



FCC CFR47 PART 22 SUBPART H
FCC CFR47 PART 24 SUBPART E
FCC CFR47 PART 27 SUBPART L
FCC CFR47 PART 27 SUBPART E

C2PC CERTIFICATION TEST REPORT

FOR

CDMA/LTE Phone + Bluetooth & DTS/UNII a/b/g/n + NFC

MODEL NUMBER: LG-VS876, VS876, LGVS876, LG-AS876, AS876 and LGAS876

FCC ID: ZNFVS876

REPORT NUMBER: 14U16955-1

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Prepared for

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NVLAP LAB CODE 200065-0

Revision History

Issue		Revisions	Revised By
Rev.	Date		
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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: LG ELECTRONICS MOBILECOMM U.S.A., INC
EUT DESCRIPTION: CDMA/LTE Phone + Bluetooth, DTS/UNII a/b/g/n & NFC
MODEL: LG-VS876, LGVS876, VS876, LG-AS876, AS876 and LGAS876
SERIAL NUMBER: 1801187-VS
DATE TESTED: FEBRUARY 3 – MARCH 10, 2014

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 22H, 24E, 27E and 27L	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

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with TIA-603-C, FCC CFR 47 Part 22, FCC CFR Part 24, FCC CFR 47 Part 27.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at <http://www.ccsemc.com>.

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:

$$\text{EIRP} = \text{PSA reading with EUT worst orientation (dBm)} + \text{Path loss (dB)} - \text{cable loss(between the SG and substitution antenna)} + \text{Substitution Antenna Factor (dBi)}$$

$$\text{ERP} = \text{PSA reading with EUT worst orientation (dBm)} + \text{Path loss (dB)} - \text{cable loss(between the SG and substitution antenna)}$$

$$(\text{Path loss} = \text{Signal generator output} - \text{PSA reading with substitution antenna})$$

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, 30 to 18000 MHz	4.94 dB

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

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a CDMA/LTE Phone + Bluetooth & DTS/UNII a/b/g/n + NFC

5.2. MAXIMUM OUTPUT POWER

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

FCC Part 22/24						
Band	Frequency Range(MHz)	Modulation Peak	Conducted		Radiated	
			Peak (dBm)	Peak (mW)	Peak (dBm)	Peak (mW)
BC0	824~849	1xRTT	24.9	309	22.57	180.72
	824~849	EVDO REL. 0	24.9	309	24.90	309.03
	824~849	EVDO REV. A	24.9	309		
BC1	1850~1910	1xRTT	25.0	316	25.09	322.85
	1850~1910	EVDO REL. 0	25.0	316	24.64	291.07
	1850~1910	EVDO REV. A	25.0	316		

5.3. MAXIMUM OUTPUT POWER (LTE)

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

FCC Part 27							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation Peak	Conducted		Radiated	
				Peak (dBm)	Peak (mW)	Peak (dBm)	Peak (mW)
LTE13	777~787	10MHz	QPSK	24.1	257	16.40	43.65
			16QAM	23.2	209	16.00	39.81

FCC Part 27							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation Peak	Conducted		Radiated	
				Peak (dBm)	Peak (mW)	Peak (dBm)	Peak (mW)
LTE4	1710~1755	20MHz	QPSK	24.0	251	22.21	166.34
			16QAM	23.0	200	21.31	135.21

FCC Part 27							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation Peak	Conducted		Radiated	
				Peak (dBm)	Peak (mW)	Peak (dBm)	Peak (mW)
LTE4	1710~1755	15MHz	QPSK	24.0	251	22.67	184.93
			16QAM	22.8	190.55	21.73	148.94

FCC Part 27							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation Peak	Conducted		Radiated	
				Peak (dBm)	Peak (mW)	Peak (dBm)	Peak (mW)
LTE4	1710~1755	10MHz	QPSK	24.0	251	23.26	211.84
			16QAM	22.8	190.55	21.97	157.40

FCC Part 27							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation Peak	Conducted		Radiated	
				Peak (dBm)	Peak (mW)	Peak (dBm)	Peak (mW)
LTE4	1710~1755	5MHz	QPSK	24.0	251	22.71	186.64
			16QAM	23.0	200	21.66	146.55

5.4. 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	-3.46
BC1, 1850~1910MHz	-0.6
LTE4, 1710~1755MHz	-3.08
LTE13, 777~787MHz	-1.91

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	LG	MCS-02WD	DA3Y0035121	N/A
Earphone	LG	EAB62209201	N/A	N/A

I/O CABLES (CONDUCTED SETUP)

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	RF Out	1	Spectrum Analyzer	Shielded	None	NA
2	Antenna Port	1	EUT	Shielded	0.1m	NA
3	RF In/Out	1	Communication Test Set	Shielded	1m	NA

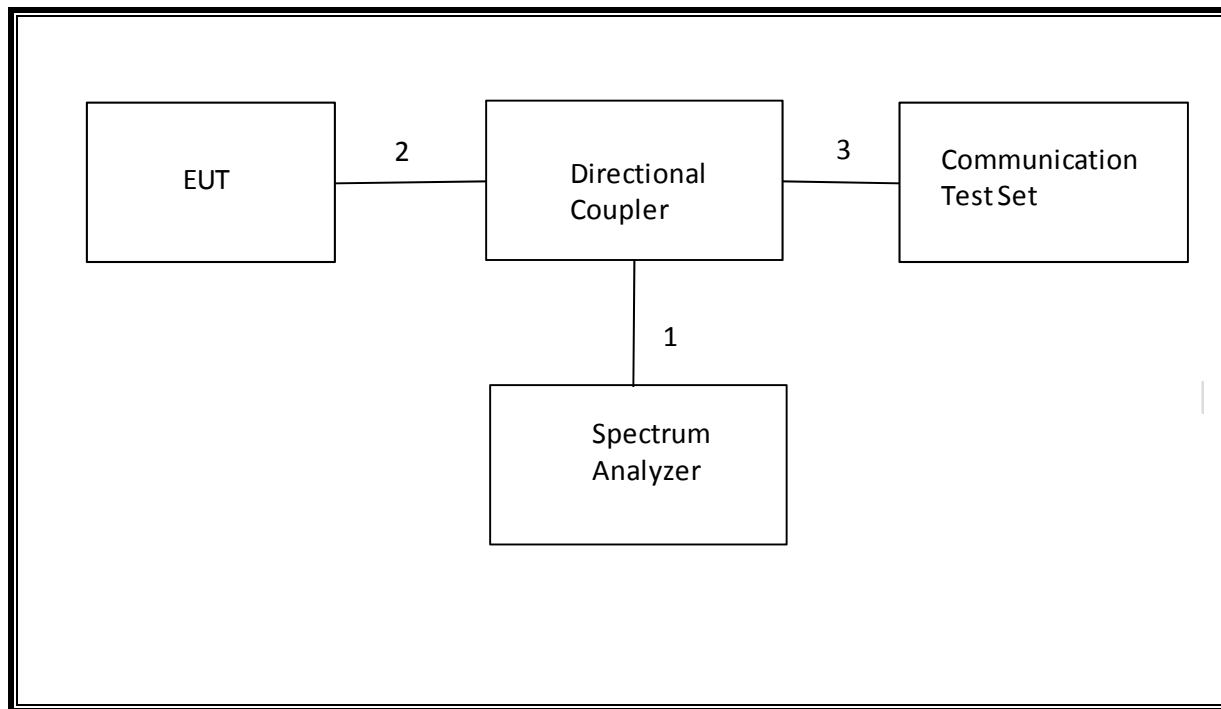
I/O CABLES (RADIATED SETUP)

I/O CABLE LIST						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length	Remarks
1	USB	1	AC Adapter	Un-shielded	1.2m	No
2	Jack	1	Headset	Shielded	1m	No
3	RF In/out	1	Communication Test Set	Un-shielded	2m	Yes

