

Band  LTE4  5MHz  16QAM	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>								
	<b>Company:</b>		LG						
	<b>Project #:</b>		15I21237						
	<b>Date:</b>		7/21/2015						
	<b>Test Engineer:</b>		A. Escamilla						
	<b>Configuration:</b>		Y-Pos, EUT Only						
	<b>Location:</b>		Chamber C						
	<b>Mode:</b>		LTE_16QAM Band 4 Fundamentals, 5MHz Bandwidth						
	<b>Test Equipment:</b>		Receiving: Horn T119, and Chamber C SMA Cables Substitution: Horn T59, Xft SMA Cable (SN # 506392) Warehouse						
			0						

Band  LTE4  5MHz  QPSK	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																	
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Band  LTE4  1.4MHz  16QAM	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																	
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**LTE Band 5**

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847.50	22.18	H	0.9	0.0	21.28	38.5	-17.2																																																																																											

Band  LTE5  3MHz  QPSK	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																
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Band  LTE5  1.4MHz  16QAM	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																	
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836.50	13.76	V	0.9	0.0	12.86	38.5	-25.6																																																																																											
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Band  LTE5  1.4MHz  QPSK	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>								
	<b>Company:</b> LG <b>Project #:</b> 15I21237 <b>Date:</b> 7/23/2015 <b>Test Engineer:</b> A. Escamilla <b>Configuration:</b> EUT Only <b>Location:</b> Chamber C <b>Mode:</b> LTE_QPSK Band 5 Fundamentals, 1.4MHz Bandwidth								
	<b>Test Equipment:</b> <b>Receiving:</b> Hybrid T185, and Chamber C SMA Cables <b>Substitution:</b> Dipole T416, 4ft SMA Cable (SN # 506392) Warehouse								
	f	SG reading	Ant. Pol.	Cable Loss	Antenna Gain	ERP	Limit	Delta	Notes
	MHz	(dBm)	(H/V)	(dB)	(dBd)	(dBm)	(dBm)	(dB)	
	Low Ch								
	824.70	15.52	V	0.9	0.0	14.62	38.5	-23.9	
	824.70	22.65	H	0.9	0.0	21.75	38.5	-16.8	
	Mid Ch								
	836.50	14.06	V	0.9	0.0	13.16	38.5	-25.3	
836.50	22.74	H	0.9	0.0	21.84	38.5	-16.7		
High Ch									
848.30	13.73	V	0.9	0.0	12.83	38.5	-25.7		
848.30	22.49	H	0.9	0.0	21.59	38.5	-16.9		

**LTE Band 7**

Band  LTE7  20MHz  16QAM	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																	
	<b>Company:</b>		LG																																																																																															
	<b>Project #:</b>		15I21237																																																																																															
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	<b>Mode:</b>		LTE_16QAM Band 7 Fundamentals, 20MHz Bandwidth																																																																																															
	<b>Test Equipment:</b>		Receiving: Horn T119, and Chamber C SMA Cables Substitution: Horn T59, SMA Cable (SN # 506392) Warehouse																																																																																															
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Band  LTE7  20MHz  QPSK	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																	
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Band  LTE7  15MHz  QPSK	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																	
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**LTE Band 17**

Band LTE17 10MHz 16QAM	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																	
	<b>Company:</b>		LG																																																																																															
	<b>Project #:</b>		15I21237																																																																																															
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	<b>Test Engineer:</b>		A. Escamilla																																																																																															
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Band  LTE17  5MHz  QPSK	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>								
	<b>Company:</b> LG <b>Project #:</b> 15I21237 <b>Date:</b> 7/23/2015 <b>Test Engineer:</b> A. Escamilla <b>Configuration:</b> EUT Only <b>Location:</b> Chamber C <b>Mode:</b> LTE_QPSK Band 17 Fundamentals, 5MHz Bandwidth								
	<b>Test Equipment:</b> <b>Receiving:</b> Hybrid T185, and Chamber C SMA Cables <b>Substitution:</b> Dipole T416, 4ft SMA Cable (SN # 506392) Warehouse								
	f	SG reading	Ant. Pol.	Cable Loss	Antenna Gain	ERP	Limit	Delta	Notes
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	<b>Low Ch</b>								
	706.50	8.26	V	0.9	0.0	7.36	34.8	-27.4	
	706.50	18.08	H	0.9	0.0	17.18	34.8	-17.6	
	<b>Mid Ch</b>								
	710.00	8.26	V	0.9	0.0	7.36	34.8	-27.4	
710.00	18.03	H	0.9	0.0	17.13	34.8	-17.6		
<b>High Ch</b>									
713.50	8.31	V	0.9	0.0	7.41	34.8	-27.4		
713.50	18.13	H	0.9	0.0	17.23	34.8	-17.5		

**LTE Band 26**

Band LTE26 15MHz 16QAM	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																	
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	Low Ch								
	819.00	15.15	V	0.9	0.0	14.25	50.0	-35.8	
	819.00	23.16	H	0.9	0.0	22.26	50.0	-27.7	
	Mid Ch								
	831.50	13.91	V	0.9	0.0	13.01	38.5	-25.5	
	831.50	23.19	H	0.9	0.0	22.29	38.5	-16.2	
High Ch									
844.00	13.88	V	0.9	0.0	12.98	38.5	-25.5		
844.00	22.91	H	0.9	0.0	22.01	38.5	-16.5		

Band LTE26 5MHz 16QAM	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																
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Band  LTE26  3MHz  QPSK	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>								
	<b>Company:</b> LG <b>Project #:</b> 15I21237 <b>Date:</b> 7/23/2015 <b>Test Engineer:</b> A. Escamilla <b>Configuration:</b> EUT Only <b>Location:</b> Chamber C <b>Mode:</b> LTE_QPSK Band 26 Fundamentals, 3MHz Bandwidth								
	<b>Test Equipment:</b> Receiving: Hybrid T185, and Chamber C SMA Cables Substitution: Dipole T416, 4ft SMA Cable (SN # 506392) Warehouse								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch								
	815.50	15.50	V	0.9	0.0	14.60	50.0	-35.4	
	815.50	23.11	H	0.9	0.0	22.21	50.0	-27.8	
	Mid Ch								
	831.50	14.14	V	0.9	0.0	13.24	38.5	-25.3	
	831.50	23.03	H	0.9	0.0	22.13	38.5	-16.4	
High Ch									
847.50	13.77	V	0.9	0.0	12.87	38.5	-25.6		
847.50	22.54	H	0.9	0.0	21.64	38.5	-16.9		

Band  LTE26  1.4MHz  16QAM	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>								
	<b>Company:</b> LG <b>Project #:</b> 15I21237 <b>Date:</b> 7/23/2015 <b>Test Engineer:</b> A. Escamilla <b>Configuration:</b> EUT Only <b>Location:</b> Chamber C <b>Mode:</b> LTE_16QAM Band 26 Fundamentals, 1.4MHz Bandwidth								
	<b>Test Equipment:</b> Receiving: Hybrid T185, and Chamber C SMA Cables Substitution: Dipole T416, 4ft SMA Cable (SN # 506392) Warehouse								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch								
	814.70	15.08	V	0.9	0.0	14.18	50.0	-35.8	
	814.70	23.04	H	0.9	0.0	22.14	50.0	-27.9	
	Mid Ch								
	831.50	13.76	V	0.9	0.0	12.86	38.5	-25.6	
	831.50	22.55	H	0.9	0.0	21.65	38.5	-16.9	
High Ch									
848.30	13.32	V	0.9	0.0	12.42	38.5	-26.1		
848.30	22.00	H	0.9	0.0	21.10	38.5	-17.4		

Band  LTE26  1.4MHz  QPSK	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>								
	<b>Company:</b> LG <b>Project #:</b> 15I21237 <b>Date:</b> 7/23/2015 <b>Test Engineer:</b> A. Escamilla <b>Configuration:</b> EUT Only <b>Location:</b> Chamber C <b>Mode:</b> LTE_QPSK Band 26 Fundamentals, 1.4MHz Bandwidth								
	<b>Test Equipment:</b> Receiving: Hybrid T185, and Chamber C SMA Cables Substitution: Dipole T416, 4ft SMA Cable (SN # 506392) Warehouse								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBd)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch								
	814.70	15.52	V	0.9	0.0	14.62	50.0	-35.4	
	814.70	22.65	H	0.9	0.0	21.75	50.0	-28.3	
	Mid Ch								
	831.50	14.06	V	0.9	0.0	13.16	38.5	-25.3	
	831.50	22.74	H	0.9	0.0	21.84	38.5	-16.7	
High Ch									
848.30	13.73	V	0.9	0.0	12.83	38.5	-25.7		
848.30	22.49	H	0.9	0.0	21.59	38.5	-16.9		

LTE Band 41

Band  LTE41  20MHz  16QAM	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																	
	<b>Company:</b>		LG																																																																																															
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	<b>Test Equipment:</b>		Receiving: Horn T119, and Chamber C SMA Cables Substitution: Horn T59, Xft SMA Cable (SN # 506392) Warehouse																																																																																															
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Band  LTE41  20MHz  QPSK	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																
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Band  LTE41  15MHz  16QAM	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																
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Band  LTE41  15MHz  QPSK	<b>High Frequency Substitution Measurement</b> <b>UL Verification Services, Inc.</b>																																																																																																	
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<b>Mid Ch</b>																																																																																																		
2593.00	11.30	V	0.9	9.5	19.91	33.0	-13.1																																																																																											
2593.00	7.34	H	0.9	9.5	15.94	33.0	-17.1																																																																																											
<b>High Ch</b>																																																																																																		
2687.50	10.98	V	0.9	9.7	19.83	33.0	-13.2																																																																																											
2687.50	7.01	H	0.9	9.7	15.85	33.0	-17.1																																																																																											

## 11.2. FIELD STRENGTH OF SPURIOUS RADIATION

### RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27.53 and §90.691

### LIMIT

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.

Part 27: (m)(4) (4) For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log (P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log (P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log (P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than  $43 + 10 \log (P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log (P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

### 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

GSM, WCDMA, and LTE

### RESULTS

### 11.2.1. SPURIOUS RADIATION PLOTS

#### GSM

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
Company:		LG								
Project #:		15I21237								
Date:		07/15/15								
Test Engineer:		D. Mun								
Configuration:		EUT w/ AC Adaptor and HS								
Mode:		EGPRS1900 Harm								
Chamber		Pre-amplifier			Filter		Limit			
5m Chamber A		T34 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
Low Ch, 1850.2MHz										
GSM	3.700	-18.1	V	3.0	35.4	1.0	-52.5	-13.0	-39.5	
	5.551	-16.3	V	3.0	34.7	1.0	-50.0	-13.0	-37.0	
	7.401	-15.4	V	3.0	34.9	1.0	-49.3	-13.0	-36.3	
1900	3.700	-17.7	H	3.0	35.4	1.0	-52.1	-13.0	-39.1	
	5.551	-16.4	H	3.0	34.7	1.0	-50.1	-13.0	-37.1	
	7.401	-14.0	H	3.0	34.9	1.0	-48.0	-13.0	-35.0	
EGPRS										
Mid Ch, 1880.0MHz										
	3.760	-18.8	V	3.0	35.3	1.0	-53.1	-13.0	-40.1	
	5.640	-17.5	V	3.0	34.7	1.0	-51.2	-13.0	-38.2	
	7.520	-15.8	V	3.0	34.9	1.0	-49.8	-13.0	-36.8	
	3.760	-18.4	H	3.0	35.3	1.0	-52.8	-13.0	-39.8	
	5.640	-16.0	H	3.0	34.7	1.0	-49.7	-13.0	-36.7	
	7.520	-14.9	H	3.0	34.9	1.0	-48.9	-13.0	-35.9	
High Ch, 1909.8MHz										
	3.820	-18.3	V	3.0	35.3	1.0	-52.6	-13.0	-39.6	
	5.729	-16.3	V	3.0	34.7	1.0	-50.0	-13.0	-37.0	
	7.639	-15.2	V	3.0	35.0	1.0	-49.2	-13.0	-36.2	
	3.820	-18.6	H	3.0	35.3	1.0	-52.9	-13.0	-39.9	
	5.729	-16.5	H	3.0	34.7	1.0	-50.2	-13.0	-37.2	
	7.639	-13.1	H	3.0	35.0	1.0	-47.0	-13.0	-34.0	
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237								
<b>Date:</b>		07/15/15								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT w/ AC Adaptor and HS								
<b>Mode:</b>		GPRS1900 Harm								
<b>Chamber</b>		<b>Pre-amplifier</b>			<b>Filter</b>		<b>Limit</b>			
5m Chamber A		T34 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
	<b>Low Ch, 1850.2MHz</b>									
	3.700	-19.0	V	3.0	35.4	1.0	-53.4	-13.0	-40.4	
GSM	5.551	-16.9	V	3.0	34.7	1.0	-50.7	-13.0	-37.7	
1900	7.401	-15.2	V	3.0	34.9	1.0	-49.1	-13.0	-36.1	
	3.700	-17.5	H	3.0	35.4	1.0	-51.9	-13.0	-38.9	
GPRS	5.551	-17.0	H	3.0	34.7	1.0	-50.7	-13.0	-37.7	
	7.401	-13.3	H	3.0	34.9	1.0	-47.2	-13.0	-34.2	
	<b>Mid Ch, 1880.0MHz</b>									
	3.760	-19.5	V	3.0	35.3	1.0	-53.8	-13.0	-40.8	
	5.640	-17.8	V	3.0	34.7	1.0	-51.5	-13.0	-38.5	
	7.520	-16.7	V	3.0	34.9	1.0	-50.7	-13.0	-37.7	
	3.760	-18.8	H	3.0	35.3	1.0	-53.2	-13.0	-40.2	
	5.640	-16.2	H	3.0	34.7	1.0	-49.9	-13.0	-36.9	
	7.520	-15.2	H	3.0	34.9	1.0	-49.1	-13.0	-36.1	
	<b>High Ch, 1909.8MHz</b>									
	3.820	-19.2	V	3.0	35.3	1.0	-53.5	-13.0	-40.5	
	5.729	-17.4	V	3.0	34.7	1.0	-51.1	-13.0	-38.1	
	7.639	-16.1	V	3.0	35.0	1.0	-50.0	-13.0	-37.0	
	3.820	-18.8	H	3.0	35.3	1.0	-53.1	-13.0	-40.1	
	5.729	-17.3	H	3.0	34.7	1.0	-51.1	-13.0	-38.1	
	7.639	-15.6	H	3.0	35.0	1.0	-49.6	-13.0	-36.6	
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/15/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT + Headset + Charger							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		EGPRS 850 MHz Harmonics							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 824.2									
Band	1648.40	-26.3	V	3.0	37.0	1.0	-62.4	-13.0	-49.4
	2472.60	-23.2	V	3.0	36.4	1.0	-58.6	-13.0	-45.6
	3296.80	-22.4	V	3.0	36.2	1.0	-57.5	-13.0	-44.5
GSM 850	1648.40	-26.5	H	3.0	37.0	1.0	-62.5	-13.0	-49.5
	2472.60	-24.0	H	3.0	36.4	1.0	-59.4	-13.0	-46.4
	3296.80	-23.3	H	3.0	36.2	1.0	-58.4	-13.0	-45.4
Mid Ch, 836.6									
EGPRS	1673.20	-26.0	V	3.0	37.0	1.0	-62.0	-13.0	-49.0
	2509.80	-23.0	V	3.0	36.4	1.0	-58.4	-13.0	-45.4
	3346.40	-22.5	V	3.0	36.1	1.0	-57.6	-13.0	-44.6
	1673.20	-26.1	H	3.0	37.0	1.0	-62.1	-13.0	-49.1
	2509.80	-24.7	H	3.0	36.4	1.0	-60.1	-13.0	-47.1
3346.40	-23.0	H	3.0	36.1	1.0	-58.1	-13.0	-45.1	
High Ch, 848.8									
	1697.60	-25.9	V	3.0	37.0	1.0	-61.8	-13.0	-48.8
	2546.40	-22.9	V	3.0	36.4	1.0	-58.3	-13.0	-45.3
	3395.20	-22.3	V	3.0	36.1	1.0	-57.4	-13.0	-44.4
	1697.60	-26.1	H	3.0	37.0	1.0	-62.0	-13.0	-49.0
	2546.40	-24.3	H	3.0	36.4	1.0	-59.8	-13.0	-46.8
	3395.20	-23.5	H	3.0	36.1	1.0	-58.6	-13.0	-45.6

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/15/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT + Headset + Charger							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		GPRS 850 MHz Harmonics							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 824.2</b>									
Band	1648.40	-27.2	V	3.0	37.0	1.0	-63.3	-13.0	-50.3
	2472.60	-24.2	V	3.0	36.4	1.0	-59.6	-13.0	-46.6
	3296.80	-24.0	V	3.0	36.2	1.0	-59.1	-13.0	-46.1
GSM 850	1648.40	-27.6	H	3.0	37.0	1.0	-63.6	-13.0	-50.6
	2472.60	-25.7	H	3.0	36.4	1.0	-61.1	-13.0	-48.1
	3296.80	-24.5	H	3.0	36.2	1.0	-59.6	-13.0	-46.6
<b>Mid Ch, 836.6</b>									
GPRS	1673.20	-25.1	V	3.0	37.0	1.0	-61.1	-13.0	-48.1
	2509.80	-24.0	V	3.0	36.4	1.0	-59.4	-13.0	-46.4
	3346.40	-23.6	V	3.0	36.1	1.0	-58.8	-13.0	-45.8
	1673.20	-27.3	H	3.0	37.0	1.0	-63.3	-13.0	-50.3
	2509.80	-25.7	H	3.0	36.4	1.0	-61.1	-13.0	-48.1
3346.40	-23.9	H	3.0	36.1	1.0	-59.0	-13.0	-46.0	
<b>High Ch, 848.8</b>									
	1697.60	-26.8	V	3.0	37.0	1.0	-62.8	-13.0	-49.8
	2546.40	-23.9	V	3.0	36.4	1.0	-59.3	-13.0	-46.3
	3395.20	-23.1	V	3.0	36.1	1.0	-58.2	-13.0	-45.2
	1697.60	-27.2	H	3.0	37.0	1.0	-63.1	-13.0	-50.1
	2546.40	-25.4	H	3.0	36.4	1.0	-60.8	-13.0	-47.8
	3395.20	-24.7	H	3.0	36.1	1.0	-59.7	-13.0	-46.7

**WCDMA**

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/15/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		X-pos EUT w/ AC Adapter							
<b>Mode:</b>		HSDPA B2							
<b>Chamber</b>		<b>Pre-amplifier</b>		<b>Filter</b>		<b>Limit</b>			
5m Chamber A		T34 8449B		Filter 1		Part 24			
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band									
Band 2									
HSDPA									
Low Ch, 1852.4MHz									
3.705	-19.4	V	3.0	35.4	1.0	-53.8	-13.0	-40.8	
5.557	-17.9	V	3.0	34.7	1.0	-51.7	-13.0	-38.7	
7.410	-16.5	V	3.0	34.9	1.0	-50.4	-13.0	-37.4	
3.705	-19.6	H	3.0	35.4	1.0	-54.0	-13.0	-41.0	
5.557	-19.0	H	3.0	34.7	1.0	-52.7	-13.0	-39.7	
7.410	-15.0	H	3.0	34.9	1.0	-48.9	-13.0	-35.9	
Mid Ch, 1880MHz									
3.760	-19.4	V	3.0	35.3	1.0	-53.7	-13.0	-40.7	
5.640	-18.0	V	3.0	34.7	1.0	-51.7	-13.0	-38.7	
7.520	-15.8	V	3.0	34.9	1.0	-49.7	-13.0	-36.7	
3.760	-19.9	H	3.0	35.3	1.0	-54.2	-13.0	-41.2	
5.640	-18.6	H	3.0	34.7	1.0	-52.3	-13.0	-39.3	
7.520	-13.9	H	3.0	34.9	1.0	-47.8	-13.0	-34.8	
High Ch, 1907.6MHz									
3.815	-19.6	V	3.0	35.3	1.0	-53.9	-13.0	-40.9	
5.723	-18.8	V	3.0	34.7	1.0	-52.5	-13.0	-39.5	
7.630	-16.1	V	3.0	34.9	1.0	-50.0	-13.0	-37.0	
3.815	-20.2	H	3.0	35.3	1.0	-54.5	-13.0	-41.5	
5.723	-18.8	H	3.0	34.7	1.0	-52.6	-13.0	-39.6	
7.630	-14.6	H	3.0	34.9	1.0	-48.6	-13.0	-35.6	
Rev. 03.03.09									
Note: No other emissions were detected above the system noise floor.									

