

WCDMA

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Project #: 15I21552 Date: 8/27/2015 Test Engineer: D. Mun & J. Ko Configuration: EUT + Earphones + AC Adapter Location: Chamber B Mode: HSDPA Band 2 Harmonics									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1852.4									
3704.80	-19.3	V	3.0	35.9	1.0	-54.2	-13.0	-41.2	
5557.20	-27.2	V	3.0	35.5	1.0	-61.7	-13.0	-48.7	
7409.60	-26.9	V	3.0	35.7	1.0	-61.7	-13.0	-48.7	
3704.80	-1.5	H	3.0	35.9	1.0	-36.4	-13.0	-23.4	
5557.20	-18.7	H	3.0	35.5	1.0	-53.1	-13.0	-40.1	
7409.60	-25.1	H	3.0	35.7	1.0	-59.9	-13.0	-46.9	
Mid Ch, 1880									
3760.00	-19.8	V	3.0	35.8	1.0	-54.6	-13.0	-41.6	
5640.00	-27.4	V	3.0	35.5	1.0	-61.9	-13.0	-48.9	
7520.00	-26.6	V	3.0	35.7	1.0	-61.3	-13.0	-48.3	
3760.00	-3.9	H	3.0	35.8	1.0	-38.7	-13.0	-25.7	
5640.00	-20.8	H	3.0	35.5	1.0	-55.2	-13.0	-42.2	
7520.00	-24.9	H	3.0	35.7	1.0	-59.6	-13.0	-46.6	
High Ch, 1907.6									
3815.20	-20.5	V	3.0	35.8	1.0	-55.3	-13.0	-42.3	
5722.80	-28.4	V	3.0	35.5	1.0	-62.9	-13.0	-49.9	
7630.40	-27.2	V	3.0	35.8	1.0	-61.9	-13.0	-48.9	
3815.20	-6.2	H	3.0	35.8	1.0	-40.9	-13.0	-27.9	
5722.80	-24.5	H	3.0	35.5	1.0	-59.0	-13.0	-46.0	
7630.40	-24.6	H	3.0	35.8	1.0	-59.4	-13.0	-46.4	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Project #: 15I21552 Date: 8/27/2015 Test Engineer: D. Mun & J. Ko Configuration: EUT + Earphones + AC Adapter Location: Chamber B Mode: Rel99 Band 2 Harmonics									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1852.4									
3704.80	-19.6	V	3.0	35.9	1.0	-54.5	-13.0	-41.5	
5557.20	-25.9	V	3.0	35.5	1.0	-60.4	-13.0	-47.4	
7409.60	-26.8	V	3.0	35.7	1.0	-61.5	-13.0	-48.5	
3704.80	-0.1	H	3.0	35.9	1.0	-34.9	-13.0	-21.9	
5557.20	-18.9	H	3.0	35.5	1.0	-53.4	-13.0	-40.4	
7409.60	-24.9	H	3.0	35.7	1.0	-59.6	-13.0	-46.6	
Mid Ch, 1880									
3760.00	-21.6	V	3.0	35.8	1.0	-56.4	-13.0	-43.4	
5640.00	-27.2	V	3.0	35.5	1.0	-61.7	-13.0	-48.7	
7520.00	-27.1	V	3.0	35.7	1.0	-61.8	-13.0	-48.8	
3760.00	-3.6	H	3.0	35.8	1.0	-38.4	-13.0	-25.4	
5640.00	-19.7	H	3.0	35.5	1.0	-54.2	-13.0	-41.2	
7520.00	-23.5	H	3.0	35.7	1.0	-58.2	-13.0	-45.2	
High Ch, 1907.6									
3815.20	-19.8	V	3.0	35.8	1.0	-54.6	-13.0	-41.6	
5722.80	-25.0	V	3.0	35.5	1.0	-59.5	-13.0	-46.5	
7630.40	-27.4	V	3.0	35.8	1.0	-62.2	-13.0	-49.2	
3815.20	-5.5	H	3.0	35.8	1.0	-40.2	-13.0	-27.2	
5722.80	-26.2	H	3.0	35.5	1.0	-60.7	-13.0	-47.7	