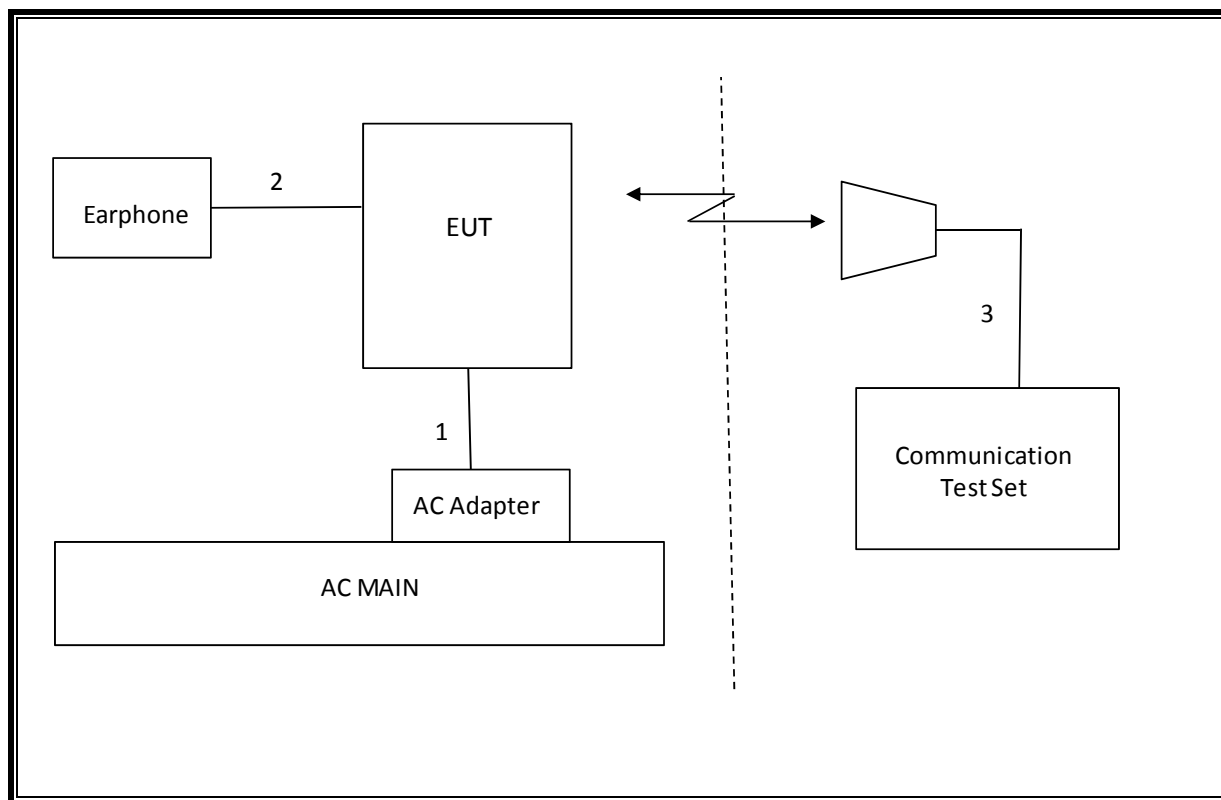
TEST SETUP

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

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



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	Asset	Cal Due
Antenna, Horn, 18 GHz	EMCO	3115	C00872	10/25/14
Antenna, Horn, 18 GHz	EMCO	3115	C00783	10/25/14
Preamplifier, 1300 MHz	Agilent / HP	8447D	C00885	12/11/14
Spectrum Analyzer, 44 GHz	Agilent / HP	E4446A	C01179	02/26/14
Preamplifier, 26.5 GHz	Agilent / HP	8449B	C01063	10/22/14
Communication Test Set	Agilent / HP	E5515C	C01086	06/20/14
Temperature / Humidity Chamber	Thermotron	SE 600-10-10	C00930	01/09/15
Highpass Filter, 1.5 GHz	Micro-Tronics	HPM13193	N02689	CNR
Highpass Filter, 2.7 GHz	Micro-Tronics	HPM13194	N02687	CNR
Antenna, Biconolog, 30MHz-1 GHz	Sunol Sciences	JB1	C01016	08/14/14
Vector signal generator, 6 GHz	Agilent / HP	E4438C	None	07/06/14

7. Summary Table

FCC Part Section	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Worst Case	Note
2.1049	N/A	Occupied Band width (99%)	N/A	Conducted	Pass	See original	
22.917(a) 24.238(a) 27.53(g) 90.691	RSS-132(4.5.1) RSS-133(6.5.1) RSS-139(6.5.1)	Band Edge / Conducted Spurious Emission	-13dBm		Pass	See original	
2.1046	N/A	Conducted output power	N/A		Pass	25.0dBm	
22.355 24.235 27.54 90.213	RSS-132(4.3) RSS-133(6.3) RSS-139(6.3) RSS-199(4.3)	Frequency Stability	2.5PPM		Pass	See original	
22.913(a)(2)	RSS-132(4.4)	Effective Radiated Power	38 dBm	Radiated	Pass	24.90dBm	Band 5
27.50(b)(10)	N/A		34.77 dBm		Pass		Band 13
24.232(c)	RSS-133(6.4)	Equivalent Isotropic Radiated Power	33dBm		Pass	25.09dBm	Band 2
27.50(d)(4)	RSS-139(6.4)		30dBm		Pass		Band 4
22.917(a) 24.238(a) 27.53(g)	RSS-132(4.5.1) RSS-133(6.5.1) RSS-139(6.5.1)	Radiated Spurious Emission	-13dBm		Pass	-27.1dBm	

8.1.1. 1xRTT

- 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
 - o Rvs Power Ctrl > All Up bits (Maximum TxPout)

8.1.2. CDMA2000 OUTPUT POWER RESULT

1xRTT

Full Power

Band	Mode	Ch	Freq. (MHz)	Avg Pwr (dBm)
BC 1	RC1 SO55 (Loopback)	25	1851.25	25.0
		600	1880.00	24.9
		1175	1908.75	24.9
	RC3 SO55 (Loopback)	25	1851.25	25.0
		600	1880.00	25.0
		1175	1908.75	25.0
	RC3 SO32 (+F-SCH)	25	1851.25	25.0
		600	1880.00	24.9
		1175	1908.75	24.9

1xRTT

Full Power

Band	Mode	Ch	Freq. (MHz)	Avg Pwr (dBm)
BC 0	RC1, SO55 (Loopback)	1013	824.70	24.9
		384	836.52	24.8
		777	848.31	24.8
	RC3, SO55 (Loopback)	1013	824.70	24.8
		384	836.52	24.8
		777	848.31	24.8
	RC3, SO32 (+F-SCH)	1013	824.70	24.8
		384	836.52	24.8
		777	848.31	24.8

8.1.3. 1xEV-DO Release 0

TEST PROCEDURE

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

<u>Application</u>	<u>Rev, License</u>
1xEV-DO Terminal Test	A.09.13

EVDO Release 0 - RTAP

- Call Setup > Shift & Preset
- Call Control:
 - o Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0
 - o Generator Info > Termination Parameters > Max Forward Packet Duration > 16 Slots
- Call Params:
 - o Cell Power > -105.5 dBm/1.23 MHz
 - o Cell Band > (Select US Cellular or US PCS)
 - o Channel > (Enter channel number)
 - o Application Config > Enhanced Test Application Protocol > RTAP
 - o RTAP Rate > 153.6 kbps
 - o Rvs Power Ctrl > Active bits
 - o Protocol Rel > 0 (1xEV-DO)
- Press "Start Data Connection" when "Session Open" appear in "Active Cell"
- Rvs Power Ctrl > All Up bits (Maximum TxPout)

EVDO Release 0 - FTAP

- Call Setup > Shift & Preset
- Call Control:
 - o Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0
 - o Generator Info > Termination Parameters > Max Forward Packet Duration > 16 Slots
- Call Params:
 - o Cell Power > -105.5 dBm/1.23 MHz
 - o Cell Band > (Select US Cellular or US PCS)
 - o Channel > (Enter channel number)
 - o Application Config > Enhanced Test Application Protocol > FTAP (default)
 - o FTAP Rate > 307.2 kbps (2 Slot, QPSK)
 - o Rvs Power Ctrl > Active bits
 - o Protocol Rel > 0 (1xEV-DO)
- Press "Start Data Connection" when "Session Open" appear in "Active Cell"
- Rvs Power Ctrl > All Up bits (Maximum TxPout)

8.1.4. 1xEVDO REL 0 OUTPUT POWER RESULT

1xEV-Do Rel. 0

Band	FTAP Rate	Channel	f (MHz)	Avg Pwr (dBm)
BC0	307.2 kbps (2 slot, QPSK)	1013	824.70	24.9
		384	836.52	24.9
		777	848.31	24.9

1xEV-Do Rel. 0

Band	FTAP Rate	Channel	f (MHz)	Avg Pwr (dBm)
BC 1	307.2 kbps (2 slot, QPSK)	25	1851.25	25.0
		600	1880.00	25.0
		1175	1908.75	25.0