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/15/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		X-pos EUT w/ AC Adapter							
<b>Mode:</b>		Rel. 99 B2							
<b>Chamber</b>		<b>Pre-amplifier</b>			<b>Filter</b>		<b>Limit</b>		
5m Chamber A		T34 8449B			Filter 1		Part 24		
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Band</b>									
<b>Low Ch, 1852.4MHz</b>									
3.705	-18.5	V	3.0	35.4	1.0	-52.9	-13.0	-39.9	
5.557	-17.7	V	3.0	34.7	1.0	-51.5	-13.0	-38.5	
7.410	-15.2	V	3.0	34.9	1.0	-49.1	-13.0	-36.1	
<b>Band 2</b>									
3.705	-18.5	H	3.0	35.4	1.0	-52.9	-13.0	-39.9	
5.557	-17.3	H	3.0	34.7	1.0	-51.0	-13.0	-38.0	
7.410	-14.8	H	3.0	34.9	1.0	-48.7	-13.0	-35.7	
<b>REL99</b>									
<b>Mid Ch, 1880MHz</b>									
3.760	-18.5	V	3.0	35.3	1.0	-52.8	-13.0	-39.8	
5.640	-17.2	V	3.0	34.7	1.0	-50.9	-13.0	-37.9	
7.520	-15.4	V	3.0	34.9	1.0	-49.3	-13.0	-36.3	
3.760	-18.4	H	3.0	35.3	1.0	-52.8	-13.0	-39.8	
5.640	-17.7	H	3.0	34.7	1.0	-51.4	-13.0	-38.4	
7.520	-13.6	H	3.0	34.9	1.0	-47.5	-13.0	-34.5	
<b>High Ch, 1907.6MHz</b>									
3.815	-18.6	V	3.0	35.3	1.0	-52.9	-13.0	-39.9	
5.723	-18.2	V	3.0	34.7	1.0	-52.0	-13.0	-39.0	
7.630	-15.2	V	3.0	34.9	1.0	-49.2	-13.0	-36.2	
3.815	-19.1	H	3.0	35.3	1.0	-53.3	-13.0	-40.3	
5.723	-17.0	H	3.0	34.7	1.0	-50.7	-13.0	-37.7	
7.630	-13.8	H	3.0	34.9	1.0	-47.7	-13.0	-34.7	
Rev. 03.03.09									
Note: No other emissions were detected above the system noise floor.									

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237 (LG-H791)								
<b>Date:</b>		7/24/2015								
<b>Test Engineer:</b>		Jude Semana								
<b>Configuration:</b>		EUT + Charger + Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		HSDPA Band 4 Harmonics								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	<b>Low Ch, 1712.4</b>									
Band	3424.80	-11.5	V	3.0	35.9	1.0	-46.4	-13.0	-33.4	
Band 4	5137.20	-14.1	V	3.0	35.5	1.0	-48.6	-13.0	-35.6	
HSDPA	6849.60	-14.7	V	3.0	35.7	1.0	-49.4	-13.0	-36.4	
	3424.80	-13.4	H	3.0	35.9	1.0	-48.3	-13.0	-35.3	
	5137.20	-14.2	H	3.0	35.5	1.0	-48.6	-13.0	-35.6	
	6849.60	-14.1	H	3.0	35.7	1.0	-48.8	-13.0	-35.8	
	<b>Mid Ch, 1732.6</b>									
	3465.20	-15.7	V	3.0	35.8	1.0	-50.5	-13.0	-37.5	
	5197.80	-15.9	V	3.0	35.5	1.0	-50.4	-13.0	-37.4	
	6930.04	-13.7	V	3.0	35.7	1.0	-48.5	-13.0	-35.5	
	3465.20	-14.7	H	3.0	35.8	1.0	-49.5	-13.0	-36.5	
	5197.80	-15.2	H	3.0	35.5	1.0	-49.7	-13.0	-36.7	
	6930.04	-13.5	H	3.0	35.7	1.0	-48.3	-13.0	-35.3	
	<b>High Ch, 1752.6</b>									
	3505.20	-13.3	V	3.0	35.8	1.0	-48.1	-13.0	-35.1	
	5257.80	-15.3	V	3.0	35.5	1.0	-49.8	-13.0	-36.8	
	7010.40	-14.4	V	3.0	35.8	1.0	-49.2	-13.0	-36.2	
	3505.20	-14.8	H	3.0	35.8	1.0	-49.6	-13.0	-36.6	
	5257.80	-14.5	H	3.0	35.5	1.0	-49.0	-13.0	-36.0	
	7010.40	-13.1	H	3.0	35.8	1.0	-47.9	-13.0	-34.9	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237 (LG-H791)								
<b>Date:</b>		7/24/2015								
<b>Test Engineer:</b>		Jude Semana								
<b>Configuration:</b>		EUT + Charger + Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		Rel 99 Band 4 Harmonics								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	<b>Low Ch, 1712.4</b>									
	3424.80	-17.2	V	3.0	35.9	1.0	-52.0	-13.0	-39.0	
Band 4	5137.20	-14.7	V	3.0	35.5	1.0	-49.2	-13.0	-36.2	
	6849.60	-14.6	V	3.0	35.7	1.0	-49.3	-13.0	-36.3	
REL99	3424.80	-10.5	H	3.0	35.9	1.0	-45.3	-13.0	-32.3	
	5137.20	-13.9	H	3.0	35.5	1.0	-48.4	-13.0	-35.4	
	6849.60	-13.7	H	3.0	35.7	1.0	-48.5	-13.0	-35.5	
	<b>Mid Ch, 1732.6</b>									
	3465.20	-13.8	V	3.0	35.8	1.0	-48.6	-13.0	-35.6	
	5197.80	-15.6	V	3.0	35.5	1.0	-50.1	-13.0	-37.1	
	6930.04	-13.9	V	3.0	35.7	1.0	-48.7	-13.0	-35.7	
	3465.20	-14.7	H	3.0	35.8	1.0	-49.5	-13.0	-36.5	
	5197.80	-14.7	H	3.0	35.5	1.0	-49.2	-13.0	-36.2	
	6930.04	-13.3	H	3.0	35.7	1.0	-48.0	-13.0	-35.0	
	<b>High Ch, 1752.6</b>									
	3505.20	-13.8	V	3.0	35.8	1.0	-48.6	-13.0	-35.6	
	5257.80	-14.7	V	3.0	35.5	1.0	-49.2	-13.0	-36.2	
	7010.40	-14.3	V	3.0	35.8	1.0	-49.1	-13.0	-36.1	
	3505.20	-16.8	H	3.0	35.8	1.0	-51.6	-13.0	-38.6	
	5257.80	-14.9	H	3.0	35.5	1.0	-49.4	-13.0	-36.4	
	7010.40	-13.8	H	3.0	35.8	1.0	-48.5	-13.0	-35.5	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		LG							
Project #:		15I21237							
Date:		7/15/2015							
Test Engineer:		D. Mun							
Configuration:		x-pos EUT w/ AC Adapter							
Location:		Chamber A							
Mode:		HSDPA Band 5 Harmonics							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 826.4									
1652.80	-27.0	V	3.0	37.0	1.0	-63.0	-13.0	-50.0	
2479.20	-21.5	V	3.0	36.4	1.0	-56.9	-13.0	-43.9	
3305.60	-21.6	V	3.0	36.1	1.0	-56.7	-13.0	-43.7	
Band 5									
1652.80	-26.8	H	3.0	37.0	1.0	-62.8	-13.0	-49.8	
2479.20	-25.0	H	3.0	36.4	1.0	-60.4	-13.0	-47.4	
3305.60	-20.3	H	3.0	36.1	1.0	-55.4	-13.0	-42.4	
HSDPA									
Mid Ch, 836.6									
1673.20	-25.1	V	3.0	37.0	1.0	-61.1	-13.0	-48.1	
2509.80	-22.3	V	3.0	36.4	1.0	-57.7	-13.0	-44.7	
3346.40	-20.2	V	3.0	36.1	1.0	-55.3	-13.0	-42.3	
1673.20	-26.2	H	3.0	37.0	1.0	-62.2	-13.0	-49.2	
2509.80	-24.4	H	3.0	36.4	1.0	-59.8	-13.0	-46.8	
3346.40	-20.7	H	3.0	36.1	1.0	-55.9	-13.0	-42.9	
High Ch, 846.6									
1693.20	-26.8	V	3.0	37.0	1.0	-62.8	-13.0	-49.8	
2539.80	-22.1	V	3.0	36.4	1.0	-57.5	-13.0	-44.5	
3386.40	-20.5	V	3.0	36.1	1.0	-55.6	-13.0	-42.6	
1693.20	-26.8	H	3.0	37.0	1.0	-62.8	-13.0	-49.8	
2539.80	-23.9	H	3.0	36.4	1.0	-59.3	-13.0	-46.3	
3386.40	-20.8	H	3.0	36.1	1.0	-55.9	-13.0	-42.9	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/15/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		x-pos EUT w/ AC Adapter							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		Rel. 99 Band 5 Harmonics							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band									
REL99									
Band 5									
Low Ch, 826.4									
1652.80	-26.0	V	3.0	37.0	1.0	-62.0	-13.0	-49.0	
2479.20	-20.5	V	3.0	36.4	1.0	-56.0	-13.0	-43.0	
Mid Ch, 836.6									
1673.20	-24.1	V	3.0	37.0	1.0	-60.1	-13.0	-47.1	
2509.80	-21.5	V	3.0	36.4	1.0	-56.9	-13.0	-43.9	
3346.40	-19.1	V	3.0	36.1	1.0	-54.2	-13.0	-41.2	
1673.20	-25.4	H	3.0	37.0	1.0	-61.4	-13.0	-48.4	
2509.80	-23.3	H	3.0	36.4	1.0	-58.7	-13.0	-45.7	
3346.40	-19.5	H	3.0	36.1	1.0	-54.6	-13.0	-41.6	
High Ch, 846.6									
1693.20	-26.0	V	3.0	37.0	1.0	-62.0	-13.0	-49.0	
2539.80	-21.3	V	3.0	36.4	1.0	-56.7	-13.0	-43.7	
3386.40	-19.3	V	3.0	36.1	1.0	-54.4	-13.0	-41.4	
1693.20	-25.3	H	3.0	37.0	1.0	-61.3	-13.0	-48.3	
2539.80	-23.5	H	3.0	36.4	1.0	-58.9	-13.0	-45.9	
3386.40	-20.3	H	3.0	36.1	1.0	-55.4	-13.0	-42.4	

**LTE Band 2**

<b>UL Verification Services, Inc.</b>											
<b>Above 1GHz High Frequency Substitution Measurement</b>											
<b>Company:</b>		LG Electronics									
<b>Project #:</b>		15I21237									
<b>Date:</b>		7/16/2015									
<b>Test Engineer:</b>		D. Mun									
<b>Configuration:</b>		EUT w/ AC Charger + HS									
<b>Location:</b>		Chamber A									
<b>Mode:</b>		LTE_16QAM Band 2 Harmonics, 20MHz Bandwidth									
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
20MHz 16QAM	<b>Low Ch, 1860</b>										
	LTE2	3720.00	-18.4	V	3.0	35.8	1.0	-53.3	-13.0	-40.3	
		5580.00	-16.9	V	3.0	35.5	1.0	-51.4	-13.0	-38.4	
		7440.00	-15.7	V	3.0	35.7	1.0	-50.4	-13.0	-37.4	
		3720.00	-19.4	H	3.0	35.8	1.0	-54.2	-13.0	-41.2	
		5580.00	-16.1	H	3.0	35.5	1.0	-50.6	-13.0	-37.6	
		7440.00	-14.1	H	3.0	35.7	1.0	-48.9	-13.0	-35.9	
	<b>Mid Ch, 1880</b>										
		3760.00	-18.4	V	3.0	35.8	1.0	-53.2	-13.0	-40.2	
		5640.00	-18.0	V	3.0	35.5	1.0	-52.4	-13.0	-39.4	
		7520.00	-15.4	V	3.0	35.7	1.0	-50.1	-13.0	-37.1	
		3760.00	-18.7	H	3.0	35.8	1.0	-53.5	-13.0	-40.5	
		5640.00	-13.1	H	3.0	35.5	1.0	-47.6	-13.0	-34.6	
		7520.00	-14.1	H	3.0	35.7	1.0	-48.9	-13.0	-35.9	
	<b>High Ch, 1900</b>										
		3800.00	-18.3	V	3.0	35.8	1.0	-53.1	-13.0	-40.1	
		5700.00	-16.8	V	3.0	35.5	1.0	-51.3	-13.0	-38.3	
		7600.00	-14.2	V	3.0	35.8	1.0	-49.0	-13.0	-36.0	
	3800.00	-18.4	H	3.0	35.8	1.0	-53.1	-13.0	-40.1		
	5700.00	-16.7	H	3.0	35.5	1.0	-51.2	-13.0	-38.2		
	7600.00	-14.1	H	3.0	35.8	1.0	-48.8	-13.0	-35.8		

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT w/ AC Charger + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 2 Harmonics, 20MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 1860</b>										
LTE2	3720.00	-18.5	V	3.0	35.8	1.0	-53.4	-13.0	-40.4	
	5580.00	-17.2	V	3.0	35.5	1.0	-51.7	-13.0	-38.7	
20MHz	7440.00	-15.6	V	3.0	35.7	1.0	-50.4	-13.0	-37.4	
	3720.00	-18.5	H	3.0	35.8	1.0	-53.3	-13.0	-40.3	
QPSK	5580.00	-16.2	H	3.0	35.5	1.0	-50.7	-13.0	-37.7	
	7440.00	-13.9	H	3.0	35.7	1.0	-48.7	-13.0	-35.7	
<b>Mid Ch, 1880</b>										
	3760.00	-18.6	V	3.0	35.8	1.0	-53.4	-13.0	-40.4	
	5640.00	-17.9	V	3.0	35.5	1.0	-52.4	-13.0	-39.4	
	7520.00	-15.5	V	3.0	35.7	1.0	-50.3	-13.0	-37.3	
	3760.00	-18.6	H	3.0	35.8	1.0	-53.4	-13.0	-40.4	
	5640.00	-12.6	H	3.0	35.5	1.0	-47.1	-13.0	-34.1	
	7520.00	-13.8	H	3.0	35.7	1.0	-48.6	-13.0	-35.6	
<b>High Ch, 1900</b>										
	3800.00	-18.4	V	3.0	35.8	1.0	-53.2	-13.0	-40.2	
	5700.00	-16.9	V	3.0	35.5	1.0	-51.4	-13.0	-38.4	
	7600.00	-14.3	V	3.0	35.8	1.0	-49.1	-13.0	-36.1	
	3800.00	-18.9	H	3.0	35.8	1.0	-53.6	-13.0	-40.6	
	5700.00	-17.3	H	3.0	35.5	1.0	-51.8	-13.0	-38.8	
	7600.00	-13.8	H	3.0	35.8	1.0	-48.6	-13.0	-35.6	

Compliance Certification Services									
Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT w/ AC Charger + HS							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band 2 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1857.5									
Band	3715.00	-18.7	V	3.0	35.8	1.0	-53.5	-13.0	-40.5
	5572.50	-17.3	V	3.0	35.5	1.0	-51.7	-13.0	-38.7
LTE2	7430.00	-16.1	V	3.0	35.7	1.0	-50.8	-13.0	-37.8
	3715.00	-18.3	H	3.0	35.8	1.0	-53.1	-13.0	-40.1
15MHz	5572.50	-16.1	H	3.0	35.5	1.0	-50.6	-13.0	-37.6
	7430.00	-14.3	H	3.0	35.7	1.0	-49.0	-13.0	-36.0
Mid Ch, 1880									
16QAM	3760.00	-18.8	V	3.0	35.8	1.0	-53.6	-13.0	-40.6
	5640.00	-17.9	V	3.0	35.5	1.0	-52.4	-13.0	-39.4
	7520.00	-15.9	V	3.0	35.7	1.0	-50.7	-13.0	-37.7
	3760.00	-18.4	H	3.0	35.8	1.0	-53.2	-13.0	-40.2
	5640.00	-12.5	H	3.0	35.5	1.0	-47.0	-13.0	-34.0
	7520.00	-14.1	H	3.0	35.7	1.0	-48.9	-13.0	-35.9
High Ch, 1902.5									
	3805.00	-18.6	V	3.0	35.8	1.0	-53.4	-13.0	-40.4
	5707.50	-17.0	V	3.0	35.5	1.0	-51.5	-13.0	-38.5
	7610.00	-14.7	V	3.0	35.8	1.0	-49.5	-13.0	-36.5
	3805.00	-18.6	H	3.0	35.8	1.0	-53.4	-13.0	-40.4
	5707.50	-17.2	H	3.0	35.5	1.0	-51.7	-13.0	-38.7
	7610.00	-14.1	H	3.0	35.8	1.0	-48.9	-13.0	-35.9

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT w/ AC Charger + HS							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_QPSK Band 2 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1857.5									
Band	3715.00	-18.6	V	3.0	35.8	1.0	-53.4	-13.0	-40.4
	5572.50	-17.1	V	3.0	35.5	1.0	-51.6	-13.0	-38.6
LTE2	7430.00	-16.0	V	3.0	35.7	1.0	-50.7	-13.0	-37.7
	3715.00	-18.2	H	3.0	35.8	1.0	-53.0	-13.0	-40.0
	5572.50	-16.0	H	3.0	35.5	1.0	-50.5	-13.0	-37.5
15MHz	7430.00	-14.2	H	3.0	35.7	1.0	-48.9	-13.0	-35.9
Mid Ch, 1880									
QPSK	3760.00	-18.7	V	3.0	35.8	1.0	-53.5	-13.0	-40.5
	5640.00	-17.8	V	3.0	35.5	1.0	-52.3	-13.0	-39.3
	7520.00	-15.8	V	3.0	35.7	1.0	-50.6	-13.0	-37.6
	3760.00	-18.3	H	3.0	35.8	1.0	-53.1	-13.0	-40.1
	5640.00	-12.4	H	3.0	35.5	1.0	-46.9	-13.0	-33.9
	7520.00	-14.0	H	3.0	35.7	1.0	-48.8	-13.0	-35.8
High Ch, 1902.5									
	3805.00	-18.5	V	3.0	35.8	1.0	-53.3	-13.0	-40.3
	5707.50	-16.9	V	3.0	35.5	1.0	-51.4	-13.0	-38.4
	7610.00	-14.6	V	3.0	35.8	1.0	-49.4	-13.0	-36.4
	3805.00	-18.5	H	3.0	35.8	1.0	-53.3	-13.0	-40.3
	5707.50	-17.1	H	3.0	35.5	1.0	-51.6	-13.0	-38.6
	7610.00	-14.0	H	3.0	35.8	1.0	-48.8	-13.0	-35.8

