 2.1046 | N/A | Conducted output power | N/A | Conducted | Pass |
| 22.355 24.235 | RSS-132(4.3) RSS-133(6.3) | Frequency Stability | 2.5PPM | | Refer to Original |
| 22.913(a)(2) | RSS-132(4.4) | Effective Radiated Power | 38 dBm | | Pass |
| 24.232(c) | RSS-133(6.4) | Equivalent Isotropic Radiated Power | 33dBm | Radiated | Pass |
| 22.917(a) 24.238(a) | RSS-132(4.5.1) RSS-133(6.5.1) | Radiated Spurious Emission | -13dBm | | Pass |

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8. RF POWER OUTPUT VERIFICATION

8.1. CDMA2000

8.1.1. 1xRTT

TEST PROCEDURE

This procedure assumes the Agilest 8960 Test Set has the following applications installed and with valid license.

ApplicationRev, LicenseCDMA2000 Mobile TestB.13.08, L

- Call Setup > Shift & Preset
- Cell Info > Cell Parameters > System ID (SID) > 7

> Network ID (NID) > 1

- Protocol Rev > 6 (IS-2000-0)
- Radio Config (RC) > Please see following table or details
- FCH Service Option (SO) Setup > Please see following table or details
- Traffic Data Rate > Full
- TDSO SCH Info > F-SCH Parameters > F-SCH Data Rate > 153.6 kbps
 - > R-SCH Parameters > R-SCH Data Rate > 153.6 kbps
- Rvs Power Ctrl > Active bits
 - Rvs Power Ctrl > All Up bits (Maximum TxPout)

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8.1.2. CDMA2000 OUTPUT POWER RESULT

| Band | Mode | Ch | Freq. (MHz) | Avg Pwr (dBm) |
|------|-------------------------|------|----------------|------------------|
| | | 1013 | 824.70 | 24.0 |
| | RUT, SU55 (Loopback) | 384 | 836.52 | 24.2 |
| | (LOOPDack) | 777 | 848.31 | 24.0 |
| BC0 | RC3, SO55 | 1013 | 824.70 | 24.0 |
| | | 384 | 836.52 | 24.2 |
| | (LOOPDack) | 777 | 848.31 | 23.9 |
| | | 1013 | 824.70 | 24.0 |
| | RU3, SU32 (±F-SCH) | 384 | 836.52 | 24.2 |
| | | 777 | 848.31 | 23.9 |

| Band | Mode | Ch | Freq. (MHz) | Avg Pwr (dBm) |
|------|-------------------------|------|----------------|------------------|
| | | 25 | 1851.25 | 21.7 |
| | RC1, SO55 (Loopback) | 600 | 1880.00 | 21.7 |
| | (LOOPDACK) | 1175 | 1908.75 | 21.7 |
| BC1 | RC3, SO55 | 25 | 1851.25 | 21.7 |
| | | 600 | 1880.00 | 21.7 |
| | | 1175 | 1908.75 | 21.7 |
| | | 25 | 1851.25 | 21.7 |
| | KU3, SU32 (±F-SCH) | 600 | 1880.00 | 21.7 |
| | | 1175 | 1908.75 | 21.7 |

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9. RADIATED TEST RESULTS

9.1. RADIATED POWER (ERP & EIRP)

RULE PART(S)

FCC: §2. 1046, §22. 913, §24. 232

<u>LIMITS</u>

22.913 (a) - The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

24.232 (c) - Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications.

In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13dB.

TEST PROCEDURE

ANSI / TIA / EIA 603D Clause 2.2.17; PSA setting reference to 971168 D01 v02r02

For peak power measurement with a PSA:

a) Set the RBW \geq OBW; b) Set VBW \geq 3 × RBW; c) Set span \geq 2 x RBW; d) Sweep time = auto couple; e) Detector = peak; f) Ensure that the number of measurement points \geq span/RBW; g) Trace mode = max hold;

For average power measurement with a PSA:

a) Set span to at least 1.5 times the OBW; b) Set RBW = 1-5% of the OBW, not to exceed 1 MHz; c) Set VBW \ge 3 x RBW; d) Set number of points in sweep \ge 2 × span / RBW; e) Sweep time = auto-couple; f) Detector = RMS (power averaging); g) Use free run trigger If burst duty cycle \ge 98; h) Use trigger to capture bursts If burst duty cycle < 98; i) Trace average at least 100 traces in power averaging (*i.e.*, RMS) mode. j) Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function.