8.1.5. 1xEV-DO Rev. A

TEST PROCEDURE

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

<u>Application</u>	<u>Rev, License</u>
1xEV-DO Terminal Test	A.09.13

EVDO Release A – RETAP

- Call Setup > Shift & Preset
- Cell Power > -60 dBm/1.23 MHz
- Protocol Rev > A (1xEV-DO-A)
- Application Config > Enhanced Test Application Protocol > RETAP
- R-Data Pkt Size > 4096
- Protocol Subtype Config > Release A Physical Layer Subtype > Subtype 2
- > PL Subtype 2 Access Channel MAC Subtype > Default (Subtype 0)
- Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0
- Generator Info > Termination Parameters > Max Forward Packet Duration >16 Slots > ACK R-Data After > Subpacket 0 (All ACK)
- Rvs Power Ctrl > All Up bits (to get the maximum power)

EVDO Release A - FETAP

- Call Setup > Shift & Preset
- Cell Power > -60 dBm/1.23 MHz
- Protocol Rev > A (1xEV-DO-A)
- Application Config > Enhanced Test Application Protocol > FETAP
- F-Traffic Format > 4 (1024, 2,128) Canonical (307.2k, QPSK)
- Protocol Subtype Config > Release A Physical Layer Subtype > Subtype 2
- > PL Subtype 2 Access Channel MAC Subtype > Default (Subtype 0)
- Access Network Info > Cell Parameters > Sector ID > 00000000 > Subnet Mask > 0
- Generator Info > Termination Parameters > Max Forward Packet Duration >16 Slots > ACK R-Data After > Subpacket 0 (All ACK)
- Rvs Power Ctrl > All Up bits (to get the maximum power)

8.1.6. 1xEVDO REV A OUTPUT RESULT

1xEv-Do Rev. A

Band	FETAP Traffic Format	Channel	f (MHz)	Avg Pwr (dBm)
BC0	307.2k, QPSK/ ACK channel is transmitted at all the slots	1013	824.70	24.9
		384	836.52	24.9
		777	848.31	24.9

1xEv-Do Rev. A

Band	FETAP Traffic Format	Channel	f (MHz)	Avg Pwr (dBm)
BC 1	307.2k, QPSK/ ACK channel is transmitted at all the slots	25	1851.25	25.0
		600	1880	25.0
		1175	1908.75	25.0

8.2. LTE OUTPUT VERIFICATION

8.2.1. LTE OUTPUT RESULT

Band	BW (MHz)	Mode	RB Allocation	RB Size	Target MPR	Full Power Avg Pwr (dBm)		
						20050	20175	20300
						1720 MHz	1732.5 MHz	1745 MHz
LTE Band 4	20	QPSK	1	0	0	23.9	23.9	24.0
			1	49	0	23.9	24.0	24.0
			1	99	0	23.7	23.9	24.0
			50	0	1	22.9	23.0	22.9
			50	25	1	22.9	22.9	22.9
			50	50	1	23.0	22.9	22.8
			100	0	1	23.0	22.9	22.8
		16QAM	1	0	1	23.0	23.0	22.8
			1	49	1	22.7	23.0	22.8
			1	99	1	22.9	23.0	22.9
			50	0	2	22.0	21.9	21.9
			50	25	2	22.0	21.8	21.8
			50	50	2	22.0	21.8	21.9
			100	0	2	22.0	21.8	21.8
Band	BW (MHz)	Mode	RB Allocation	RB Size	Target MPR	Avg Pwr (dBm)		
						20025	20175	20325
						1717.5 MHz	1732.5 MHz	1747.5 MHz
LTE Band 4	15	QPSK	1	0	0	24.0	24.0	23.9
			1	36	0	24.0	24.0	23.9
			1	74	0	24.0	24.0	23.9
			36	0	1	23.0	22.9	22.9
			36	18	1	23.0	22.9	22.9
			36	37	1	23.0	22.9	22.9
			75	0	1	23.0	22.9	22.9
		16QAM	1	0	1	22.8	22.7	22.5
			1	36	1	22.7	22.7	22.6
			1	74	1	22.7	22.7	22.6
			36	0	2	21.9	21.9	22.0
			36	18	2	21.9	21.9	22.0
			36	37	2	21.9	22.0	21.9
			75	0	2	22.0	21.9	21.9
Band	BW (MHz)	Mode	RB Allocation	RB Size	Target MPR	Avg Pwr (dBm)		
						20000	20175	20350
						1715 MHz	1732.5 MHz	1750 MHz
LTE Band 4	10	QPSK	1	0	0	24.0	23.9	24.0
			1	25	0	24.0	24.0	24.0

			1	49	0	23.9	23.9	23.9
			25	0	1	22.9	22.9	22.9
			25	12	1	23.0	22.8	22.8
			25	25	1	23.0	22.8	22.8
			50	0	1	23.0	22.9	22.8
		16QAM	1	0	1	22.8	22.7	22.7
			1	25	1	22.7	22.8	22.7
			1	49	1	22.8	22.7	22.6
			25	0	2	21.9	22.0	21.9
			25	12	2	21.9	22.0	21.8
			25	25	2	21.9	22.0	21.8
			50	0	2	21.9	21.9	21.9
Band	BW (MHz)	Mode	RB Allocation	RB Size	Target MPR	Avg Pwr (dBm)		
						19975	20175	20375
						1712.5 MHz	1732.5 MHz	1752.5 MHz
LTE Band 4	5	QPSK	1	0	0	23.7	23.8	24.0
			1	12	0	23.7	23.8	24.0
			1	24	0	23.7	23.8	24.0
			12	0	1	22.9	22.9	22.9
			12	6	1	22.9	22.9	22.8
			12	13	1	23.0	22.9	22.8
			25	0	1	22.9	22.8	22.9
		16QAM	1	0	1	23.0	22.7	23.0
			1	12	1	23.0	23.0	23.0
			1	24	1	22.8	23.0	22.9
			12	0	2	21.9	21.9	21.8
			12	6	2	21.8	22.0	21.7
			12	13	2	21.9	21.9	21.8
			25	0	2	22.0	21.9	21.8

Band	BW (MHz)	Mode	RB Allocation	RB Size	Target MPR	Avg Pwr (dBm)
						23230
						782 MHz
LTE Band 13	10	QPSK	1	0	0	24.1
			1	25	0	24.1
			1	49	0	24.2
			25	0	1	23.1
			25	12	1	23.1
			25	25	1	23.0
			50	0	1	23.1
		16QAM	1	0	1	23.0
			1	25	1	23.0
			1	49	1	23.0
			25	0	2	22.0
			25	12	2	22.0
			25	25	2	22.0
			50	0	2	22.1

9. RADIATED TEST RESULTS

9.1. RADIATED POWER (ERP & EIRP)

RULE PART(S)

FCC: §2.1046, §22.913, §24.232, §27

LIMITS

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 603C Clause 2.2.17

MODES TESTED

CDMA BC0/BC1 & LTE B4/B13

TEST RESULTS

9.1.1. ERP/EIRP Results

Band	Mode	Channel	f(MHz)	ERP / EIRP	
				dBm	mW
BC1	1xRTT	25	1851.25	24.88	307.61
		600	1880	24.93	311.17
		1175	1908.75	25.09	322.85
	EVDO REL. 0	25	1851.25	24.33	271.02
		600	1880	24.24	265.46
		1175	1908.75	24.64	291.07

Band	Mode	Channel	f(MHz)	ERP / EIRP	
				dBm	mW
BC0	1xRTT	1013	824.7	21.83	152.41
		384	836.52	22.57	180.72
		777	848.31	22.31	170.22
	EVDO REL. 0	1013	824.7	24.02	252.35
		384	836.52	24.90	309.03
		777	848.31	23.54	225.94

9.1.2. LTE ERP/EIRP Results

Band	BW (MHz)	Mode	RB/RB Size	f (MHz)	ERP / EIRP	
					dBm	mW
LTE13	10	QPSK	1/0	782	16.40	43.65
		16QAM	1/0	782	16.00	39.81

Band	BW (MHz)	Mode	RB/RB Size	f (MHz)	ERP / EIRP	
					dBm	mW
LTE4	20	QPSK	1/0	1720	21.01	126.18
			1/0	1732.5	21.80	151.36
			1/0	1745	22.21	166.34
		16QAM	1/0	1720	19.99	99.77
			1/0	1732.5	21.15	130.32
			1/0	1745	21.31	135.21

Band	BW (MHz)	Mode	RB/RB Size	f (MHz)	ERP / EIRP	
					dBm	mW
LTE4	15	QPSK	1/0	1717.5	21.56	143.22
			1/0	1732.5	22.67	184.93
			1/0	1747.5	22.09	161.81
		16QAM	1/0	1717.5	21.10	128.82
			1/0	1732.5	21.73	148.94
			1/0	1747.5	20.97	125.03