7630.40	0.0	H	3.0	35.8	1.0	-34.8	-13.0	-21.8	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Project #: 15I21552 Date: 8/27/2015 Test Engineer: D. Mun & J. Ko Configuration: EUT + Earphones + AC Adapter Location: Chamber B Mode: 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
Low Ch, 1712.4									
3424.80	-35.5	V	3.0	36.1	1.0	-70.5	-13.0	-57.5	
5137.20	-28.2	V	3.0	35.4	1.0	-62.6	-13.0	-49.6	
6849.60	-27.0	V	3.0	35.7	1.0	-61.7	-13.0	-48.7	
3424.80	-6.0	H	3.0	36.1	1.0	-41.1	-13.0	-28.1	
5137.20	-12.8	H	3.0	35.4	1.0	-47.2	-13.0	-34.2	
6849.60	-25.8	H	3.0	35.7	1.0	-60.4	-13.0	-47.4	
Mid Ch, 1732.6									
3465.20	-31.2	V	3.0	36.0	1.0	-66.2	-13.0	-53.2	
5197.80	-28.3	V	3.0	35.4	1.0	-62.7	-13.0	-49.7	
6930.40	-26.7	V	3.0	35.7	1.0	-61.3	-13.0	-48.3	
3465.20	-2.8	H	3.0	36.0	1.0	-37.8	-13.0	-24.8	
5197.80	-8.1	H	3.0	35.4	1.0	-42.5	-13.0	-29.5	
6930.40	-24.8	H	3.0	35.7	1.0	-59.4	-13.0	-46.4	
High Ch, 1752.6									
3505.20	-5.5	V	3.0	36.0	1.0	-40.5	-13.0	-27.5	
5257.80	1.4	V	3.0	35.4	1.0	-33.0	-13.0	-20.0	
7010.40	3.5	V	3.0	35.7	1.0	-31.2	-13.0	-18.2	
3505.20	3.4	H	3.0	36.0	1.0	-31.6	-13.0	-18.6	
5257.80	3.9	H	3.0	35.4	1.0	-30.6	-13.0	-17.6	
7010.40	5.8	H	3.0	35.7	1.0	-28.9	-13.0	-15.9	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Project #: 15I21552 Date: 8/27/2015 Test Engineer: D. Mun & J. Ko Configuration: EUT + Earphones + AC Adapter Location: Chamber B Mode: 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
Low Ch, 1712.4									
3424.80	-34.1	V	3.0	36.1	1.0	-69.2	-13.0	-56.2	
5137.20	-26.6	V	3.0	35.4	1.0	-61.1	-13.0	-48.1	
6849.60	-25.6	V	3.0	35.7	1.0	-60.2	-13.0	-47.2	
3424.80	-8.0	H	3.0	36.1	1.0	-43.0	-13.0	-30.0	
5137.20	-12.7	H	3.0	35.4	1.0	-47.2	-13.0	-34.2	
6849.60	-25.0	H	3.0	35.7	1.0	-59.6	-13.0	-46.6	
Mid Ch, 1732.6									
3465.20	-30.2	V	3.0	36.0	1.0	-65.2	-13.0	-52.2	
5197.80	-27.4	V	3.0	35.4	1.0	-61.9	-13.0	-48.9	
6930.40	-25.6	V	3.0	35.7	1.0	-60.3	-13.0	-47.3	
3465.20	-3.7	H	3.0	36.0	1.0	-38.7	-13.0	-25.7	
5197.80	-7.2	H	3.0	35.4	1.0	-41.6	-13.0	-28.6	
6930.40	-24.2	H	3.0	35.7	1.0	-58.9	-13.0	-45.9	
High Ch, 1752.6									
3505.20	-5.6	V	3.0	36.0	1.0	-40.6	-13.0	-27.6	
5257.80	2.6	V	3.0	35.4	1.0	-31.8	-13.0	-18.8	
7010.40	-6.5	V	3.0	35.7	1.0	-41.2	-13.0	-28.2	
3505.20	-7.3	H	3.0	36.0	1.0	-42.3	-13.0	-29.3	
5257.80	3.2	H	3.0	35.4	1.0	-31.2	-13.0	-18.2	