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9.1.1. ERP/EIRP RESULTS AND TABLE

<u>CDMA</u>

| Band | Mode | Channel | f(MH2) | ERP/EIRP | | |
|------|-------|---------|---|----------|--------|--|
| Danu | Widde | Channel | (((((())))))))))))))))))))))))))))))))) | dBm | mW | |
| 5.00 | | 1013 | 824.7 | 20.90 | 123.03 | |
| BCO | 1xR11 | 384 | 836.52 | 19.88 | 97.27 | |
| | | 777 | 848.31 | 19.24 | 83.95 | |
| | | 25 | 1851.25 | 20.09 | 102.09 | |
| BC1 | 1xRTI | 600 | 1880.0 | 20.56 | 113.76 | |
| | | 1175 | 1908.75 | 23.53 | 225.42 | |

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| | | High | Frequency | Substitution M | easurem | ent | | |
|---|---|---|---|--|--|---|--|-------|
| | | | UL Verific | ation Services | , inc. | | | |
| Company: | | LG Electronics | 6 | | | | | |
| Project #: | | 16122628 | | | | | | |
| Date: | | 1/12/2016 | | | | | | |
| Test Engir | neer: | RZ | | | | | | |
| Configura | tion: | X-pos EUT On | ly | | | | | |
| Location: | | Chamber C | | | | | | |
| Mode: | | RTT BC0 Fund | lamentals | | | | | |
| Test Equp Receiving Substitutio | <u>ment:</u> : Hybrid T185 on: Dipole T4 | , and Chamb 16, Xft SMA | er C SMA Ca Cable (SN # S | bles ERIALNUMBER |) Wareho | use | | |
| f Mu- | SG reading | Ant. Pol. | Cable Loss | Antenna Gain | ERP | | Delta | Notes |
| | (aBM) | (H/V) | (aB) | (aBa) | (aBM) | (aBM) | (aB) | |
| 824 70 | 10,70 | V | 0 9 | 0.0 | 9,80 | 38.5 | -28.7 | |
| 824.70 | 21.80 | Ĥ | 0.9 | 0.0 | 20.90 | 38.5 | -17.6 | |
| Mid Ch | | | | | | • | | |
| 836.52 | 11.16 | V | 0.9 | 0.0 | 10.26 | 38.5 | -28.2 | |
| 836.52 High Ch | 20.78 | Н | 0.9 | U.U | 19.88 | აშ.ე | -10.0 | |
| 848.31 | 10.88 | V | 0.9 | 0.0 | 9.98 | 38.5 | -28.5 | |
| 848.31 | 20.14 | Н | 0.9 | 0.0 | 19.24 | 38.5 | -19.3 | |
| | | High | Frequency | Substitution M | easurem | ent | | |
| | | | UL Verific | ation Services | , Inc. | | | |
| | | | | | | | | |
| Company: | | LG Electronics | | | | | | |
| Company: Project #: | | LG Electronics 16l22628 | , , | | | | | |
| Company: Project #: Date: | | LG Electronic: 16I22628 1/12/2016 | , | | | | | |
| Company: Project #: Date: Test Engir | neer: | LG Electronic: 16l22628 1/12/2016 RZ | 2 | | | | | |
| Company: Project #: Date: Test Engir Configura | neer: tion: | LG Electronic: 16I22628 1/12/2016 RZ Y-pos EUT Or | ly | | | | | |
| Company: Project #: Date: Test Engir Configura Location: | neer: tion: | LG Electronics 16I22628 1/12/2016 RZ Y-pos EUT Or Chamber C | ly | | | | | |
| Company: Project #: Date: Test Engin Configurat Location: Mode: | neer: tion: | LG Electronic: 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund | , Ily Iamentals | | | | | |
| Company: Project #: Date: Test Engir Configura Location: Mode: | neer: tion: | LG Electronic: 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund | ly lamentals | | | | | |
| Company: Project #: Date: Test Engin Configura Location: Mode: <u>Test Equp</u> | meer: tion: <u>ment:</u> | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund | lamentals | ~ | | | | |