Band	BW (MHz)	Mode	RB/RB Size	f (MHz)	ERP / EIRP	
					dBm	mW
LTE4	10	QPSK	1/0	1715	21.82	152.05
			1/0	1732.5	23.26	211.84
			1/0	1750	21.99	158.12
		16QAM	1/0	1715	20.40	109.65
			1/0	1732.5	21.97	157.40
			1/0	1750	20.66	116.41

Band	BW (MHz)	Mode	RB/RB Size	f (MHz)	ERP / EIRP	
					dBm	mW
LTE4	5	QPSK	1/0	1712.5	22.71	186.64
			1/0	1732.5	22.53	179.06
			1/0	1752.5	21.69	147.57
		16QAM	1/0	1712.5	21.22	132.43
			1/0	1732.5	21.66	146.55
			1/0	1752.5	21.11	129.12

9.1.3. ERP/EIRP DATA

Band LTE13 10MHz 16QAM	High Frequency Substitution Measurement Compliance Certification Services Chamber B								
	Company: LG Project #: 14U16955 Date: 03/04/14 Test Engineer: K.Kedida Configuration: X position Mode: LTE_B13_10MHz_16QAM								
	Test Equipment: Receiving: Sunol T1243, and Chamber B Cable (Setup this one for testing EUT) Substitution: Dipole S/N: 00022117, 8ft SMA Cable (SN # 208955002) Warehouse.								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
	Low Ch								
	Mid Ch								
	782.000	10.55	V	0.9	0.0	9.65	34.8	-25.1	
	782.000	16.90	H	0.9	0.0	16.00	34.8	-18.8	
	Mid Ch								
NEW Rev. 3.17.11									

Band LTE13 10MHz QPSK	High Frequency Substitution Measurement Compliance Certification Services Chamber C Company: LG Project #: 14U16955 Date: 03/04/14 Test Engineer: K.Kedida Configuration: X position Mode: LTE_B13_10MHz_QPSK Test Equipment: Receiving: Sunol T243, and Chamber B Cable (Setup this one for testing EUT) Substitution: Dipole S/N: 00022117, 8ft SMA Cable (SN # 208955002) Warehouse. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>f MHz</th> <th>SG reading (dBm)</th> <th>Ant. Pol. (H/V)</th> <th>Cable Loss (dB)</th> <th>Antenna Gain (dBd)</th> <th>ERP (dBm)</th> <th>Limit (dBm)</th> <th>Margin (dB)</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>Low Ch</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mid Ch</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>782.000</td> <td>11.75</td> <td>V</td> <td>0.9</td> <td>0.0</td> <td>10.85</td> <td>34.8</td> <td>-23.9</td> <td></td> </tr> <tr> <td>782.000</td> <td>17.30</td> <td>H</td> <td>0.9</td> <td>0.0</td> <td>16.40</td> <td>34.8</td> <td>-18.4</td> <td></td> </tr> <tr> <td>Mid Ch</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>NEW</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Rev. 3.17.11	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes	Low Ch																		Mid Ch									782.000	11.75	V	0.9	0.0	10.85	34.8	-23.9		782.000	17.30	H	0.9	0.0	16.40	34.8	-18.4		Mid Ch																		NEW								
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	Company: LG Project #: 14U16955 Date: 03/03/14 Test Engineer: S.Tran Configuration: Y position, EUT only Mode: LTE_B4_20MHz_16QAM								
	Test Equipment: Receiving: Horn T345, and Chamber B SMA Cables Substitution: Horn T711 Substitution, 4ft SMA Cable (244639001) Warehouse								
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	Low Ch								
	1.720	15.3	V	0.85	5.58	19.99	30.0	-10.0	
	1.720	10.9	H	0.85	5.58	15.66	30.0	-14.3	
	Mid Ch								
	1.732	16.4	V	0.85	5.60	21.15	30.0	-8.9	
	1.732	11.8	H	0.85	5.60	16.55	30.0	-13.5	
High Ch									
1.745	16.5	V	0.85	5.63	21.31	30.0	-8.7		
1.745	11.8	H	0.85	5.63	16.55	30.0	-13.5		
Rev. 3.17.11									

Band LTE4 20MHz QPSK	High Frequency Fundamental Measurement Compliance Certification Services Chamber B Company: LG Project #: 14U16955 Date: 03/03/14 Test Engineer: S.Tran Configuration: Y position, EUT only Mode: LTE_B4_20MHz_QPSK Test Equipment: Receiving: Horn T345, and Chamber B SMA Cables Substitution: Horn T711 Substitution, 4ft SMA Cable (244639001) Warehouse <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>f GHz</th> <th>SG reading (dBm)</th> <th>Ant. Pol. (H/V)</th> <th>Cable Loss (dB)</th> <th>Antenna Gain (dBi)</th> <th>EIRP (dBm)</th> <th>Limit (dBm)</th> <th>Delta (dB)</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>Low Ch</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1.720</td> <td>16.3</td> <td>V</td> <td>0.85</td> <td>5.58</td> <td>21.01</td> <td>30.0</td> <td>-9.0</td> <td></td> </tr> <tr> <td>1.720</td> <td>12.3</td> <td>H</td> <td>0.85</td> <td>5.58</td> <td>17.01</td> <td>30.0</td> <td>-13.0</td> <td></td> </tr> <tr> <td>Mid Ch</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1.732</td> <td>17.1</td> <td>V</td> <td>0.85</td> <td>5.60</td> <td>21.80</td> <td>30.0</td> <td>-8.2</td> <td></td> </tr> <tr> <td>1.732</td> <td>12.8</td> <td>H</td> <td>0.85</td> <td>5.60</td> <td>17.59</td> <td>30.0</td> <td>-12.4</td> <td></td> </tr> <tr> <td>High Ch</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1.745</td> <td>17.4</td> <td>V</td> <td>0.85</td> <td>5.63</td> <td>22.21</td> <td>30.0</td> <td>-7.8</td> <td></td> </tr> <tr> <td>1.745</td> <td>13.1</td> <td>H</td> <td>0.85</td> <td>5.63</td> <td>17.88</td> <td>30.0</td> <td>-12.1</td> <td></td> </tr> </tbody> </table> Rev. 3.17.11	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	Low Ch									1.720	16.3	V	0.85	5.58	21.01	30.0	-9.0		1.720	12.3	H	0.85	5.58	17.01	30.0	-13.0		Mid Ch									1.732	17.1	V	0.85	5.60	21.80	30.0	-8.2		1.732	12.8	H	0.85	5.60	17.59	30.0	-12.4		High Ch									1.745	17.4	V	0.85	5.63	22.21	30.0	-7.8		1.745	13.1	H	0.85	5.63	17.88	30.0	-12.1	
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Band BC1 1xRTT	High Frequency Fundamental Measurement Compliance Certification Services Chamber B Company: LG Project #: 14U16955 Date: 02/05/14 Test Engineer: S. Tran Configuration: EUT, X Position Mode: CDMA 1900MHz Test Equipment: Receiving: T345, and Chamber C SMA Cables Substitution: Horn T711 Substitution, 4ft SMA Cable (244639001) Warehouse <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>f GHz</th> <th>SG reading (dBm)</th> <th>Ant. Pol. (H/V)</th> <th>Cable Loss (dB)</th> <th>Antenna Gain (dBi)</th> <th>EIRP (dBm)</th> <th>Limit (dBm)</th> <th>Delta (dB)</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>Low Ch</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1.851</td> <td>17.1</td> <td>V</td> <td>0.85</td> <td>4.90</td> <td>21.18</td> <td>33.0</td> <td>-11.8</td> <td></td> </tr> <tr> <td>1.851</td> <td>20.8</td> <td>H</td> <td>0.85</td> <td>4.90</td> <td>24.88</td> <td>33.0</td> <td>-8.1</td> <td></td> </tr> <tr> <td>Mid Ch</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1.880</td> <td>17.1</td> <td>V</td> <td>0.85</td> <td>4.90</td> <td>21.13</td> <td>33.0</td> <td>-11.9</td> <td></td> </tr> <tr> <td>1.880</td> <td>20.9</td> <td>H</td> <td>0.85</td> <td>4.90</td> <td>24.93</td> <td>33.0</td> <td>-8.1</td> <td></td> </tr> <tr> <td>High Ch</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1.909</td> <td>16.1</td> <td>V</td> <td>0.85</td> <td>4.90</td> <td>20.15</td> <td>33.0</td> <td>-12.9</td> <td></td> </tr> <tr> <td>1.909</td> <td>21.0</td> <td>H</td> <td>0.85</td> <td>4.90</td> <td>25.09</td> <td>33.0</td> <td>-7.9</td> <td></td> </tr> </tbody> </table> Rev. 3.17.11	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	Low Ch									1.851	17.1	V	0.85	4.90	21.18	33.0	-11.8		1.851	20.8	H	0.85	4.90	24.88	33.0	-8.1		Mid Ch									1.880	17.1	V	0.85	4.90	21.13	33.0	-11.9		1.880	20.9	H	0.85	4.90	24.93	33.0	-8.1		High Ch									1.909	16.1	V	0.85	4.90	20.15	33.0	-12.9		1.909	21.0	H	0.85	4.90	25.09	33.0	-7.9	
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes																																																																																			
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1.851	17.1	V	0.85	4.90	21.18	33.0	-11.8																																																																																				
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Band

