

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/12/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<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
	<b>Low Ch, 825.5</b>									
Band	1651.00	-2.3	V	3.0	37.0	1.0	-38.4	-13.0	-25.4	
	2476.50	-16.0	V	3.0	36.4	1.0	-51.4	-13.0	-38.4	
LTE5	3302.00	-20.6	V	3.0	36.2	1.0	-55.8	-13.0	-42.8	
	1651.00	-8.0	H	3.0	37.0	1.0	-44.1	-13.0	-31.1	
	2476.50	-19.3	H	3.0	36.4	1.0	-54.7	-13.0	-41.7	
3MHz	3302.00	-21.1	H	3.0	36.2	1.0	-56.3	-13.0	-43.3	
	<b>Mid Ch, 836.5</b>									
16QAM	1673.00	1.9	V	3.0	37.0	1.0	-34.1	-13.0	-21.1	
	2509.50	-17.0	V	3.0	36.4	1.0	-52.4	-13.0	-39.4	
	3346.00	-20.7	V	3.0	36.1	1.0	-55.8	-13.0	-42.8	
	1673.00	-9.0	H	3.0	37.0	1.0	-45.0	-13.0	-32.0	
	2509.50	-16.1	H	3.0	36.4	1.0	-51.5	-13.0	-38.5	
	3346.00	-20.0	H	3.0	36.1	1.0	-55.1	-13.0	-42.1	
	<b>High Ch, 847.5</b>									
	1695.00	3.4	V	3.0	37.0	1.0	-32.6	-13.0	-19.6	
	2542.50	-14.2	V	3.0	36.4	1.0	-49.7	-13.0	-36.7	
	3390.00	-19.5	V	3.0	36.1	1.0	-54.6	-13.0	-41.6	
	1695.00	-7.5	H	3.0	37.0	1.0	-43.5	-13.0	-30.5	
	2542.50	-16.1	H	3.0	36.4	1.0	-51.6	-13.0	-38.6	
	3390.00	-22.7	H	3.0	36.1	1.0	-57.8	-13.0	-44.8	

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<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<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	<b>Low Ch, 825.5</b>									
	1651.00	-0.7	V	3.0	37.0	1.0	-36.8	-13.0	-23.8	
	2476.50	-17.0	V	3.0	36.4	1.0	-52.4	-13.0	-39.4	
LTE5	3302.00	-20.4	V	3.0	36.2	1.0	-55.6	-13.0	-42.6	
	1651.00	-12.3	H	3.0	37.0	1.0	-48.3	-13.0	-35.3	
3MHz	2476.50	-20.5	H	3.0	36.4	1.0	-55.9	-13.0	-42.9	
	3302.00	-20.2	H	3.0	36.2	1.0	-55.4	-13.0	-42.4	
QPSK	<b>Mid Ch, 836.5</b>									
	1673.00	3.6	V	3.0	37.0	1.0	-32.4	-13.0	-19.4	
	2509.50	-16.6	V	3.0	36.4	1.0	-52.0	-13.0	-39.0	
	3346.00	-18.9	V	3.0	36.1	1.0	-54.0	-13.0	-41.0	
	1673.00	-4.8	H	3.0	37.0	1.0	-40.8	-13.0	-27.8	
	2509.50	-16.8	H	3.0	36.4	1.0	-52.2	-13.0	-39.2	
	3346.00	-18.8	H	3.0	36.1	1.0	-53.9	-13.0	-40.9	
<b>High Ch, 847.5</b>										
	1695.00	3.2	V	3.0	37.0	1.0	-32.8	-13.0	-19.8	
	2542.50	-16.0	V	3.0	36.4	1.0	-51.5	-13.0	-38.5	
	3390.00	-20.5	V	3.0	36.1	1.0	-55.6	-13.0	-42.6	
	1695.00	-4.6	H	3.0	37.0	1.0	-40.5	-13.0	-27.5	
	2542.50	-14.9	H	3.0	36.4	1.0	-50.3	-13.0	-37.3	
	3390.00	-20.7	H	3.0	36.1	1.0	-55.8	-13.0	-42.8	

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<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<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
	<b>Low Ch, 824.7</b>									
Band	1649.40	0.0	V	3.0	37.1	1.0	-36.0	-13.0	-23.0	
	2474.10	-10.8	V	3.0	36.4	1.0	-46.3	-13.0	-33.3	
LTE5	3298.80	-19.7	V	3.0	36.2	1.0	-54.9	-13.0	-41.9	
	1649.40	-7.2	H	3.0	37.1	1.0	-43.3	-13.0	-30.3	
1.4MHz	2474.10	-11.2	H	3.0	36.4	1.0	-46.7	-13.0	-33.7	
	3298.80	-21.0	H	3.0	36.2	1.0	-56.2	-13.0	-43.2	
	<b>Mid Ch, 836.5</b>									
16QAM	1673.00	2.8	V	3.0	37.0	1.0	-33.2	-13.0	-20.2	
	2509.50	-11.5	V	3.0	36.4	1.0	-46.9	-13.0	-33.9	
	3346.00	-20.8	V	3.0	36.1	1.0	-55.9	-13.0	-42.9	
	1673.00	-8.0	H	3.0	37.0	1.0	-44.0	-13.0	-31.0	
	2509.50	-11.4	H	3.0	36.4	1.0	-46.8	-13.0	-33.8	
	3346.00	-20.9	H	3.0	36.1	1.0	-56.0	-13.0	-43.0	
	<b>High Ch, 848.3</b>									
	1696.60	4.2	V	3.0	37.0	1.0	-31.8	-13.0	-18.8	
	2544.90	-9.3	V	3.0	36.4	1.0	-44.7	-13.0	-31.7	
	3393.20	-21.1	V	3.0	36.1	1.0	-56.1	-13.0	-43.1	
	1696.60	-2.2	H	3.0	37.0	1.0	-38.1	-13.0	-25.1	
	2544.90	-6.9	H	3.0	36.4	1.0	-42.3	-13.0	-29.3	
	3393.20	-19.8	H	3.0	36.1	1.0	-54.9	-13.0	-41.9	

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<b>Test Engineer:</b>		R.Z										
<b>Configuration:</b>		EUT/ AC Charger/ Headset										
<b>Location:</b>		Chamber G										
<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		
Band	Low Ch, 824.7											
		1649.40	1.8	V	3.0	37.1	1.0	-34.3	-13.0	-21.3		
		2474.10	-11.1	V	3.0	36.4	1.0	-46.6	-13.0	-33.6		
	LTE5		3298.80	-19.2	V	3.0	36.2	1.0	-54.4	-13.0	-41.4	
			1649.40	-9.3	H	3.0	37.1	1.0	-45.4	-13.0	-32.4	
	1.4MHz		2474.10	-15.0	H	3.0	36.4	1.0	-50.5	-13.0	-37.5	
		3298.80	-20.2	H	3.0	36.2	1.0	-55.4	-13.0	-42.4		
QPSK	Mid Ch, 836.5											
		1673.00	3.7	V	3.0	37.0	1.0	-32.3	-13.0	-19.3		
		2509.50	-9.3	V	3.0	36.4	1.0	-44.7	-13.0	-31.7		
		3346.00	-20.4	V	3.0	36.1	1.0	-55.5	-13.0	-42.5		
		1673.00	-8.7	H	3.0	37.0	1.0	-44.7	-13.0	-31.7		
		2509.50	-9.9	H	3.0	36.4	1.0	-45.3	-13.0	-32.3		
		3346.00	-21.6	H	3.0	36.1	1.0	-56.7	-13.0	-43.7		
		High Ch, 848.3										
	1696.60	5.2	V	3.0	37.0	1.0	-30.8	-13.0	-17.8			
	2544.90	-7.3	V	3.0	36.4	1.0	-42.7	-13.0	-29.7			
	3393.20	-20.6	V	3.0	36.1	1.0	-55.6	-13.0	-42.6			
	1696.60	-2.9	H	3.0	37.0	1.0	-38.8	-13.0	-25.8			
	2544.90	-11.4	H	3.0	36.4	1.0	-46.8	-13.0	-33.8			
	3393.20	-20.3	H	3.0	36.1	1.0	-55.4	-13.0	-42.4			