| Company: Project #: Date: Test Engin Configura Location: Mode: <u>Test Equp</u> Receiving Substitutio | neer: tion: <u>ment:</u> : Horn T119, ; on: Horn T72. | IG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund and Chambe Xft SMA Cal | ily lamentals r C SMA Cabl ble (SN # SEF | es RIALNUMBER) W | /arehouse | 2 | | |
| Company: Project #: Date: Test Engin Configurat Location: Mode: <u>Test Equp</u> Receiving Substitutio | neer: tion: <u>ment:</u> : Horn T119, ; on: Horn T72, | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund and Chambe Xft SMA Cal | damentals r C SMA Cabl ble (SN # SEF | es RALNUMBER) W | /arehouse | • | | |
| Company: Project #: Date: Test Engin Configurar Location: Mode: <u>Test Equp</u> Receiving Substitutio | neer: tion: <u>ment:</u> : Horn T119, a on: Horn T72, SG reading | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund and Chambe Xft SMA Cal Ant. Pol. | ly damentals r C SMA Cabl ble (SN # SER Cable Loss | es RIALNUMBER) W Antenna Gain | /arehouse | e Limit | Delta | Notes |
| Company: Project #: Date: Test Engin Configura Location: Mode: <u>Test Equp</u> Receiving Substitutio f <u>MHz</u> | neer: tion: : Horn T119, a on: Horn T72, SG reading (dBm) | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund and Chambe Xft SMA Cal Ant. Pol. (H/V) | lamentals r C SMA Cabl ble (SN # SEF Cable Loss (dB) | es NALNUMBER) W Antenna Gain (dBi) | /arehouse EIRP (dBm) | Limit (dBm) | Delta (dB) | Notes |
| Company: Project #: Date: Test Engin Configura Location: Mode: <u>Test Equp</u> Receiving Substitutio <u>f</u> <u>MHz</u> Low Ch | meer: tion: : Horn T119, ; on: Horn T72, SG reading (dBm) | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund and Chambe Xft SMA Cal Ant. Pol. (H/V) | damentals r C SMA Cabl ble (SN # SEF Cable Loss (dB) | es NALNUMBER) M Antenna Gain (dBi) | /arehouse EIRP (dBm) | e Limit (dBm) | Delta (dB) | Notes |
| Company: Project #: Date: Test Engin Configura Location: Mode: <u>Test Equp</u> Receiving Substitutio <u>f</u> <u>MHz</u> Low Ch 1851.25 | meer: tion: : Horn T119, a on: Horn T72, SG reading (dBm) 9.10 | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund and Chambe Xft SMA Cal Ant. Pol. (H/V) | damentals r C SMA Cabl ble (SN # SEF Cable Loss (dB) | es NALNUMBER) W Antenna Gain (dBi) 9.2 | /arehouse EIRP (dBm) | e Limit (dBm) 33.0 | Delta (dB) | Notes |
| Company: Project #: Date: Test Engin Configura Location: Mode: <u>Test Equp</u> Receiving Substitutio f <u>MHz</u> Low Ch 1851.25 1851.25 | neer: tion: : Horn T119, a on: Horn T72, SG reading (dBm) 9.10 11.74 | LG Electronic: 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund Ant. Pol. (H/V) V H | damentals r C SMA Cabl ble (SN # SEF Cable Loss (dB) 0.9 | es RIALNUMBER) W Antenna Gain (dBi) 9.2 9.2 | /arehouse EIRP (dBm) 17.45 20.09 | Limit (dBm) 33.0 33.0 | Delta (dB) -15.6 -12.9 | Notes |