BC0

EVDO

REL. 0

High Frequency Substitution Measurement

Compliance Certification Services Chamber C

Company:

Project #:

Date:

Test Engineer:

Configuration:

Mode:

LG

14U16955

02/05/14

K.Kedida

EUT, Z POSITION

CDMA EVDO R0 BC0

Test Equipment:

Receiving: Sunol T477, and Chamber C Cable (Setup this one for testing EUT)

Substitution: Dipole S/N: 00022117, 8ft SMA Cable (SN # 208955002) Warehouse.

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch								
824.70	24.92	V	0.9	0.0	24.02	38.5	-14.4	
824.70	12.06	H	0.9	0.0	11.16	38.5	-27.3	
Mid Ch								
836.52	25.80	V	0.9	0.0	24.90	38.5	-13.5	
836.52	13.65	H	0.9	0.0	12.75	38.5	-25.7	
High Ch								
848.31	24.44	V	0.9	0.0	23.54	38.5	-14.9	
848.31	14.12	H	0.9	0.0	13.22	38.5	-25.2	

Rev. 3.17.11

Band

BC0

1xRTT

High Frequency Substitution Measurement

Compliance Certification Services Chamber C

Company:

Project #:

Date:

Test Engineer:

Configuration:

Mode:

LG

14U16955

02/05/14

K.Kedida

EUT, Z POSITION

CDMA RTT BC0

Test Equipment:

Receiving: Sunol T477, and Chamber C Cable (Setup this one for testing EUT)

Substitution: Dipole S/N: 00022117, 8ft SMA Cable (SN # 208955002) Warehouse.

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch								
824.70	22.73	V	0.9	0.0	21.83	38.5	-16.6	
824.70	11.56	H	0.9	0.0	10.66	38.5	-27.8	
Mid Ch								
836.52	23.47	V	0.9	0.0	22.57	38.5	-15.9	
836.52	12.70	H	0.9	0.0	11.80	38.5	-26.6	
High Ch								
848.31	23.21	V	0.9	0.0	22.31	38.5	-16.1	
848.31	12.48	H	0.9	0.0	11.58	38.5	-26.9	

Rev. 3.17.11

9.2. FIELD STRENGTH OF SPURIOUS RADIATION

RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27

LIMIT

§22.917 (e) and §24.238 (a): Out of band emissions. 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.

MODES TESTED

CDMA BC0/BC1 & LTE B4/B13

RESULTS

9.2.1. SPURIOUS RADIATION PLOTS

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:		LG								
Project #:		14U16955								
Date:		03/10/14								
Test Engineer:		D. Soper								
Configuration:		X Position w/AC charger and headphones								
Mode:		TX, LTE band 13, 10MHz BW, 16QAM								
Band LTE13 10MHz 16QAM	Chamber		Pre-amplifier		Filter		Limit			
	3m Chamber		T145 8449B		Filter 1		Part 24			
	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, (779.5 MHz)									
	Mid Ch, (782 MHz)									
	1.564	-27.9	V	3.0	30.7	1.0	-57.6	-13.0	-44.6	
	2.346	-25.0	V	3.0	28.9	1.0	-52.9	-13.0	-39.9	
	3.128	-23.7	V	3.0	26.8	1.0	-49.6	-13.0	-36.6	
	1.564	-30.1	H	3.0	30.7	1.0	-59.8	-13.0	-46.8	
	2.346	-27.4	H	3.0	28.9	1.0	-55.3	-13.0	-42.3	
3.128	-23.9	H	3.0	26.8	1.0	-49.8	-13.0	-36.8		
High Ch, (784.5 MHz)										
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