**LTE Band 4**

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/10/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter and Headset								
<b>Location:</b>		Chamber G								
<b>Mode:</b>		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
Band	Low Ch, 1720									
	3440.00	-12.7	V	3.0	36.0	1.0	-47.8	-13.0	-34.8	
	5160.00	-3.0	V	3.0	35.4	1.0	-37.5	-13.0	-24.5	
LTE4	6880.00 -12.7 V 3.0 35.7 1.0 -47.4 -13.0 -34.4									
	3440.00	-8.4	H	3.0	36.0	1.0	-43.4	-13.0	-30.4	
20MHz	5160.00 -0.5 H 3.0 35.4 1.0 -34.9 -13.0 -21.9									
	6880.00	-12.1	H	3.0	35.7	1.0	-46.8	-13.0	-33.8	
16QAM	Mid Ch, 1732.5									
	3465.00	-11.7	V	3.0	36.0	1.0	-46.8	-13.0	-33.8	
	5197.50	0.1	V	3.0	35.4	1.0	-34.3	-13.0	-21.3	
	6930.00	-13.4	V	3.0	35.7	1.0	-48.0	-13.0	-35.0	
	3465.00	-6.9	H	3.0	36.0	1.0	-41.9	-13.0	-28.9	
	5197.50	2.4	H	3.0	35.4	1.0	-32.0	-13.0	-19.0	
	6930.00	-11.5	H	3.0	35.7	1.0	-46.2	-13.0	-33.2	
	High Ch, 1745									
	3490.00	-9.6	V	3.0	36.0	1.0	-44.6	-13.0	-31.6	
	5235.00	-0.3	V	3.0	35.4	1.0	-34.7	-13.0	-21.7	
6980.00	-13.4	V	3.0	35.7	1.0	-48.1	-13.0	-35.1		
3490.00	-4.1	H	3.0	36.0	1.0	-39.1	-13.0	-26.1		
5235.00	1.5	H	3.0	35.4	1.0	-33.0	-13.0	-20.0		
6980.00	-11.6	H	3.0	35.7	1.0	-46.3	-13.0	-33.3		

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<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter and Headset								
<b>Location:</b>		Chamber G								
<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
	<b>Low Ch, 1720</b>									
Band	3440.00	-12.9	V	3.0	36.0	1.0	-48.0	-13.0	-35.0	
	5160.00	-3.0	V	3.0	35.4	1.0	-37.4	-13.0	-24.4	
LTE4	6880.00	-12.8	V	3.0	35.7	1.0	-47.5	-13.0	-34.5	
	3440.00	-8.3	H	3.0	36.0	1.0	-43.3	-13.0	-30.3	
20MHz	5160.00	-1.3	H	3.0	35.4	1.0	-35.7	-13.0	-22.7	
	6880.00	-12.3	H	3.0	35.7	1.0	-47.0	-13.0	-34.0	
	<b>Mid Ch, 1732.5</b>									
QPSK	3465.00	-11.6	V	3.0	36.0	1.0	-46.7	-13.0	-33.7	
	5197.50	-0.2	V	3.0	35.4	1.0	-34.6	-13.0	-21.6	
	6930.00	-13.3	V	3.0	35.7	1.0	-47.9	-13.0	-34.9	
	3465.00	-7.1	H	3.0	36.0	1.0	-42.1	-13.0	-29.1	
	5197.50	2.6	H	3.0	35.4	1.0	-31.9	-13.0	-18.9	
	6930.00	-11.7	H	3.0	35.7	1.0	-46.4	-13.0	-33.4	
	<b>High Ch, 1745</b>									
	3490.00	-9.4	V	3.0	36.0	1.0	-44.4	-13.0	-31.4	
	5235.00	-0.4	V	3.0	35.4	1.0	-34.8	-13.0	-21.8	
	6980.00	-13.0	V	3.0	35.7	1.0	-47.7	-13.0	-34.7	
	3490.00	-4.3	H	3.0	36.0	1.0	-39.3	-13.0	-26.3	
	5235.00	1.7	H	3.0	35.4	1.0	-32.8	-13.0	-19.8	
	6980.00	-11.5	H	3.0	35.7	1.0	-46.2	-13.0	-33.2	

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<b>Test Engineer:</b>		R.Z									
<b>Configuration:</b>		EUT , AC Adapter and Headset									
<b>Location:</b>		Chamber G									
<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	<b>Low Ch, 1717.5</b>										
		3435.00	-13.0	V	3.0	36.1	1.0	-48.1	-13.0	-35.1	
		5152.50	0.1	V	3.0	35.4	1.0	-34.4	-13.0	-21.4	
		6870.00	-11.8	V	3.0	35.7	1.0	-46.5	-13.0	-33.5	
		3435.00	-9.0	H	3.0	36.1	1.0	-44.0	-13.0	-31.0	
		5152.50	0.8	H	3.0	35.4	1.0	-33.6	-13.0	-20.6	
		6870.00	-9.8	H	3.0	35.7	1.0	-44.5	-13.0	-31.5	
		<b>Mid Ch, 1732.5</b>									
		3465.00	-11.0	V	3.0	36.0	1.0	-46.1	-13.0	-33.1	
		5197.50	-1.0	V	3.0	35.4	1.0	-35.4	-13.0	-22.4	
	6930.00	-12.9	V	3.0	35.7	1.0	-47.5	-13.0	-34.5		
	3465.00	-6.7	H	3.0	36.0	1.0	-41.7	-13.0	-28.7		
	5197.50	2.3	H	3.0	35.4	1.0	-32.1	-13.0	-19.1		
	6930.00	-11.9	H	3.0	35.7	1.0	-46.6	-13.0	-33.6		
	<b>High Ch, 1747.5</b>										
	3495.00	-9.5	V	3.0	36.0	1.0	-44.5	-13.0	-31.5		
	5242.50	-2.2	V	3.0	35.4	1.0	-36.6	-13.0	-23.6		
	6990.00	-14.2	V	3.0	35.7	1.0	-48.9	-13.0	-35.9		
	3495.00	-5.4	H	3.0	36.0	1.0	-40.4	-13.0	-27.4		
	5242.50	2.9	H	3.0	35.4	1.0	-31.6	-13.0	-18.6		
	6990.00	-12.0	H	3.0	35.7	1.0	-46.7	-13.0	-33.7		

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<b>Location:</b>		Chamber G								
<b>Mode:</b>		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
	<b>Low Ch, 1717.5</b>									
Band	3435.00	-12.7	V	3.0	36.1	1.0	-47.8	-13.0	-34.8	
	5152.50	-1.7	V	3.0	35.4	1.0	-36.2	-13.0	-23.2	
LTE4	6870.00	-11.4	V	3.0	35.7	1.0	-46.1	-13.0	-33.1	
	3435.00	-8.8	H	3.0	36.1	1.0	-43.8	-13.0	-30.8	
15MHz	5152.50	-0.3	H	3.0	35.4	1.0	-34.7	-13.0	-21.7	
	6870.00	-9.7	H	3.0	35.7	1.0	-44.4	-13.0	-31.4	
	<b>Mid Ch, 1732.5</b>									
QPSK	3465.00	-10.5	V	3.0	36.0	1.0	-45.5	-13.0	-32.5	
	5197.50	-0.6	V	3.0	35.4	1.0	-35.0	-13.0	-22.0	
	6930.00	-12.8	V	3.0	35.7	1.0	-47.4	-13.0	-34.4	
	3465.00	-6.2	H	3.0	36.0	1.0	-41.2	-13.0	-28.2	
	5197.50	2.1	H	3.0	35.4	1.0	-32.3	-13.0	-19.3	
	6930.00	-10.7	H	3.0	35.7	1.0	-45.4	-13.0	-32.4	
	<b>High Ch, 1747.5</b>									
	3495.00	-9.3	V	3.0	36.0	1.0	-44.3	-13.0	-31.3	
	5242.50	-1.9	V	3.0	35.4	1.0	-36.3	-13.0	-23.3	
	6990.00	-13.8	V	3.0	35.7	1.0	-48.5	-13.0	-35.5	
	3495.00	-5.7	H	3.0	36.0	1.0	-40.7	-13.0	-27.7	
	5242.50	1.6	H	3.0	35.4	1.0	-32.9	-13.0	-19.9	
	6990.00	-11.6	H	3.0	35.7	1.0	-46.3	-13.0	-33.3	