| Company: Project #: Date: Test Engin Configurar Location: Mode: <u>Test Equp</u> Receiving Substitution f <u>MHz</u> Low Ch 1851.25 1851.25 Mid Ch 1880.00 | neer: tion: : Horn T119, ; on: Horn T72, SG reading (dBm) 9.10 11.74 10.23 | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund Ant. Pol. (H/V) V H | damentals r C SMA Cabl ble (SN # SEF Cable Loss (dB) 0.9 0.9 | es RIALNUMBER) W Antenna Gain (dBi) 9.2 9.2 9.2 | /arehouse EIRP (dBm) 17.45 20.09 18.48 | Limit (dBm) 33.0 33.0 33.0 | Delta (dB) -15.6 -12.9 -14.5 | Notes |
| Company: Project #: Date: Test Engin Configura Location: Mode: <u>Test Equp</u> Receiving Substitutio f <u>MHz</u> Low Ch 1851.25 Mid Ch 1880.00 1880.00 | neer: tion: Horn T119, a on: Horn T72, SG reading (dBm) 9.10 11.74 10.23 12.31 | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund and Chambe Xft SMA Cal Ant. Pol. (H/V) V H V H | damentals r C SMA Cabl ble (SN # SEF Cable Loss (dB) 0.9 0.9 0.9 0.9 | es RIALNUMBER) W Antenna Gain (dBi) 9.2 9.2 9.2 9.2 9.2 | /arehouse EIRP (dBm) 17.45 20.09 18.48 20.56 | Limit (dBm) 33.0 33.0 33.0 33.0 | Delta (dB) -15.6 -12.9 -14.5 -12.4 | Notes |
| Company: Project #: Date: Test Engin Configura: Location: Mode: <u>Test Equp</u> Receiving Substitutio f <u>MHz</u> Low Ch 1851.25 Mid Ch 1880.00 High Ch | meer: tion: Horn T119, ; on: Horn T72, SG reading (dBm) 9.10 11.74 10.23 12.31 | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund and Chambe Xft SMA Cal Ant. Pol. (H/V) V H V H | damentals r C SMA Cabl ble (SN # SEF Cable Loss (dB) 0.9 0.9 0.9 | es RIALNUMBER) W Antenna Gain (dBi) 9.2 9.2 9.2 9.2 9.2 | /arehouse EIRP (dBm) 17.45 20.09 18.48 20.56 | Limit (dBm) 33.0 33.0 33.0 33.0 | Delta (dB) -15.6 -12.9 -14.5 -12.4 | Notes |
| Company: Project #: Date: Test Engin Configura: Location: Mode: <u>Test Equp</u> Receiving Substitutio f <u>MHz</u> Low Ch 1851.25 Mid Ch 1880.00 1880.00 High Ch 1908.75 | meer: tion: Horn T119, ; on: Horn T72, SG reading (dBm) 9.10 11.74 10.23 12.31 11.26 | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund Ant. Pol. (H/V) V H V H | damentals r C SMA Cabl ble (SN # SEF Cable Loss (dB) 0.9 0.9 0.9 0.9 | es RIALNUMBER) W Antenna Gain (dBi) 9.2 9.2 9.2 9.2 9.2 9.2 | /arehouse EIRP (dBm) 17.45 20.09 18.48 20.56 19.40 22.52 | Limit (dBm) 33.0 33.0 33.0 33.0 33.0 33.0 | Delta (dB) -15.6 -12.9 -14.5 -12.4 -13.6 0.5 | Notes |
| Company: Project #: Date: Test Engin Configura: Location: Mode: <u>Test Equp</u> Receiving Substitutio f <u>MHz</u> Low Ch 1851.25 Mid Ch 1880.00 1880.00 High Ch 1908.75 | neer: tion: Horn T119, : on: Horn T72, SG reading (dBm) 9.10 11.74 10.23 12.31 11.26 15.39 | LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Or Chamber C RTT BC1 Fund Ant. Pol. (H/V) V H V H V H | amentals r C SMA Cabl ble (SN # SEF Cable Loss (dB) 0.9 0.9 0.9 0.9 0.9 0.9 | es RIALNUMBER) W Antenna Gain (dBi) 9.2 9.2 9.2 9.2 9.2 9.2 9.2 9.0 9.0 9.0 | /arehouse EIRP (dBm) 17.45 20.09 18.48 20.56 19.40 23.53 | Limit (dBm) 33.0 33.0 33.0 33.0 33.0 33.0 33.0 33. | Delta (dB) -15.6 -12.9 -14.5 -12.4 -13.6 -9.5 | Notes |