	Compliance Certification Services Above 1GHz High Frequency Substitution Measurement																																																																																																													
Band LTE13 10MHz QPSK	Company: LG Project #: 14U16955 Date: 03/10/14 Test Engineer: D. Soper Configuration: X Position w/AC charger and headphones Mode: TX, LTE band 13, 10MHz BW, QPSK Chamber 3m Chamber Pre-amplifier T145 8449B Filter Filter 1 Limit Part 24 <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>f GHz</th> <th>SG reading (dBm)</th> <th>Ant. Pol. (H/V)</th> <th>Distance (m)</th> <th>Preamp (dB)</th> <th>Filter (dB)</th> <th>ERP (dBm)</th> <th>Limit (dBm)</th> <th>Delta (dB)</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td colspan="10">Low Ch, (779.5 MHz)</td> </tr> <tr> <td colspan="10">Mid Ch, (782 MHz)</td> </tr> <tr> <td>1.564</td> <td>-28.4</td> <td>V</td> <td>3.0</td> <td>30.7</td> <td>1.0</td> <td>-58.1</td> <td>-13.0</td> <td>-45.1</td> <td></td> </tr> <tr> <td>2.346</td> <td>-24.7</td> <td>V</td> <td>3.0</td> <td>28.9</td> <td>1.0</td> <td>-52.6</td> <td>-13.0</td> <td>-39.6</td> <td></td> </tr> <tr> <td>3.128</td> <td>-25.4</td> <td>V</td> <td>3.0</td> <td>26.8</td> <td>1.0</td> <td>-51.3</td> <td>-13.0</td> <td>-38.3</td> <td></td> </tr> <tr> <td>1.564</td> <td>-30.3</td> <td>H</td> <td>3.0</td> <td>30.7</td> <td>1.0</td> <td>-60.0</td> <td>-13.0</td> <td>-47.0</td> <td></td> </tr> <tr> <td>2.346</td> <td>-26.6</td> <td>H</td> <td>3.0</td> <td>28.9</td> <td>1.0</td> <td>-54.4</td> <td>-13.0</td> <td>-41.4</td> <td></td> </tr> <tr> <td>3.128</td> <td>-23.4</td> <td>H</td> <td>3.0</td> <td>26.8</td> <td>1.0</td> <td>-49.2</td> <td>-13.0</td> <td>-36.2</td> <td></td> </tr> <tr> <td colspan="10">High Ch, (784.5 MHz)</td> </tr> </tbody> </table> Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.										f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes	Low Ch, (779.5 MHz)										Mid Ch, (782 MHz)										1.564	-28.4	V	3.0	30.7	1.0	-58.1	-13.0	-45.1		2.346	-24.7	V	3.0	28.9	1.0	-52.6	-13.0	-39.6		3.128	-25.4	V	3.0	26.8	1.0	-51.3	-13.0	-38.3		1.564	-30.3	H	3.0	30.7	1.0	-60.0	-13.0	-47.0		2.346	-26.6	H	3.0	28.9	1.0	-54.4	-13.0	-41.4		3.128	-23.4	H	3.0	26.8	1.0	-49.2	-13.0	-36.2		High Ch, (784.5 MHz)									
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes																																																																																																					
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Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	03/10/14									
Test Engineer:	D. Soper									
Configuration:	X Position w/AC charger and headphones									
Mode:	TX, LTE band 4, 20MHz BW, 16QAM									
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber		T145 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE4 20MHz 16QAM	Low Ch, (1720 MHz)									
	3.440	-23.0	V	3.0	26.4	1.0	-48.4	-13.0	-35.4	
	5.160	-20.5	V	3.0	24.3	1.0	-43.8	-13.0	-30.8	
	6.872	-18.5	V	3.0	23.2	1.0	-40.7	-13.0	-27.7	
	3.440	-23.7	H	3.0	26.4	1.0	-49.2	-13.0	-36.2	
	5.160	-19.9	H	3.0	24.3	1.0	-43.2	-13.0	-30.2	
	6.872	-17.5	H	3.0	23.2	1.0	-39.7	-13.0	-26.7	
	Mid Ch, (1732 MHz)									
	3.464	-23.8	V	3.0	26.4	1.0	-49.2	-13.0	-36.2	
	5.196	-20.7	V	3.0	24.3	1.0	-44.0	-13.0	-31.0	
	6.928	-17.9	V	3.0	23.1	1.0	-40.0	-13.0	-27.0	
	3.464	-23.4	H	3.0	26.4	1.0	-48.8	-13.0	-35.8	
	5.196	-18.6	H	3.0	24.3	1.0	-41.9	-13.0	-28.9	
	6.928	-16.7	H	3.0	23.1	1.0	-38.9	-13.0	-25.9	
	High Ch, (1748 MHz)									
	3.496	-21.9	V	3.0	26.4	1.0	-47.2	-13.0	-34.2	
	5.244	-20.7	V	3.0	24.3	1.0	-44.0	-13.0	-31.0	
	6.992	-16.9	V	3.0	23.1	1.0	-39.0	-13.0	-26.0	
3.496	-24.8	H	3.0	26.4	1.0	-50.2	-13.0	-37.2		
5.244	-20.1	H	3.0	24.3	1.0	-43.4	-13.0	-30.4		
6.992	-16.3	H	3.0	23.1	1.0	-38.4	-13.0	-25.4		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	03/10/14									
Test Engineer:	D. Soper									
Configuration:	X Position w/AC charger and headphones									
Mode:	TX, LTE band 4, 20MHz BW, QPSK									
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber		T145 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE4 20MHz QPSK	Low Ch, (1720 MHz)									
	3.440	-22.2	V	3.0	26.4	1.0	-47.6	-13.0	-34.6	
	5.160	-20.2	V	3.0	24.3	1.0	-43.5	-13.0	-30.5	
	6.872	-18.4	V	3.0	23.2	1.0	-40.6	-13.0	-27.6	
	3.440	-22.6	H	3.0	26.4	1.0	-48.1	-13.0	-35.1	
	5.160	-19.9	H	3.0	24.3	1.0	-43.3	-13.0	-30.3	
	6.872	-17.7	H	3.0	23.2	1.0	-39.8	-13.0	-26.8	
	Mid Ch, (1732 MHz)									
	3.464	-23.0	V	3.0	26.4	1.0	-48.4	-13.0	-35.4	
	5.196	-20.7	V	3.0	24.3	1.0	-44.0	-13.0	-31.0	
	6.928	-18.2	V	3.0	23.1	1.0	-40.3	-13.0	-27.3	
	3.464	-22.3	H	3.0	26.4	1.0	-47.7	-13.0	-34.7	
	5.196	-20.4	H	3.0	24.3	1.0	-43.7	-13.0	-30.7	
	6.928	-16.5	H	3.0	23.1	1.0	-38.6	-13.0	-25.6	
	High Ch, (1748 MHz)									
	3.496	-22.9	V	3.0	26.4	1.0	-48.2	-13.0	-35.2	
	5.244	-19.0	V	3.0	24.3	1.0	-42.2	-13.0	-29.2	
	6.992	-17.5	V	3.0	23.1	1.0	-39.6	-13.0	-26.6	
3.496	-22.4	H	3.0	26.4	1.0	-47.8	-13.0	-34.8		
5.244	-19.8	H	3.0	24.3	1.0	-43.1	-13.0	-30.1		
6.992	-16.0	H	3.0	23.1	1.0	-38.1	-13.0	-25.1		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	03/10/14									
Test Engineer:	D. Soper									
Configuration:	X Position w/AC charger and headphones									
Mode:	TX, LTE band 4, 15MHz BW, 16QAM									
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber		T145 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE4 15MHz 16QAM	Low Ch, (1718 MHz)									
	3.436	-22.6	V	3.0	26.5	1.0	-48.1	-13.0	-35.1	
	5.154	-20.1	V	3.0	24.3	1.0	-43.4	-13.0	-30.4	
	6.872	-18.0	V	3.0	23.2	1.0	-40.2	-13.0	-27.2	
	3.436	-23.4	H	3.0	26.5	1.0	-48.9	-13.0	-35.9	
	5.154	-19.4	H	3.0	24.3	1.0	-42.8	-13.0	-29.8	
	6.872	-17.4	H	3.0	23.2	1.0	-39.6	-13.0	-26.6	
	Mid Ch, (1732 MHz)									
	3.464	-22.4	V	3.0	26.4	1.0	-47.8	-13.0	-34.8	
	5.196	-19.1	V	3.0	24.3	1.0	-42.4	-13.0	-29.4	
	6.928	-17.4	V	3.0	23.1	1.0	-39.6	-13.0	-26.6	
	3.464	-22.8	H	3.0	26.4	1.0	-48.2	-13.0	-35.2	
	5.196	-19.5	H	3.0	24.3	1.0	-42.8	-13.0	-29.8	
	6.928	-15.8	H	3.0	23.1	1.0	-37.9	-13.0	-24.9	
	High Ch, (1748 MHz)									
	3.496	-23.0	V	3.0	26.4	1.0	-48.4	-13.0	-35.4	
	5.244	-20.3	V	3.0	24.3	1.0	-43.5	-13.0	-30.5	
	6.992	-17.0	V	3.0	23.1	1.0	-39.1	-13.0	-26.1	
	3.496	-23.0	H	3.0	26.4	1.0	-48.4	-13.0	-35.4	
	5.244	-20.0	H	3.0	24.3	1.0	-43.2	-13.0	-30.2	
	6.992	-15.7	H	3.0	23.1	1.0	-37.8	-13.0	-24.8	
	Rev. 03.03.09									
	Note: No other emissions were detected above the system noise floor.									