7010.40	6.7	H	3.0	35.7	1.0	-28.0	-13.0	-15.0	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Project #: 15I21552 Date: 8/27/2015 Test Engineer: D. Mun & J. Ko Configuration: EUT + Earphones + AC Adapter Location: Chamber B Mode: HSDPA Band 5 Harmonics									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 826.4									
1652.80	-4.7	V	3.0	37.0	1.0	-40.8	-13.0	-27.8	
2479.20	-19.7	V	3.0	36.4	1.0	-55.1	-13.0	-42.1	
3305.60	-22.0	V	3.0	36.1	1.0	-57.2	-13.0	-44.2	
1652.80	-7.6	H	3.0	37.0	1.0	-43.6	-13.0	-30.6	
2479.20	-25.2	H	3.0	36.4	1.0	-60.6	-13.0	-47.6	
3305.60	-22.4	H	3.0	36.1	1.0	-57.6	-13.0	-44.6	
Mid Ch, 836.6									
1673.20	-10.8	V	3.0	37.0	1.0	-46.8	-13.0	-33.8	
2509.80	-23.8	V	3.0	36.4	1.0	-59.2	-13.0	-46.2	
3346.40	-21.6	V	3.0	36.1	1.0	-56.7	-13.0	-43.7	
1673.20	-15.7	H	3.0	37.0	1.0	-51.7	-13.0	-38.7	
2509.80	-25.4	H	3.0	36.4	1.0	-60.8	-13.0	-47.8	
3346.40	-22.0	H	3.0	36.1	1.0	-57.1	-13.0	-44.1	
High Ch, 846.6									
1693.20	-17.2	V	3.0	37.0	1.0	-53.2	-13.0	-40.2	
2539.80	-24.5	V	3.0	36.4	1.0	-59.9	-13.0	-46.9	
3386.40	-21.7	V	3.0	36.1	1.0	-56.8	-13.0	-43.8	
1693.20	-9.9	H	3.0	37.0	1.0	-45.9	-13.0	-32.9	
2539.80	-25.7	H	3.0	36.4	1.0	-61.1	-13.0	-48.1	
3386.40	-22.0	H	3.0	36.1	1.0	-57.1	-13.0	-44.1	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Project #: 15I21552 Date: 8/27/2015 Test Engineer: D. Mun & J. Ko Configuration: EUT + Earphones + AC Adapter Location: Chamber B Mode: Rel99 Band 5 Harmonics									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 826.4									
1652.80	1.3	V	3.0	37.0	1.0	-34.7	-13.0	-21.7	
2479.20	-15.4	V	3.0	36.4	1.0	-50.9	-13.0	-37.9	
3305.60	-22.1	V	3.0	36.1	1.0	-57.3	-13.0	-44.3	
1652.80	-0.7	H	3.0	37.0	1.0	-36.8	-13.0	-23.8	
2479.20	-20.6	H	3.0	36.4	1.0	-56.1	-13.0	-43.1	
3305.60	-22.4	H	3.0	36.1	1.0	-57.5	-13.0	-44.5	
Mid Ch, 836.6									
1673.20	-12.5	V	3.0	37.0	1.0	-48.5	-13.0	-35.5	
2509.80	-23.3	V	3.0	36.4	1.0	-58.7	-13.0	-45.7	
3346.40	-21.9	V	3.0	36.1	1.0	-57.0	-13.0	-44.0	
1673.20	-16.0	H	3.0	37.0	1.0	-52.0	-13.0	-39.0	
2509.80	-26.0	H	3.0	36.4	1.0	-61.4	-13.0	-48.4	
3346.40	-22.0	H	3.0	36.1	1.0	-57.1	-13.0	-44.1	
High Ch, 846.6									
1693.20	-12.2	V	3.0	37.0	1.0	-48.2	-13.0	-35.2	
2539.80	-23.8	V	3.0	36.4	1.0	-59.2	-13.0	-46.2	
3386.40	-22.2	V	3.0	36.1	1.0	-57.3	-13.0	-44.3	
1693.20	-9.6	H	3.0	37.0	1.0	-45.6	-13.0	-32.6	
2539.80	-26.1	H	3.0	36.4	1.0	-61.5	-13.0	-48.5	
3386.40	-22.3	H	3.0	36.1	1.0	-57.4	-13.0	-44.4	