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT w/ AC Charger + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_16QAM Band 2 Harmonics, 10MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	<b>Low Ch, 1855</b>									
LTE2	3710.00	-17.2	V	3.0	35.9	1.0	-52.0	-13.0	-39.0	
	5565.00	-18.7	V	3.0	35.5	1.0	-53.1	-13.0	-40.1	
10MHz	7420.00	-15.5	V	3.0	35.7	1.0	-50.2	-13.0	-37.2	
	3710.00	-19.4	H	3.0	35.9	1.0	-54.3	-13.0	-41.3	
16QAM	5565.00	-16.0	H	3.0	35.5	1.0	-50.5	-13.0	-37.5	
	7420.00	-14.3	H	3.0	35.7	1.0	-49.1	-13.0	-36.1	
	<b>Mid Ch, 1880</b>									
	3760.00	-17.8	V	3.0	35.8	1.0	-52.7	-13.0	-39.7	
	5640.00	-17.8	V	3.0	35.5	1.0	-52.3	-13.0	-39.3	
	7520.00	-15.0	V	3.0	35.7	1.0	-49.7	-13.0	-36.7	
	3760.00	-19.4	H	3.0	35.8	1.0	-54.2	-13.0	-41.2	
	5640.00	-15.5	H	3.0	35.5	1.0	-50.0	-13.0	-37.0	
	7520.00	-14.3	H	3.0	35.7	1.0	-49.1	-13.0	-36.1	
	<b>High Ch, 1905</b>									
	3810.00	-17.1	V	3.0	35.8	1.0	-51.8	-13.0	-38.8	
	5715.00	-18.1	V	3.0	35.5	1.0	-52.6	-13.0	-39.6	
	7620.00	-15.5	V	3.0	35.8	1.0	-50.2	-13.0	-37.2	
	3810.00	-17.1	H	3.0	35.8	1.0	-51.9	-13.0	-38.9	
	5715.00	-16.6	H	3.0	35.5	1.0	-51.1	-13.0	-38.1	
	7620.00	-14.6	H	3.0	35.8	1.0	-49.3	-13.0	-36.3	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT w/ AC Charger + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 2 Harmonics, 10MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	<b>Low Ch, 1855</b>									
LTE2	3710.00	-18.5	V	3.0	35.9	1.0	-53.3	-13.0	-40.3	
	5565.00	-17.5	V	3.0	35.5	1.0	-52.0	-13.0	-39.0	
10MHz	7420.00	-15.7	V	3.0	35.7	1.0	-50.4	-13.0	-37.4	
	3710.00	-18.5	H	3.0	35.9	1.0	-53.3	-13.0	-40.3	
QPSK	5565.00	-17.1	H	3.0	35.5	1.0	-51.6	-13.0	-38.6	
	7420.00	-14.0	H	3.0	35.7	1.0	-48.8	-13.0	-35.8	
	<b>Mid Ch, 1880</b>									
	3760.00	-18.6	V	3.0	35.8	1.0	-53.4	-13.0	-40.4	
	5640.00	-17.3	V	3.0	35.5	1.0	-51.8	-13.0	-38.8	
	7520.00	-15.8	V	3.0	35.7	1.0	-50.5	-13.0	-37.5	
	3760.00	-17.8	H	3.0	35.8	1.0	-52.6	-13.0	-39.6	
	5640.00	-16.1	H	3.0	35.5	1.0	-50.6	-13.0	-37.6	
	7520.00	-14.2	H	3.0	35.7	1.0	-48.9	-13.0	-35.9	
	<b>High Ch, 1905</b>									
	3810.00	-18.4	V	3.0	35.8	1.0	-53.2	-13.0	-40.2	
	5715.00	-17.5	V	3.0	35.5	1.0	-52.0	-13.0	-39.0	
	7620.00	-14.8	V	3.0	35.8	1.0	-49.6	-13.0	-36.6	
	3810.00	-17.1	H	3.0	35.8	1.0	-51.9	-13.0	-38.9	
	5715.00	-16.7	H	3.0	35.5	1.0	-51.2	-13.0	-38.2	
	7620.00	-13.7	H	3.0	35.8	1.0	-48.4	-13.0	-35.4	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT w/ AC Charger + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_16QAM Band 2 Harmonics, 5MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 1852.5</b>										
LTE2	3705.00	-19.1	V	3.0	35.9	1.0	-53.9	-13.0	-40.9	
	5557.50	-14.2	V	3.0	35.5	1.0	-48.7	-13.0	-35.7	
5MHz	7410.00	-11.8	V	3.0	35.7	1.0	-46.5	-13.0	-33.5	
	3705.00	-19.4	H	3.0	35.9	1.0	-54.2	-13.0	-41.2	
16QAM	5557.50	-13.5	H	3.0	35.5	1.0	-47.9	-13.0	-34.9	
	7410.00	-11.3	H	3.0	35.7	1.0	-46.0	-13.0	-33.0	
<b>Mid Ch, 1880</b>										
	3760.00	-17.6	V	3.0	35.8	1.0	-52.5	-13.0	-39.5	
	5640.00	-13.5	V	3.0	35.5	1.0	-48.0	-13.0	-35.0	
	7520.00	-12.7	V	3.0	35.7	1.0	-47.4	-13.0	-34.4	
	3760.00	-17.8	H	3.0	35.8	1.0	-52.6	-13.0	-39.6	
	5640.00	-13.9	H	3.0	35.5	1.0	-48.4	-13.0	-35.4	
	7520.00	-11.6	H	3.0	35.7	1.0	-46.3	-13.0	-33.3	
<b>High Ch, 1907.5</b>										
	3815.00	-17.1	V	3.0	35.8	1.0	-51.9	-13.0	-38.9	
	5722.50	-12.5	V	3.0	35.5	1.0	-47.0	-13.0	-34.0	
	7630.00	-12.1	V	3.0	35.8	1.0	-46.8	-13.0	-33.8	
	3815.00	-17.0	H	3.0	35.8	1.0	-51.8	-13.0	-38.8	
	5722.50	-13.2	H	3.0	35.5	1.0	-47.7	-13.0	-34.7	
	7630.00	-11.1	H	3.0	35.8	1.0	-45.9	-13.0	-32.9	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT w/ AC Charger + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 2 Harmonics, 5MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	<b>Low Ch, 1852.5</b>									
	3705.00	-19.0	V	3.0	35.9	1.0	-53.8	-13.0	-40.8	
	5557.50	-14.4	V	3.0	35.5	1.0	-48.9	-13.0	-35.9	
5MHz	7410.00	-11.8	V	3.0	35.7	1.0	-46.5	-13.0	-33.5	
	3705.00	-18.6	H	3.0	35.9	1.0	-53.5	-13.0	-40.5	
QPSK	5557.50	-14.0	H	3.0	35.5	1.0	-48.5	-13.0	-35.5	
	7410.00	-11.3	H	3.0	35.7	1.0	-46.0	-13.0	-33.0	
	<b>Mid Ch, 1880</b>									
	3760.00	-17.7	V	3.0	35.8	1.0	-52.5	-13.0	-39.5	
	5640.00	-13.8	V	3.0	35.5	1.0	-48.3	-13.0	-35.3	
	7520.00	-13.0	V	3.0	35.7	1.0	-47.7	-13.0	-34.7	
	3760.00	-17.6	H	3.0	35.8	1.0	-52.4	-13.0	-39.4	
	5640.00	-13.8	H	3.0	35.5	1.0	-48.3	-13.0	-35.3	
	7520.00	-11.4	H	3.0	35.7	1.0	-46.2	-13.0	-33.2	
	<b>High Ch, 1907.5</b>									
	3815.00	-16.8	V	3.0	35.8	1.0	-51.6	-13.0	-38.6	
	5722.50	-14.4	V	3.0	35.5	1.0	-48.9	-13.0	-35.9	
	7630.00	-12.0	V	3.0	35.8	1.0	-46.7	-13.0	-33.7	
	3815.00	-17.5	H	3.0	35.8	1.0	-52.2	-13.0	-39.2	
	5722.50	-13.8	H	3.0	35.5	1.0	-48.3	-13.0	-35.3	
	7630.00	-10.4	H	3.0	35.8	1.0	-45.2	-13.0	-32.2	

UL Verification Services, Inc.										
Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT w/ AC Charger + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_16QAM Band 2 Harmonics, 3MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1851.5										
LTE2	3703.00	-16.7	V	3.0	35.9	1.0	-51.5	-13.0	-38.5	
	5554.50	-14.0	V	3.0	35.5	1.0	-48.5	-13.0	-35.5	
3MHz	7406.00	-11.9	V	3.0	35.7	1.0	-46.6	-13.0	-33.6	
	3703.00	-16.9	H	3.0	35.9	1.0	-51.8	-13.0	-38.8	
16QAM	5554.50	-13.9	H	3.0	35.5	1.0	-48.3	-13.0	-35.3	
	7406.00	-10.6	H	3.0	35.7	1.0	-45.3	-13.0	-32.3	
Mid Ch, 1880										
	3760.00	-17.0	V	3.0	35.8	1.0	-51.8	-13.0	-38.8	
	5640.00	-14.3	V	3.0	35.5	1.0	-48.8	-13.0	-35.8	
	7520.00	-12.4	V	3.0	35.7	1.0	-47.2	-13.0	-34.2	
	3760.00	-18.2	H	3.0	35.8	1.0	-53.0	-13.0	-40.0	
	5640.00	-13.7	H	3.0	35.5	1.0	-48.2	-13.0	-35.2	
	7520.00	-11.0	H	3.0	35.7	1.0	-45.7	-13.0	-32.7	
High Ch, 1908.5										
	3817.00	-16.4	V	3.0	35.8	1.0	-51.2	-13.0	-38.2	
	5725.50	-14.2	V	3.0	35.5	1.0	-48.7	-13.0	-35.7	
	7634.00	-12.0	V	3.0	35.8	1.0	-46.7	-13.0	-33.7	
	3817.00	-17.5	H	3.0	35.8	1.0	-52.2	-13.0	-39.2	
	5725.50	-13.5	H	3.0	35.5	1.0	-48.0	-13.0	-35.0	
	7634.00	-11.3	H	3.0	35.8	1.0	-46.1	-13.0	-33.1	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT w/ AC Charger + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 2 Harmonics, 3MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 1851.5</b>										
LTE2	3703.00	-18.2	V	3.0	35.9	1.0	-53.0	-13.0	-40.0	
	5554.50	-13.5	V	3.0	35.5	1.0	-48.0	-13.0	-35.0	
3MHz	7406.00	-11.6	V	3.0	35.7	1.0	-46.4	-13.0	-33.4	
	3703.00	-17.3	H	3.0	35.9	1.0	-52.2	-13.0	-39.2	
QPSK	5554.50	-13.5	H	3.0	35.5	1.0	-47.9	-13.0	-34.9	
	7406.00	-11.4	H	3.0	35.7	1.0	-46.2	-13.0	-33.2	
<b>Mid Ch, 1880</b>										
	3760.00	-16.9	V	3.0	35.8	1.0	-51.7	-13.0	-38.7	
	5640.00	-14.9	V	3.0	35.5	1.0	-49.4	-13.0	-36.4	
	7520.00	-12.8	V	3.0	35.7	1.0	-47.5	-13.0	-34.5	
	3760.00	-17.2	H	3.0	35.8	1.0	-52.0	-13.0	-39.0	
	5640.00	-13.8	H	3.0	35.5	1.0	-48.3	-13.0	-35.3	
	7520.00	-12.1	H	3.0	35.7	1.0	-46.8	-13.0	-33.8	
<b>High Ch, 1908.5</b>										
	3817.00	-16.8	V	3.0	35.8	1.0	-51.6	-13.0	-38.6	
	5725.50	-14.0	V	3.0	35.5	1.0	-48.5	-13.0	-35.5	
	7634.00	-11.7	V	3.0	35.8	1.0	-46.5	-13.0	-33.5	
	3817.00	-17.2	H	3.0	35.8	1.0	-52.0	-13.0	-39.0	
	5725.50	-13.2	H	3.0	35.5	1.0	-47.7	-13.0	-34.7	
	7634.00	-10.4	H	3.0	35.8	1.0	-45.2	-13.0	-32.2	

<b>UL Verification Services, Inc.</b>									
<b>Above 1GHz High Frequency Substitution Measurement</b>									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/15/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT w/ AC Charger + HS							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band 2 Harmonics, 1.4MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Band</b>									
<b>Low Ch, 1850.7</b>									
LTE2	3701.40	-18.6	V	3.0	35.9	1.0	-53.4	-13.0	-40.4
	5552.10	-14.2	V	3.0	35.5	1.0	-48.6	-13.0	-35.6
	7402.80	-11.7	V	3.0	35.7	1.0	-46.4	-13.0	-33.4
1.4MHz	3701.40	-17.8	H	3.0	35.9	1.0	-52.6	-13.0	-39.6
	5552.10	-13.3	H	3.0	35.5	1.0	-47.7	-13.0	-34.7
16QAM	7402.80	-10.7	H	3.0	35.7	1.0	-45.5	-13.0	-32.5
<b>Mid Ch, 1880</b>									
	3760.00	-17.8	V	3.0	35.8	1.0	-52.6	-13.0	-39.6
	5640.00	-13.8	V	3.0	35.5	1.0	-48.2	-13.0	-35.2
	7520.00	-12.5	V	3.0	35.7	1.0	-47.2	-13.0	-34.2
	3760.00	-17.4	H	3.0	35.8	1.0	-52.2	-13.0	-39.2
	5640.00	-13.4	H	3.0	35.5	1.0	-47.9	-13.0	-34.9
	7520.00	-11.4	H	3.0	35.7	1.0	-46.2	-13.0	-33.2
<b>High Ch, 1909.3</b>									
	3818.60	-17.4	V	3.0	35.8	1.0	-52.2	-13.0	-39.2
	5727.90	-13.4	V	3.0	35.5	1.0	-47.9	-13.0	-34.9
	7637.20	-11.8	V	3.0	35.8	1.0	-46.5	-13.0	-33.5
	3818.60	-18.0	H	3.0	35.8	1.0	-52.8	-13.0	-39.8
	5727.90	-13.0	H	3.0	35.5	1.0	-47.5	-13.0	-34.5
	7637.20	-12.1	H	3.0	35.8	1.0	-46.9	-13.0	-33.9

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/15/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT w/ AC Charger + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 2 Harmonics, 1.4MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 1850.7</b>										
LTE2	3701.40	-18.5	V	3.0	35.9	1.0	-53.4	-13.0	-40.4	
	5552.10	-13.7	V	3.0	35.5	1.0	-48.2	-13.0	-35.2	
	7402.80	-11.3	V	3.0	35.7	1.0	-46.0	-13.0	-33.0	
1.4MHz	3701.40	-18.7	H	3.0	35.9	1.0	-53.6	-13.0	-40.6	
	5552.10	-13.9	H	3.0	35.5	1.0	-48.3	-13.0	-35.3	
	7402.80	-11.1	H	3.0	35.7	1.0	-45.9	-13.0	-32.9	
QPSK	<b>Mid Ch, 1880</b>									
	3760.00	-16.4	V	3.0	35.8	1.0	-51.2	-13.0	-38.2	
	5640.00	-14.3	V	3.0	35.5	1.0	-48.8	-13.0	-35.8	
	7520.00	-11.6	V	3.0	35.7	1.0	-46.4	-13.0	-33.4	
	3760.00	-17.9	H	3.0	35.8	1.0	-52.7	-13.0	-39.7	
	5640.00	-13.5	H	3.0	35.5	1.0	-48.0	-13.0	-35.0	
	7520.00	-11.7	H	3.0	35.7	1.0	-46.4	-13.0	-33.4	
<b>High Ch, 1909.3</b>										
	3818.60	-17.5	V	3.0	35.8	1.0	-52.2	-13.0	-39.2	
	5727.90	-14.4	V	3.0	35.5	1.0	-48.9	-13.0	-35.9	
	7637.20	-11.7	V	3.0	35.8	1.0	-46.5	-13.0	-33.5	
	3818.60	-16.9	H	3.0	35.8	1.0	-51.7	-13.0	-38.7	
	5727.90	-12.8	H	3.0	35.5	1.0	-47.3	-13.0	-34.3	
	7637.20	-11.5	H	3.0	35.8	1.0	-46.2	-13.0	-33.2	

**LTE Band 4**

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		LG							
Project #:		15I21237							
Date:		7/23/2015							
Test Engineer:		G. Escano							
Configuration:		EUT + AC Adapter + HS							
Location:		Chamber A							
Mode:		LTE_16QAM Band 4 Harmonics, 20MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 1720</b>									
Band	3440.00	-15.8	V	3.0	36.0	1.0	-50.8	-13.0	-37.8
	5160.00	-14.6	V	3.0	35.4	1.0	-49.0	-13.0	-36.0
LTE4	6880.00	-12.5	V	3.0	35.7	1.0	-47.1	-13.0	-34.1
	3440.00	-10.4	H	3.0	36.0	1.0	-45.5	-13.0	-32.5
20MHz	5160.00	-13.7	H	3.0	35.4	1.0	-48.1	-13.0	-35.1
	6880.00	-12.1	H	3.0	35.7	1.0	-46.8	-13.0	-33.8
<b>Mid Ch, 1732.5</b>									
16QAM	3465.00	-18.1	V	3.0	36.0	1.0	-53.1	-13.0	-40.1
	5197.50	-14.1	V	3.0	35.4	1.0	-48.5	-13.0	-35.5
	6930.00	-14.9	V	3.0	35.7	1.0	-49.6	-13.0	-36.6
	3465.00	-6.6	H	3.0	36.0	1.0	-41.6	-13.0	-28.6
	5197.50	-13.7	H	3.0	35.4	1.0	-48.1	-13.0	-35.1
	6930.00	-13.6	H	3.0	35.7	1.0	-48.3	-13.0	-35.3
<b>High Ch, 1745</b>									
	3490.00	-16.6	V	3.0	36.0	1.0	-51.6	-13.0	-38.6
	5235.00	-15.7	V	3.0	35.4	1.0	-50.1	-13.0	-37.1
	6980.00	-13.7	V	3.0	35.7	1.0	-48.4	-13.0	-35.4
	3490.00	-7.8	H	3.0	36.0	1.0	-42.8	-13.0	-29.8
	5235.00	-14.1	H	3.0	35.4	1.0	-48.5	-13.0	-35.5
	6980.00	-12.6	H	3.0	35.7	1.0	-47.3	-13.0	-34.3