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	03/10/14									
Test Engineer:	D. Soper									
Configuration:	X Position w/AC charger and headphones									
Mode:	TX, LTE band 4, 15MHz BW, QPSK									
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber		T145 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE4 15MHz QPSK	Low Ch, (1718 MHz)									
	3.436	-22.6	V	3.0	26.5	1.0	-48.0	-13.0	-35.0	
	5.154	-20.1	V	3.0	24.3	1.0	-43.4	-13.0	-30.4	
	6.872	-18.4	V	3.0	23.2	1.0	-40.6	-13.0	-27.6	
	3.436	-22.7	H	3.0	26.5	1.0	-48.2	-13.0	-35.2	
	5.154	-19.5	H	3.0	24.3	1.0	-42.8	-13.0	-29.8	
	6.872	-16.9	H	3.0	23.2	1.0	-39.1	-13.0	-26.1	
	Mid Ch, (1732 MHz)									
	3.464	-23.2	V	3.0	26.4	1.0	-48.6	-13.0	-35.6	
	5.196	-20.2	V	3.0	24.3	1.0	-43.5	-13.0	-30.5	
	6.928	-17.3	V	3.0	23.1	1.0	-39.5	-13.0	-26.5	
	3.464	-22.6	H	3.0	26.4	1.0	-48.0	-13.0	-35.0	
	5.196	-19.8	H	3.0	24.3	1.0	-43.1	-13.0	-30.1	
	6.928	-16.4	H	3.0	23.1	1.0	-38.5	-13.0	-25.5	
	High Ch, (1748 MHz)									
	3.496	-21.7	V	3.0	26.4	1.0	-47.1	-13.0	-34.1	
	5.244	-18.1	V	3.0	24.3	1.0	-41.3	-13.0	-28.3	
	6.992	-16.3	V	3.0	23.1	1.0	-38.4	-13.0	-25.4	
3.496	-23.5	H	3.0	26.4	1.0	-48.8	-13.0	-35.8		
5.244	-19.3	H	3.0	24.3	1.0	-42.5	-13.0	-29.5		
6.992	-15.3	H	3.0	23.1	1.0	-37.4	-13.0	-24.4		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	03/05/14									
Test Engineer:	J.Jackson/ D. Soper									
Configuration:	X Position w/AC charger and headphones									
Mode:	TX, LTE band 4, 10MHz BW, 16QAM									
Chamber		Pre-amplifier		Filter		Limit				
5m Chamber B		T145 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE4 10MHz 16QAM	Low Ch, (1715 MHz)									
	3.430	-20.6	V	3.0	30.4	1.0	-50.0	-13.0	-37.0	
	5.145	-17.6	V	3.0	28.8	1.0	-45.4	-13.0	-32.4	
	6.860	-15.2	V	3.0	27.1	1.0	-41.4	-13.0	-28.4	
	3.430	-20.4	H	3.0	30.4	1.0	-49.8	-13.0	-36.8	
	5.145	-16.6	H	3.0	28.8	1.0	-44.4	-13.0	-31.4	
	6.860	-13.7	H	3.0	27.1	1.0	-39.8	-13.0	-26.8	
	Mid Ch, (1732.5 MHz)									
	3.465	-20.0	V	3.0	30.4	1.0	-49.4	-13.0	-36.4	
	5.198	-18.1	V	3.0	28.7	1.0	-45.8	-13.0	-32.8	
	6.930	-17.7	V	3.0	27.1	1.0	-43.8	-13.0	-30.8	
	3.465	-21.6	H	3.0	30.4	1.0	-51.0	-13.0	-38.0	
	5.198	-15.7	H	3.0	28.7	1.0	-43.4	-13.0	-30.4	
	6.930	-16.6	H	3.0	27.1	1.0	-42.7	-13.0	-29.7	
	High Ch, (1750 MHz)									
	3.500	-22.7	V	3.0	30.4	1.0	-52.0	-13.0	-39.0	
	5.250	-19.6	V	3.0	28.7	1.0	-47.3	-13.0	-34.3	
	7.000	-17.2	V	3.0	27.0	1.0	-43.2	-13.0	-30.2	
3.500	-22.7	H	3.0	30.4	1.0	-52.0	-13.0	-39.0		
5.250	-18.8	H	3.0	28.7	1.0	-46.4	-13.0	-33.4		
7.000	120.4	H	3.0	27.0	1.0	94.4	-13.0	107.4		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	03/05/14									
Test Engineer:	D. Soper									
Configuration:	X Position w/AC charger and headphones									
Mode:	TX, LTE band 4, 10MHz BW, QPSK									
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber		T145 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE4 10MHz QPSK	Low Ch, (1715 MHz)									
	3.430	-22.9	V	3.0	26.5	1.0	-48.4	-13.0	-35.4	
	5.145	-18.7	V	3.0	24.4	1.0	-42.0	-13.0	-29.0	
	6.860	-17.5	V	3.0	23.2	1.0	-39.7	-13.0	-26.7	
	3.430	-22.3	H	3.0	26.5	1.0	-47.8	-13.0	-34.8	
	5.145	-19.2	H	3.0	24.4	1.0	-42.5	-13.0	-29.5	
	6.860	-17.2	H	3.0	23.2	1.0	-39.4	-13.0	-26.4	
	Mid Ch, (1732.5 MHz)									
	3.465	-23.1	V	3.0	26.4	1.0	-48.5	-13.0	-35.5	
	5.198	-20.1	V	3.0	24.3	1.0	-43.4	-13.0	-30.4	
	6.930	-17.4	V	3.0	23.1	1.0	-39.5	-13.0	-26.5	
	3.465	-25.2	H	3.0	26.4	1.0	-50.6	-13.0	-37.6	
	5.198	-19.3	H	3.0	24.3	1.0	-42.6	-13.0	-29.6	
	6.930	-16.6	H	3.0	23.1	1.0	-38.8	-13.0	-25.8	
	High Ch, (1750 MHz)									
	3.500	-23.0	V	3.0	26.4	1.0	-48.4	-13.0	-35.4	
	5.250	-17.9	V	3.0	24.3	1.0	-41.2	-13.0	-28.2	
	7.000	-16.1	V	3.0	23.1	1.0	-38.2	-13.0	-25.2	
3.500	-22.2	H	3.0	26.4	1.0	-47.6	-13.0	-34.6		
5.250	-17.0	H	3.0	24.3	1.0	-40.3	-13.0	-27.3		
7.000	-15.4	H	3.0	23.1	1.0	-37.5	-13.0	-24.5		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	03/05/14									
Test Engineer:	J. Jackson									
Configuration:	X Position w/AC charger and headphones									
Mode:	TX, LTE band 4, 5MHz BW, 16QAM									
Chamber		Pre-amplifier		Filter		Limit				
5m Chamber B		T145 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE4 5MHz 16QAM	Low Ch, (1712.5 MHz)									
	3.425	-20.6	V	3.0	30.4	1.0	-50.1	-13.0	-37.1	
	5.139	-17.9	V	3.0	28.8	1.0	-45.7	-13.0	-32.7	
	6.850	-15.8	V	3.0	27.1	1.0	-42.0	-13.0	-29.0	
	3.427	-21.0	H	3.0	30.4	1.0	-50.4	-13.0	-37.4	
	5.134	-16.8	H	3.0	28.8	1.0	-44.5	-13.0	-31.5	
	6.849	-13.9	H	3.0	27.1	1.0	-40.1	-13.0	-27.1	
	Mid Ch, (1732.5 MHz)									
	3.460	-19.7	V	3.0	30.4	1.0	-49.1	-13.0	-36.1	
	5.190	-17.0	V	3.0	28.7	1.0	-44.7	-13.0	-31.7	
	6.921	-14.9	V	3.0	27.1	1.0	-41.0	-13.0	-28.0	
	3.460	-20.4	H	3.0	30.4	1.0	-49.8	-13.0	-36.8	
	5.191	-15.3	H	3.0	28.7	1.0	-43.0	-13.0	-30.0	
	6.921	-13.2	H	3.0	27.1	1.0	-39.3	-13.0	-26.3	
	High Ch, (1752.5 MHz)									
	3.500	-19.5	V	3.0	30.4	1.0	-48.9	-13.0	-35.9	
	5.251	-17.1	V	3.0	28.7	1.0	-44.7	-13.0	-31.7	
	7.001	-14.6	V	3.0	27.0	1.0	-40.6	-13.0	-27.6	
	3.500	-20.1	H	3.0	30.4	1.0	-49.5	-13.0	-36.5	
	5.264	-16.6	H	3.0	28.6	1.0	-44.2	-13.0	-31.2	
	7.000	-12.8	H	3.0	27.0	1.0	-38.8	-13.0	-25.8	
	Rev. 03.03.09									
	Note: No other emissions were detected above the system noise floor.									