LTE Band 2

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/31/2015 Test Engineer: Charles Vergonio Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_16QAM Band 2 Harmonics, 20MHz Bandwidth										
Band LTE2 20MHz 16QAM	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									
	3703.00	-13.5	V	3.0	35.9	1.0	-48.4	-13.0	-35.4	
	5554.50	-14.5	V	3.0	35.5	1.0	-49.0	-13.0	-36.0	
	7406.00	-11.5	V	3.0	35.7	1.0	-46.3	-13.0	-33.3	
	3703.00	-17.1	H	3.0	35.9	1.0	-52.0	-13.0	-39.0	
	5554.50	-13.9	H	3.0	35.5	1.0	-48.4	-13.0	-35.4	
	7406.00	-11.7	H	3.0	35.7	1.0	-46.4	-13.0	-33.4	
	Mid Ch, 1880									
	3760.00	-18.7	V	3.0	35.8	1.0	-53.5	-13.0	-40.5	
	5640.00	-14.4	V	3.0	35.5	1.0	-48.9	-13.0	-35.9	
	7520.00	-12.6	V	3.0	35.7	1.0	-47.3	-13.0	-34.3	
	3760.00	-18.6	H	3.0	35.8	1.0	-53.5	-13.0	-40.5	
	5640.00	-13.8	H	3.0	35.5	1.0	-48.3	-13.0	-35.3	
	7520.00	-12.2	H	3.0	35.7	1.0	-47.0	-13.0	-34.0	
	High Ch, 1908.5									
	3817.00	-17.3	V	3.0	35.8	1.0	-52.0	-13.0	-39.0	
	5725.50	-14.0	V	3.0	35.5	1.0	-48.5	-13.0	-35.5	
	7634.00	-12.2	V	3.0	35.8	1.0	-47.0	-13.0	-34.0	
	3817.00	-17.6	H	3.0	35.8	1.0	-52.4	-13.0	-39.4	
	5725.50	-13.6	H	3.0	35.5	1.0	-48.1	-13.0	-35.1	
	7634.00	-11.4	H	3.0	35.8	1.0	-46.1	-13.0	-33.1	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/31/2015 Test Engineer: Charles Vergonio Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: 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
Low Ch, 1851.5									
3703.00	-13.4	V	3.0	35.9	1.0	-48.3	-13.0	-35.3	
5554.50	-14.3	V	3.0	35.5	1.0	-48.8	-13.0	-35.8	
7406.00	-11.4	V	3.0	35.7	1.0	-46.2	-13.0	-33.2	
3703.00	-16.8	H	3.0	35.9	1.0	-51.6	-13.0	-38.6	
5554.50	-13.8	H	3.0	35.5	1.0	-48.3	-13.0	-35.3	
7406.00	-11.7	H	3.0	35.7	1.0	-46.4	-13.0	-33.4	
Mid Ch, 1880									
3760.00	-18.6	V	3.0	35.8	1.0	-53.4	-13.0	-40.4	
5640.00	-14.1	V	3.0	35.5	1.0	-48.6	-13.0	-35.6	
7520.00	-12.2	V	3.0	35.7	1.0	-46.9	-13.0	-33.9	
3760.00	-18.7	H	3.0	35.8	1.0	-53.5	-13.0	-40.5	
5640.00	-13.5	H	3.0	35.5	1.0	-48.0	-13.0	-35.0	
7520.00	-12.2	H	3.0	35.7	1.0	-46.9	-13.0	-33.9	
High Ch, 1908.5									
3817.00	-17.1	V	3.0	35.8	1.0	-51.8	-13.0	-38.8	
5725.50	-14.1	V	3.0	35.5	1.0	-48.6	-13.0	-35.6	
7634.00	-12.1	V	3.0	35.8	1.0	-46.9	-13.0	-33.9	
3817.00	-17.4	H	3.0	35.8	1.0	-52.2	-13.0	-39.2	
5725.50	-13.3	H	3.0	35.5	1.0	-47.8	-13.0	-34.8	
7634.00	-11.0	H	3.0	35.8	1.0	-45.8	-13.0	-32.8	