<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/10/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter and Headset								
<b>Location:</b>		Chamber G								
<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
	<b>Low Ch, 1715</b>									
Band	3430.00	-10.0	V	3.0	36.1	1.0	-45.1	-13.0	-32.1	
	5145.00	-1.4	V	3.0	35.4	1.0	-35.9	-13.0	-22.9	
LTE4	6860.00	-11.6	V	3.0	35.7	1.0	-46.2	-13.0	-33.2	
	3430.00	-10.6	H	3.0	36.1	1.0	-45.7	-13.0	-32.7	
10MHz	5145.00	-13.7	H	3.0	35.4	1.0	-48.2	-13.0	-35.2	
	6860.00	-13.2	H	3.0	35.7	1.0	-47.9	-13.0	-34.9	
	<b>Mid Ch, 1732.5</b>									
16QAM	3465.00	-11.6	V	3.0	36.0	1.0	-46.7	-13.0	-33.7	
	5197.50	-13.2	V	3.0	35.4	1.0	-47.6	-13.0	-34.6	
	6930.00	-16.3	V	3.0	35.7	1.0	-50.9	-13.0	-37.9	
	3465.00	-13.1	H	3.0	36.0	1.0	-48.1	-13.0	-35.1	
	5197.50	-12.6	H	3.0	35.4	1.0	-47.0	-13.0	-34.0	
	6930.00	-14.4	H	3.0	35.7	1.0	-49.1	-13.0	-36.1	
	<b>High Ch, 1750</b>									
	3500.00	-9.9	V	3.0	36.0	1.0	-44.9	-13.0	-31.9	
	5250.00	-2.7	V	3.0	35.4	1.0	-37.1	-13.0	-24.1	
	7000.00	-11.0	V	3.0	35.7	1.0	-45.7	-13.0	-32.7	
	3500.00	-7.4	H	3.0	36.0	1.0	-42.4	-13.0	-29.4	
	5250.00	2.3	H	3.0	35.4	1.0	-32.1	-13.0	-19.1	
	7000.00	-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										
<b>Company:</b>		LG								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/10/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter and Headset								
<b>Location:</b>		Chamber G								
<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
Band	<b>Low Ch, 1715</b>									
	3430.00	-9.6	V	3.0	36.1	1.0	-44.7	-13.0	-31.7	
LTE4	5145.00	-0.5	V	3.0	35.4	1.0	-35.0	-13.0	-22.0	
	6860.00	-10.9	V	3.0	35.7	1.0	-45.5	-13.0	-32.5	
10MHz	3430.00	-10.2	H	3.0	36.1	1.0	-45.3	-13.0	-32.3	
	5145.00	-11.7	H	3.0	35.4	1.0	-46.2	-13.0	-33.2	
QPSK	6860.00	-12.7	H	3.0	35.7	1.0	-47.4	-13.0	-34.4	
	<b>Mid Ch, 1732.5</b>									
	3465.00	-10.4	V	3.0	36.0	1.0	-45.5	-13.0	-32.5	
	5197.50	-12.4	V	3.0	35.4	1.0	-46.8	-13.0	-33.8	
	6930.00	-16.1	V	3.0	35.7	1.0	-50.7	-13.0	-37.7	
	3465.00	-13.9	H	3.0	36.0	1.0	-48.9	-13.0	-35.9	
	5197.50	-11.8	H	3.0	35.4	1.0	-46.2	-13.0	-33.2	
	6930.00	-14.1	H	3.0	35.7	1.0	-48.8	-13.0	-35.8	
	<b>High Ch, 1750</b>									
	3500.00	-10.0	V	3.0	36.0	1.0	-45.0	-13.0	-32.0	
	5250.00	-2.6	V	3.0	35.4	1.0	-37.1	-13.0	-24.1	
	7000.00	-11.6	V	3.0	35.7	1.0	-46.3	-13.0	-33.3	
	3500.00	-9.3	H	3.0	36.0	1.0	-44.3	-13.0	-31.3	
	5250.00	2.9	H	3.0	35.4	1.0	-31.5	-13.0	-18.5	
	7000.00	-12.1	H	3.0	35.7	1.0	-46.8	-13.0	-33.8	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/10/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter and Headset								
<b>Location:</b>		Chamber G								
<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
<b>Low Ch, 1712.5</b>										
Band	3425.00	-12.9	V	3.0	36.1	1.0	-48.0	-13.0	-35.0	
	5137.50	-2.2	V	3.0	35.4	1.0	-36.6	-13.0	-23.6	
LTE4	6850.00	-17.9	V	3.0	35.7	1.0	-52.6	-13.0	-39.6	
	3425.00	-8.3	H	3.0	36.1	1.0	-43.4	-13.0	-30.4	
	5137.50	-0.2	H	3.0	35.4	1.0	-34.6	-13.0	-21.6	
5MHz	6850.00	-9.8	H	3.0	35.7	1.0	-44.4	-13.0	-31.4	
<b>Mid Ch, 1732.5</b>										
16QAM	3465.00	-11.2	V	3.0	36.0	1.0	-46.3	-13.0	-33.3	
	5197.50	0.1	V	3.0	35.4	1.0	-34.3	-13.0	-21.3	
	6930.00	-11.1	V	3.0	35.7	1.0	-45.7	-13.0	-32.7	
	3465.00	-9.4	H	3.0	36.0	1.0	-44.4	-13.0	-31.4	
	5197.50	0.9	H	3.0	35.4	1.0	-33.5	-13.0	-20.5	
	6930.00	-8.9	H	3.0	35.7	1.0	-43.6	-13.0	-30.6	
<b>High Ch, 1752.5</b>										
	3505.00	-12.7	V	3.0	36.0	1.0	-47.7	-13.0	-34.7	
	5257.50	1.0	V	3.0	35.4	1.0	-33.5	-13.0	-20.5	
	7010.00	-13.1	V	3.0	35.7	1.0	-47.8	-13.0	-34.8	
	3505.00	-11.4	H	3.0	36.0	1.0	-46.4	-13.0	-33.4	
	5257.50	1.5	H	3.0	35.4	1.0	-32.9	-13.0	-19.9	
	7010.00	-11.2	H	3.0	35.7	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								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/10/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter and Headset								
<b>Location:</b>		Chamber G								
<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
	<b>Low Ch, 1712.5</b>									
Band	3425.00	-12.8	V	3.0	36.1	1.0	-47.9	-13.0	-34.9	
	5137.50	-0.6	V	3.0	35.4	1.0	-35.0	-13.0	-22.0	
LTE4	6850.00	-13.2	V	3.0	35.7	1.0	-47.8	-13.0	-34.8	
	3425.00	-8.1	H	3.0	36.1	1.0	-43.2	-13.0	-30.2	
	5137.50	0.0	H	3.0	35.4	1.0	-34.4	-13.0	-21.4	
5MHz	6850.00	-9.0	H	3.0	35.7	1.0	-43.6	-13.0	-30.6	
	<b>Mid Ch, 1732.5</b>									
QPSK	3465.00	-10.7	V	3.0	36.0	1.0	-45.8	-13.0	-32.8	
	5197.50	0.2	V	3.0	35.4	1.0	-34.2	-13.0	-21.2	
	6930.00	-11.6	V	3.0	35.7	1.0	-46.2	-13.0	-33.2	
	3465.00	-9.6	H	3.0	36.0	1.0	-44.6	-13.0	-31.6	
	5197.50	1.3	H	3.0	35.4	1.0	-33.1	-13.0	-20.1	
	6930.00	-9.8	H	3.0	35.7	1.0	-44.5	-13.0	-31.5	
	<b>High Ch, 1752.5</b>									
	3505.00	-12.4	V	3.0	36.0	1.0	-47.4	-13.0	-34.4	
	5257.50	0.3	V	3.0	35.4	1.0	-34.2	-13.0	-21.2	
	7010.00	-13.4	V	3.0	35.7	1.0	-48.1	-13.0	-35.1	
	3505.00	102.9	H	3.0	36.0	1.0	67.9	-13.0	80.9	
	5257.50	1.7	H	3.0	35.4	1.0	-32.7	-13.0	-19.7	
	7010.00	-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>		15I20150									
<b>Date:</b>		3/10/2015									
<b>Test Engineer:</b>		R.Z									
<b>Configuration:</b>		EUT , AC Adapter and Headset									
<b>Location:</b>		Chamber G									
<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  LTE4  3MHz  16QAM	<b>Low Ch, 1711.5</b>										
		3423.00	-9.3	V	3.0	36.1	1.0	-44.3	-13.0	-31.3	
		5134.50	1.7	V	3.0	35.4	1.0	-32.7	-13.0	-19.7	
		6846.00	-12.6	V	3.0	35.7	1.0	-47.2	-13.0	-34.2	
		3423.00	-4.2	H	3.0	36.1	1.0	-39.3	-13.0	-26.3	
		5134.50	3.4	H	3.0	35.4	1.0	-31.0	-13.0	-18.0	
		6846.00	-10.5	H	3.0	35.7	1.0	-45.1	-13.0	-32.1	
		<b>Mid Ch, 1732.5</b>									
		3465.00	-9.0	V	3.0	36.0	1.0	-44.1	-13.0	-31.1	
		5197.50	1.6	V	3.0	35.4	1.0	-32.8	-13.0	-19.8	
		6930.00	-11.7	V	3.0	35.7	1.0	-46.3	-13.0	-33.3	
		3465.00	-4.5	H	3.0	36.0	1.0	-39.5	-13.0	-26.5	
	5197.50	1.9	H	3.0	35.4	1.0	-32.5	-13.0	-19.5		
	6930.00	-11.4	H	3.0	35.7	1.0	-46.1	-13.0	-33.1		
	<b>High Ch, 1753.5</b>										
	3507.00	-9.1	V	3.0	36.0	1.0	-44.1	-13.0	-31.1		
	5260.50	-8.1	V	3.0	35.4	1.0	-42.6	-13.0	-29.6		
	7014.00	-12.7	V	3.0	35.7	1.0	-47.4	-13.0	-34.4		
	3507.00	-11.4	H	3.0	36.0	1.0	-46.4	-13.0	-33.4		
	5260.50	4.5	H	3.0	35.4	1.0	-29.9	-13.0	-16.9		
	7014.00	-12.3	H	3.0	35.7	1.0	-47.0	-13.0	-34.0		