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/23/2015								
<b>Test Engineer:</b>		G. Escano								
<b>Configuration:</b>		EUT + AC Adapter + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 4 Harmonics, 20MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1720										
Band	3440.00	-15.0	V	3.0	36.0	1.0	-50.1	-13.0	-37.1	
	5160.00	-14.2	V	3.0	35.4	1.0	-48.6	-13.0	-35.6	
	6880.00	-11.9	V	3.0	35.7	1.0	-46.6	-13.0	-33.6	
LTE4	3440.00	-9.9	H	3.0	36.0	1.0	-45.0	-13.0	-32.0	
	5160.00	-13.3	H	3.0	35.4	1.0	-47.8	-13.0	-34.8	
	6880.00	-11.6	H	3.0	35.7	1.0	-46.3	-13.0	-33.3	
20MHz	Mid Ch, 1732.5									
	3465.00	-17.6	V	3.0	36.0	1.0	-52.6	-13.0	-39.6	
	5197.50	-13.3	V	3.0	35.4	1.0	-47.7	-13.0	-34.7	
QPSK	6930.00	-14.1	V	3.0	35.7	1.0	-48.7	-13.0	-35.7	
	3465.00	-5.4	H	3.0	36.0	1.0	-40.5	-13.0	-27.5	
	5197.50	-12.9	H	3.0	35.4	1.0	-47.3	-13.0	-34.3	
	High Ch, 1745									
	3490.00	-15.8	V	3.0	36.0	1.0	-50.8	-13.0	-37.8	
	5235.00	-15.0	V	3.0	35.4	1.0	-49.4	-13.0	-36.4	
	6980.00	-13.2	V	3.0	35.7	1.0	-47.9	-13.0	-34.9	
	3490.00	-7.3	H	3.0	36.0	1.0	-42.3	-13.0	-29.3	
	5235.00	-13.5	H	3.0	35.4	1.0	-48.0	-13.0	-35.0	
	6980.00	-12.2	H	3.0	35.7	1.0	-46.9	-13.0	-33.9	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/23/2015							
<b>Test Engineer:</b>		G. Escano							
<b>Configuration:</b>		EUT + AC Adapter + HS							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band 4 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band									
LTE4									
15MHz									
16QAM									
Low Ch, 1717.5									
3435.00	-14.3	V	3.0	36.1	1.0	-49.4	-13.0	-36.4	
5152.50	-13.7	V	3.0	35.4	1.0	-48.1	-13.0	-35.1	
6870.00	-12.8	V	3.0	35.7	1.0	-47.5	-13.0	-34.5	
3435.00	-8.7	H	3.0	36.1	1.0	-43.8	-13.0	-30.8	
5152.50	-13.4	H	3.0	35.4	1.0	-47.8	-13.0	-34.8	
6870.00	-11.6	H	3.0	35.7	1.0	-46.2	-13.0	-33.2	
Mid Ch, 1732.5									
3465.00	-17.9	V	3.0	36.0	1.0	-53.0	-13.0	-40.0	
5197.50	-15.3	V	3.0	35.4	1.0	-49.8	-13.0	-36.8	
6930.00	-14.3	V	3.0	35.7	1.0	-48.9	-13.0	-35.9	
3465.00	-6.6	H	3.0	36.0	1.0	-41.7	-13.0	-28.7	
5197.50	-12.8	H	3.0	35.4	1.0	-47.2	-13.0	-34.2	
6930.00	-12.7	H	3.0	35.7	1.0	-47.4	-13.0	-34.4	
High Ch, 1747.5									
3495.00	-16.6	V	3.0	36.0	1.0	-51.6	-13.0	-38.6	
5242.50	-15.7	V	3.0	35.4	1.0	-50.1	-13.0	-37.1	
6990.00	-13.6	V	3.0	35.7	1.0	-48.3	-13.0	-35.3	
3495.00	-7.3	H	3.0	36.0	1.0	-42.3	-13.0	-29.3	
5242.50	-13.7	H	3.0	35.4	1.0	-48.1	-13.0	-35.1	
6990.00	-12.5	H	3.0	35.7	1.0	-47.2	-13.0	-34.2	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement												
Company:		LG										
Project #:		15I21237										
Date:		7/23/2015										
Test Engineer:		G. Escano										
Configuration:		EUT + AC Adapter + HS										
Location:		Chamber A										
Mode:		LTE_QPSK Band 4 Harmonics, 15MHz Bandwidth										
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes		
Band	Low Ch, 1717.5											
		3435.00	-13.5	V	3.0	36.1	1.0	-48.6	-13.0	-35.6		
		5152.50	-13.1	V	3.0	35.4	1.0	-47.5	-13.0	-34.5		
	LTE4		6870.00	-12.5	V	3.0	35.7	1.0	-47.2	-13.0	-34.2	
			3435.00	-7.6	H	3.0	36.1	1.0	-42.7	-13.0	-29.7	
			5152.50	-11.7	H	3.0	35.4	1.0	-46.2	-13.0	-33.2	
	15MHz		6870.00	-11.0	H	3.0	35.7	1.0	-45.7	-13.0	-32.7	
		Mid Ch, 1732.5										
			3465.00	-17.4	V	3.0	36.0	1.0	-52.5	-13.0	-39.5	
	QPSK		5197.50	-14.9	V	3.0	35.4	1.0	-49.3	-13.0	-36.3	
			6930.00	-13.4	V	3.0	35.7	1.0	-48.0	-13.0	-35.0	
			3465.00	-5.5	H	3.0	36.0	1.0	-40.5	-13.0	-27.5	
		5197.50	-13.4	H	3.0	35.4	1.0	-47.8	-13.0	-34.8		
		6930.00	-12.4	H	3.0	35.7	1.0	-47.1	-13.0	-34.1		
High Ch, 1747.5												
	3495.00	-15.2	V	3.0	36.0	1.0	-50.2	-13.0	-37.2			
	5242.50	-15.0	V	3.0	35.4	1.0	-49.4	-13.0	-36.4			
	6990.00	-13.4	V	3.0	35.7	1.0	-48.1	-13.0	-35.1			
	3495.00	-6.0	H	3.0	36.0	1.0	-41.0	-13.0	-28.0			
	5242.50	-12.9	H	3.0	35.4	1.0	-47.3	-13.0	-34.3			
	6990.00	-12.0	H	3.0	35.7	1.0	-46.6	-13.0	-33.6			

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/23/2015							
<b>Test Engineer:</b>		G. Escano							
<b>Configuration:</b>		EUT + AC Adapter + HS							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band 4 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1715									
Band	3430.00	-16.1	V	3.0	36.1	1.0	-51.1	-13.0	-38.1
	5145.00	-15.0	V	3.0	35.4	1.0	-49.4	-13.0	-36.4
LTE4	6860.00	-13.8	V	3.0	35.7	1.0	-48.5	-13.0	-35.5
	3430.00	-19.6	H	3.0	36.1	1.0	-54.7	-13.0	-41.7
	5145.00	-12.9	H	3.0	35.4	1.0	-47.3	-13.0	-34.3
10MHz	6860.00	-12.0	H	3.0	35.7	1.0	-46.6	-13.0	-33.6
Mid Ch, 1732.5									
16QAM	3465.00	-17.3	V	3.0	36.0	1.0	-52.3	-13.0	-39.3
	5197.50	-13.8	V	3.0	35.4	1.0	-48.2	-13.0	-35.2
	6930.00	-13.4	V	3.0	35.7	1.0	-48.0	-13.0	-35.0
	3465.00	-6.3	H	3.0	36.0	1.0	-41.3	-13.0	-28.3
	5197.50	-13.7	H	3.0	35.4	1.0	-48.1	-13.0	-35.1
	6930.00	-12.0	H	3.0	35.7	1.0	-46.7	-13.0	-33.7
High Ch, 1750									
	3500.00	-14.0	V	3.0	36.0	1.0	-49.0	-13.0	-36.0
	5250.00	-15.2	V	3.0	35.4	1.0	-49.6	-13.0	-36.6
	7000.00	-13.5	V	3.0	35.7	1.0	-48.1	-13.0	-35.1
	3500.00	-6.4	H	3.0	36.0	1.0	-41.4	-13.0	-28.4
	5250.00	-14.1	H	3.0	35.4	1.0	-48.6	-13.0	-35.6
	7000.00	-12.6	H	3.0	35.7	1.0	-47.2	-13.0	-34.2

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/23/2015								
<b>Test Engineer:</b>		G. Escano								
<b>Configuration:</b>		EUT + AC Adapter + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 4 Harmonics, 10MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1715										
Band	3430.00	-15.5	V	3.0	36.1	1.0	-50.5	-13.0	-37.5	
	5145.00	-14.2	V	3.0	35.4	1.0	-48.6	-13.0	-35.6	
	6860.00	-13.3	V	3.0	35.7	1.0	-48.0	-13.0	-35.0	
LTE4	3430.00	-9.1	H	3.0	36.1	1.0	-44.1	-13.0	-31.1	
	5145.00	-12.3	H	3.0	35.4	1.0	-46.7	-13.0	-33.7	
	6860.00	-11.5	H	3.0	35.7	1.0	-46.2	-13.0	-33.2	
10MHz	Mid Ch, 1732.5									
	3465.00	-16.6	V	3.0	36.0	1.0	-51.6	-13.0	-38.6	
	5197.50	-13.3	V	3.0	35.4	1.0	-47.7	-13.0	-34.7	
QPSK	6930.00	-12.8	V	3.0	35.7	1.0	-47.5	-13.0	-34.5	
	3465.00	-5.2	H	3.0	36.0	1.0	-40.2	-13.0	-27.2	
	5197.50	-12.8	H	3.0	35.4	1.0	-47.2	-13.0	-34.2	
	High Ch, 1750									
	3500.00	-13.2	V	3.0	36.0	1.0	-48.2	-13.0	-35.2	
	5250.00	-14.7	V	3.0	35.4	1.0	-49.2	-13.0	-36.2	
	7000.00	-13.2	V	3.0	35.7	1.0	-47.8	-13.0	-34.8	
	3500.00	-4.9	H	3.0	36.0	1.0	-40.0	-13.0	-27.0	
	5250.00	-13.5	H	3.0	35.4	1.0	-47.9	-13.0	-34.9	
	7000.00	-12.0	H	3.0	35.7	1.0	-46.6	-13.0	-33.6	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/23/2015								
<b>Test Engineer:</b>		G. Escano								
<b>Configuration:</b>		EUT + AC Adapter + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_16QAM Band 4 Harmonics, 5MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	Low Ch, 1712.5									
	3425.00	-15.0	V	3.0	36.1	1.0	-50.1	-13.0	-37.1	
	5137.50	-14.0	V	3.0	35.4	1.0	-48.5	-13.0	-35.5	
LTE4	6850.00	-13.2	V	3.0	35.7	1.0	-47.9	-13.0	-34.9	
	3425.00	-9.0	H	3.0	36.1	1.0	-44.0	-13.0	-31.0	
	5137.50	-12.8	H	3.0	35.4	1.0	-47.2	-13.0	-34.2	
5MHz	6850.00	-11.6	H	3.0	35.7	1.0	-46.3	-13.0	-33.3	
	Mid Ch, 1732.5									
	3465.00	-16.8	V	3.0	36.0	1.0	-51.9	-13.0	-38.9	
16QAM	5197.50	-14.4	V	3.0	35.4	1.0	-48.8	-13.0	-35.8	
	6930.00	-13.8	V	3.0	35.7	1.0	-48.4	-13.0	-35.4	
	3465.00	-6.5	H	3.0	36.0	1.0	-41.6	-13.0	-28.6	
	5197.50	-14.6	H	3.0	35.4	1.0	-49.0	-13.0	-36.0	
	6930.00	-12.5	H	3.0	35.7	1.0	-47.2	-13.0	-34.2	
	High Ch, 1752.5									
	3505.00	-14.4	V	3.0	36.0	1.0	-49.4	-13.0	-36.4	
	5257.50	-14.4	V	3.0	35.4	1.0	-48.8	-13.0	-35.8	
	7010.00	-13.8	V	3.0	35.7	1.0	-48.5	-13.0	-35.5	
	3505.00	-6.4	H	3.0	36.0	1.0	-41.4	-13.0	-28.4	
	5257.50	-13.2	H	3.0	35.4	1.0	-47.7	-13.0	-34.7	
	7010.00	-12.5	H	3.0	35.7	1.0	-47.1	-13.0	-34.1	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/23/2015								
<b>Test Engineer:</b>		G. Escano								
<b>Configuration:</b>		EUT + AC Adapter + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 4 Harmonics, 5MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1712.5									
Band	3425.00	-14.5	V	3.0	36.1	1.0	-49.6	-13.0	-36.6	
	5137.50	-13.4	V	3.0	35.4	1.0	-47.8	-13.0	-34.8	
	6850.00	-12.7	V	3.0	35.7	1.0	-47.3	-13.0	-34.3	
LTE4	3425.00	-8.3	H	3.0	36.1	1.0	-43.4	-13.0	-30.4	
	5137.50	-12.3	H	3.0	35.4	1.0	-46.8	-13.0	-33.8	
5MHz	6850.00	-11.2	H	3.0	35.7	1.0	-45.9	-13.0	-32.9	
	Mid Ch, 1732.5									
QPSK	3465.00	-16.3	V	3.0	36.0	1.0	-51.3	-13.0	-38.3	
	5197.50	-14.0	V	3.0	35.4	1.0	-48.4	-13.0	-35.4	
	6930.00	-13.6	V	3.0	35.7	1.0	-48.2	-13.0	-35.2	
	3465.00	-4.8	H	3.0	36.0	1.0	-39.8	-13.0	-26.8	
	5197.50	-13.9	H	3.0	35.4	1.0	-48.4	-13.0	-35.4	
	6930.00	-11.9	H	3.0	35.7	1.0	-46.6	-13.0	-33.6	
	High Ch, 1752.5									
	3505.00	-13.8	V	3.0	36.0	1.0	-48.8	-13.0	-35.8	
	5257.50	-14.0	V	3.0	35.4	1.0	-48.4	-13.0	-35.4	
	7010.00	-13.3	V	3.0	35.7	1.0	-48.0	-13.0	-35.0	
	3505.00	-5.3	H	3.0	36.0	1.0	-40.3	-13.0	-27.3	
	5257.50	-12.7	H	3.0	35.4	1.0	-47.1	-13.0	-34.1	
	7010.00	-12.0	H	3.0	35.7	1.0	-46.7	-13.0	-33.7	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement												
<b>Company:</b>		LG										
<b>Project #:</b>		15I21237										
<b>Date:</b>		7/23/2015										
<b>Test Engineer:</b>		G. Escano										
<b>Configuration:</b>		EUT + AC Adapter + HS										
<b>Location:</b>		Chamber A										
<b>Mode:</b>		LTE_16QAM Band 4 Harmonics, 3MHz Bandwidth										
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes		
Band	Low Ch, 1711.5											
		3423.00	-15.6	V	3.0	36.1	1.0	-50.6	-13.0	-37.6		
		5134.50	-14.3	V	3.0	35.4	1.0	-48.8	-13.0	-35.8		
	LTE4	6846.00	-14.7	V	3.0	35.7	1.0	-49.4	-13.0	-36.4		
		3423.00	-8.8	H	3.0	36.1	1.0	-43.8	-13.0	-30.8		
	3MHz	5134.50	-12.7	H	3.0	35.4	1.0	-47.2	-13.0	-34.2		
		6846.00	-12.8	H	3.0	35.7	1.0	-47.4	-13.0	-34.4		
	16QAM	Mid Ch, 1732.5										
			3465.00	-17.0	V	3.0	36.0	1.0	-52.0	-13.0	-39.0	
			5197.50	-14.4	V	3.0	35.4	1.0	-48.8	-13.0	-35.8	
			6930.00	-13.6	V	3.0	35.7	1.0	-48.3	-13.0	-35.3	
			3465.00	-6.1	H	3.0	36.0	1.0	-41.1	-13.0	-28.1	
			5197.50	-13.0	H	3.0	35.4	1.0	-47.4	-13.0	-34.4	
		6930.00	-11.7	H	3.0	35.7	1.0	-46.4	-13.0	-33.4		
		High Ch, 1753.5										
		3507.00	-14.6	V	3.0	36.0	1.0	-49.6	-13.0	-36.6		
		5260.50	-10.8	V	3.0	35.4	1.0	-45.2	-13.0	-32.2		
		7014.00	-13.5	V	3.0	35.7	1.0	-48.2	-13.0	-35.2		
	3507.00	-5.6	H	3.0	36.0	1.0	-40.6	-13.0	-27.6			
	5260.50	-9.5	H	3.0	35.4	1.0	-43.9	-13.0	-30.9			
	7014.00	-11.5	H	3.0	35.7	1.0	-46.2	-13.0	-33.2			

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/23/2015								
<b>Test Engineer:</b>		G. Escano								
<b>Configuration:</b>		EUT + AC Adapter + HS								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 4 Harmonics, 3MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	Low Ch, 1711.5									
	3423.00	-14.8	V	3.0	36.1	1.0	-49.9	-13.0	-36.9	
	5134.50	-13.9	V	3.0	35.4	1.0	-48.3	-13.0	-35.3	
	6846.00	-14.2	V	3.0	35.7	1.0	-48.9	-13.0	-35.9	
	3423.00	-8.4	H	3.0	36.1	1.0	-43.4	-13.0	-30.4	
	5134.50	-12.3	H	3.0	35.4	1.0	-46.8	-13.0	-33.8	
LTE4	6846.00	-11.9	H	3.0	35.7	1.0	-46.6	-13.0	-33.6	
	Mid Ch, 1732.5									
3MHz	3465.00	-16.5	V	3.0	36.0	1.0	-51.5	-13.0	-38.5	
	5197.50	-14.1	V	3.0	35.4	1.0	-48.5	-13.0	-35.5	
	6930.00	-13.1	V	3.0	35.7	1.0	-47.8	-13.0	-34.8	
	3465.00	-5.4	H	3.0	36.0	1.0	-40.4	-13.0	-27.4	
	5197.50	-12.5	H	3.0	35.4	1.0	-47.0	-13.0	-34.0	
	6930.00	-11.9	H	3.0	35.7	1.0	-46.6	-13.0	-33.6	
QPSK	High Ch, 1753.5									
	3507.00	-14.0	V	3.0	36.0	1.0	-49.0	-13.0	-36.0	
	5260.50	-9.8	V	3.0	35.4	1.0	-44.2	-13.0	-31.2	
	7014.00	-12.8	V	3.0	35.7	1.0	-47.5	-13.0	-34.5	
	3507.00	-5.1	H	3.0	36.0	1.0	-40.1	-13.0	-27.1	
	5260.50	-8.6	H	3.0	35.4	1.0	-43.0	-13.0	-30.0	
	7014.00	-11.0	H	3.0	35.7	1.0	-45.7	-13.0	-32.7	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/23/2015							
<b>Test Engineer:</b>		G. Escano							
<b>Configuration:</b>		EUT + AC Adapter + HS							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band 4 Harmonics, 1.4MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band									
LTE4									
1.4MHz									
16QAM									
Low Ch, 1710.7									
3421.40	-13.7	V	3.0	36.1	1.0	-48.8	-13.0	-35.8	
5132.10	-13.0	V	3.0	35.4	1.0	-47.4	-13.0	-34.4	
6842.80	-11.8	V	3.0	35.7	1.0	-46.4	-13.0	-33.4	
3421.40	-8.9	H	3.0	36.1	1.0	-44.0	-13.0	-31.0	
5132.10	-12.1	H	3.0	35.4	1.0	-46.5	-13.0	-33.5	
6842.80	-11.8	H	3.0	35.7	1.0	-46.4	-13.0	-33.4	
Mid Ch, 1732.5									
3465.00	-12.5	V	3.0	36.0	1.0	-47.6	-13.0	-34.6	
5197.50	-13.1	V	3.0	35.4	1.0	-47.5	-13.0	-34.5	
6930.00	-11.7	V	3.0	35.7	1.0	-46.4	-13.0	-33.4	
3465.00	-7.5	H	3.0	36.0	1.0	-42.5	-13.0	-29.5	
5197.50	-12.7	H	3.0	35.4	1.0	-47.1	-13.0	-34.1	
6930.00	-10.9	H	3.0	35.7	1.0	-45.6	-13.0	-32.6	
High Ch, 1754.3									
3508.60	-11.2	V	3.0	36.0	1.0	-46.2	-13.0	-33.2	
5262.90	-11.2	V	3.0	35.4	1.0	-45.6	-13.0	-32.6	
7017.20	-13.2	V	3.0	35.7	1.0	-47.9	-13.0	-34.9	
3508.60	-3.9	H	3.0	36.0	1.0	-38.9	-13.0	-25.9	
5262.90	-11.1	H	3.0	35.4	1.0	-45.5	-13.0	-32.5	
7017.20	-11.3	H	3.0	35.7	1.0	-46.0	-13.0	-33.0	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/23/2015							
<b>Test Engineer:</b>		G. Escano							
<b>Configuration:</b>		EUT + AC Adapter + HS							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_QPSK Band 4 Harmonics, 1.4MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 1710.7</b>									
Band	3421.40	-12.9	V	3.0	36.1	1.0	-47.9	-13.0	-34.9
	5132.10	-13.0	V	3.0	35.4	1.0	-47.4	-13.0	-34.4
LTE4	6842.80	-11.5	V	3.0	35.7	1.0	-46.2	-13.0	-33.2
	3421.40	-8.0	H	3.0	36.1	1.0	-43.1	-13.0	-30.1
	5132.10	-11.6	H	3.0	35.4	1.0	-46.0	-13.0	-33.0
1.4MHz	6842.80	-11.4	H	3.0	35.7	1.0	-46.1	-13.0	-33.1
<b>Mid Ch, 1732.5</b>									
QPSK	3465.00	-12.0	V	3.0	36.0	1.0	-47.0	-13.0	-34.0
	5197.50	-12.9	V	3.0	35.4	1.0	-47.3	-13.0	-34.3
	6930.00	-11.4	V	3.0	35.7	1.0	-46.1	-13.0	-33.1
	3465.00	-6.8	H	3.0	36.0	1.0	-41.8	-13.0	-28.8
	5197.50	-12.3	H	3.0	35.4	1.0	-46.7	-13.0	-33.7
	6930.00	-10.3	H	3.0	35.7	1.0	-44.9	-13.0	-31.9
<b>High Ch, 1754.3</b>									
	3508.60	-10.7	V	3.0	36.0	1.0	-45.7	-13.0	-32.7
	5262.90	-10.7	V	3.0	35.4	1.0	-45.2	-13.0	-32.2
	7017.20	-12.7	V	3.0	35.7	1.0	-47.4	-13.0	-34.4
	3508.60	-1.8	H	3.0	36.0	1.0	-36.8	-13.0	-23.8
	5262.90	-10.6	H	3.0	35.4	1.0	-45.1	-13.0	-32.1
	7017.20	-10.7	H	3.0	35.7	1.0	-45.4	-13.0	-32.4