LTE Band 4

UL Verification Services, Inc.										
Above 1GHz High Frequency Substitution Measurement										
Company:		LG								
Project #:		15I21552								
Date:		8/27/2015								
Test Engineer:		Jude Semana								
Configuration:		EUT + AC Adapter + HS								
Location:		Chamber C								
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
Band	Low Ch, 1720									
	3440.00	-15.3	V	3.0	36.0	1.0	-50.4	-13.0	-37.4	
	5160.00	-11.5	V	3.0	35.4	1.0	-45.9	-13.0	-32.9	
LTE4	6880.00	-11.6	V	3.0	35.7	1.0	-46.3	-13.0	-33.3	
	3440.00	-14.7	H	3.0	36.0	1.0	-49.8	-13.0	-36.8	
	5160.00	-11.1	H	3.0	35.4	1.0	-45.5	-13.0	-32.5	
20MHz	6880.00	-9.7	H	3.0	35.7	1.0	-44.4	-13.0	-31.4	
16QAM	Mid Ch, 1732.5									
	3465.00	-15.0	V	3.0	36.0	1.0	-50.1	-13.0	-37.1	
	5197.50	-11.5	V	3.0	35.4	1.0	-46.0	-13.0	-33.0	
	6930.00	-10.3	V	3.0	35.7	1.0	-45.0	-13.0	-32.0	
	3465.00	-14.2	H	3.0	36.0	1.0	-49.3	-13.0	-36.3	
	5197.50	-10.9	H	3.0	35.4	1.0	-45.3	-13.0	-32.3	
	6930.00	-9.9	H	3.0	35.7	1.0	-44.6	-13.0	-31.6	
	High Ch, 1745									
	3490.00	-15.5	V	3.0	36.0	1.0	-50.6	-13.0	-37.6	
	5235.00	-11.5	V	3.0	35.4	1.0	-45.9	-13.0	-32.9	
	6980.00	-11.5	V	3.0	35.7	1.0	-46.2	-13.0	-33.2	
	3490.00	-14.9	H	3.0	36.0	1.0	-49.9	-13.0	-36.9	
5235.00	-11.6	H	3.0	35.4	1.0	-46.0	-13.0	-33.0		
6980.00	-10.2	H	3.0	35.7	1.0	-44.9	-13.0	-31.9		

LTE Band 5

UL Verification Services, Inc.										
Above 1GHz High Frequency Substitution Measurement										
Company:		LG								
Project #:		15I21552								
Date:		8/27/2015								
Test Engineer:		Jude Semana								
Configuration:		EUT + AC Adapter + HS								
Location:		Chamber C								
Mode:		LTE_16QAM Band 5 Harmonics, 10MHz Bandwidth								
Band	f	SG reading	Ant. Pol.	Distance	Preamp	Filter	EIRP	Limit	Delta	Notes
	MHz	(dBm)	(H/V)	(m)	(dB)	(dB)	(dBm)	(dBm)	(dB)	
LTE5	Low Ch, 829									
	1658.00	-24.5	V	3.0	37.0	1.0	-60.5	-13.0	-47.5	
	2487.00	-21.4	V	3.0	36.4	1.0	-56.8	-13.0	-43.8	
10MHz	3316.00	-21.0	V	3.0	36.2	1.0	-56.2	-13.0	-43.2	
	1658.00	-25.2	H	3.0	37.0	1.0	-61.2	-13.0	-48.2	
16QAM	2487.00	-23.1	H	3.0	36.4	1.0	-58.5	-13.0	-45.5	
	3316.00	-20.8	H	3.0	36.2	1.0	-56.0	-13.0	-43.0	
	Mid Ch, 836.5									
	1673.00	-24.5	V	3.0	37.0	1.0	-60.5	-13.0	-47.5	
	2509.50	-20.9	V	3.0	36.4	1.0	-56.3	-13.0	-43.3	
	3346.00	-21.1	V	3.0	36.1	1.0	-56.3	-13.0	-43.3	
	1673.00	-24.4	H	3.0	37.0	1.0	-60.4	-13.0	-47.4	
	2509.50	-22.5	H	3.0	36.4	1.0	-57.9	-13.0	-44.9	
	3346.00	-20.5	H	3.0	36.1	1.0	-55.6	-13.0	-42.6	
	High Ch, 844									
	1688.00	-24.5	V	3.0	37.0	1.0	-60.5	-13.0	-47.5	
	2532.00	-21.0	V	3.0	36.4	1.0	-56.4	-13.0	-43.4	
	3376.00	-17.8	V	3.0	36.1	1.0	-52.9	-13.0	-39.9	
	1688.00	-24.6	H	3.0	37.0	1.0	-60.5	-13.0	-47.5	
	2532.00	-22.6	H	3.0	36.4	1.0	-58.0	-13.0	-45.0	
	3376.00	-21.5	H	3.0	36.1	1.0	-56.6	-13.0	-43.6	