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/10/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter and Headset								
<b>Location:</b>		Chamber G								
<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
	<b>Low Ch, 1711.5</b>									
Band	3423.00	-9.0	V	3.0	36.1	1.0	-44.0	-13.0	-31.0	
	5134.50	1.4	V	3.0	35.4	1.0	-33.0	-13.0	-20.0	
LTE4	6846.00	-11.8	V	3.0	35.7	1.0	-46.4	-13.0	-33.4	
	3423.00	-4.0	H	3.0	36.1	1.0	-39.1	-13.0	-26.1	
	5134.50	3.0	H	3.0	35.4	1.0	-31.4	-13.0	-18.4	
3MHz	6846.00	-10.2	H	3.0	35.7	1.0	-44.8	-13.0	-31.8	
	<b>Mid Ch, 1732.5</b>									
QPSK	3465.00	-9.2	V	3.0	36.0	1.0	-44.3	-13.0	-31.3	
	5197.50	0.9	V	3.0	35.4	1.0	-33.5	-13.0	-20.5	
	6930.00	-11.4	V	3.0	35.7	1.0	-46.0	-13.0	-33.0	
	3465.00	-4.2	H	3.0	36.0	1.0	-39.3	-13.0	-26.3	
	5197.50	1.8	H	3.0	35.4	1.0	-32.6	-13.0	-19.6	
	6930.00	-11.0	H	3.0	35.7	1.0	-45.7	-13.0	-32.7	
	<b>High Ch, 1753.5</b>									
	3507.00	-9.5	V	3.0	36.0	1.0	-44.5	-13.0	-31.5	
	5260.50	-7.9	V	3.0	35.4	1.0	-42.4	-13.0	-29.4	
	7014.00	-13.0	V	3.0	35.7	1.0	-47.7	-13.0	-34.7	
	3507.00	-8.9	H	3.0	36.0	1.0	-43.9	-13.0	-30.9	
	5260.50	5.0	H	3.0	35.4	1.0	-29.4	-13.0	-16.4	
	7014.00	-11.7	H	3.0	35.7	1.0	-46.4	-13.0	-33.4	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/10/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter and Headset								
<b>Location:</b>		Chamber G								
<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	<b>Low Ch, 1710.7</b>									
	3421.40	-9.4	V	3.0	36.1	1.0	-44.5	-13.0	-31.5	
	5132.10	0.6	V	3.0	35.4	1.0	-33.8	-13.0	-20.8	
LTE4	6842.80	-13.6	V	3.0	35.7	1.0	-48.2	-13.0	-35.2	
	3421.40	-9.2	H	3.0	36.1	1.0	-44.2	-13.0	-31.2	
	5132.10	-1.8	H	3.0	35.4	1.0	-36.2	-13.0	-23.2	
1.4MHz	6842.80	-11.0	H	3.0	35.7	1.0	-45.6	-13.0	-32.6	
	<b>Mid Ch, 1732.5</b>									
	3465.00	-6.3	V	3.0	36.0	1.0	-41.4	-13.0	-28.4	
16QAM	5197.50	-0.2	V	3.0	35.4	1.0	-34.6	-13.0	-21.6	
	6930.00	-10.9	V	3.0	35.7	1.0	-45.5	-13.0	-32.5	
	3465.00	-4.4	H	3.0	36.0	1.0	-39.4	-13.0	-26.4	
	5197.50	3.7	H	3.0	35.4	1.0	-30.7	-13.0	-17.7	
	6930.00	-11.6	H	3.0	35.7	1.0	-46.3	-13.0	-33.3	
	<b>High Ch, 1754.3</b>									
	3508.60	-5.7	V	3.0	36.0	1.0	-40.7	-13.0	-27.7	
	5262.90	0.9	V	3.0	35.4	1.0	-33.6	-13.0	-20.6	
	7017.20	-12.7	V	3.0	35.7	1.0	-47.4	-13.0	-34.4	
	3508.60	-13.8	H	3.0	36.0	1.0	-48.8	-13.0	-35.8	
	5262.90	3.5	H	3.0	35.4	1.0	-30.9	-13.0	-17.9	
	7017.20	-11.7	H	3.0	35.7	1.0	-46.4	-13.0	-33.4	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/10/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter and Headset								
<b>Location:</b>		Chamber G								
<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
Band  LTE4  1.4MHz	<b>Low Ch, 1710.7</b>									
	3421.40	-9.2	V	3.0	36.1	1.0	-44.3	-13.0	-31.3	
	5132.10	0.9	V	3.0	35.4	1.0	-33.5	-13.0	-20.5	
	6842.80	-13.2	V	3.0	35.7	1.0	-47.8	-13.0	-34.8	
	3421.40	-8.9	H	3.0	36.1	1.0	-44.0	-13.0	-31.0	
	5132.10	-1.4	H	3.0	35.4	1.0	-35.9	-13.0	-22.9	
QPSK	6842.80	-10.6	H	3.0	35.7	1.0	-45.2	-13.0	-32.2	
	<b>Mid Ch, 1732.5</b>									
	3465.00	-6.1	V	3.0	36.0	1.0	-41.1	-13.0	-28.1	
	5197.50	0.1	V	3.0	35.4	1.0	-34.4	-13.0	-21.4	
	6930.00	-10.6	V	3.0	35.7	1.0	-45.3	-13.0	-32.3	
	3465.00	-4.1	H	3.0	36.0	1.0	-39.2	-13.0	-26.2	
	5197.50	3.9	H	3.0	35.4	1.0	-30.5	-13.0	-17.5	
	6930.00	-11.1	H	3.0	35.7	1.0	-45.8	-13.0	-32.8	
	<b>High Ch, 1754.3</b>									
	3508.60	-5.5	V	3.0	36.0	1.0	-40.5	-13.0	-27.5	
5262.90	1.5	V	3.0	35.4	1.0	-33.0	-13.0	-20.0		
7017.20	-12.4	V	3.0	35.7	1.0	-47.1	-13.0	-34.1		
3508.60	-13.6	H	3.0	36.0	1.0	-48.6	-13.0	-35.6		
5262.90	3.9	H	3.0	35.4	1.0	-30.5	-13.0	-17.5		
7017.20	-11.4	H	3.0	35.7	1.0	-46.1	-13.0	-33.1		



**LTE Band 2**

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I20150							
<b>Date:</b>		3/11/2015							
<b>Test Engineer:</b>		R.Z							
<b>Configuration:</b>		EUT/ AC Charger/ Headset							
<b>Location:</b>		Chamber G							
<b>Mode:</b>		LTE_16QAM Band 2 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, 1860</b>									
Band	3720.00	-17.8	V	3.0	35.8	1.0	-52.7	-13.0	-39.7
	5580.00	6.0	V	3.0	35.5	1.0	-28.5	-13.0	-15.5
LTE2	7440.00	-9.2	V	3.0	35.7	1.0	-44.0	-13.0	-31.0
	3720.00	-15.6	H	3.0	35.8	1.0	-50.4	-13.0	-37.4
20MHz	5580.00	6.8	H	3.0	35.5	1.0	-27.7	-13.0	-14.7
	7440.00	-9.0	H	3.0	35.7	1.0	-43.7	-13.0	-30.7
<b>Mid Ch, 1880</b>									
16QAM	3760.00	-18.4	V	3.0	35.8	1.0	-53.2	-13.0	-40.2
	5640.00	0.9	V	3.0	35.5	1.0	-33.6	-13.0	-20.6
	7520.00	-11.5	V	3.0	35.7	1.0	-46.3	-13.0	-33.3
	3760.00	-18.6	H	3.0	35.8	1.0	-53.4	-13.0	-40.4
	5640.00	5.4	H	3.0	35.5	1.0	-29.1	-13.0	-16.1
	7520.00	-8.7	H	3.0	35.7	1.0	-43.5	-13.0	-30.5
<b>High Ch, 1900</b>									
	3800.00	-16.8	V	3.0	35.8	1.0	-51.5	-13.0	-38.5
	5700.00	2.4	V	3.0	35.5	1.0	-32.1	-13.0	-19.1
	7600.00	-9.6	V	3.0	35.8	1.0	-44.4	-13.0	-31.4
	3800.00	-16.5	H	3.0	35.8	1.0	-51.3	-13.0	-38.3
	5700.00	5.8	H	3.0	35.5	1.0	-28.7	-13.0	-15.7
	7600.00	-9.2	H	3.0	35.8	1.0	-43.9	-13.0	-30.9