**LTE Band 5**

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT/ AC Charger/ Headset							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band 5 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 829</b>									
Band	1658.00	-33.8	V	3.0	37.0	1.0	-69.8	-13.0	-56.8
	2487.00	-27.7	V	3.0	36.4	1.0	-63.2	-13.0	-50.2
LTES	3316.00	-24.9	V	3.0	36.2	1.0	-60.0	-13.0	-47.0
	1658.00	-35.1	H	3.0	37.0	1.0	-71.2	-13.0	-58.2
10MHz	2487.00	-29.4	H	3.0	36.4	1.0	-64.9	-13.0	-51.9
	3316.00	-25.3	H	3.0	36.2	1.0	-60.5	-13.0	-47.5
<b>Mid Ch, 836.5</b>									
16QAM	1673.00	-34.2	V	3.0	37.0	1.0	-70.2	-13.0	-57.2
	2509.50	-27.7	V	3.0	36.4	1.0	-63.1	-13.0	-50.1
	3346.00	-24.8	V	3.0	36.1	1.0	-60.0	-13.0	-47.0
	1673.00	-32.7	H	3.0	37.0	1.0	-68.7	-13.0	-55.7
	2509.50	-28.3	H	3.0	36.4	1.0	-63.8	-13.0	-50.8
	3346.00	-25.3	H	3.0	36.1	1.0	-60.4	-13.0	-47.4
<b>High Ch, 844</b>									
	1688.00	-33.5	V	3.0	37.0	1.0	-69.4	-13.0	-56.4
	2532.00	-27.6	V	3.0	36.4	1.0	-63.0	-13.0	-50.0
	3376.00	-25.9	V	3.0	36.1	1.0	-61.0	-13.0	-48.0
	1688.00	-33.1	H	3.0	37.0	1.0	-69.1	-13.0	-56.1
	2532.00	-29.1	H	3.0	36.4	1.0	-64.5	-13.0	-51.5
	3376.00	-25.8	H	3.0	36.1	1.0	-60.9	-13.0	-47.9

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 5 Hamonics, 10MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
10MHz LTE5 QPSK	Low Ch, 829									
	1658.00	-33.8	V	3.0	37.0	1.0	-69.9	-13.0	-56.9	
	2487.00	-28.0	V	3.0	36.4	1.0	-63.4	-13.0	-50.4	
	3316.00	-25.2	V	3.0	36.2	1.0	-60.4	-13.0	-47.4	
	1658.00	-35.0	H	3.0	37.0	1.0	-71.0	-13.0	-58.0	
	2487.00	-29.2	H	3.0	36.4	1.0	-64.7	-13.0	-51.7	
	3316.00	-25.4	H	3.0	36.2	1.0	-60.6	-13.0	-47.6	
	Mid Ch, 836.5									
	1673.00	-34.3	V	3.0	37.0	1.0	-70.3	-13.0	-57.3	
2509.50	-27.9	V	3.0	36.4	1.0	-63.3	-13.0	-50.3		
3346.00	-25.7	V	3.0	36.1	1.0	-60.9	-13.0	-47.9		
1673.00	-33.0	H	3.0	37.0	1.0	-69.0	-13.0	-56.0		
2509.50	-28.1	H	3.0	36.4	1.0	-63.5	-13.0	-50.5		
3346.00	-24.8	H	3.0	36.1	1.0	-60.0	-13.0	-47.0		
High Ch, 844										
1688.00	-33.6	V	3.0	37.0	1.0	-69.6	-13.0	-56.6		
2532.00	-27.5	V	3.0	36.4	1.0	-62.9	-13.0	-49.9		
3376.00	-25.4	V	3.0	36.1	1.0	-60.5	-13.0	-47.5		
1688.00	-33.7	H	3.0	37.0	1.0	-69.7	-13.0	-56.7		
2532.00	-29.4	H	3.0	36.4	1.0	-64.8	-13.0	-51.8		
3376.00	-25.6	H	3.0	36.1	1.0	-60.7	-13.0	-47.7		

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement												
<b>Company:</b>		LG Electronics										
<b>Project #:</b>		15I21237										
<b>Date:</b>		7/16/2015										
<b>Test Engineer:</b>		D. Mun										
<b>Configuration:</b>		EUT/ AC Charger/ Headset										
<b>Location:</b>		Chamber A										
<b>Mode:</b>		LTE_16QAM Band 5 Harmonics, 5MHz Bandwidth										
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes		
Band	Low Ch, 826.5											
		1653.00	-34.3	V	3.0	37.0	1.0	-70.4	-13.0	-57.4		
		2479.50	-27.8	V	3.0	36.4	1.0	-63.2	-13.0	-50.2		
	LTE5	3306.00	-24.8	V	3.0	36.2	1.0	-60.0	-13.0	-47.0		
		1653.00	-33.8	H	3.0	37.0	1.0	-69.8	-13.0	-56.8		
	5MHz	2479.50	-30.0	H	3.0	36.4	1.0	-65.5	-13.0	-52.5		
		3306.00	-25.1	H	3.0	36.2	1.0	-60.3	-13.0	-47.3		
	16QAM	Mid Ch, 836.5										
			1673.00	-34.2	V	3.0	37.0	1.0	-70.2	-13.0	-57.2	
			2509.50	-27.3	V	3.0	36.4	1.0	-62.7	-13.0	-49.7	
			3346.00	-25.0	V	3.0	36.1	1.0	-60.1	-13.0	-47.1	
			1673.00	-34.0	H	3.0	37.0	1.0	-70.0	-13.0	-57.0	
			2509.50	-29.1	H	3.0	36.4	1.0	-64.5	-13.0	-51.5	
			3346.00	-25.5	H	3.0	36.1	1.0	-60.6	-13.0	-47.6	
		High Ch, 846.5										
		1693.00	-34.2	V	3.0	37.0	1.0	-70.1	-13.0	-57.1		
		2539.50	-27.5	V	3.0	36.4	1.0	-62.9	-13.0	-49.9		
		3386.00	-24.6	V	3.0	36.1	1.0	-59.7	-13.0	-46.7		
	1693.00	-33.3	H	3.0	37.0	1.0	-69.2	-13.0	-56.2			
	2539.50	-29.1	H	3.0	36.4	1.0	-64.5	-13.0	-51.5			
	3386.00	-25.0	H	3.0	36.1	1.0	-60.1	-13.0	-47.1			

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement												
<b>Company:</b>		LG Electronics										
<b>Project #:</b>		15I21237										
<b>Date:</b>		7/16/2015										
<b>Test Engineer:</b>		D. Mun										
<b>Configuration:</b>		EUT/ AC Charger/ Headset										
<b>Location:</b>		Chamber A										
<b>Mode:</b>		LTE_QPSK Band 5 Harmonics, 5MHz Bandwidth										
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes		
Band	Low Ch, 826.5											
		1653.00	-34.5	V	3.0	37.0	1.0	-70.6	-13.0	-57.6		
		2479.50	-27.9	V	3.0	36.4	1.0	-63.3	-13.0	-50.3		
	LTE5	3306.00	-24.5	V	3.0	36.2	1.0	-59.7	-13.0	-46.7		
		1653.00	-33.8	H	3.0	37.0	1.0	-69.9	-13.0	-56.9		
	5MHz	2479.50	-29.9	H	3.0	36.4	1.0	-65.3	-13.0	-52.3		
		3306.00	-24.8	H	3.0	36.2	1.0	-60.0	-13.0	-47.0		
	QPSK	Mid Ch, 836.5										
			1673.00	-34.4	V	3.0	37.0	1.0	-70.4	-13.0	-57.4	
			2509.50	-27.4	V	3.0	36.4	1.0	-62.9	-13.0	-49.9	
			3346.00	-25.0	V	3.0	36.1	1.0	-60.1	-13.0	-47.1	
			1673.00	-33.6	H	3.0	37.0	1.0	-69.6	-13.0	-56.6	
		2509.50	-29.3	H	3.0	36.4	1.0	-64.7	-13.0	-51.7		
	3346.00	-25.2	H	3.0	36.1	1.0	-60.3	-13.0	-47.3			
	High Ch, 846.5											
	1693.00	-34.0	V	3.0	37.0	1.0	-69.9	-13.0	-56.9			
	2539.50	-27.4	V	3.0	36.4	1.0	-62.8	-13.0	-49.8			
	3386.00	-24.2	V	3.0	36.1	1.0	-59.3	-13.0	-46.3			
	1693.00	-33.3	H	3.0	37.0	1.0	-69.3	-13.0	-56.3			
	2539.50	-29.0	H	3.0	36.4	1.0	-64.4	-13.0	-51.4			
	3386.00	-24.9	H	3.0	36.1	1.0	-60.0	-13.0	-47.0			

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT/ AC Charger/ Headset							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band 5 Harmonics, 3MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band									
Low Ch, 825.5									
1651.00	-33.9	V	3.0	37.0	1.0	-70.0	-13.0	-57.0	
2476.50	-28.1	V	3.0	36.4	1.0	-63.5	-13.0	-50.5	
LTE5									
3302.00	-25.4	V	3.0	36.2	1.0	-60.5	-13.0	-47.5	
1651.00	-33.6	H	3.0	37.0	1.0	-69.7	-13.0	-56.7	
2476.50	-29.5	H	3.0	36.4	1.0	-65.0	-13.0	-52.0	
3MHz									
3302.00	-25.6	H	3.0	36.2	1.0	-60.8	-13.0	-47.8	
Mid Ch, 836.5									
1673.00	-33.8	V	3.0	37.0	1.0	-69.8	-13.0	-56.8	
16QAM									
2509.50	-27.6	V	3.0	36.4	1.0	-63.0	-13.0	-50.0	
3346.00	-24.3	V	3.0	36.1	1.0	-59.4	-13.0	-46.4	
1673.00	-34.1	H	3.0	37.0	1.0	-70.1	-13.0	-57.1	
2509.50	-29.1	H	3.0	36.4	1.0	-64.5	-13.0	-51.5	
3346.00	-24.5	H	3.0	36.1	1.0	-59.6	-13.0	-46.6	
High Ch, 847.5									
1695.00	-33.0	V	3.0	37.0	1.0	-68.9	-13.0	-55.9	
2542.50	-27.4	V	3.0	36.4	1.0	-62.8	-13.0	-49.8	
3390.00	-25.0	V	3.0	36.1	1.0	-60.1	-13.0	-47.1	
1695.00	-32.1	H	3.0	37.0	1.0	-68.0	-13.0	-55.0	
2542.50	-28.5	H	3.0	36.4	1.0	-63.9	-13.0	-50.9	
3390.00	-24.6	H	3.0	36.1	1.0	-59.7	-13.0	-46.7	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 5 Harmonics, 3MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	Low Ch, 825.5									
	1651.00	-33.5	V	3.0	37.0	1.0	-69.6	-13.0	-56.6	
	2476.50	-27.6	V	3.0	36.4	1.0	-63.0	-13.0	-50.0	
LTE5	3302.00	-24.8	V	3.0	36.2	1.0	-60.0	-13.0	-47.0	
	1651.00	-34.3	H	3.0	37.0	1.0	-70.3	-13.0	-57.3	
	2476.50	-29.6	H	3.0	36.4	1.0	-65.0	-13.0	-52.0	
3MHz	3302.00	-25.4	H	3.0	36.2	1.0	-60.6	-13.0	-47.6	
	Mid Ch, 836.5									
	1673.00	-33.9	V	3.0	37.0	1.0	-69.9	-13.0	-56.9	
QPSK	2509.50	-27.7	V	3.0	36.4	1.0	-63.1	-13.0	-50.1	
	3346.00	-24.4	V	3.0	36.1	1.0	-59.5	-13.0	-46.5	
	1673.00	-33.6	H	3.0	37.0	1.0	-69.6	-13.0	-56.6	
	2509.50	-28.1	H	3.0	36.4	1.0	-63.5	-13.0	-50.5	
	3346.00	-25.5	H	3.0	36.1	1.0	-60.6	-13.0	-47.6	
	High Ch, 847.5									
	1695.00	-33.1	V	3.0	37.0	1.0	-69.0	-13.0	-56.0	
	2542.50	-27.5	V	3.0	36.4	1.0	-62.9	-13.0	-49.9	
	3390.00	-24.4	V	3.0	36.1	1.0	-59.5	-13.0	-46.5	
	1695.00	-32.1	H	3.0	37.0	1.0	-68.0	-13.0	-55.0	
	2542.50	-29.4	H	3.0	36.4	1.0	-64.8	-13.0	-51.8	
	3390.00	-24.4	H	3.0	36.1	1.0	-59.5	-13.0	-46.5	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT/ AC Charger/ Headset							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band 5 Harmonics, 1.4MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 824.7									
1649.40	-33.1	V	3.0	37.1	1.0	-69.2	-13.0	-56.2	
2474.10	-27.5	V	3.0	36.4	1.0	-62.9	-13.0	-49.9	
LTE5									
3298.80	-24.7	V	3.0	36.2	1.0	-59.9	-13.0	-46.9	
1649.40	-32.6	H	3.0	37.1	1.0	-68.6	-13.0	-55.6	
2474.10	-28.6	H	3.0	36.4	1.0	-64.0	-13.0	-51.0	
1.4MHz									
3298.80	-24.8	H	3.0	36.2	1.0	-60.0	-13.0	-47.0	
Mid Ch, 836.5									
1673.00	-33.0	V	3.0	37.0	1.0	-69.0	-13.0	-56.0	
16QAM									
2509.50	-27.0	V	3.0	36.4	1.0	-62.4	-13.0	-49.4	
3346.00	-23.4	V	3.0	36.1	1.0	-58.5	-13.0	-45.5	
1673.00	-33.0	H	3.0	37.0	1.0	-69.0	-13.0	-56.0	
2509.50	-28.2	H	3.0	36.4	1.0	-63.7	-13.0	-50.7	
3346.00	-24.7	H	3.0	36.1	1.0	-59.8	-13.0	-46.8	
High Ch, 848.3									
1696.60	-32.8	V	3.0	37.0	1.0	-68.8	-13.0	-55.8	
2544.90	-26.7	V	3.0	36.4	1.0	-62.1	-13.0	-49.1	
3393.20	-23.4	V	3.0	36.1	1.0	-58.5	-13.0	-45.5	
1696.60	-32.1	H	3.0	37.0	1.0	-68.1	-13.0	-55.1	
2544.90	-28.2	H	3.0	36.4	1.0	-63.6	-13.0	-50.6	
3393.20	-23.4	H	3.0	36.1	1.0	-58.5	-13.0	-45.5	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT/ AC Charger/ Headset							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_QPSK Band 5 Harmonics, 1.4MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 824.7									
Band	1649.40	-33.2	V	3.0	37.1	1.0	-69.3	-13.0	-56.3
	2474.10	-27.8	V	3.0	36.4	1.0	-63.2	-13.0	-50.2
LTE5	3298.80	-25.1	V	3.0	36.2	1.0	-60.2	-13.0	-47.2
	1649.40	-33.3	H	3.0	37.1	1.0	-69.4	-13.0	-56.4
	2474.10	-28.8	H	3.0	36.4	1.0	-64.3	-13.0	-51.3
1.4MHz	3298.80	-24.8	H	3.0	36.2	1.0	-60.0	-13.0	-47.0
Mid Ch, 836.5									
QPSK	1673.00	-33.0	V	3.0	37.0	1.0	-69.0	-13.0	-56.0
	2509.50	-27.8	V	3.0	36.4	1.0	-63.2	-13.0	-50.2
	3346.00	-24.7	V	3.0	36.1	1.0	-59.8	-13.0	-46.8
	1673.00	-33.3	H	3.0	37.0	1.0	-69.3	-13.0	-56.3
	2509.50	-29.2	H	3.0	36.4	1.0	-64.6	-13.0	-51.6
	3346.00	-24.7	H	3.0	36.1	1.0	-59.8	-13.0	-46.8
High Ch, 848.3									
	1696.60	-32.8	V	3.0	37.0	1.0	-68.8	-13.0	-55.8
	2544.90	-27.6	V	3.0	36.4	1.0	-63.0	-13.0	-50.0
	3393.20	-24.4	V	3.0	36.1	1.0	-59.5	-13.0	-46.5
	1696.60	-33.0	H	3.0	37.0	1.0	-69.0	-13.0	-56.0
	2544.90	-29.5	H	3.0	36.4	1.0	-64.9	-13.0	-51.9
	3393.20	-24.9	H	3.0	36.1	1.0	-60.0	-13.0	-47.0

**LTE Band 7**

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/18/2015							
<b>Test Engineer:</b>		A. Escamilla							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber C							
<b>Mode:</b>		LTE_16QAM Band 7 Harmonics, 20MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 2510</b>									
5020.00	-15.1	V	3.0	35.5	1.0	-49.6	-25.0	-24.6	
7530.00	-12.0	V	3.0	35.7	1.0	-46.8	-25.0	-21.8	
10040.00	-11.0	V	3.0	36.0	1.0	-46.0	-25.0	-21.0	
5020.00	-15.3	H	3.0	35.5	1.0	-49.8	-25.0	-24.8	
7530.00	-13.5	H	3.0	35.7	1.0	-48.2	-25.0	-23.2	
10040.00	-9.7	H	3.0	36.0	1.0	-44.7	-25.0	-19.7	
<b>Mid Ch, 2535</b>									
5070.00	-15.5	V	3.0	35.4	1.0	-49.9	-25.0	-24.9	
7605.00	-12.8	V	3.0	35.8	1.0	-47.5	-25.0	-22.5	
10140.00	-10.5	V	3.0	36.0	1.0	-45.4	-25.0	-20.4	
5070.00	-13.9	H	3.0	35.4	1.0	-48.4	-25.0	-23.4	
7605.00	-12.7	H	3.0	35.8	1.0	-47.5	-25.0	-22.5	
10140.00	-9.6	H	3.0	36.0	1.0	-44.6	-25.0	-19.6	
<b>High Ch, 2560</b>									
5120.00	-14.8	V	3.0	35.4	1.0	-49.3	-25.0	-24.3	
7680.00	-13.0	V	3.0	35.8	1.0	-47.8	-25.0	-22.8	
10240.00	-11.2	V	3.0	35.9	1.0	-46.1	-25.0	-21.1	
5120.00	-13.3	H	3.0	35.4	1.0	-47.8	-25.0	-22.8	
7680.00	-10.9	H	3.0	35.8	1.0	-45.7	-25.0	-20.7	
10240.00	-9.8	H	3.0	35.9	1.0	-44.8	-25.0	-19.8	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/18/2015								
<b>Test Engineer:</b>		A. Escamilla								
<b>Configuration:</b>		EUT , AC Adapter, Headset								
<b>Location:</b>		Chamber C								
<b>Mode:</b>		LTE_QPSK Band 7 Harmonics, 20MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	Low Ch, 2510									
	5020.00	-14.3	V	3.0	35.5	1.0	-48.7	-25.0	-23.7	
	7530.00	-12.6	V	3.0	35.7	1.0	-47.4	-25.0	-22.4	
LTE7	10040.00	-10.8	V	3.0	36.0	1.0	-45.8	-25.0	-20.8	
	5020.00	-15.4	H	3.0	35.5	1.0	-49.8	-25.0	-24.8	
	7530.00	-12.4	H	3.0	35.7	1.0	-47.2	-25.0	-22.2	
20MHz	10040.00	-9.5	H	3.0	36.0	1.0	-44.6	-25.0	-19.6	
	Mid Ch, 2535									
	5070.00	-14.1	V	3.0	35.4	1.0	-48.5	-25.0	-23.5	
QPSK	7605.00	-13.4	V	3.0	35.8	1.0	-48.1	-25.0	-23.1	
	10140.00	-10.5	V	3.0	36.0	1.0	-45.5	-25.0	-20.5	
	5070.00	-14.1	H	3.0	35.4	1.0	-48.6	-25.0	-23.6	
	7605.00	-11.2	H	3.0	35.8	1.0	-46.0	-25.0	-21.0	
	10140.00	-9.6	H	3.0	36.0	1.0	-44.5	-25.0	-19.5	
	High Ch, 2560									
	5120.00	-14.6	V	3.0	35.4	1.0	-49.0	-25.0	-24.0	
	7680.00	-11.3	V	3.0	35.8	1.0	-46.1	-25.0	-21.1	
	10240.00	-10.1	V	3.0	35.9	1.0	-45.0	-25.0	-20.0	
	5120.00	-14.7	H	3.0	35.4	1.0	-49.2	-25.0	-24.2	
	7680.00	-12.0	H	3.0	35.8	1.0	-46.8	-25.0	-21.8	
	10240.00	-9.9	H	3.0	35.9	1.0	-44.8	-25.0	-19.8	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/18/2015							
<b>Test Engineer:</b>		A. Escamilla							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber C							
<b>Mode:</b>		LTE_16QAM Band 7 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2507.5									
Band	5015.00	-14.4	V	3.0	35.5	1.0	-48.8	-25.0	-23.8
	7522.50	-13.1	V	3.0	35.7	1.0	-47.9	-25.0	-22.9
LTE7	10030.00	-10.5	V	3.0	36.0	1.0	-45.5	-25.0	-20.5
	5015.00	-13.7	H	3.0	35.5	1.0	-48.1	-25.0	-23.1
	7522.50	-10.7	H	3.0	35.7	1.0	-45.4	-25.0	-20.4
15MHz	10030.00	-8.9	H	3.0	36.0	1.0	-43.9	-25.0	-18.9
Mid Ch, 2535									
16QAM	5070.00	-14.9	V	3.0	35.4	1.0	-49.3	-25.0	-24.3
	7605.00	-13.0	V	3.0	35.8	1.0	-47.7	-25.0	-22.7
	10140.00	-10.3	V	3.0	36.0	1.0	-45.3	-25.0	-20.3
	5070.00	-14.1	H	3.0	35.4	1.0	-48.6	-25.0	-23.6
	7605.00	-11.0	H	3.0	35.8	1.0	-45.8	-25.0	-20.8
	10140.00	-9.6	H	3.0	36.0	1.0	-44.5	-25.0	-19.5
High Ch, 2562.5									
	5125.00	-14.1	V	3.0	35.4	1.0	-48.5	-25.0	-23.5
	7687.50	-12.7	V	3.0	35.8	1.0	-47.4	-25.0	-22.4
	10250.00	-11.3	V	3.0	35.9	1.0	-46.2	-25.0	-21.2
	5125.00	-14.8	H	3.0	35.4	1.0	-49.3	-25.0	-24.3
	7687.50	-10.7	H	3.0	35.8	1.0	-45.4	-25.0	-20.4
	10250.00	-9.8	H	3.0	35.9	1.0	-44.7	-25.0	-19.7