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 UL VERIFICATION SERVICES INC.
 FORM NO: CCSUP4701H

 47173 BENICIA STREET, FREMONT, CA 94538, USA
 TEL: (510) 771-1000
 FAX: (510) 661-0888

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 FORM NO: CCSUP4701H

9.2. FIELD STRENGTH OF SPURIOUS RADIATION

RULE PART(S)

FCC: §2.1053, §22.917, §24.238

<u>LIMIT</u>

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

TEST PROCEDURE

For Cellular equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

For PCS equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

9.2.1. SPURIOUS RADIATION PLOTS

<u>CDMA</u>

| | | | | BCO | 1xRTT | | | | | |
|---|--|---|--|--|--|---|---|---|-------|--|
| | | | UI | Verificatio | n Service | s. Inc. | | | | |
| | | Abo | ve 1GHz Hid | h Frequen | cv Substit | ution Me | asuremer | nt | | |
| | | | | | -, | | | | | |
| Company | | LG Electronics | | | | | | | | |
| Project #: | | 16 22628 | | | | | | | | |
| Date: | | 1/12/2016 | | | | | | | | |
| Test Engi | neer: | RZ | | | | | | | | |
| Configura | tion: | X-pos EUT Only | у | | | | | | | |
| Location: | | Chamber C | | | | | | | | |
| Mode: | | RTT BC0 Harm | onics | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| f | SG reading | Ant. Pol. | Distance | Preamp | Filter | FIRP | Limit | Delta | Notes | |
| MHz | (dBm) | (H/V) | (m) | (dB) | (dB) | (dBm) | (dBm) | (dB) | | |
| Low Ch, 82 | 4.7 | | | | | | | | | |
| 1649.40 | -9.4 | V | 3.0 | 36.4 | 1.0 | -44.7 | -13.0 | -31.7 | | |
| 2474.10 | -23.1 | V | 3.0 | 35.0 | 1.0 | -57.0 | -13.0 | -44.0 | | |
| 3298.80 | -18.6 | V | 3.0 | 34.3 | 1.0 | -51.9 | -13.0 | -38.9 | | |
| 2474 10 | -19.5 | н | 3.0 | 35.0 | 1.0 | -34.0 | -13.0 | -41.0 | | |
| 3298.80 | -17.1 | H | 3.0 | 34.3 | 1.0 | -50.4 | -13.0 | -37.4 | | |
| Mid Ch, 83 | 6.52 | | | | | | | | | |
| 1673.04 | -10.3 | V | 3.0 | 36.3 | 1.0 | -45.7 | -13.0 | -32.7 | | |
| 2509.56 | -23.3 | V | 3.0 | 34.9 | 1.0 | -57.3 | -13.0 | -44.3 | | |
| 3346.08 | -20.5 | V | 3.0 | 34.2 | 1.0 | -53.7 | -13.0 | -40.7 | | |
| 2509 56 | -24.3 | п | 3.0 3.0 | 34 9 | 1.0 | -39.9 | -13.0 | -40.9 | | |
| 3346.08 | -21.6 | H | 3.0 | 34.2 | 1.0 | -54.8 | -13.0 | -41.8 | | |
| High Ch, 84 | 18.31 | | | | | | | | | |
| 1696.62 | -20.0 | V | 3.0 | 36.3 | 1.0 | -55.3 | -13.0 | -42.3 | | |
| 2544.93 | -18.3 | V | 3.0 | 34.9 | 1.0 | -52.2 | -13.0 | -39.2 | | |
| 3393.24 | -21.2 | V H | 3.0 | 34.2 | 1.0 | -54.4 | -13.0 | -41.4 | | |
| 2544.93 | -18.0 | H | 3.0 | 34.9 | 1.0 | -51.9 | -13.0 | -38.9 | | |
| 3393.24 | -20.3 | Н | 3.0 | 34.2 | 1.0 | -53.5 | -13.0 | -40.5 | | |
| | <u> </u> | J | | | | | L | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | BC1 | 1xRTT | | | | | |
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| | | | | | | | | | | |
| | | | U | Verificatio | n Service | s, Inc. | | | | |
| | | Abo | UI ve 1GHz Hig | L Verification | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| | | Abo | UI ve 1GHz Hig | L Verificatio gh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company | | Abo LG Electronics | UI ve 1GHz Hig | L Verificatio gh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company: Project #: | | Abo LG Electronics 16l22628 | UI ve 1GHz Hig | L Verificatio gh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company: Project #: Date: | | Abo LG Electronics 16l22628 1/12/2016 | UI ve 1GHz Hig | L Verificatio gh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company: Project #: Date: Test Engi | neer: | Abo LG Electronics 16l22628 1/12/2016 RZ | Ul ve 1GHz Hig | L Verificatio gh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company: Project #: Date: Test Engi Configura | neer: tion: | Abo LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Onl | Ul ve 1GHz Hig y | L Verificatio gh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company: Project #: Date: Test Engi Configura Location: | neer: tion: | Abo LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Onl Chamber C | Ul ve 1GHz Hig ^y | ∟ Verificatio