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	03/05/14									
Test Engineer:	J. Jackson									
Configuration:	X Position w/AC charger and headphones									
Mode:	TX, LTE band 4, 5MHz BW, QPSK									
Chamber		Pre-amplifier		Filter		Limit				
5m Chamber B		T145 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE4 5MHz QPSK	Low Ch, (1712.5 MHz)									
	3.425	-19.9	V	3.0	30.4	1.0	-49.4	-13.0	-36.4	
	5.139	-17.9	V	3.0	28.8	1.0	-45.7	-13.0	-32.7	
	6.850	-14.2	V	3.0	27.1	1.0	-40.4	-13.0	-27.4	
	3.427	-20.4	H	3.0	30.4	1.0	-49.9	-13.0	-36.9	
	5.134	-16.5	H	3.0	28.8	1.0	-44.3	-13.0	-31.3	
	6.849	-13.5	H	3.0	27.1	1.0	-39.7	-13.0	-26.7	
	Mid Ch, (1732.5 MHz)									
	3.460	-20.8	V	3.0	30.4	1.0	-50.2	-13.0	-37.2	
	5.190	-16.5	V	3.0	28.7	1.0	-44.2	-13.0	-31.2	
	6.921	-15.5	V	3.0	27.1	1.0	-41.6	-13.0	-28.6	
	3.460	-20.4	H	3.0	30.4	1.0	-49.8	-13.0	-36.8	
	5.191	-15.8	H	3.0	28.7	1.0	-43.5	-13.0	-30.5	
	6.921	-13.3	H	3.0	27.1	1.0	-39.3	-13.0	-26.3	
	High Ch, (1752.5 MHz)									
	3.500	-20.2	V	3.0	30.4	1.0	-49.6	-13.0	-36.6	
	5.251	-17.4	V	3.0	28.7	1.0	-45.0	-13.0	-32.0	
	7.001	-15.1	V	3.0	27.0	1.0	-41.1	-13.0	-28.1	
3.500	-20.1	H	3.0	30.4	1.0	-49.5	-13.0	-36.5		
5.264	-16.2	H	3.0	28.6	1.0	-43.8	-13.0	-30.8		
7.000	-12.9	H	3.0	27.0	1.0	-38.9	-13.0	-25.9		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	02/10/14									
Test Engineer:	R. Alegre									
Configuration:	X position W/ AC adapter									
Mode:	EVDO BC01 HARM									
Chamber Pre-amplifier Filter Limit 5m Chamber C T343 8449B Filter 1 Part 24										
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
BC1 EVDO	Low Ch, 1851.25MHz									
	3.700	1.8	V	3.0	35.4	1.0	-32.6	-13.0	-19.6	
	5.550	-10.7	V	3.0	34.7	1.0	-44.4	-13.0	-31.4	
	7.400	-11.2	V	3.0	34.9	1.0	-45.1	-13.0	-32.1	
	3.700	4.8	H	3.0	35.4	1.0	-29.6	-13.0	-16.6	
	5.550	-8.0	H	3.0	34.7	1.0	-41.7	-13.0	-28.7	
	7.400	-9.3	H	3.0	34.9	1.0	-43.2	-13.0	-30.2	
	Mid Ch, 1880.0MHz									
	3.760	-1.9	V	3.0	35.3	1.0	-36.3	-13.0	-23.3	
	5.640	-7.5	V	3.0	34.7	1.0	-41.2	-13.0	-28.2	
	7.520	-10.9	V	3.0	34.9	1.0	-44.8	-13.0	-31.8	
	3.760	-4.0	H	3.0	35.3	1.0	-38.3	-13.0	-25.3	
	5.640	-7.8	H	3.0	34.7	1.0	-41.5	-13.0	-28.5	
	7.520	-7.6	H	3.0	34.9	1.0	-41.5	-13.0	-28.5	
	High Ch, 1908.75 MHz									
	3.820	-2.6	V	3.0	35.3	1.0	-36.9	-13.0	-23.9	
	5.729	-7.1	V	3.0	34.7	1.0	-40.8	-13.0	-27.8	
	7.640	-8.8	V	3.0	35.0	1.0	-42.7	-13.0	-29.7	
	3.820	0.1	H	3.0	35.3	1.0	-34.2	-13.0	-21.2	
	5.729	-8.9	H	3.0	34.7	1.0	-42.7	-13.0	-29.7	
7.640	-7.7	H	3.0	35.0	1.0	-41.6	-13.0	-28.6		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	02/06/14									
Test Engineer:	K.Kedida									
Configuration:	X Position w/AC charger and headphones									
Mode:	CDMA BC01 HARM									
Chamber Pre-amplifier Filter Limit 5m Chamber C T343 8449B Filter 1 Part 24										
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
BC1 1xRTT	Low Ch, 1850MHz									
	3.700	3.5	V	3.0	35.4	1.0	-30.9	-13.0	-17.9	
	5.550	-9.1	V	3.0	34.7	1.0	-42.8	-13.0	-29.8	
	7.400	-8.9	V	3.0	34.9	1.0	-42.8	-13.0	-29.8	
	3.700	7.3	H	3.0	35.4	1.0	-27.1	-13.0	-14.1	
	5.550	-7.9	H	3.0	34.7	1.0	-41.7	-13.0	-28.7	
	7.400	-7.7	H	3.0	34.9	1.0	-41.6	-13.0	-28.6	
	Mid Ch, 1880.0MHz									
	3.760	-1.8	V	3.0	35.3	1.0	-36.1	-13.0	-23.1	
	5.640	-5.5	V	3.0	34.7	1.0	-39.2	-13.0	-26.2	
	7.520	-8.9	V	3.0	34.9	1.0	-42.9	-13.0	-29.9	
	3.760	-1.0	H	3.0	35.3	1.0	-35.3	-13.0	-22.3	
	5.640	-7.6	H	3.0	34.7	1.0	-41.3	-13.0	-28.3	
	7.520	-7.0	H	3.0	34.9	1.0	-41.0	-13.0	-28.0	
	High Ch, 1909.8 MHz									
	3.820	-2.6	V	3.0	35.3	1.0	-36.8	-13.0	-23.8	
	5.729	-4.7	V	3.0	34.7	1.0	-38.4	-13.0	-25.4	
	7.640	-8.8	V	3.0	35.0	1.0	-42.7	-13.0	-29.7	
	3.820	4.1	H	3.0	35.3	1.0	-30.2	-13.0	-17.2	
	5.729	-7.5	H	3.0	34.7	1.0	-41.2	-13.0	-28.2	
	7.640	-6.7	H	3.0	35.0	1.0	-40.7	-13.0	-27.7	
	Rev. 03.03.09									
	Note: No other emissions were detected above the system noise floor.									

Company: LG
Project #: 14U16955
Date: 02/06/14
Test Engineer: K.Kedida
Configuration: X Position w/AC charger and headphones
Mode: EVDOR0 BC0 HARM

Chamber	Pre-amplifier	Filter	Limit
3m Chamber B	T343 8449B	Filter 1	Part 24

Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
BC0	Low Ch, 824.7MHz									
	1.650	-28.2	V	3.0	37.4	1.0	-64.5	-13.0	-51.5	
	2.474	-23.8	V	3.0	36.4	1.0	-59.2	-13.0	-46.2	
EVDO	3.298	-19.3	V	3.0	35.8	1.0	-54.1	-13.0	-41.1	
	1.650	-28.0	H	3.0	37.4	1.0	-64.3	-13.0	-51.3	
	2.474	-24.6	H	3.0	36.4	1.0	-60.0	-13.0	-47.0	
REL. 0	3.298	-19.5	H	3.0	35.8	1.0	-54.3	-13.0	-41.3	
	Mid Ch, 836.52MHz									
	1.673	-28.9	V	3.0	37.3	1.0	-65.3	-13.0	-52.3	
	2.509	-22.9	V	3.0	36.4	1.0	-58.2	-13.0	-45.2	
	3.346	-19.0	V	3.0	35.8	1.0	-53.7	-13.0	-40.7	
	1.673	-29.3	H	3.0	37.3	1.0	-65.6	-13.0	-52.6	
	2.509	-25.4	H	3.0	36.4	1.0	-60.7	-13.0	-47.7	
	3.346	-19.6	H	3.0	35.8	1.0	-54.4	-13.0	-41.4	
	High Ch, 848.31 MHz									
	1.696	-29.2	V	3.0	37.3	1.0	-65.5	-13.0	-52.5	
	2.544	-23.5	V	3.0	36.3	1.0	-58.8	-13.0	-45.8	
	3.393	-17.7	V	3.0	35.7	1.0	-52.4	-13.0	-39.4	
	1.696	-28.9	H	3.0	37.3	1.0	-65.2	-13.0	-52.2	
	2.544	-24.3	H	3.0	36.3	1.0	-59.6	-13.0	-46.6	
	3.393	-18.9	H	3.0	35.7	1.0	-53.6	-13.0	-40.6	

Rev. 03.03.09

Note: No other emissions were detected above the system noise floor.

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:	LG									
Project #:	14U16955									
Date:	02/06/14									
Test Engineer:	K.Kedida									
Configuration:	X Position w/AC charger and headphones									
Mode:	RTT BC0 HARM									
Chamber Pre-amplifier Filter Limit 3m Chamber B T343 8449B Filter 1 Part 24										
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
BC0 1xRTT	Low Ch, 824.7MHz									
	1.650	-28.7	V	3.0	37.4	1.0	-65.1	-13.0	-52.1	
	2.474	-21.5	V	3.0	36.4	1.0	-56.9	-13.0	-43.9	
	3.298	-20.0	V	3.0	35.8	1.0	-54.8	-13.0	-41.8	
	1.650	-29.4	H	3.0	37.4	1.0	-65.8	-13.0	-52.8	
	2.474	-25.2	H	3.0	36.4	1.0	-60.6	-13.0	-47.6	
	3.298	-19.4	H	3.0	35.8	1.0	-54.2	-13.0	-41.2	
	Mid Ch, 836.52MHz									
	1.673	-29.0	V	3.0	37.3	1.0	-65.3	-13.0	-52.3	
	2.509	-23.2	V	3.0	36.4	1.0	-58.6	-13.0	-45.6	
	3.346	-19.6	V	3.0	35.8	1.0	-54.4	-13.0	-41.4	
	1.673	-29.2	H	3.0	37.3	1.0	-65.5	-13.0	-52.5	
	2.509	-25.0	H	3.0	36.4	1.0	-60.4	-13.0	-47.4	
	3.346	-19.3	H	3.0	35.8	1.0	-54.0	-13.0	-41.0	
	High Ch, 848.31 MHz									
	1.696	-28.8	V	3.0	37.3	1.0	-65.1	-13.0	-52.1	
	2.544	-23.6	V	3.0	36.3	1.0	-58.9	-13.0	-45.9	
	3.393	-18.6	V	3.0	35.7	1.0	-53.3	-13.0	-40.3	
1.696	-28.8	H	3.0	37.3	1.0	-65.1	-13.0	-52.1		
2.544	-25.1	H	3.0	36.3	1.0	-60.4	-13.0	-47.4		
3.393	-18.8	H	3.0	35.7	1.0	-53.5	-13.0	-40.5		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										