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/11/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<b>Mode:</b>		LTE_QPSK Band 2 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, 1860</b>									
Band	3720.00	-17.7	V	3.0	35.8	1.0	-52.6	-13.0	-39.6	
	5580.00	6.7	V	3.0	35.5	1.0	-27.8	-13.0	-14.8	
LTE2	7440.00	-9.3	V	3.0	35.7	1.0	-44.0	-13.0	-31.0	
	3720.00	-15.3	H	3.0	35.8	1.0	-50.1	-13.0	-37.1	
20MHz	5580.00	7.1	H	3.0	35.5	1.0	-27.4	-13.0	-14.4	
	7440.00	-8.8	H	3.0	35.7	1.0	-43.6	-13.0	-30.6	
	<b>Mid Ch, 1880</b>									
QPSK	3760.00	-17.4	V	3.0	35.8	1.0	-52.2	-13.0	-39.2	
	5640.00	4.8	V	3.0	35.5	1.0	-29.7	-13.0	-16.7	
	7520.00	-9.9	V	3.0	35.7	1.0	-44.7	-13.0	-31.7	
	3760.00	-18.1	H	3.0	35.8	1.0	-52.9	-13.0	-39.9	
	5640.00	6.1	H	3.0	35.5	1.0	-28.4	-13.0	-15.4	
	7520.00	-7.9	H	3.0	35.7	1.0	-42.7	-13.0	-29.7	
	<b>High Ch, 1900</b>									
	3800.00	106.7	V	3.0	35.8	1.0	72.0	-13.0	85.0	
	5700.00	3.1	V	3.0	35.5	1.0	-31.4	-13.0	-18.4	
	7600.00	-10.7	V	3.0	35.8	1.0	-45.5	-13.0	-32.5	
	3800.00	-17.0	H	3.0	35.8	1.0	-51.8	-13.0	-38.8	
	5700.00	6.0	H	3.0	35.5	1.0	-28.5	-13.0	-15.5	
	7600.00	-8.7	H	3.0	35.8	1.0	-43.4	-13.0	-30.4	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/11/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<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
	<b>Low Ch, 1857.5</b>									
Band	3715.00	-17.3	V	3.0	35.8	1.0	-52.1	-13.0	-39.1	
	5572.50	2.5	V	3.0	35.5	1.0	-32.0	-13.0	-19.0	
LTE2	7430.00	-7.3	V	3.0	35.7	1.0	-42.1	-13.0	-29.1	
	3715.00	-15.9	H	3.0	35.8	1.0	-50.7	-13.0	-37.7	
15MHz	5572.50	3.0	H	3.0	35.5	1.0	-31.5	-13.0	-18.5	
	7430.00	-8.1	H	3.0	35.7	1.0	-42.8	-13.0	-29.8	
	<b>Mid Ch, 1880</b>									
16QAM	3760.00	-17.4	V	3.0	35.8	1.0	-52.3	-13.0	-39.3	
	5640.00	1.8	V	3.0	35.5	1.0	-32.7	-13.0	-19.7	
	7520.00	-13.7	V	3.0	35.7	1.0	-48.5	-13.0	-35.5	
	3760.00	-17.7	H	3.0	35.8	1.0	-52.5	-13.0	-39.5	
	5640.00	3.6	H	3.0	35.5	1.0	-30.9	-13.0	-17.9	
	7520.00	-8.6	H	3.0	35.7	1.0	-43.4	-13.0	-30.4	
	<b>High Ch, 1902.5</b>									
	3805.00	-15.7	V	3.0	35.8	1.0	-50.5	-13.0	-37.5	
	5707.50	0.9	V	3.0	35.5	1.0	-33.6	-13.0	-20.6	
	7610.00	-8.8	V	3.0	35.8	1.0	-43.6	-13.0	-30.6	
	3805.00	-17.5	H	3.0	35.8	1.0	-52.3	-13.0	-39.3	
	5707.50	2.5	H	3.0	35.5	1.0	-32.0	-13.0	-19.0	
	7610.00	-8.2	H	3.0	35.8	1.0	-43.0	-13.0	-30.0	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/11/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<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
	<b>Low Ch, 1857.5</b>									
Band	3715.00	-17.1	V	3.0	35.8	1.0	-52.0	-13.0	-39.0	
	5572.50	2.4	V	3.0	35.5	1.0	-32.1	-13.0	-19.1	
LTE2	7430.00	-7.5	V	3.0	35.7	1.0	-42.3	-13.0	-29.3	
	3715.00	-15.3	H	3.0	35.8	1.0	-50.1	-13.0	-37.1	
15MHz	5572.50	3.4	H	3.0	35.5	1.0	-31.1	-13.0	-18.1	
	7430.00	-8.2	H	3.0	35.7	1.0	-42.9	-13.0	-29.9	
	<b>Mid Ch, 1880</b>									
QPSK	3760.00	-16.9	V	3.0	35.8	1.0	-51.7	-13.0	-38.7	
	5640.00	2.2	V	3.0	35.5	1.0	-32.3	-13.0	-19.3	
	7520.00	-13.6	V	3.0	35.7	1.0	-48.4	-13.0	-35.4	
	3760.00	-17.3	H	3.0	35.8	1.0	-52.1	-13.0	-39.1	
	5640.00	3.5	H	3.0	35.5	1.0	-31.0	-13.0	-18.0	
	7520.00	-9.0	H	3.0	35.7	1.0	-43.8	-13.0	-30.8	
	<b>High Ch, 1902.5</b>									
	3805.00	-15.6	V	3.0	35.8	1.0	-50.4	-13.0	-37.4	
	5707.50	0.6	V	3.0	35.5	1.0	-33.9	-13.0	-20.9	
	7610.00	-9.2	V	3.0	35.8	1.0	-44.0	-13.0	-31.0	
	3805.00	-17.3	H	3.0	35.8	1.0	-52.1	-13.0	-39.1	
	5707.50	2.7	H	3.0	35.5	1.0	-31.8	-13.0	-18.8	
	7610.00	-8.0	H	3.0	35.8	1.0	-42.8	-13.0	-29.8	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement											
<b>Company:</b>		LG Electronics									
<b>Project #:</b>		15I20150									
<b>Date:</b>		3/11/2015									
<b>Test Engineer:</b>		R.Z									
<b>Configuration:</b>		EUT/ AC Charger/ Headset									
<b>Location:</b>		Chamber G									
<b>Mode:</b>		LTE_16QAM Band 2 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  LTE2  10MHz  16QAM	<b>Low Ch, 1855</b>										
		3710.00	-13.6	V	3.0	35.9	1.0	-48.5	-13.0	-35.5	
		5565.00	1.6	V	3.0	35.5	1.0	-32.9	-13.0	-19.9	
		7420.00	-8.3	V	3.0	35.7	1.0	-43.1	-13.0	-30.1	
		3710.00	-10.7	H	3.0	35.9	1.0	-45.6	-13.0	-32.6	
		5565.00	5.0	H	3.0	35.5	1.0	-29.4	-13.0	-16.4	
		7420.00	-8.8	H	3.0	35.7	1.0	-43.5	-13.0	-30.5	
		<b>Mid Ch, 1880</b>									
		3760.00	-16.8	V	3.0	35.8	1.0	-51.6	-13.0	-38.6	
		5640.00	2.8	V	3.0	35.5	1.0	-31.7	-13.0	-18.7	
		7520.00	-9.5	V	3.0	35.7	1.0	-44.3	-13.0	-31.3	
		3760.00	-16.9	H	3.0	35.8	1.0	-51.7	-13.0	-38.7	
	5640.00	1.1	H	3.0	35.5	1.0	-33.4	-13.0	-20.4		
	7520.00	-8.8	H	3.0	35.7	1.0	-43.6	-13.0	-30.6		
	<b>High Ch, 1905</b>										
	3810.00	-15.7	V	3.0	35.8	1.0	-50.5	-13.0	-37.5		
	5715.00	2.0	V	3.0	35.5	1.0	-32.5	-13.0	-19.5		
	7620.00	-7.2	V	3.0	35.8	1.0	-41.9	-13.0	-28.9		
	3810.00	-16.4	H	3.0	35.8	1.0	-51.2	-13.0	-38.2		
	5715.00	4.3	H	3.0	35.5	1.0	-30.2	-13.0	-17.2		
	7620.00	-9.0	H	3.0	35.8	1.0	-43.8	-13.0	-30.8		

<b>UL Verification Services, Inc.</b>												
<b>Above 1GHz High Frequency Substitution Measurement</b>												
<b>Company:</b>		LG Electronics										
<b>Project #:</b>		15I20150										
<b>Date:</b>		3/11/2015										
<b>Test Engineer:</b>		R.Z										
<b>Configuration:</b>		EUT/ AC Charger/ Headset										
<b>Location:</b>		Chamber G										
<b>Mode:</b>		LTE_QPSK Band 2 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	<b>Low Ch, 1855</b>											
		3710.00	-13.7	V	3.0	35.9	1.0	-48.6	-13.0	-35.6		
		5565.00	1.8	V	3.0	35.5	1.0	-32.7	-13.0	-19.7		
	LTE2		7420.00	-8.1	V	3.0	35.7	1.0	-42.9	-13.0	-29.9	
			3710.00	-10.9	H	3.0	35.9	1.0	-45.8	-13.0	-32.8	
	10MHz		5565.00	4.8	H	3.0	35.5	1.0	-29.6	-13.0	-16.6	
		7420.00	-8.6	H	3.0	35.7	1.0	-43.3	-13.0	-30.3		
QPSK	<b>Mid Ch, 1880</b>											
		3760.00	-17.2	V	3.0	35.8	1.0	-52.0	-13.0	-39.0		
		5640.00	3.2	V	3.0	35.5	1.0	-31.3	-13.0	-18.3		
		7520.00	-9.3	V	3.0	35.7	1.0	-44.1	-13.0	-31.1		
		3760.00	-16.7	H	3.0	35.8	1.0	-51.5	-13.0	-38.5		
		5640.00	1.9	H	3.0	35.5	1.0	-32.6	-13.0	-19.6		
		7520.00	-8.7	H	3.0	35.7	1.0	-43.5	-13.0	-30.5		
		<b>High Ch, 1905</b>										
	3810.00	-15.5	V	3.0	35.8	1.0	-50.3	-13.0	-37.3			
	5715.00	1.6	V	3.0	35.5	1.0	-32.9	-13.0	-19.9			
	7620.00	-6.6	V	3.0	35.8	1.0	-41.3	-13.0	-28.3			
	3810.00	-16.3	H	3.0	35.8	1.0	-51.1	-13.0	-38.1			
	5715.00	4.5	H	3.0	35.5	1.0	-30.0	-13.0	-17.0			
	7620.00	-9.2	H	3.0	35.8	1.0	-44.0	-13.0	-31.0			