gh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | neer: tion: | Abo LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm | UI ve 1GHz Hiç y onics | ∟ Verificatio gh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | neer: tion: | Abo LG Electronics 16122628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm | UI ve 1GHz Hig y onics | ∟ Verificatio jh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | neer: tion: | Abo LG Electronics 16I22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm | UI ve 1GHz Hig y onics | ∟ Verificatio jh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | neer: tion: | Abo LG Electronics 16(22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm | UI ve 1GHz Hig y onics | ∟ Verificatio gh Frequen | n Service cy Substit | s, Inc. ution Me | asuremer | nt | | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | neer: tion: SG reading | Abo LG Electronics 16/22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm | UI ve 1GHz Hig y onics Distance | Verificatio | n Service cy Substit Filter | s, Inc. ution Me | asuremer | nt Delta | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: f MHz | neer: tion: SG reading (dBm) | Abo LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm | UI ve 1GHz Hig y onics Distance (m) | _ Verificatio gh Frequen Preamp (dB) | n Service cy Substit Filter (dB) | s, Inc. ution Me EIRP (dBm) | asuremer Limit (dBm) | Delta (dB) | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: f <u>MHz</u> Low Ch. 16 | SG reading (dBm) | Abo LG Electronics 16/22628 11/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) | UI ve 1GHz Hig y onics Distance (m) | Verificatio gh Frequen Preamp (dB) | Filter (dB) | s, Inc. ution Me EIRP (dBm) | Limit (dBm) | Delta (dB) | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: f MHz Low Ch, 18 3702.50 | SG reading (dBm) 51.25 -20.7 | Abo LG Electronics 16122628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) V | UI ve 1GHz Hig y onics Distance (m) 3.0 2.0 | Preamp (dB) 33.9 | Filter (dB) 1.0 | s, Inc. ution Me EIRP (dBm) -53.5 | Limit (dBm) -13.0 | Delta (dB) -40.5 | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: Mde: f <u>H</u> Hz Low Ch. 18 3702.50 5553.75 7405.00 | neer: tion: SG reading (dBm) 51.25 -20.7 -15.2 -18.4 | Abo LG Electronics 16122628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) V V | Ul ve 1GHz Hig y onics Distance (m) 3.0 3.0 3.0 | Preamp (dB) 33.9 33.1 22.9 | Filter (dB) 1.0 1.0 | s, Inc. ution Me EIRP (dBm) -53.5 -47.4 -49.9 | Limit (dBm) -13.0 -13.0 | Delta (dB) -34.4 -36.9 | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: f <u>MHz</u> Low Ch, 18 3702.50 5553.75 7405.00 3702.50 | neer: tion: SG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 | Abo LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) V V V H | Ul ve 1GHz Hig y onics Distance (m) 3.0 3.0 3.0 3.0 | Preamp (dB) 33.9 33.1 32.9 33.1 | Filter (dB) 1.0 1.0 1.0 | EIRP (dBm) 53.5 47.4 49.9 51.9 | Limit (dBm) -13.0 -13.0 -13.0 | Delta (dB) -40.5 -34.4 -36.9 -38.9 | Notes | |
| Company: Project #: Date: Test Engi Configure Location: Mode: | SG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 -10.6 | Abo LG Electronics 16122628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) V V V V H H | Ul ve 1GHz Hig y onics Distance (m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 | Preamp (dB) 33.1 33.9 33.1 32.9 33.9 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) -53.5 47.4 49.9 -51.9 -42.7 | Limit (dBm) -13.0 -13.0 -13.0 -13.0 -13.0 | Delta (dB) | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | sG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 -10.6 -19.3 | Abo LG Electronics 16122628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm (H/V) V V V V H H H H | Ul ve 1GHz Hig y onics Distance (m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) -53.5 -47.4 -49.9 -51.9 -42.7 -51.1 | Limit (dBm) | Delta (dB) -40.5 -34.4 -36.9 -38.9 -29.7 -38.1 | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | neer: tion: SG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 -19.3 30 -20.1 | Abo LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) V V V V V H H H H | Ul ve 1GHz Hig y onics Distance (m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 33.1 33.1 33.9 33.1 33.1 33.1 33 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) -53.5 -47.4 -49.9 -51.9 -42.7 -51.1 | Limit (dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 | Delta (dB) -40.5 -34.4 -36.9 -29.7 -38.9 -29.7 -38.9 | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | SG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 -10.6 -19.3 30 -22.1 24 2 | Abo LG Electronics 16/22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) V V V V V V V V V V V V V | Ul ve 1GHz Hig y onics Distance (m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 33.8 33.4 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) -53.5 -47.4 -49.9 -51.1 -51.1 -54.9 -52.4 | Limit (dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 | Delta (dB) -40.5 -34.4 -36.9 -38.9 -29.7 -38.1 -41.9 -40.4 | Notes | |
| Company: Project #: Date: Test Engi Configure: Location: Mode: | sG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 -10.6 -19.3 30 -22.1 -21.3 -19.7 | Abo LG Electronics 16l22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm V V V V V V V V V H H V V V V V V V V V V V V V V V V | Ul ve 1GHz Hig y onics | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) -53.5 47.4 49.9 -51.9 -42.7 -51.1 -54.9 -53.4 -51.6 | Limit (dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 | Delta (dB) -40.5 -34.4 -36.9 -38.9 -28.7 -28.7 -38.1 -40.4 -38.6 | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | SG reading (dBm) 51.25 -20.7 -18.1 -19.0 -10.6 -19.3 30 -22.1 -21.3 -19.7 -20.7 | Abo LG Electronics 16122628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) V V V H H H H H V V V V V H H H H H H | Ul ve 1GHz Hig y onics | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.8 33.8 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) 53.5 47.4 49.9 51.9 42.7 51.9 42.7 51.9 42.7 51.9 42.7 51.9 45.1.9 45.1.9 45.1.9 55.4 9 53.4 51.6 53.5 | Limit (dBm) | Delta (dB) | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | SG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 -10.6 -19.3 30 -22.1 -21.3 -19.7 -20.7 -18.4 | Abo LG Electronics 16122628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) V V V V V V V V V V V V V V V V V V | Ul ve 1GHz Hig y onics Distance (m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 33.1 32.8 33.1 32.8 33.1 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) -53.5 -47.4 -49.9 -51.9 -42.7 -51.1 -51.9 -53.4 -51.6 -53.5 -50.5 | Limit (dBm) -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 -13.0 | Delta (dB) -40.5 -34.4 -36.9 -29.7 -38.1 -38.9 -29.7 -38.1 -38.9 -29.7 -38.1 -38.6 -40.4 -38.6 -40.5 -38.6 -40.5 -37.5 | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | SG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.3 30 -22.1 -21.3 -19.7 -20.7 -18.4 -19.7 -20.7 -18.4 -19.7 | Abo LG Electronics 16/22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm V V V V V V H H H H H H H H H H | Ul ve 1GHz Hig y onics | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.3 33.1 32.3 33.1 32.3 33.1 32.3 33.1 32.3 33.1 32.2 33.2 33 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) -53.5 -51.1 -54.9 -51.4 -51.6 | Limit (dBm) -13.0 | Delta (dB) -40.5 -36.9 -38.9 -29.7 -38.1 -40.4 -38.6 -38.6 -38.6 | Notes | |
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| Company: Project #: Date: Test Engi Configura Location: Mode: | neer: tion: SG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 -19.3 30 -22.1 -21.3 -19.7 -20.7 -18.4 -19.7 -20.7 -18.4 -19.7 -20.7 -18.4 -19.7 -20.7 -18.4 -19.7 -20.7 -18.4 -21.3 -21.4 -21.3 -21.5 -21. | Abo LG Electronics 16122628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) V V V V V V V V V V V V V V V V H H H H H V | Ul ve 1GHz Hig y onics Distance (m) 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3. | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 33.1 32.8 33.1 33.8 33.1 32.8 33.10 32.8 33.10 32.8 33.10 32.8 33.10 32.8 33.10 32.8 33.10 32.8 33.10 32.8 32.10 32.8 32.10 32.1 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) 533.5 47.4 49.9 51.9 42.7 51.9 42.7 51.9 53.4 51.6 53.5 50.5 51.6 53.5 51.6 53.5 | Limit (dBm) -13.0 | Delta (dB) -40.5 -34.4 -36.9 -29.7 -38.1 -41.9 -40.4 -38.6 -40.5 -38.6 -40.5 -38.6 -40.5 -38.6 -40.5 -38.6 -41.7 -38.6 -39.6 - | Notes | |