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/18/2015								
<b>Test Engineer:</b>		A. Escamilla								
<b>Configuration:</b>		EUT , AC Adapter, Headset								
<b>Location:</b>		Chamber C								
<b>Mode:</b>		LTE_QPSK Band 7 Harmonics, 15MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	Low Ch, 2507.5									
	5015.00	-14.0	V	3.0	35.5	1.0	-48.4	-25.0	-23.4	
	7522.50	-12.7	V	3.0	35.7	1.0	-47.4	-25.0	-22.4	
LTE7	10030.00									
	5015.00	-14.5	H	3.0	35.5	1.0	-49.0	-25.0	-24.0	
	7522.50	-12.5	H	3.0	35.7	1.0	-47.3	-25.0	-22.3	
15MHz	10030.00									
	5015.00	-14.5	H	3.0	35.5	1.0	-49.0	-25.0	-24.0	
	7522.50	-12.5	H	3.0	35.7	1.0	-47.3	-25.0	-22.3	
QPSK	Mid Ch, 2535									
	5070.00	-14.4	V	3.0	35.4	1.0	-48.8	-25.0	-23.8	
	7605.00	-12.0	V	3.0	35.8	1.0	-46.8	-25.0	-21.8	
	10140.00									
	5070.00	-14.4	H	3.0	35.4	1.0	-48.9	-25.0	-23.9	
	7605.00	-10.4	H	3.0	35.8	1.0	-45.1	-25.0	-20.1	
	10140.00									
	5070.00	-14.4	H	3.0	35.4	1.0	-48.9	-25.0	-23.9	
	7605.00	-10.4	H	3.0	35.8	1.0	-45.1	-25.0	-20.1	
	High Ch, 2562.5									
	5125.00	-14.1	V	3.0	35.4	1.0	-48.6	-25.0	-23.6	
	7687.50	-12.3	V	3.0	35.8	1.0	-47.0	-25.0	-22.0	
	10250.00									
	5125.00	-15.1	H	3.0	35.4	1.0	-49.5	-25.0	-24.5	
	7687.50	-12.3	H	3.0	35.8	1.0	-47.1	-25.0	-22.1	
	10250.00									
	5125.00	-15.1	H	3.0	35.4	1.0	-49.5	-25.0	-24.5	
	7687.50	-12.3	H	3.0	35.8	1.0	-47.1	-25.0	-22.1	
	10250.00									
	5125.00	-15.1	H	3.0	35.4	1.0	-49.5	-25.0	-24.5	
	7687.50	-12.3	H	3.0	35.8	1.0	-47.1	-25.0	-22.1	
	10250.00									
	5125.00	-15.1	H	3.0	35.4	1.0	-49.5	-25.0	-24.5	
	7687.50	-12.3	H	3.0	35.8	1.0	-47.1	-25.0	-22.1	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/18/2015							
<b>Test Engineer:</b>		A. Escamilla							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber C							
<b>Mode:</b>		LTE_16QAM Band 7 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band									
Low Ch, 2505									
5010.00	-15.1	V	3.0	35.5	1.0	-49.6	-25.0	-24.6	
7515.00	-12.0	V	3.0	35.7	1.0	-46.7	-25.0	-21.7	
LTE7									
10020.00	-9.7	V	3.0	36.0	1.0	-44.7	-25.0	-19.7	
5010.00	-15.0	H	3.0	35.5	1.0	-49.5	-25.0	-24.5	
7515.00	-11.5	H	3.0	35.7	1.0	-46.2	-25.0	-21.2	
10MHz									
10020.00	-9.1	H	3.0	36.0	1.0	-44.1	-25.0	-19.1	
16QAM									
Mid Ch, 2535									
5070.00	-15.7	V	3.0	35.4	1.0	-50.2	-25.0	-25.2	
7605.00	-12.3	V	3.0	35.8	1.0	-47.1	-25.0	-22.1	
10140.00	-10.2	V	3.0	36.0	1.0	-45.2	-25.0	-20.2	
5070.00	-16.4	H	3.0	35.4	1.0	-50.9	-25.0	-25.9	
7605.00	-10.7	H	3.0	35.8	1.0	-45.5	-25.0	-20.5	
10140.00	-9.6	H	3.0	36.0	1.0	-44.5	-25.0	-19.5	
High Ch, 2565									
5130.00	-14.8	V	3.0	35.4	1.0	-49.2	-25.0	-24.2	
7695.00	-11.4	V	3.0	35.8	1.0	-46.2	-25.0	-21.2	
10260.00	-10.1	V	3.0	35.9	1.0	-45.0	-25.0	-20.0	
5130.00	-15.5	H	3.0	35.4	1.0	-50.0	-25.0	-25.0	
7695.00	-10.9	H	3.0	35.8	1.0	-45.7	-25.0	-20.7	
10260.00	-9.2	H	3.0	35.9	1.0	-44.1	-25.0	-19.1	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/18/2015								
<b>Test Engineer:</b>		A. Escamilla								
<b>Configuration:</b>		EUT , AC Adapter, Headset								
<b>Location:</b>		Chamber C								
<b>Mode:</b>		LTE_QPSK Band 7 Harmonics, 10MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	Low Ch, 2505									
	5010.00	-14.3	V	3.0	35.5	1.0	-48.8	-25.0	-23.8	
	7515.00	-11.0	V	3.0	35.7	1.0	-45.7	-25.0	-20.7	
LTE7	10020.00	-10.0	V	3.0	36.0	1.0	-45.0	-25.0	-20.0	
	5010.00	-15.3	H	3.0	35.5	1.0	-49.8	-25.0	-24.8	
	7515.00	-10.6	H	3.0	35.7	1.0	-45.3	-25.0	-20.3	
10MHz	10020.00	-9.5	H	3.0	36.0	1.0	-44.5	-25.0	-19.5	
QPSK	Mid Ch, 2535									
	5070.00	-13.8	V	3.0	35.4	1.0	-48.2	-25.0	-23.2	
	7605.00	-10.9	V	3.0	35.8	1.0	-45.6	-25.0	-20.6	
	10140.00	-10.0	V	3.0	36.0	1.0	-44.9	-25.0	-19.9	
	5070.00	-14.4	H	3.0	35.4	1.0	-48.9	-25.0	-23.9	
	7605.00	-11.4	H	3.0	35.8	1.0	-46.1	-25.0	-21.1	
	High Ch, 2565									
	5130.00	-15.2	V	3.0	35.4	1.0	-49.7	-25.0	-24.7	
	7695.00	-10.9	V	3.0	35.8	1.0	-45.7	-25.0	-20.7	
	10260.00	-9.9	V	3.0	35.9	1.0	-44.8	-25.0	-19.8	
	5130.00	-15.6	H	3.0	35.4	1.0	-50.0	-25.0	-25.0	
	7695.00	-10.3	H	3.0	35.8	1.0	-45.1	-25.0	-20.1	
	10260.00	-9.1	H	3.0	35.9	1.0	-44.0	-25.0	-19.0	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/18/2015							
<b>Test Engineer:</b>		A. Escamilla							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber C							
<b>Mode:</b>		LTE_16QAM Band 7 Harmonics, 5MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band									
Low Ch, 2502.5									
5005.00	-16.6	V	3.0	35.5	1.0	-51.1	-25.0	-26.1	
7507.50	-10.9	V	3.0	35.7	1.0	-45.7	-25.0	-20.7	
LTE7									
10010.00	-1.1	V	3.0	36.0	1.0	-36.1	-25.0	-11.1	
5005.00	-16.3	H	3.0	35.5	1.0	-50.8	-25.0	-25.8	
7507.50	-11.4	H	3.0	35.7	1.0	-46.2	-25.0	-21.2	
5MHz									
10010.00	-8.2	H	3.0	36.0	1.0	-43.2	-25.0	-18.2	
16QAM									
Mid Ch, 2535									
5070.00	-17.0	V	3.0	35.4	1.0	-51.4	-25.0	-26.4	
7605.00	-11.7	V	3.0	35.8	1.0	-46.4	-25.0	-21.4	
10140.00	-3.3	V	3.0	36.0	1.0	-38.3	-25.0	-13.3	
5070.00	-9.7	H	3.0	35.4	1.0	-44.2	-25.0	-19.2	
7605.00	-11.1	H	3.0	35.8	1.0	-45.8	-25.0	-20.8	
10140.00	-9.1	H	3.0	36.0	1.0	-44.1	-25.0	-19.1	
High Ch, 2567.5									
5135.00	-16.7	V	3.0	35.4	1.0	-51.1	-25.0	-26.1	
7702.50	-10.0	V	3.0	35.8	1.0	-44.8	-25.0	-19.8	
10270.00	-3.6	V	3.0	35.9	1.0	-38.5	-25.0	-13.5	
5135.00	-15.6	H	3.0	35.4	1.0	-50.0	-25.0	-25.0	
7702.50	-10.3	H	3.0	35.8	1.0	-45.1	-25.0	-20.1	
10270.00	-9.7	H	3.0	35.9	1.0	-44.6	-25.0	-19.6	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/18/2015								
<b>Test Engineer:</b>		A. Escamilla								
<b>Configuration:</b>		EUT , AC Adapter, Headset								
<b>Location:</b>		Chamber C								
<b>Mode:</b>		LTE_QPSK Band 7 Harmonics, 5MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	Low Ch, 2502.5									
	5005.00	-16.0	V	3.0	35.5	1.0	-50.5	-25.0	-25.5	
	7507.50	-10.9	V	3.0	35.7	1.0	-45.7	-25.0	-20.7	
LTE7	10010.00	-0.9	V	3.0	36.0	1.0	-35.9	-25.0	-10.9	
	5005.00	-16.0	H	3.0	35.5	1.0	-50.5	-25.0	-25.5	
	7507.50	-11.1	H	3.0	35.7	1.0	-45.9	-25.0	-20.9	
5MHz	10010.00	-9.1	H	3.0	36.0	1.0	-44.2	-25.0	-19.2	
	Mid Ch, 2535									
	5070.00	-16.4	V	3.0	35.4	1.0	-50.8	-25.0	-25.8	
QPSK	7605.00	-11.2	V	3.0	35.8	1.0	-45.9	-25.0	-20.9	
	10140.00	-4.2	V	3.0	36.0	1.0	-39.2	-25.0	-14.2	
	5070.00	-15.4	H	3.0	35.4	1.0	-49.8	-25.0	-24.8	
	7605.00	-10.8	H	3.0	35.8	1.0	-45.5	-25.0	-20.5	
	10140.00	-8.4	H	3.0	36.0	1.0	-43.4	-25.0	-18.4	
	High Ch, 2567.5									
	5135.00	-16.2	V	3.0	35.4	1.0	-50.6	-25.0	-25.6	
	7702.50	-9.6	V	3.0	35.8	1.0	-44.4	-25.0	-19.4	
	10270.00	-4.0	V	3.0	35.9	1.0	-38.9	-25.0	-13.9	
	5135.00	-16.2	H	3.0	35.4	1.0	-50.6	-25.0	-25.6	
	7702.50	-10.5	H	3.0	35.8	1.0	-45.3	-25.0	-20.3	
	10270.00	-9.4	H	3.0	35.9	1.0	-44.3	-25.0	-19.3	

**LTE Band 17**

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237 (LG-H791)								
<b>Date:</b>		7/24/2015								
<b>Test Engineer:</b>		Jude Semana								
<b>Configuration:</b>		EUT + Charger + Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_16QAM Band 17 Harmonics, 10MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	<b>Low Ch, 709</b>									
LTE17	1418.00	-28.5	V	3.0	37.4	1.0	-64.9	-13.0	-51.9	
	2127.00	-20.6	V	3.0	36.6	1.0	-56.1	-13.0	-43.1	
10MHz	2836.00	-18.5	V	3.0	36.4	1.0	-53.9	-13.0	-40.9	
	1418.00	-27.5	H	3.0	37.4	1.0	-63.8	-13.0	-50.8	
16QAM	2127.00	-21.3	H	3.0	36.6	1.0	-56.9	-13.0	-43.9	
	2836.00	-18.9	H	3.0	36.4	1.0	-54.3	-13.0	-41.3	
	<b>Mid Ch, 710</b>									
	1420.00	-27.8	V	3.0	37.3	1.0	-64.1	-13.0	-51.1	
	2130.00	-20.2	V	3.0	36.6	1.0	-55.8	-13.0	-42.8	
	2840.00	-18.9	V	3.0	36.4	1.0	-54.3	-13.0	-41.3	
	1420.00	-27.9	H	3.0	37.3	1.0	-64.2	-13.0	-51.2	
	2130.00	-21.7	H	3.0	36.6	1.0	-57.2	-13.0	-44.2	
	2840.00	-19.5	H	3.0	36.4	1.0	-54.9	-13.0	-41.9	
	<b>High Ch, 711</b>									
	1422.00	-27.9	V	3.0	37.3	1.0	-64.3	-13.0	-51.3	
	2133.00	-19.9	V	3.0	36.6	1.0	-55.5	-13.0	-42.5	
	2844.00	-19.1	V	3.0	36.4	1.0	-54.5	-13.0	-41.5	
	1422.00	-27.7	H	3.0	37.3	1.0	-64.0	-13.0	-51.0	
	2133.00	-21.4	H	3.0	36.6	1.0	-57.0	-13.0	-44.0	
	2844.00	-18.9	H	3.0	36.4	1.0	-54.3	-13.0	-41.3	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237 (LG-H791)								
<b>Date:</b>		7/24/2015								
<b>Test Engineer:</b>		Jude Semana								
<b>Configuration:</b>		EUT + Charger + Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 17 Harmonics, 10MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	<b>Low Ch, 709</b>									
LTE17	1418.00	-27.1	V	3.0	37.4	1.0	-63.5	-13.0	-50.5	
	2127.00	-21.1	V	3.0	36.6	1.0	-56.6	-13.0	-43.6	
10MHz	2836.00	-19.2	V	3.0	36.4	1.0	-54.5	-13.0	-41.5	
	1418.00	-27.4	H	3.0	37.4	1.0	-63.7	-13.0	-50.7	
QPSK	2127.00	-21.4	H	3.0	36.6	1.0	-57.0	-13.0	-44.0	
	2836.00	-19.9	H	3.0	36.4	1.0	-55.3	-13.0	-42.3	
	<b>Mid Ch, 710</b>									
	1420.00	-27.9	V	3.0	37.3	1.0	-64.3	-13.0	-51.3	
	2130.00	-20.3	V	3.0	36.6	1.0	-55.8	-13.0	-42.8	
	2840.00	-19.2	V	3.0	36.4	1.0	-54.6	-13.0	-41.6	
	1420.00	-27.7	H	3.0	37.3	1.0	-64.1	-13.0	-51.1	
	2130.00	-21.3	H	3.0	36.6	1.0	-56.8	-13.0	-43.8	
	2840.00	-19.6	H	3.0	36.4	1.0	-55.0	-13.0	-42.0	
	<b>High Ch, 711</b>									
	1422.00	-27.8	V	3.0	37.3	1.0	-64.1	-13.0	-51.1	
	2133.00	-20.4	V	3.0	36.6	1.0	-56.0	-13.0	-43.0	
	2844.00	-18.9	V	3.0	36.4	1.0	-54.2	-13.0	-41.2	
	1422.00	-27.8	H	3.0	37.3	1.0	-64.1	-13.0	-51.1	
	2133.00	-20.9	H	3.0	36.6	1.0	-56.5	-13.0	-43.5	
	2844.00	-19.4	H	3.0	36.4	1.0	-54.8	-13.0	-41.8	

<b>UL Verification Services, Inc</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237 (LG-H791)								
<b>Date:</b>		7/24/2015								
<b>Test Engineer:</b>		Jude Semana								
<b>Configuration:</b>		EUT + Charger + Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_16QAM Band 17 Harmonics, 5MHz Bandwidth								
Band	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	<b>Low Ch, 706.5</b>									
	1413.00	-27.6	V	3.0	37.4	1.0	-64.0	-13.0	-51.0	
LTE17	2119.50	-20.7	V	3.0	36.6	1.0	-56.2	-13.0	-43.2	
	2826.00	-18.4	V	3.0	36.4	1.0	-53.8	-13.0	-40.8	
5MHz	1413.00	-28.2	H	3.0	37.4	1.0	-64.6	-13.0	-51.6	
	2119.50	-21.4	H	3.0	36.6	1.0	-56.9	-13.0	-43.9	
16QAM	2826.00	-18.9	H	3.0	36.4	1.0	-54.3	-13.0	-41.3	
	<b>Mid Ch, 710</b>									
	1420.00	-27.8	V	3.0	37.3	1.0	-64.1	-13.0	-51.1	
	2130.00	-20.8	V	3.0	36.6	1.0	-56.3	-13.0	-43.3	
	2840.00	-18.5	V	3.0	36.4	1.0	-53.8	-13.0	-40.8	
	1420.00	-27.7	H	3.0	37.3	1.0	-64.1	-13.0	-51.1	
	2130.00	-20.8	H	3.0	36.6	1.0	-56.4	-13.0	-43.4	
	2840.00	-19.1	H	3.0	36.4	1.0	-54.5	-13.0	-41.5	
	<b>High Ch, 713.5</b>									
	1427.00	-27.4	V	3.0	37.3	1.0	-63.7	-13.0	-50.7	
	2140.50	-18.4	V	3.0	36.6	1.0	-54.0	-13.0	-41.0	
	2854.00	-19.1	V	3.0	36.4	1.0	-54.4	-13.0	-41.4	
	1427.00	-27.8	H	3.0	37.3	1.0	-64.1	-13.0	-51.1	
	2140.50	-21.0	H	3.0	36.6	1.0	-56.6	-13.0	-43.6	
	2854.00	-19.5	H	3.0	36.4	1.0	-54.9	-13.0	-41.9	