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/11/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<b>Mode:</b>		LTE_16QAM Band 2 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
	<b>Low Ch, 1852.5</b>									
Band	3705.00	-17.0	V	3.0	35.9	1.0	-51.8	-13.0	-38.8	
	5557.50	2.6	V	3.0	35.5	1.0	-31.9	-13.0	-18.9	
LTE2	7410.00	-9.5	V	3.0	35.7	1.0	-44.2	-13.0	-31.2	
	3705.00	-11.2	H	3.0	35.9	1.0	-46.1	-13.0	-33.1	
	5557.50	3.9	H	3.0	35.5	1.0	-30.5	-13.0	-17.5	
5MHz	7410.00	-10.5	H	3.0	35.7	1.0	-45.2	-13.0	-32.2	
	<b>Mid Ch, 1880</b>									
16QAM	3760.00	-17.3	V	3.0	35.8	1.0	-52.1	-13.0	-39.1	
	5640.00	1.8	V	3.0	35.5	1.0	-32.7	-13.0	-19.7	
	7520.00	-11.7	V	3.0	35.7	1.0	-46.5	-13.0	-33.5	
	3760.00	-18.9	H	3.0	35.8	1.0	-53.7	-13.0	-40.7	
	5640.00	2.1	H	3.0	35.5	1.0	-32.4	-13.0	-19.4	
	7520.00	-12.9	H	3.0	35.7	1.0	-47.7	-13.0	-34.7	
	<b>High Ch, 1907.5</b>									
	3815.00	-17.6	V	3.0	35.8	1.0	-52.4	-13.0	-39.4	
	5722.50	2.5	V	3.0	35.5	1.0	-32.0	-13.0	-19.0	
	7630.00	-7.8	V	3.0	35.8	1.0	-42.5	-13.0	-29.5	
	3815.00	-16.8	H	3.0	35.8	1.0	-51.6	-13.0	-38.6	
	5722.50	2.9	H	3.0	35.5	1.0	-31.6	-13.0	-18.6	
	7630.00	-9.1	H	3.0	35.8	1.0	-43.9	-13.0	-30.9	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/11/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<b>Mode:</b>		LTE_QPSK Band 2 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
<b>Low Ch, 1852.5</b>										
Band	3705.00	-16.4	V	3.0	35.9	1.0	-51.2	-13.0	-38.2	
	5557.50	1.8	V	3.0	35.5	1.0	-32.7	-13.0	-19.7	
LTE2	7410.00	-10.3	V	3.0	35.7	1.0	-45.0	-13.0	-32.0	
	3705.00	-13.2	H	3.0	35.9	1.0	-48.1	-13.0	-35.1	
5MHz	5557.50	4.4	H	3.0	35.5	1.0	-30.1	-13.0	-17.1	
	7410.00	-10.9	H	3.0	35.7	1.0	-45.6	-13.0	-32.6	
<b>Mid Ch, 1880</b>										
QPSK	3760.00	-15.5	V	3.0	35.8	1.0	-50.3	-13.0	-37.3	
	5640.00	0.0	V	3.0	35.5	1.0	-34.5	-13.0	-21.5	
	7520.00	-9.1	V	3.0	35.7	1.0	-43.9	-13.0	-30.9	
	3760.00	-18.6	H	3.0	35.8	1.0	-53.4	-13.0	-40.4	
	5640.00	2.8	H	3.0	35.5	1.0	-31.7	-13.0	-18.7	
	7520.00	-12.2	H	3.0	35.7	1.0	-47.0	-13.0	-34.0	
<b>High Ch, 1907.5</b>										
	3815.00	-18.5	V	3.0	35.8	1.0	-53.3	-13.0	-40.3	
	5722.50	2.6	V	3.0	35.5	1.0	-31.9	-13.0	-18.9	
	7630.00	-7.6	V	3.0	35.8	1.0	-42.3	-13.0	-29.3	
	3815.00	-16.2	H	3.0	35.8	1.0	-51.0	-13.0	-38.0	
	5722.50	3.3	H	3.0	35.5	1.0	-31.2	-13.0	-18.2	
	7630.00	-9.3	H	3.0	35.8	1.0	-44.1	-13.0	-31.1	



<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/11/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<b>Mode:</b>		LTE_16QAM Band 2 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
	<b>Low Ch, 1851.5</b>									
Band	3703.00	-11.9	V	3.0	35.9	1.0	-46.7	-13.0	-33.7	
	5554.50	6.5	V	3.0	35.5	1.0	-28.0	-13.0	-15.0	
LTE2	7406.00	-7.1	V	3.0	35.7	1.0	-41.8	-13.0	-28.8	
	3703.00	-10.8	H	3.0	35.9	1.0	-45.7	-13.0	-32.7	
	5554.50	7.7	H	3.0	35.5	1.0	-26.8	-13.0	-13.8	
3MHz	7406.00	-8.4	H	3.0	35.7	1.0	-43.1	-13.0	-30.1	
	<b>Mid Ch, 1880</b>									
16QAM	3760.00	-14.7	V	3.0	35.8	1.0	-49.5	-13.0	-36.5	
	5640.00	3.5	V	3.0	35.5	1.0	-31.0	-13.0	-18.0	
	7520.00	-5.3	V	3.0	35.7	1.0	-40.1	-13.0	-27.1	
	3760.00	-15.9	H	3.0	35.8	1.0	-50.7	-13.0	-37.7	
	5640.00	5.9	H	3.0	35.5	1.0	-28.6	-13.0	-15.6	
	7520.00	-9.3	H	3.0	35.7	1.0	-44.1	-13.0	-31.1	
	<b>High Ch, 1908.5</b>									
	3817.00	-15.4	V	3.0	35.8	1.0	-50.2	-13.0	-37.2	
	5725.50	3.7	V	3.0	35.5	1.0	-30.8	-13.0	-17.8	
	7634.00	-7.6	V	3.0	35.8	1.0	-42.3	-13.0	-29.3	
	3817.00	-14.7	H	3.0	35.8	1.0	-49.5	-13.0	-36.5	
	5725.50	4.1	H	3.0	35.5	1.0	-30.4	-13.0	-17.4	
	7634.00	-8.0	H	3.0	35.8	1.0	-42.8	-13.0	-29.8	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/11/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<b>Mode:</b>		LTE_QPSK Band 2 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
	<b>Low Ch, 1851.5</b>									
Band	3703.00	-12.1	V	3.0	35.9	1.0	-46.9	-13.0	-33.9	
	5554.50	6.6	V	3.0	35.5	1.0	-27.9	-13.0	-14.9	
LTE2	7406.00	-7.3	V	3.0	35.7	1.0	-42.0	-13.0	-29.0	
	3703.00	-10.7	H	3.0	35.9	1.0	-45.6	-13.0	-32.6	
	5554.50	8.0	H	3.0	35.5	1.0	-26.5	-13.0	-13.5	
3MHz	7406.00	-8.1	H	3.0	35.7	1.0	-42.8	-13.0	-29.8	
	<b>Mid Ch, 1880</b>									
QPSK	3760.00	-15.9	V	3.0	35.8	1.0	-50.7	-13.0	-37.7	
	5640.00	3.8	V	3.0	35.5	1.0	-30.7	-13.0	-17.7	
	7520.00	-5.5	V	3.0	35.7	1.0	-40.3	-13.0	-27.3	
	3760.00	-16.6	H	3.0	35.8	1.0	-51.4	-13.0	-38.4	
	5640.00	6.0	H	3.0	35.5	1.0	-28.5	-13.0	-15.5	
	7520.00	-9.8	H	3.0	35.7	1.0	-44.6	-13.0	-31.6	
	<b>High Ch, 1908.5</b>									
	3817.00	-15.3	V	3.0	35.8	1.0	-50.1	-13.0	-37.1	
	5725.50	3.4	V	3.0	35.5	1.0	-31.1	-13.0	-18.1	
	7634.00	-7.4	V	3.0	35.8	1.0	-42.1	-13.0	-29.1	
	3817.00	-15.5	H	3.0	35.8	1.0	-50.3	-13.0	-37.3	
	5725.50	4.3	H	3.0	35.5	1.0	-30.2	-13.0	-17.2	
	7634.00	-7.9	H	3.0	35.8	1.0	-42.7	-13.0	-29.7	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/11/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<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>Low Ch, 1850.7</b>										
Band	3701.40	-7.6	V	3.0	35.9	1.0	-42.4	-13.0	-29.4	
	5552.10	5.5	V	3.0	35.5	1.0	-29.0	-13.0	-16.0	
LTE2	7402.80	-10.2	V	3.0	35.7	1.0	-44.9	-13.0	-31.9	
	3701.40	-8.1	H	3.0	35.9	1.0	-43.0	-13.0	-30.0	
1.4MHz	5552.10	4.3	H	3.0	35.5	1.0	-30.2	-13.0	-17.2	
	7402.80	-8.6	H	3.0	35.7	1.0	-43.3	-13.0	-30.3	
<b>Mid Ch, 1880</b>										
16QAM	3760.00	-16.6	V	3.0	35.8	1.0	-44.7	-13.0	-31.7	
	5640.00	0.7	V	3.0	35.5	1.0	-33.8	-13.0	-20.8	
	7520.00	-6.7	V	3.0	35.7	1.0	-41.5	-13.0	-28.5	
	3760.00	-9.1	H	3.0	35.8	1.0	-43.9	-13.0	-30.9	
	5640.00	3.1	H	3.0	35.5	1.0	-31.4	-13.0	-18.4	
	7520.00	-10.3	H	3.0	35.7	1.0	-45.1	-13.0	-32.1	
<b>High Ch, 1909.3</b>										
	3818.60	-16.0	V	3.0	35.8	1.0	-50.8	-13.0	-37.8	
	5727.90	1.7	V	3.0	35.5	1.0	-32.8	-13.0	-19.8	
	7637.20	-5.9	V	3.0	35.8	1.0	-40.6	-13.0	-27.6	
	3818.60	-13.8	H	3.0	35.8	1.0	-48.6	-13.0	-35.6	
	5727.90	4.5	H	3.0	35.5	1.0	-30.0	-13.0	-17.0	
	7637.20	-9.4	H	3.0	35.8	1.0	-44.2	-13.0	-31.2	