| Company: Project #: Date: Test Engi Configure: Location: Mode: | SG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 -10.6 -19.3 30 -22.1 -21.3 -19.7 -20.7 -18.4 -19.7 -20.7 -18.4 -19.7 -20.7 -19.7 -19.7 -19.7 -19.7 | Abo LG Electronics 16/22628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm V V V V V V V H H H H H V V V V V V V V V V V V V | Ul ve 1GHz Hig y onics | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.3 33.1 32.3 33.1 32.9 33.1 32.3 33.1 32.9 33.1 32.8 33.1 32.8 33.1 32.8 33.1 32.8 33.7 33.7 33.7 33.7 32.8 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) -53.5 -47.4 -49.9 -51.6 -53.5 -51.6 -53.5 -51.6 -54.7 - | Limit (dBm) -13.0 | Delta (dB) -40.5 -34.4 -36.9 -38.9 -29.7 -38.1 -40.4 -38.6 -38.6 -38.6 -38.6 -38.6 -38.6 -38.6 -41.7 -38.8 -38.8 | Notes | |
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| Company: Project #: Date: Test Engi Configure: Mode: | SG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 -10.6 -19.0 -10.6 -19.3 30 -22.1 -21.3 -19.7 -20.7 -18.4 -19.7 -22.0 -19.7 -19.3 -22.0 -19.3 -21.7 -19.1 -18.9 | Abo LG Electronics 16122628 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm Ant. Pol. (H/V) V V V V V V V V V V V V V | Ul ve 1GHz Hig y onics | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.8 33.1 32.8 33.1 32.8 33.1 32.8 33.1 32.8 33.7 33.7 33.7 33.7 32.8 | Filter (dB) 1.0 | EIRP (dBm) -53.5 -47.4 -49.9 -51.9 -42.7 -51.1 -54.9 -53.4 -51.6 -53.5 -51.6 -53.5 -51.6 -53.5 -51.6 -51.5 -51.6 -51.2 -51.2 -51.2 -50.7 | Limit (dBm) -13.0 | Delta (dB) 40.5 -34.4 -36.9 -29.7 -38.1 -38.9 -29.7 -38.1 -38.9 -29.7 -38.1 -38.6 -40.5 -38.6 -40.5 -38.6 -40.5 -38.6 -40.5 -38.6 -40.5 -38.6 -38.6 -40.5 -38.6 -38.6 -38.6 -40.5 -38.6 -38.7 -38.7 -38.6 -38.7 -37.7 | Notes | |
| Company: Project #: Date: Test Engi Configure: Mode: Mode: Mode: Mitz Low Ch, 18 3702.50 5553.75 7405.00 3702.50 5553.75 7405.00 3702.50 5640.00 7520. | sG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.3 30 -22.1 -21.3 -19.7 -20.7 -19.7 -19.7 -19.7 -19.7 -19.3 -21.7 -19.3 -21.7 -19.1 -18.9 | Abo LG Electronics 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm V V V V V V V H H H H H H H H H H H H H | Ul ve 1GHz Hig y onics | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.8 33.1 32.10 33 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) | Limit (dBm) (13.0 -13.0 | Delta (dB) -40.5 -34.4 -36.9 -38.9 -29.7 -38.1 -40.4 -38.6 -38.6 -38.6 -38.6 -38.6 -38.6 -38.6 -38.6 -38.6 -38.2 -38.2 -38.2 -38.2 -38.2 -38.2 -37.7 | Notes | |
| Company: Project #: Date: Test Engi Configura Location: Mode: | sG reading (dBm) 51.25 -20.7 -15.2 -18.1 -19.0 -10.6 -19.3 30 -22.1 -21.3 -19.7 -20.7 -18.4 -19.7 -20.7 -18.4 -19.7 -20.7 -19.7 -22.0 -19.7 -19.3 -21.7 -19.3 -21.7 -19.3 -21.7 -19.3 -21.7 -19.3 -21.7 -19.3 -21.7 -19.3 -21.7 -19.3 -21.7 -19.3 -21.7 -19.3 -21.7 -21. | Abo LG Electonics 1/12/2016 RZ Y-pos EUT Onl Chamber C RTT BC1 Harm V V V V V H H H H V V V V H H H H H H H H H | Ul ve 1GHz Hig y onics | Preamp (dB) 33.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.9 33.1 32.8 33.1 32.8 33.1 32.8 33.1 32.8 33.1 32.8 33.1 32.8 33.1 32.8 | Filter (dB) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | EIRP (dBm) 53.5 47.4 49.9 51.9 42.7 51.9 42.7 51.9 42.7 51.9 42.7 51.9 53.4 51.5 53.5 50.5 51.6 53.5 51.6 53.5 51.6 53.5 51.6 53.5 51.6 53.5 51.2 51.2 51.2 50.7 | Limit (dBm) | Delta (dB) 40.5 34.4 -36.9 -38.9 -29.7 -38.1 41.9 -40.4 -38.6 -40.5 -37.5 -38.6 -41.7 -38.8 -38.2 -41.4 -38.8 -38.2 -38.2 -41.4 -38.2 -37.7 | Notes | |
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