<b>UL Verification Services, Inc</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG								
<b>Project #:</b>		15I21237 (LG-H791)								
<b>Date:</b>		7/24/2015								
<b>Test Engineer:</b>		Jude Semana								
<b>Configuration:</b>		EUT + Charger + Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 17 Harmonics, 5MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	<b>Low Ch, 706.5</b>									
	1413.00	-27.8	V	3.0	37.4	1.0	-64.2	-13.0	-51.2	
	2119.50	-20.2	V	3.0	36.6	1.0	-55.8	-13.0	-42.8	
LTE17	2826.00	-18.9	V	3.0	36.4	1.0	-54.2	-13.0	-41.2	
	1413.00	-28.1	H	3.0	37.4	1.0	-64.5	-13.0	-51.5	
	2119.50	-21.8	H	3.0	36.6	1.0	-57.3	-13.0	-44.3	
5MHz	2826.00	-19.4	H	3.0	36.4	1.0	-54.7	-13.0	-41.7	
	<b>Mid Ch, 710</b>									
	1420.00	-28.0	V	3.0	37.3	1.0	-64.4	-13.0	-51.4	
QPSK	2130.00	-20.5	V	3.0	36.6	1.0	-56.0	-13.0	-43.0	
	2840.00	-18.7	V	3.0	36.4	1.0	-54.1	-13.0	-41.1	
	1420.00	-27.6	H	3.0	37.3	1.0	-64.0	-13.0	-51.0	
	2130.00	-21.1	H	3.0	36.6	1.0	-56.6	-13.0	-43.6	
	2840.00	-19.7	H	3.0	36.4	1.0	-55.0	-13.0	-42.0	
	<b>High Ch, 713.5</b>									
1427.00	-27.4	V	3.0	37.3	1.0	-63.7	-13.0	-50.7		
2140.50	-20.4	V	3.0	36.6	1.0	-56.0	-13.0	-43.0		
2854.00	-19.6	V	3.0	36.4	1.0	-55.0	-13.0	-42.0		
1427.00	-26.9	H	3.0	37.3	1.0	-63.2	-13.0	-50.2		
2140.50	-21.2	H	3.0	36.6	1.0	-56.8	-13.0	-43.8		
2854.00	-19.6	H	3.0	36.4	1.0	-55.0	-13.0	-42.0		

**LTE Band 26**

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/24/2015							
<b>Test Engineer:</b>		G. Escano							
<b>Configuration:</b>		EUT + AC Adapter + HS							
<b>Location:</b>		Chamber B							
<b>Mode:</b>		LTE_16QAM Band 26 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Band</b>									
<b>Mid Ch, 831.5</b>									
1663.00	-24.4	V	3.0	37.0	1.0	-60.4	-13.0	-47.4	
2494.50	-22.0	V	3.0	36.4	1.0	-57.4	-13.0	-44.4	
<b>LTE26</b>									
3326.00	-19.7	V	3.0	36.2	1.0	-54.9	-13.0	-41.9	
1663.00	-21.8	H	3.0	37.0	1.0	-57.8	-13.0	-44.8	
<b>15MHz</b>									
2494.50	-21.5	H	3.0	36.4	1.0	-57.0	-13.0	-44.0	
3326.00	-17.1	H	3.0	36.2	1.0	-52.3	-13.0	-39.3	
<b>16QAM</b>									
<b>Mid Ch, 836.5</b>									
1673.00	-23.1	V	3.0	37.0	1.0	-59.1	-13.0	-46.1	
2509.50	-21.8	V	3.0	36.4	1.0	-57.3	-13.0	-44.3	
3346.00	-19.7	V	3.0	36.1	1.0	-54.9	-13.0	-41.9	
1673.00	-13.1	H	3.0	37.0	1.0	-49.1	-13.0	-36.1	
2509.50	-13.4	H	3.0	36.4	1.0	-48.8	-13.0	-35.8	
3346.00	-19.9	H	3.0	36.1	1.0	-55.0	-13.0	-42.0	
<b>High Ch, 841.5</b>									
1683.00	-24.0	V	3.0	37.0	1.0	-60.0	-13.0	-47.0	
2524.50	-21.7	V	3.0	36.4	1.0	-57.1	-13.0	-44.1	
3366.00	-18.6	V	3.0	36.1	1.0	-53.7	-13.0	-40.7	
1683.00	-13.8	H	3.0	37.0	1.0	-49.8	-13.0	-36.8	
2524.50	-12.9	H	3.0	36.4	1.0	-48.3	-13.0	-35.3	
3366.00	-14.5	H	3.0	36.1	1.0	-49.6	-13.0	-36.6	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b> LG <b>Project #:</b> 15I21237 <b>Date:</b> 7/24/2015 <b>Test Engineer:</b> G. Escano <b>Configuration:</b> EUT + AC Adapter + HS <b>Location:</b> Chamber B <b>Mode:</b> LTE_QPSK Band 26 Harmonics, 15MHz Bandwidth									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band									
Mid Ch, 831.5									
1663.00	-24.1	V	3.0	37.0	1.0	-60.1	-13.0	-47.1	
2494.50	-21.6	V	3.0	36.4	1.0	-57.0	-13.0	-44.0	
LTE26									
3326.00	-19.1	V	3.0	36.2	1.0	-54.3	-13.0	-41.3	
1663.00	-20.9	H	3.0	37.0	1.0	-56.9	-13.0	-43.9	
2494.50	-20.8	H	3.0	36.4	1.0	-56.3	-13.0	-43.3	
15MHz									
3326.00	-16.8	H	3.0	36.2	1.0	-52.0	-13.0	-39.0	
Mid Ch, 836.5									
1673.00	-22.2	V	3.0	37.0	1.0	-58.2	-13.0	-45.2	
2509.50	-21.5	V	3.0	36.4	1.0	-56.9	-13.0	-43.9	
3346.00	-19.2	V	3.0	36.1	1.0	-54.4	-13.0	-41.4	
1673.00	-12.6	H	3.0	37.0	1.0	-48.6	-13.0	-35.6	
2509.50	-12.5	H	3.0	36.4	1.0	-47.9	-13.0	-34.9	
3346.00	-19.1	H	3.0	36.1	1.0	-54.3	-13.0	-41.3	
High Ch, 841.5									
1683.00	-23.5	V	3.0	37.0	1.0	-59.5	-13.0	-46.5	
2524.50	-21.0	V	3.0	36.4	1.0	-56.4	-13.0	-43.4	
3366.00	-18.2	V	3.0	36.1	1.0	-53.3	-13.0	-40.3	
1683.00	-13.1	H	3.0	37.0	1.0	-49.1	-13.0	-36.1	
2524.50	-12.4	H	3.0	36.4	1.0	-47.8	-13.0	-34.8	
3366.00	-13.6	H	3.0	36.1	1.0	-48.7	-13.0	-35.7	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT/ AC Charger/ Headset							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band 26 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 819									
1638.00	-33.8	V	3.0	37.0	1.0	-69.8	-13.0	-56.8	
2457.00	-27.7	V	3.0	36.4	1.0	-63.2	-13.0	-50.2	
3276.00	-24.9	V	3.0	36.2	1.0	-60.0	-13.0	-47.0	
16QAM									
1638.00	-35.1	H	3.0	37.0	1.0	-71.2	-13.0	-58.2	
2457.00	-29.4	H	3.0	36.4	1.0	-64.9	-13.0	-51.9	
10MHz	3276.00	-25.3	H	3.0	36.2	1.0	-60.5	-13.0	-47.5
Mid Ch, 831.5									
1663.00	-34.2	V	3.0	37.0	1.0	-70.2	-13.0	-57.2	
2494.50	-27.7	V	3.0	36.4	1.0	-63.1	-13.0	-50.1	
3326.00	-24.8	V	3.0	36.1	1.0	-60.0	-13.0	-47.0	
1663.00	-32.7	H	3.0	37.0	1.0	-68.7	-13.0	-55.7	
2494.50	-28.3	H	3.0	36.4	1.0	-63.8	-13.0	-50.8	
3326.00	-25.3	H	3.0	36.1	1.0	-60.4	-13.0	-47.4	
High Ch, 844									
1688.00	-33.5	V	3.0	37.0	1.0	-69.4	-13.0	-56.4	
2532.00	-27.6	V	3.0	36.4	1.0	-63.0	-13.0	-50.0	
3376.00	-25.9	V	3.0	36.1	1.0	-61.0	-13.0	-48.0	
1688.00	-33.1	H	3.0	37.0	1.0	-69.1	-13.0	-56.1	
2532.00	-29.1	H	3.0	36.4	1.0	-64.5	-13.0	-51.5	
3376.00	-25.8	H	3.0	36.1	1.0	-60.9	-13.0	-47.9	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 26 Harmonics, 10MHz Bandwidth								
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
Low Ch, 819										
Band	1638.00	-33.6	V	3.0	37.0	1.0	-69.7	-13.0	-56.7	-70.6
	2457.00	-27.6	V	3.0	36.4	1.0	-63.0	-13.0	-50.0	-69.5
LTE26	3276.00	-24.8	V	3.0	36.2	1.0	-59.9	-13.0	-46.9	-68.8
	1638.00	-35.0	H	3.0	37.0	1.0	-71.1	-13.0	-58.1	-71.5
	2457.00	-29.3	H	3.0	36.4	1.0	-64.8	-13.0	-51.8	-69.2
10MHz	3276.00	-25.2	H	3.0	36.2	1.0	-60.4	-13.0	-47.4	-68.8
Mid Ch, 831.5										
QPSK	1663.00	-34.1	V	3.0	37.0	1.0	-70.1	-13.0	-57.1	-71.3
	2494.50	-27.6	V	3.0	36.4	1.0	-63.0	-13.0	-50.0	-69.6
	3326.00	-24.7	V	3.0	36.1	1.0	-59.8	-13.0	-46.8	-69.5
	1663.00	-32.6	H	3.0	37.0	1.0	-68.6	-13.0	-55.6	-69.8
	2494.50	-28.2	H	3.0	36.4	1.0	-63.6	-13.0	-50.6	-68.2
	3326.00	-25.1	H	3.0	36.1	1.0	-60.3	-13.0	-47.3	-68.4
High Ch, 844										
	1688.00	-33.4	V	3.0	37.0	1.0	-69.3	-13.0	-56.3	-70.9
	2532.00	-27.5	V	3.0	36.4	1.0	-62.9	-13.0	-49.9	-69.3
	3376.00	-25.8	V	3.0	36.1	1.0	-60.9	-13.0	-47.9	-69.2
	1688.00	-33.0	H	3.0	37.0	1.0	-69.0	-13.0	-56.0	-70.7
	2532.00	-29.0	H	3.0	36.4	1.0	-64.4	-13.0	-51.4	-69.7
	3376.00	-25.7	H	3.0	36.1	1.0	-60.8	-13.0	-47.8	-69.2

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT/ AC Charger/ Headset							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band265 Harmonics, 5MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 816.5									
Band	1633.00	-34.3	V	3.0	37.0	1.0	-70.4	-13.0	-57.4
	2449.50	-27.8	V	3.0	36.4	1.0	-63.2	-13.0	-50.2
LTE26	3266.00	-24.8	V	3.0	36.2	1.0	-60.0	-13.0	-47.0
	1633.00	-33.8	H	3.0	37.0	1.0	-69.8	-13.0	-56.8
	2449.50	-30.0	H	3.0	36.4	1.0	-65.5	-13.0	-52.5
5MHz	3266.00	-25.1	H	3.0	36.2	1.0	-60.3	-13.0	-47.3
Mid Ch, 831.5									
16QAM	1663.00	-34.2	V	3.0	37.0	1.0	-70.2	-13.0	-57.2
	2494.50	-27.3	V	3.0	36.4	1.0	-62.7	-13.0	-49.7
	3326.00	-25.0	V	3.0	36.1	1.0	-60.1	-13.0	-47.1
	1663.00	-34.0	H	3.0	37.0	1.0	-70.0	-13.0	-57.0
	2494.50	-29.1	H	3.0	36.4	1.0	-64.5	-13.0	-51.5
	3326.00	-25.5	H	3.0	36.1	1.0	-60.6	-13.0	-47.6
High Ch, 846.5									
	1693.00	-34.2	V	3.0	37.0	1.0	-70.1	-13.0	-57.1
	2539.50	-27.5	V	3.0	36.4	1.0	-62.9	-13.0	-49.9
	3386.00	-24.6	V	3.0	36.1	1.0	-59.7	-13.0	-46.7
	1693.00	-33.3	H	3.0	37.0	1.0	-69.2	-13.0	-56.2
	2539.50	-29.1	H	3.0	36.4	1.0	-64.5	-13.0	-51.5
	3386.00	-25.0	H	3.0	36.1	1.0	-60.1	-13.0	-47.1

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 26 Harmonics, 5MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 816.5										
Band	1633.00	-34.5	V	3.0	37.0	1.0	-70.6	-13.0	-57.6	
	2449.50	-27.9	V	3.0	36.4	1.0	-63.3	-13.0	-50.3	
	3266.00	-24.5	V	3.0	36.2	1.0	-59.7	-13.0	-46.7	
LTE26	1633.00	-33.8	H	3.0	37.0	1.0	-69.9	-13.0	-56.9	
	2449.50	-29.9	H	3.0	36.4	1.0	-65.3	-13.0	-52.3	
	3266.00	-24.8	H	3.0	36.2	1.0	-60.0	-13.0	-47.0	
5MHz	Mid Ch, 831.5									
	1663.00	-34.4	V	3.0	37.0	1.0	-70.4	-13.0	-57.4	
	2494.50	-27.4	V	3.0	36.4	1.0	-62.9	-13.0	-49.9	
QPSK	3326.00	-25.0	V	3.0	36.1	1.0	-60.1	-13.0	-47.1	
	1663.00	-33.6	H	3.0	37.0	1.0	-69.6	-13.0	-56.6	
	2494.50	-29.3	H	3.0	36.4	1.0	-64.7	-13.0	-51.7	
	3326.00	-25.2	H	3.0	36.1	1.0	-60.3	-13.0	-47.3	
	High Ch, 846.5									
	1693.00	-34.0	V	3.0	37.0	1.0	-69.9	-13.0	-56.9	
	2539.50	-27.4	V	3.0	36.4	1.0	-62.8	-13.0	-49.8	
	3386.00	-24.2	V	3.0	36.1	1.0	-59.3	-13.0	-46.3	
	1693.00	-33.3	H	3.0	37.0	1.0	-69.3	-13.0	-56.3	
	2539.50	-29.0	H	3.0	36.4	1.0	-64.4	-13.0	-51.4	
	3386.00	-24.9	H	3.0	36.1	1.0	-60.0	-13.0	-47.0	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT/ AC Charger/ Headset							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band 26 Harmonics, 3MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 815.5									
1631.00	-33.9	V	3.0	37.0	1.0	-70.0	-13.0	-57.0	
2446.50	-28.1	V	3.0	36.4	1.0	-63.5	-13.0	-50.5	
3262.00	-25.4	V	3.0	36.2	1.0	-60.5	-13.0	-47.5	
LTE26									
1631.00	-33.6	H	3.0	37.0	1.0	-69.7	-13.0	-56.7	
2446.50	-29.5	H	3.0	36.4	1.0	-65.0	-13.0	-52.0	
3MHz									
3262.00	-25.6	H	3.0	36.2	1.0	-60.8	-13.0	-47.8	
Mid Ch, 831.5									
1663.00	-33.8	V	3.0	37.0	1.0	-69.8	-13.0	-56.8	
2494.50	-27.6	V	3.0	36.4	1.0	-63.0	-13.0	-50.0	
3326.00	-24.3	V	3.0	36.1	1.0	-59.4	-13.0	-46.4	
1663.00	-34.1	H	3.0	37.0	1.0	-70.1	-13.0	-57.1	
2494.50	-29.1	H	3.0	36.4	1.0	-64.5	-13.0	-51.5	
3326.00	-24.5	H	3.0	36.1	1.0	-59.6	-13.0	-46.6	
16QAM									
High Ch, 847.5									
1695.00	-33.0	V	3.0	37.0	1.0	-68.9	-13.0	-55.9	
2542.50	-27.4	V	3.0	36.4	1.0	-62.8	-13.0	-49.8	
3390.00	-25.0	V	3.0	36.1	1.0	-60.1	-13.0	-47.1	
1695.00	-32.1	H	3.0	37.0	1.0	-68.0	-13.0	-55.0	
2542.50	-28.5	H	3.0	36.4	1.0	-63.9	-13.0	-50.9	
3390.00	-24.6	H	3.0	36.1	1.0	-59.7	-13.0	-46.7	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I21237								
<b>Date:</b>		7/16/2015								
<b>Test Engineer:</b>		D. Mun								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber A								
<b>Mode:</b>		LTE_QPSK Band 26 Harmonics, 3MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	Low Ch, 815.5									
	1631.00	-33.5	V	3.0	37.0	1.0	-69.6	-13.0	-56.6	
	2446.50	-27.6	V	3.0	36.4	1.0	-63.0	-13.0	-50.0	
	3262.00	-24.8	V	3.0	36.2	1.0	-60.0	-13.0	-47.0	
	1631.00	-34.3	H	3.0	37.0	1.0	-70.3	-13.0	-57.3	
	2446.50	-29.6	H	3.0	36.4	1.0	-65.0	-13.0	-52.0	
LTE26	3262.00	-25.4	H	3.0	36.2	1.0	-60.6	-13.0	-47.6	
	3MHz									
QPSK	Mid Ch, 831.5									
	1663.00	-33.9	V	3.0	37.0	1.0	-69.9	-13.0	-56.9	
	2494.50	-27.7	V	3.0	36.4	1.0	-63.1	-13.0	-50.1	
	3326.00	-24.4	V	3.0	36.1	1.0	-59.5	-13.0	-46.5	
	1663.00	-33.6	H	3.0	37.0	1.0	-69.6	-13.0	-56.6	
	2494.50	-28.1	H	3.0	36.4	1.0	-63.5	-13.0	-50.5	
	High Ch, 847.5									
	1695.00	-33.1	V	3.0	37.0	1.0	-69.0	-13.0	-56.0	
	2542.50	-27.5	V	3.0	36.4	1.0	-62.9	-13.0	-49.9	
	3390.00	-24.4	V	3.0	36.1	1.0	-59.5	-13.0	-46.5	
	1695.00	-32.1	H	3.0	37.0	1.0	-68.0	-13.0	-55.0	
	2542.50	-29.4	H	3.0	36.4	1.0	-64.8	-13.0	-51.8	
	3390.00	-24.4	H	3.0	36.1	1.0	-59.5	-13.0	-46.5	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT/ AC Charger/ Headset							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_16QAM Band265 Harmonics, 1.4MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 814.7									
Band	1629.40	-33.1	V	3.0	37.1	1.0	-69.2	-13.0	-56.2
	2444.10	-27.5	V	3.0	36.4	1.0	-62.9	-13.0	-49.9
LTE26	3258.80	-24.7	V	3.0	36.2	1.0	-59.9	-13.0	-46.9
	1629.40	-32.6	H	3.0	37.1	1.0	-68.6	-13.0	-55.6
	2444.10	-28.6	H	3.0	36.4	1.0	-64.0	-13.0	-51.0
1.4MHz	3258.80	-24.8	H	3.0	36.2	1.0	-60.0	-13.0	-47.0
Mid Ch, 831.5									
16QAM	1663.00	-33.0	V	3.0	37.0	1.0	-69.0	-13.0	-56.0
	2494.50	-27.0	V	3.0	36.4	1.0	-62.4	-13.0	-49.4
	3326.00	-23.4	V	3.0	36.1	1.0	-58.5	-13.0	-45.5
	1663.00	-33.0	H	3.0	37.0	1.0	-69.0	-13.0	-56.0
	2494.50	-28.2	H	3.0	36.4	1.0	-63.7	-13.0	-50.7
	3326.00	-24.7	H	3.0	36.1	1.0	-59.8	-13.0	-46.8
High Ch, 848.3									
	1696.60	-32.8	V	3.0	37.0	1.0	-68.8	-13.0	-55.8
	2544.90	-26.7	V	3.0	36.4	1.0	-62.1	-13.0	-49.1
	3393.20	-23.4	V	3.0	36.1	1.0	-58.5	-13.0	-45.5
	1696.60	-32.1	H	3.0	37.0	1.0	-68.1	-13.0	-55.1
	2544.90	-28.2	H	3.0	36.4	1.0	-63.6	-13.0	-50.6
	3393.20	-23.4	H	3.0	36.1	1.0	-58.5	-13.0	-45.5