<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/11/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT/ AC Charger/ Headset								
<b>Location:</b>		Chamber G								
<b>Mode:</b>		LTE_QPSK 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>Low Ch, 1850.7</b>									
Band	3701.40	-7.4	V	3.0	35.9	1.0	-42.3	-13.0	-29.3	
	5552.10	6.8	V	3.0	35.5	1.0	-27.7	-13.0	-14.7	
LTE2	7402.80	-11.3	V	3.0	35.7	1.0	-46.0	-13.0	-33.0	
	3701.40	-9.5	H	3.0	35.9	1.0	-44.4	-13.0	-31.4	
1.4MHz	5552.10	3.9	H	3.0	35.5	1.0	-30.6	-13.0	-17.6	
	7402.80	-9.4	H	3.0	35.7	1.0	-44.1	-13.0	-31.1	
	<b>Mid Ch, 1880</b>									
QPSK	3760.00	-16.7	V	3.0	35.8	1.0	-51.5	-13.0	-38.5	
	5640.00	1.1	V	3.0	35.5	1.0	-33.4	-13.0	-20.4	
	7520.00	-6.6	V	3.0	35.7	1.0	-41.4	-13.0	-28.4	
	3760.00	-9.0	H	3.0	35.8	1.0	-43.8	-13.0	-30.8	
	5640.00	3.4	H	3.0	35.5	1.0	-31.1	-13.0	-18.1	
	7520.00	-10.1	H	3.0	35.7	1.0	-44.9	-13.0	-31.9	
	<b>High Ch, 1909.3</b>									
	3818.60	-15.9	V	3.0	35.8	1.0	-50.7	-13.0	-37.7	
	5727.90	1.2	V	3.0	35.5	1.0	-33.3	-13.0	-20.3	
	7637.20	-5.7	V	3.0	35.8	1.0	-40.4	-13.0	-27.4	
	3818.60	-14.2	H	3.0	35.8	1.0	-49.0	-13.0	-36.0	
	5727.90	5.6	H	3.0	35.5	1.0	-28.9	-13.0	-15.9	
	7637.20	-9.3	H	3.0	35.8	1.0	-44.1	-13.0	-31.1	

**CDMA**

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I20150							
<b>Date:</b>		3/12/2015							
<b>Test Engineer:</b>		R.Z							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber G							
<b>Mode:</b>		CDMA EVDO BC1 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, 1851.25</b>									
3702.50	-11.9	V	3.0	35.9	1.0	-46.8	-13.0	-33.8	
5553.75	-4.3	V	3.0	35.5	1.0	-38.8	-13.0	-25.8	
7405.00	-7.6	V	3.0	35.7	1.0	-42.4	-13.0	-29.4	
3702.50	-11.5	H	3.0	35.9	1.0	-46.4	-13.0	-33.4	
5553.75	0.5	H	3.0	35.5	1.0	-33.9	-13.0	-20.9	
7405.00	-7.8	H	3.0	35.7	1.0	-42.5	-13.0	-29.5	
<b>Mid Ch, 1880</b>									
3760.00	-16.9	V	3.0	35.8	1.0	-51.7	-13.0	-38.7	
5640.00	-2.9	V	3.0	35.5	1.0	-37.4	-13.0	-24.4	
7520.00	-11.2	V	3.0	35.7	1.0	-46.0	-13.0	-33.0	
3760.00	-17.0	H	3.0	35.8	1.0	-51.8	-13.0	-38.8	
5640.00	-0.6	H	3.0	35.5	1.0	-35.1	-13.0	-22.1	
7520.00	-10.7	H	3.0	35.7	1.0	-45.5	-13.0	-32.5	
<b>High Ch, 1908.75</b>									
3817.50	-16.2	V	3.0	35.8	1.0	-50.9	-13.0	-37.9	
5726.25	-4.7	V	3.0	35.5	1.0	-39.2	-13.0	-26.2	
7635.00	-7.2	V	3.0	35.8	1.0	-41.9	-13.0	-28.9	
3817.50	-15.8	H	3.0	35.8	1.0	-50.6	-13.0	-37.6	
5726.25	-3.0	H	3.0	35.5	1.0	-37.5	-13.0	-24.5	
7635.00	-6.9	H	3.0	35.8	1.0	-41.7	-13.0	-28.7	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement											
<b>Company:</b>		LG Electronics									
<b>Project #:</b>		15I20150									
<b>Date:</b>		3/12/2015									
<b>Test Engineer:</b>		R.Z									
<b>Configuration:</b>		EUT , AC Adapter, Headset									
<b>Location:</b>		Chamber G									
<b>Mode:</b>		CDMA 1xRTT BC1 Harmonics									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
Band  BC1  1xRTT	<b>Low Ch, 1851.25</b>										
		3702.50	-13.2	V	3.0	35.9	1.0	-48.1	-13.0	-35.1	
		5553.75	-1.7	V	3.0	35.5	1.0	-36.2	-13.0	-23.2	
		7405.00	-8.7	V	3.0	35.7	1.0	-43.5	-13.0	-30.5	
		3702.50	-12.4	H	3.0	35.9	1.0	-47.3	-13.0	-34.3	
		5553.75	1.2	H	3.0	35.5	1.0	-33.3	-13.0	-20.3	
		7405.00	-9.4	H	3.0	35.7	1.0	-44.1	-13.0	-31.1	
		<b>Mid Ch, 1880</b>									
		3760.00	-18.1	V	3.0	35.8	1.0	-52.9	-13.0	-39.9	
		5640.00	-5.2	V	3.0	35.5	1.0	-39.7	-13.0	-26.7	
		7520.00	-12.2	V	3.0	35.7	1.0	-47.0	-13.0	-34.0	
		3760.00	-16.6	H	3.0	35.8	1.0	-51.4	-13.0	-38.4	
		5640.00	2.0	H	3.0	35.5	1.0	-32.5	-13.0	-19.5	
		7520.00	-10.1	H	3.0	35.7	1.0	-44.9	-13.0	-31.9	
		<b>High Ch, 1908.75</b>									
		3817.50	-17.1	V	3.0	35.8	1.0	-51.9	-13.0	-38.9	
		5726.25	-6.1	V	3.0	35.5	1.0	-40.6	-13.0	-27.6	
		7635.00	-10.3	V	3.0	35.8	1.0	-45.0	-13.0	-32.0	
	3817.50	-16.8	H	3.0	35.8	1.0	-51.6	-13.0	-38.6		
	5726.25	-3.6	H	3.0	35.5	1.0	-38.1	-13.0	-25.1		
	7635.00	-10.0	H	3.0	35.8	1.0	-44.8	-13.0	-31.8		