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_QPSK Band 7 Harmonics, 20MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2510 5020.00 -17.0 V 3.0 35.5 1.0 -51.5 -25.0 -26.5 7530.00 -12.9 V 3.0 35.7 1.0 -47.7 -25.0 -22.7 10040.00 -9.8 V 3.0 36.0 1.0 -44.8 -25.0 -19.8 5020.00 -16.0 H 3.0 35.5 1.0 -50.5 -25.0 -25.5 7530.00 -11.5 H 3.0 35.7 1.0 -46.2 -25.0 -21.2 10040.00 -9.5 H 3.0 36.0 1.0 -44.5 -25.0 -19.5 Mid Ch, 2535 5070.00 -16.9 V 3.0 35.4 1.0 -51.4 -25.0 -26.4 7605.00 -13.1 V 3.0 35.8 1.0 -47.9 -25.0 -22.9 10140.00 -9.8 V 3.0 36.0 1.0 -44.8 -25.0 -19.8 5070.00 -16.2 H 3.0 35.4 1.0 -50.6 -25.0 -25.6 7605.00 -11.5 H 3.0 35.8 1.0 -46.2 -25.0 -21.2 10140.00 -9.3 H 3.0 36.0 1.0 -44.2 -25.0 -19.2 High Ch, 2560 5120.00 -15.9 V 3.0 35.4 1.0 -50.4 -25.0 -25.4 7680.00 -12.2 V 3.0 35.8 1.0 -47.0 -25.0 -22.0 10240.00 -6.4 V 3.0 35.9 1.0 -41.4 -25.0 -16.4 5120.00 -15.9 H 3.0 35.4 1.0 -50.3 -25.0 -25.3 7680.00 -11.1 H 3.0 35.8 1.0 -45.8 -25.0 -20.8 10240.00 -8.1 H 3.0 35.9 1.0 -43.0 -25.0 -18.0									

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: 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 5015.00 -17.1 V 3.0 35.5 1.0 -51.6 -25.0 -26.6 7522.50 -12.6 V 3.0 35.7 1.0 -47.3 -25.0 -22.3 10030.00 -10.4 V 3.0 36.0 1.0 -45.4 -25.0 -20.4 5015.00 -16.2 H 3.0 35.5 1.0 -50.7 -25.0 -25.7 7522.50 -10.6 H 3.0 35.7 1.0 -45.4 -25.0 -20.4 10030.00 -9.3 H 3.0 36.0 1.0 -44.3 -25.0 -19.3 Mid Ch, 2535 5070.00 -17.1 V 3.0 35.4 1.0 -51.6 -25.0 -26.6 7605.00 -12.5 V 3.0 35.8 1.0 -47.3 -25.0 -22.3 10140.00 -10.3 V 3.0 36.0 1.0 -45.3 -25.0 -20.3 5070.00 -16.0 H 3.0 35.4 1.0 -50.5 -25.0 -25.5 7605.00 -11.3 H 3.0 35.8 1.0 -46.1 -25.0 -21.1 10140.00 -9.5 H 3.0 36.0 1.0 -44.5 -25.0 -19.5 High Ch, 2562.5 5125.00 -16.7 V 3.0 35.4 1.0 -51.1 -25.0 -26.1 7687.50 -11.0 V 3.0 35.8 1.0 -45.8 -25.0 -20.8 10250.00 -5.9 V 3.0 35.9 1.0 -40.8 -25.0 -15.8 5125.00 -16.1 H 3.0 35.4 1.0 -50.5 -25.0 -25.5 7687.50 -10.6 H 3.0 35.8 1.0 -45.3 -25.0 -20.3 10250.00 -9.4 H 3.0 35.9 1.0 -44.3 -25.0 -19.3									

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_QPSK Band 7 Harmonics, 15MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2507.5									
LTE7	5015.00	-17.0	V	3.0	35.5	1.0	-51.4	-25.0	-26.4	
	7522.50	-12.6	V	3.0	35.7	1.0	-47.3	-25.0	-22.3	
15MHz	10030.00	-10.4	V	3.0	36.0	1.0	-45.4	-25.0	-20.4	
	5015.00	-16.3	H	3.0	35.5	1.0	-50.8	-25.0	-25.8	
QPSK	7522.50	-10.5	H	3.0	35.7	1.0	-45.2	-25.0	-20.2	
	10030.00	-9.5	H	3.0	36.0	1.0	-44.5	-25.0	-19.5	
	Mid Ch, 2535									
	5070.00	-16.0	V	3.0	35.4	1.0	-50.4	-25.0	-25.4	
	7605.00	-12.0	V	3.0	35.8	1.0	-46.7	-25.0	-21.7	
	10140.00	-10.3	V	3.0	36.0	1.0	-45.3	-25.0	-20.3	
	5070.00	-15.2	H	3.0	35.4	1.0	-49.6	-25.0	-24.6	
	7605.00	-11.2	H	3.0	35.8	1.0	-45.9	-25.0	-20.9	
	10140.00	-9.3	H	3.0	36.0	1.0	-44.3	-25.0	-19.3	
	High Ch, 2562.5									
	5125.00	-15.5	V	3.0	35.4	1.0	-49.9	-25.0	-24.9	
	7687.50	-12.1	V	3.0	35.8	1.0	-46.9	-25.0	-21.9	
	10250.00	-5.2	V	3.0	35.9	1.0	-40.1	-25.0	-15.1	
	5125.00	-15.6	H	3.0	35.4	1.0	-50.1	-25.0	-25.1	
	7687.50	-11.0	H	3.0	35.8	1.0	-45.7	-25.0	-20.7	
	10250.00	-9.1	H	3.0	35.9	1.0	-44.0	-25.0	-19.0	