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/16/2015							
<b>Test Engineer:</b>		D. Mun							
<b>Configuration:</b>		EUT/ AC Charger/ Headset							
<b>Location:</b>		Chamber A							
<b>Mode:</b>		LTE_QPSK Band 26 Harmonics, 1.4MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 814.7									
Band	1629.40	-33.2	V	3.0	37.1	1.0	-69.3	-13.0	-56.3
	2444.10	-27.8	V	3.0	36.4	1.0	-63.2	-13.0	-50.2
LTE26	3258.80	-25.1	V	3.0	36.2	1.0	-60.2	-13.0	-47.2
	1629.40	-33.3	H	3.0	37.1	1.0	-69.4	-13.0	-56.4
	2444.10	-28.8	H	3.0	36.4	1.0	-64.3	-13.0	-51.3
1.4MHz	3258.80	-24.8	H	3.0	36.2	1.0	-60.0	-13.0	-47.0
Mid Ch, 831.5									
QPSK	1663.00	-33.0	V	3.0	37.0	1.0	-69.0	-13.0	-56.0
	2494.50	-27.8	V	3.0	36.4	1.0	-63.2	-13.0	-50.2
	3326.00	-24.7	V	3.0	36.1	1.0	-59.8	-13.0	-46.8
	1663.00	-33.3	H	3.0	37.0	1.0	-69.3	-13.0	-56.3
	2494.50	-29.2	H	3.0	36.4	1.0	-64.6	-13.0	-51.6
	3326.00	-24.7	H	3.0	36.1	1.0	-59.8	-13.0	-46.8
High Ch, 848.3									
	1696.60	-32.8	V	3.0	37.0	1.0	-68.8	-13.0	-55.8
	2544.90	-27.6	V	3.0	36.4	1.0	-63.0	-13.0	-50.0
	3393.20	-24.4	V	3.0	36.1	1.0	-59.5	-13.0	-46.5
	1696.60	-33.0	H	3.0	37.0	1.0	-69.0	-13.0	-56.0
	2544.90	-29.5	H	3.0	36.4	1.0	-64.9	-13.0	-51.9
	3393.20	-24.9	H	3.0	36.1	1.0	-60.0	-13.0	-47.0

**LTE Band 41**

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/10/2015							
<b>Test Engineer:</b>		R.Alegre							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber B							
<b>Mode:</b>		LTE_16QAM Band 41 Harmonics, 20MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 2506</b>									
5012.00	-16.4	V	3.0	35.5	1.0	-50.8	-25.0	-25.8	
7518.00	-13.1	V	3.0	35.7	1.0	-47.8	-25.0	-22.8	
10024.00	-12.0	V	3.0	36.0	1.0	-47.0	-25.0	-22.0	
5012.00	-15.3	H	3.0	35.5	1.0	-49.7	-25.0	-24.7	
7518.00	-13.3	H	3.0	35.7	1.0	-48.0	-25.0	-23.0	
10024.00	-10.5	H	3.0	36.0	1.0	-45.5	-25.0	-20.5	
<b>Mid Ch, 2593</b>									
5186.00	-15.7	V	3.0	35.4	1.0	-50.1	-25.0	-25.1	
7779.00	-13.0	V	3.0	35.8	1.0	-47.8	-25.0	-22.8	
10372.00	-11.0	V	3.0	35.8	1.0	-45.9	-25.0	-20.9	
5186.00	-14.5	H	3.0	35.4	1.0	-48.9	-25.0	-23.9	
7779.00	-11.4	H	3.0	35.8	1.0	-46.1	-25.0	-21.1	
10372.00	-10.2	H	3.0	35.8	1.0	-45.0	-25.0	-20.0	
<b>High Ch, 2680</b>									
5360.00	-17.0	V	3.0	35.4	1.0	-51.4	-25.0	-26.4	
8040.00	-13.0	V	3.0	35.8	1.0	-47.8	-25.0	-22.8	
10720.00	-9.9	V	3.0	35.7	1.0	-44.6	-25.0	-19.6	
5360.00	-16.3	H	3.0	35.4	1.0	-50.7	-25.0	-25.7	
8040.00	-11.6	H	3.0	35.8	1.0	-46.4	-25.0	-21.4	
10720.00	-10.5	H	3.0	35.7	1.0	-45.2	-25.0	-20.2	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/10/2015							
<b>Test Engineer:</b>		R.Alegre							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber B							
<b>Mode:</b>		LTE_QPSK Band 41 Harmonics, 20MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2506									
Band	5012.00	-16.1	V	3.0	35.5	1.0	-50.6	-25.0	-25.6
	7518.00	-13.0	V	3.0	35.7	1.0	-47.7	-25.0	-22.7
LTE41	10024.00	-11.9	V	3.0	36.0	1.0	-46.9	-25.0	-21.9
	5012.00	-15.5	H	3.0	35.5	1.0	-49.9	-25.0	-24.9
	7518.00	-13.0	H	3.0	35.7	1.0	-47.7	-25.0	-22.7
20MHz	10024.00	-10.6	H	3.0	36.0	1.0	-45.6	-25.0	-20.6
Mid Ch, 2593									
QPSK	5186.00	-15.2	V	3.0	35.4	1.0	-49.7	-25.0	-24.7
	7779.00	-12.8	V	3.0	35.8	1.0	-47.5	-25.0	-22.5
	10372.00	-10.9	V	3.0	35.8	1.0	-45.7	-25.0	-20.7
	5186.00	-14.4	H	3.0	35.4	1.0	-48.9	-25.0	-23.9
	7779.00	-11.0	H	3.0	35.8	1.0	-45.8	-25.0	-20.8
	10372.00	-10.3	H	3.0	35.8	1.0	-45.1	-25.0	-20.1
High Ch, 2680									
	5360.00	-16.6	V	3.0	35.4	1.0	-51.0	-25.0	-26.0
	8040.00	-12.9	V	3.0	35.8	1.0	-47.7	-25.0	-22.7
	10720.00	-9.7	V	3.0	35.7	1.0	-44.4	-25.0	-19.4
	5360.00	-15.8	H	3.0	35.4	1.0	-50.3	-25.0	-25.3
	8040.00	-11.7	H	3.0	35.8	1.0	-46.5	-25.0	-21.5
	10720.00	-10.2	H	3.0	35.7	1.0	-44.9	-25.0	-19.9

<b>UL Verification Services, Inc.</b> <b>Above 1GHz High Frequency Substitution Measurement</b>									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/10/2015							
<b>Test Engineer:</b>		R.Alegre							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber B							
<b>Mode:</b>		LTE_16QAM Band 41 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 2503.5</b>									
5007.00	-15.5	V	3.0	35.5	1.0	-49.9	-25.0	-24.9	
7510.50	-14.1	V	3.0	35.7	1.0	-48.8	-25.0	-23.8	
10014.00	-11.6	V	3.0	36.0	1.0	-46.6	-25.0	-21.6	
5007.00	-15.9	H	3.0	35.5	1.0	-50.4	-25.0	-25.4	
7510.50	-13.3	H	3.0	35.7	1.0	-48.0	-25.0	-23.0	
10014.00	-10.1	H	3.0	36.0	1.0	-45.1	-25.0	-20.1	
<b>Mid Ch, 2593</b>									
5186.00	-15.7	V	3.0	35.4	1.0	-50.1	-25.0	-25.1	
7779.00	-12.8	V	3.0	35.8	1.0	-47.6	-25.0	-22.6	
10372.00	-11.1	V	3.0	35.8	1.0	-45.9	-25.0	-20.9	
5186.00	-14.8	H	3.0	35.4	1.0	-49.2	-25.0	-24.2	
7779.00	-12.0	H	3.0	35.8	1.0	-46.8	-25.0	-21.8	
10372.00	-10.7	H	3.0	35.8	1.0	-45.5	-25.0	-20.5	
<b>High Ch, 2682.5</b>									
5365.00	-17.1	V	3.0	35.4	1.0	-51.5	-25.0	-26.5	
8047.50	-12.9	V	3.0	35.8	1.0	-47.7	-25.0	-22.7	
10730.00	-9.9	V	3.0	35.7	1.0	-44.6	-25.0	-19.6	
5365.00	-16.1	H	3.0	35.4	1.0	-50.5	-25.0	-25.5	
8047.50	-11.7	H	3.0	35.8	1.0	-46.5	-25.0	-21.5	
10730.00	-10.4	H	3.0	35.7	1.0	-45.1	-25.0	-20.1	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b> <b>Project #:</b> 15I21237 <b>Date:</b> 7/10/2015 <b>Test Engineer:</b> R.Alegre <b>Configuration:</b> EUT , AC Adapter, Headset <b>Location:</b> Chamber B <b>Mode:</b> LTE_QPSK Band 41 Harmonics, 15MHz Bandwidth										
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2503.5									
Band	5007.00	-15.6	V	3.0	35.5	1.0	-50.1	-25.0	-25.1	
	7510.50	-12.9	V	3.0	35.7	1.0	-47.7	-25.0	-22.7	
	10014.00	-11.8	V	3.0	36.0	1.0	-46.8	-25.0	-21.8	
LTE41	5007.00	-15.2	H	3.0	35.5	1.0	-49.6	-25.0	-24.6	
	7510.50	-12.9	H	3.0	35.7	1.0	-47.6	-25.0	-22.6	
	10014.00	-10.5	H	3.0	36.0	1.0	-45.6	-25.0	-20.6	
15MHz	Mid Ch, 2593									
	5186.00	-15.2	V	3.0	35.4	1.0	-49.7	-25.0	-24.7	
	7779.00	-12.7	V	3.0	35.8	1.0	-47.4	-25.0	-22.4	
QPSK	10372.00	-10.8	V	3.0	35.8	1.0	-45.6	-25.0	-20.6	
	5186.00	-13.9	H	3.0	35.4	1.0	-48.3	-25.0	-23.3	
	7779.00	-10.9	H	3.0	35.8	1.0	-45.7	-25.0	-20.7	
	High Ch, 2682.5									
	10372.00	-10.3	H	3.0	35.8	1.0	-45.1	-25.0	-20.1	
	5365.00	-17.0	V	3.0	35.4	1.0	-51.4	-25.0	-26.4	
	8047.50	-12.7	V	3.0	35.8	1.0	-47.5	-25.0	-22.5	
	10730.00	-10.3	V	3.0	35.7	1.0	-45.0	-25.0	-20.0	
	5365.00	-15.9	H	3.0	35.4	1.0	-50.3	-25.0	-25.3	
	8047.50	-11.3	H	3.0	35.8	1.0	-46.2	-25.0	-21.2	
	10730.00	-11.1	H	3.0	35.7	1.0	-45.8	-25.0	-20.8	

<b>UL Verification Services, Inc.</b> <b>Above 1GHz High Frequency Substitution Measurement</b>									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/10/2015							
<b>Test Engineer:</b>		R.Alegre							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber B							
<b>Mode:</b>		LTE_16QAM Band 41 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, 2501</b>									
Band	5002.00	-15.6	V	3.0	35.5	1.0	-50.0	-25.0	-25.0
	7503.00	-13.8	V	3.0	35.7	1.0	-48.6	-25.0	-23.6
LTE41	10004.00	-11.5	V	3.0	36.0	1.0	-46.5	-25.0	-21.5
	5002.00	-15.8	H	3.0	35.5	1.0	-50.3	-25.0	-25.3
	7503.00	-13.1	H	3.0	35.7	1.0	-47.9	-25.0	-22.9
10MHz	10004.00	-10.2	H	3.0	36.0	1.0	-45.2	-25.0	-20.2
<b>Mid Ch, 2593</b>									
16QAM	5186.00	-15.7	V	3.0	35.4	1.0	-50.1	-25.0	-25.1
	7779.00	-12.5	V	3.0	35.8	1.0	-47.3	-25.0	-22.3
	10372.00	-10.6	V	3.0	35.8	1.0	-45.4	-25.0	-20.4
	5186.00	-14.8	H	3.0	35.4	1.0	-49.2	-25.0	-24.2
	7779.00	-11.9	H	3.0	35.8	1.0	-46.7	-25.0	-21.7
	10372.00	-10.6	H	3.0	35.8	1.0	-45.5	-25.0	-20.5
<b>High Ch, 2685</b>									
	5370.00	-17.0	V	3.0	35.4	1.0	-51.5	-25.0	-26.5
	8055.00	-13.0	V	3.0	35.8	1.0	-47.8	-25.0	-22.8
	10740.00	-10.0	V	3.0	35.7	1.0	-44.6	-25.0	-19.6
	5370.00	-16.0	H	3.0	35.4	1.0	-50.4	-25.0	-25.4
	8055.00	-11.8	H	3.0	35.8	1.0	-46.6	-25.0	-21.6
	10740.00	-10.4	H	3.0	35.7	1.0	-45.1	-25.0	-20.1

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/10/2015							
<b>Test Engineer:</b>		R.Alegre							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber B							
<b>Mode:</b>		LTE_QPSK Band 41 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2501									
Band	5002.00	-15.6	V	3.0	35.5	1.0	-50.0	-25.0	-25.0
	7503.00	-12.9	V	3.0	35.7	1.0	-47.6	-25.0	-22.6
LTE41	10004.00	-11.8	V	3.0	36.0	1.0	-46.8	-25.0	-21.8
	5002.00	-15.2	H	3.0	35.5	1.0	-49.7	-25.0	-24.7
	7503.00	-12.7	H	3.0	35.7	1.0	-47.5	-25.0	-22.5
10MHz	10004.00	-10.6	H	3.0	36.0	1.0	-45.6	-25.0	-20.6
Mid Ch, 2593									
QPSK	5186.00	-15.2	V	3.0	35.4	1.0	-49.6	-25.0	-24.6
	7779.00	-12.6	V	3.0	35.8	1.0	-47.4	-25.0	-22.4
	10372.00	-10.6	V	3.0	35.8	1.0	-45.5	-25.0	-20.5
	5186.00	-14.0	H	3.0	35.4	1.0	-48.4	-25.0	-23.4
	7779.00	-11.0	H	3.0	35.8	1.0	-45.7	-25.0	-20.7
	10372.00	-10.2	H	3.0	35.8	1.0	-45.1	-25.0	-20.1
High Ch, 2685									
	5370.00	-16.8	V	3.0	35.4	1.0	-51.2	-25.0	-26.2
	8055.00	-12.7	V	3.0	35.8	1.0	-47.5	-25.0	-22.5
	10740.00	-9.9	V	3.0	35.7	1.0	-44.6	-25.0	-19.6
	5370.00	-15.7	H	3.0	35.4	1.0	-50.2	-25.0	-25.2
	8055.00	-11.3	H	3.0	35.8	1.0	-46.1	-25.0	-21.1
	10740.00	-10.9	H	3.0	35.7	1.0	-45.6	-25.0	-20.6

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I21237							
<b>Date:</b>		7/10/2015							
<b>Test Engineer:</b>		R.Alegre							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber B							
<b>Mode:</b>		LTE_16QAM Band 41 Harmonics, 5MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band									
LTE41									
5MHz									
16QAM									
Low Ch, 2498.5									
4997.00	-15.6	V	3.0	35.5	1.0	-50.0	-25.0	-25.0	
7495.50	-13.8	V	3.0	35.7	1.0	-48.5	-25.0	-23.5	
9994.00	-11.6	V	3.0	36.0	1.0	-46.6	-25.0	-21.6	
4997.00	-15.7	H	3.0	35.5	1.0	-50.2	-25.0	-25.2	
7495.50	-13.1	H	3.0	35.7	1.0	-47.8	-25.0	-22.8	
9994.00	-10.2	H	3.0	36.0	1.0	-45.2	-25.0	-20.2	
Mid Ch, 2593									
5186.00	-15.6	V	3.0	35.4	1.0	-50.0	-25.0	-25.0	
7779.00	-12.7	V	3.0	35.8	1.0	-47.4	-25.0	-22.4	
10372.00	-10.7	V	3.0	35.8	1.0	-45.6	-25.0	-20.6	
5186.00	-14.7	H	3.0	35.4	1.0	-49.1	-25.0	-24.1	
7779.00	-11.6	H	3.0	35.8	1.0	-46.3	-25.0	-21.3	
10372.00	-10.5	H	3.0	35.8	1.0	-45.4	-25.0	-20.4	
High Ch, 2687.5									
5375.00	-16.9	V	3.0	35.4	1.0	-51.4	-25.0	-26.4	
8062.50	-13.0	V	3.0	35.8	1.0	-47.8	-25.0	-22.8	
10750.00	-10.2	V	3.0	35.7	1.0	-44.8	-25.0	-19.8	
5375.00	-16.1	H	3.0	35.4	1.0	-50.5	-25.0	-25.5	
8062.50	-11.7	H	3.0	35.8	1.0	-46.5	-25.0	-21.5	
10750.00	-10.5	H	3.0	35.7	1.0	-45.2	-25.0	-20.2	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement												
<b>Company:</b>		LG Electronics										
<b>Project #:</b>		15I21237										
<b>Date:</b>		7/10/2015										
<b>Test Engineer:</b>		R.Alegre										
<b>Configuration:</b>		EUT , AC Adapter, Headset										
<b>Location:</b>		Chamber B										
<b>Mode:</b>		LTE_QPSK Band 41 Harmonics, 5MHz Bandwidth										
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes		
Band	Low Ch, 2498.5											
		4997.00	-15.5	V	3.0	35.5	1.0	-50.0	-25.0	-25.0		
		7495.50	-12.8	V	3.0	35.7	1.0	-47.6	-25.0	-22.6		
	LTE41	9994.00	-11.8	V	3.0	36.0	1.0	-46.9	-25.0	-21.9		
		4997.00	-15.2	H	3.0	35.5	1.0	-49.7	-25.0	-24.7		
	5MHz	7495.50	-12.8	H	3.0	35.7	1.0	-47.5	-25.0	-22.5		
		9994.00	-10.7	H	3.0	36.0	1.0	-45.7	-25.0	-20.7		
	QPSK	Mid Ch, 2593										
			5186.00	-15.2	V	3.0	35.4	1.0	-49.6	-25.0	-24.6	
			7779.00	-12.5	V	3.0	35.8	1.0	-47.3	-25.0	-22.3	
			10372.00	-10.5	V	3.0	35.8	1.0	-45.4	-25.0	-20.4	
			5186.00	-13.9	H	3.0	35.4	1.0	-48.4	-25.0	-23.4	
		7779.00	-11.0	H	3.0	35.8	1.0	-45.7	-25.0	-20.7		
	10372.00	-10.2	H	3.0	35.8	1.0	-45.0	-25.0	-20.0			
	High Ch, 2687.5											
	5375.00	-16.7	V	3.0	35.4	1.0	-51.1	-25.0	-26.1			
	8062.50	-12.6	V	3.0	35.8	1.0	-47.4	-25.0	-22.4			
	10750.00	-9.9	V	3.0	35.7	1.0	-44.6	-25.0	-19.6			
	5375.00	-15.5	H	3.0	35.4	1.0	-49.9	-25.0	-24.9			
	8062.50	-11.5	H	3.0	35.8	1.0	-46.3	-25.0	-21.3			
	10750.00	-10.0	H	3.0	35.7	1.0	-44.7	-25.0	-19.7			