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
<b>Company:</b>		LG Electronics							
<b>Project #:</b>		15I20150							
<b>Date:</b>		3/12/2015							
<b>Test Engineer:</b>		R.Z							
<b>Configuration:</b>		EUT , AC Adapter, Headset							
<b>Location:</b>		Chamber G							
<b>Mode:</b>		CDMA EVDO BC0 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, 824.7</b>									
1649.40	4.4	V	3.0	37.4	1.0	-32.0	-13.0	-19.0	
2474.10	-19.5	V	3.0	36.4	1.0	-54.9	-13.0	-41.9	
3298.80	-19.8	V	3.0	35.8	1.0	-54.6	-13.0	-41.6	
1649.40	-7.0	H	3.0	37.4	1.0	-43.4	-13.0	-30.4	
2474.10	-18.5	H	3.0	36.4	1.0	-53.9	-13.0	-40.9	
3298.80	-19.8	H	3.0	35.8	1.0	-54.6	-13.0	-41.6	
<b>Mid Ch, 836.52</b>									
1673.04	4.8	V	3.0	37.3	1.0	-31.5	-13.0	-18.5	
2509.56	-17.9	V	3.0	36.4	1.0	-53.3	-13.0	-40.3	
3346.08	-18.6	V	3.0	35.8	1.0	-53.4	-13.0	-40.4	
1673.04	-6.7	H	3.0	37.3	1.0	-43.0	-13.0	-30.0	
2509.56	-18.2	H	3.0	36.4	1.0	-53.6	-13.0	-40.6	
3346.08	-20.3	H	3.0	35.8	1.0	-55.1	-13.0	-42.1	
<b>High Ch, 848.31</b>									
1696.62	3.9	V	3.0	37.3	1.0	-32.4	-13.0	-19.4	
2544.93	-16.8	V	3.0	36.3	1.0	-52.1	-13.0	-39.1	
3393.24	-19.2	V	3.0	35.7	1.0	-53.9	-13.0	-40.9	
1696.62	-5.2	H	3.0	37.3	1.0	-41.5	-13.0	-28.5	
2544.93	-15.4	H	3.0	36.3	1.0	-50.7	-13.0	-37.7	
3393.24	-19.5	H	3.0	35.7	1.0	-54.2	-13.0	-41.2	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/12/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter, Headset								
<b>Location:</b>		Chamber G								
<b>Mode:</b>		CDMA 1xRTT BC0 Harmonics								
	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, 824.7									
	1649.40	3.5	V	3.0	37.4	1.0	-32.9	-13.0	-19.9	
	2474.10	-18.7	V	3.0	36.4	1.0	-54.1	-13.0	-41.1	
BC0	3298.80	-20.0	V	3.0	35.8	1.0	-54.8	-13.0	-41.8	
	1649.40	-7.7	H	3.0	37.4	1.0	-44.1	-13.0	-31.1	
	2474.10	-18.3	H	3.0	36.4	1.0	-53.7	-13.0	-40.7	
1xRTT	3298.80	-19.5	H	3.0	35.8	1.0	-54.3	-13.0	-41.3	
	Mid Ch, 836.52									
	1673.04	4.1	V	3.0	37.3	1.0	-32.2	-13.0	-19.2	
	2509.56	-17.0	V	3.0	36.4	1.0	-52.4	-13.0	-39.4	
	3346.08	-18.7	V	3.0	35.8	1.0	-53.5	-13.0	-40.5	
	1673.04	-5.2	H	3.0	37.3	1.0	-41.5	-13.0	-28.5	
	2509.56	-17.8	H	3.0	36.4	1.0	-53.2	-13.0	-40.2	
	3346.08	-20.4	H	3.0	35.8	1.0	-55.2	-13.0	-42.2	
	High Ch, 848.31									
	1696.62	3.0	V	3.0	37.3	1.0	-33.3	-13.0	-20.3	
	2544.93	-17.3	V	3.0	36.3	1.0	-52.6	-13.0	-39.6	
	3393.24	-20.6	V	3.0	35.7	1.0	-55.3	-13.0	-42.3	
	1696.62	-4.4	H	3.0	37.3	1.0	-40.7	-13.0	-27.7	
	2544.93	-14.3	H	3.0	36.3	1.0	-49.6	-13.0	-36.6	
	3393.24	-19.8	H	3.0	35.7	1.0	-54.5	-13.0	-41.5	



<b>UL Verification Services, Inc.</b>										
<b>Above 1GHz High Frequency Substitution Measurement</b>										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/12/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter, Headset								
<b>Location:</b>		Chamber G								
<b>Mode:</b>		CDMA 1xRTT BC0 Harmonics								
	<b>f</b>	<b>SG reading</b>	<b>Ant Pol.</b>	<b>Distance</b>	<b>Preamp</b>	<b>Filter</b>	<b>EIRP</b>	<b>Limit</b>	<b>Delta</b>	<b>Notes</b>
	<b>MHz</b>	<b>(dBm)</b>	<b>(H/V)</b>	<b>(m)</b>	<b>(dB)</b>	<b>(dB)</b>	<b>(dBm)</b>	<b>(dBm)</b>	<b>(dB)</b>	
Band BC10	<b>Low Ch, 824.7</b>									
	1649.40	3.5	V	3.0	37.4	1.0	-32.9	-13.0	-19.9	
	2474.10	-18.7	V	3.0	36.4	1.0	-54.1	-13.0	-41.1	
	3298.80	-20.0	V	3.0	35.8	1.0	-54.8	-13.0	-41.8	
	1649.40	-7.7	H	3.0	37.4	1.0	-44.1	-13.0	-31.1	
	2474.10	-18.3	H	3.0	36.4	1.0	-53.7	-13.0	-40.7	
	3298.80	-19.5	H	3.0	35.8	1.0	-54.3	-13.0	-41.3	
	<b>Mid Ch, 836.52</b>									
	1673.04	4.1	V	3.0	37.3	1.0	-32.2	-13.0	-19.2	
	2509.56	-17.0	V	3.0	36.4	1.0	-52.4	-13.0	-39.4	
	3346.08	-18.7	V	3.0	35.8	1.0	-53.5	-13.0	-40.5	
	1673.04	-5.2	H	3.0	37.3	1.0	-41.5	-13.0	-28.5	
	2509.56	-17.8	H	3.0	36.4	1.0	-53.2	-13.0	-40.2	
	3346.08	-20.4	H	3.0	35.8	1.0	-55.2	-13.0	-42.2	
	<b>High Ch, 848.31</b>									
	1696.62	3.0	V	3.0	37.3	1.0	-33.3	-13.0	-20.3	
	2544.93	-17.3	V	3.0	36.3	1.0	-52.6	-13.0	-39.6	
	3393.24	-20.6	V	3.0	35.7	1.0	-55.3	-13.0	-42.3	
	1696.62	-4.4	H	3.0	37.3	1.0	-40.7	-13.0	-27.7	
	2544.93	-14.3	H	3.0	36.3	1.0	-49.6	-13.0	-36.6	
	3393.24	-19.8	H	3.0	35.7	1.0	-54.5	-13.0	-41.5	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG Electronics								
<b>Project #:</b>		15I20150								
<b>Date:</b>		3/12/2015								
<b>Test Engineer:</b>		R.Z								
<b>Configuration:</b>		EUT , AC Adapter, Headset								
<b>Location:</b>		Chamber G								
<b>Mode:</b>		CDMA 1xRTT BC10 Harmonics								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band  BC10  1xRTT	<b>Low Ch, 817.9MHz</b>									
	1.636	5.5	V	3.0	37.4	1.0	-30.9	-13.0	-17.9	
	2.454	-20.0	V	3.0	36.4	1.0	-55.4	-13.0	-42.4	
	3.272	-21.6	V	3.0	35.8	1.0	-56.4	-13.0	-43.4	
	1.636	-5.7	H	3.0	37.4	1.0	-42.1	-13.0	-29.1	
	2.454	-18.9	H	3.0	36.4	1.0	-54.3	-13.0	-41.3	
	3.272	-21.2	H	3.0	35.8	1.0	-56.0	-13.0	-43.0	
	<b>Mid Ch, 820.5MHz</b>									
	1.641	2.0	V	3.0	37.3	1.0	-34.3	-13.0	-21.3	
	2.462	-13.3	V	3.0	36.4	1.0	-48.7	-13.0	-35.7	
	3.282	-19.4	V	3.0	35.8	1.0	-54.2	-13.0	-41.2	
	1.641	-7.7	H	3.0	37.3	1.0	-44.0	-13.0	-31.0	
	2.462	-16.1	H	3.0	36.4	1.0	-51.5	-13.0	-38.5	
	3.282	-20.4	H	3.0	35.8	1.0	-55.2	-13.0	-42.2	
	<b>High Ch, 823.1MHz</b>									
1.646	3.6	V	3.0	37.3	1.0	-32.7	-13.0	-19.7		
2.469	-17.8	V	3.0	36.3	1.0	-53.1	-13.0	-40.1		
3.292	-19.9	V	3.0	35.7	1.0	-54.6	-13.0	-41.6		
1.646	-6.1	H	3.0	37.3	1.0	-42.4	-13.0	-29.4		
2.469	-16.6	H	3.0	36.3	1.0	-51.9	-13.0	-38.9		
3.292	-20.0	H	3.0	35.7	1.0	-54.7	-13.0	-41.7		