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_16QAM Band 7 Harmonics, 10MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2505									
LTE7	5010.00	-16.9	V	3.0	35.5	1.0	-51.4	-25.0	-26.4	
	7515.00	-12.8	V	3.0	35.7	1.0	-47.6	-25.0	-22.6	
10MHz	10020.00	-10.2	V	3.0	36.0	1.0	-45.3	-25.0	-20.3	
	5010.00	-16.2	H	3.0	35.5	1.0	-50.7	-25.0	-25.7	
16QAM	7515.00	-10.4	H	3.0	35.7	1.0	-45.2	-25.0	-20.2	
	10020.00	-9.4	H	3.0	36.0	1.0	-44.4	-25.0	-19.4	
	Mid Ch, 2535									
	5070.00	-17.4	V	3.0	35.4	1.0	-51.9	-25.0	-26.9	
	7605.00	-13.0	V	3.0	35.8	1.0	-47.7	-25.0	-22.7	
	10140.00	-9.0	V	3.0	36.0	1.0	-44.0	-25.0	-19.0	
	5070.00	-16.4	H	3.0	35.4	1.0	-50.9	-25.0	-25.9	
	7605.00	-11.7	H	3.0	35.8	1.0	-46.5	-25.0	-21.5	
	10140.00	-9.9	H	3.0	36.0	1.0	-44.9	-25.0	-19.9	
	High Ch, 2565									
	5130.00	-15.4	V	3.0	35.4	1.0	-49.9	-25.0	-24.9	
	7695.00	-11.2	V	3.0	35.8	1.0	-46.0	-25.0	-21.0	
	10260.00	-5.6	V	3.0	35.9	1.0	-40.5	-25.0	-15.5	
	5130.00	-15.7	H	3.0	35.4	1.0	-50.1	-25.0	-25.1	
	7695.00	-10.7	H	3.0	35.8	1.0	-45.5	-25.0	-20.5	
	10260.00	-8.1	H	3.0	35.9	1.0	-43.0	-25.0	-18.0	

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_QPSK Band 7 Harmonics, 10MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE7 10MHz QPSK	Low Ch, 2505									
	5010.00	-16.9	V	3.0	35.5	1.0	-51.3	-25.0	-26.3	
	7515.00	-13.0	V	3.0	35.7	1.0	-47.7	-25.0	-22.7	
	10020.00	-9.5	V	3.0	36.0	1.0	-44.6	-25.0	-19.6	
	5010.00	-16.1	H	3.0	35.5	1.0	-50.5	-25.0	-25.5	
	7515.00	-10.1	H	3.0	35.7	1.0	-44.8	-25.0	-19.8	
	10020.00	-9.3	H	3.0	36.0	1.0	-44.3	-25.0	-19.3	
	Mid Ch, 2535									
	5070.00	-16.9	V	3.0	35.4	1.0	-51.3	-25.0	-26.3	
	7605.00	-12.6	V	3.0	35.8	1.0	-47.4	-25.0	-22.4	
	10140.00	-9.3	V	3.0	36.0	1.0	-44.2	-25.0	-19.2	
	5070.00	-16.2	H	3.0	35.4	1.0	-50.7	-25.0	-25.7	
	7605.00	-11.9	H	3.0	35.8	1.0	-46.7	-25.0	-21.7	
	10140.00	-9.7	H	3.0	36.0	1.0	-44.7	-25.0	-19.7	
	High Ch, 2565									
	5130.00	-15.7	V	3.0	35.4	1.0	-50.1	-25.0	-25.1	
	7695.00	-11.8	V	3.0	35.8	1.0	-46.5	-25.0	-21.5	
	10260.00	-5.9	V	3.0	35.9	1.0	-40.8	-25.0	-15.8	
	5130.00	-15.3	H	3.0	35.4	1.0	-49.7	-25.0	-24.7	
	7695.00	-10.4	H	3.0	35.8	1.0	-45.2	-25.0	-20.2	
	10260.00	-8.5	H	3.0	35.9	1.0	-43.4	-25.0	-18.4	

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_16QAM Band 7 Harmonics, 5MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2502.5 5005.00 -16.9 V 3.0 35.5 1.0 -51.4 -25.0 -26.4 7507.50 -12.4 V 3.0 35.7 1.0 -47.2 -25.0 -22.2 10010.00 -10.5 V 3.0 36.0 1.0 -45.6 -25.0 -20.6 5005.00 -15.9 H 3.0 35.5 1.0 -50.4 -25.0 -25.4 7507.50 -10.3 H 3.0 35.7 1.0 -45.0 -25.0 -20.0 10010.00 -9.8 H 3.0 36.0 1.0 -44.8 -25.0 -19.8 Mid Ch, 2535 5070.00 -16.2 V 3.0 35.4 1.0 -50.6 -25.0 -25.6 7605.00 -11.7 V 3.0 35.8 1.0 -46.5 -25.0 -21.5 10140.00 -9.7 V 3.0 36.0 1.0 -44.6 -25.0 -19.6 5070.00 -16.3 H 3.0 35.4 1.0 -50.8 -25.0 -25.8 7605.00 -11.7 H 3.0 35.8 1.0 -46.5 -25.0 -21.5 10140.00 -9.6 H 3.0 36.0 1.0 -44.6 -25.0 -19.6 High Ch, 2567.5 5135.00 -15.6 V 3.0 35.4 1.0 -50.0 -25.0 -25.0 7702.50 -11.1 V 3.0 35.8 1.0 -45.8 -25.0 -20.8 10270.00 -4.1 V 3.0 35.9 1.0 -39.0 -25.0 -14.0 5135.00 -15.0 H 3.0 35.4 1.0 -49.5 -25.0 -24.5 7702.50 -10.0 H 3.0 35.8 1.0 -44.7 -25.0 -19.7 10270.00 -7.9 H 3.0 35.9 1.0 -42.8 -25.0 -17.8									

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_QPSK Band 7 Harmonics, 5MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2502.5									
	5005.00	-17.1	V	3.0	35.5	1.0	-51.6	-25.0	-26.6	
	7507.50	-13.1	V	3.0	35.7	1.0	-47.9	-25.0	-22.9	
	10010.00	-9.8	V	3.0	36.0	1.0	-44.8	-25.0	-19.8	
	5005.00	-16.1	H	3.0	35.5	1.0	-50.5	-25.0	-25.5	
	7507.50	-10.2	H	3.0	35.7	1.0	-44.9	-25.0	-19.9	
	10010.00	-10.0	H	3.0	36.0	1.0	-45.0	-25.0	-20.0	
	Mid Ch, 2535									
	5070.00	-17.5	V	3.0	35.4	1.0	-51.9	-25.0	-26.9	
	7605.00	-11.9	V	3.0	35.8	1.0	-46.7	-25.0	-21.7	
	10140.00	-9.5	V	3.0	36.0	1.0	-44.5	-25.0	-19.5	
	5070.00	-16.1	H	3.0	35.4	1.0	-50.6	-25.0	-25.6	
	7605.00	-11.5	H	3.0	35.8	1.0	-46.2	-25.0	-21.2	
	10140.00	-9.6	H	3.0	36.0	1.0	-44.6	-25.0	-19.6	
	High Ch, 2567.5									
	5135.00	-14.8	V	3.0	35.4	1.0	-49.3	-25.0	-24.3	
	7702.50	-10.8	V	3.0	35.8	1.0	-45.6	-25.0	-20.6	
	10270.00	-2.6	V	3.0	35.9	1.0	-37.5	-25.0	-12.5	
	5135.00	-13.7	H	3.0	35.4	1.0	-48.1	-25.0	-23.1	
	7702.50	-9.2	H	3.0	35.8	1.0	-44.0	-25.0	-19.0	
	10270.00	-7.0	H	3.0	35.9	1.0	-41.9	-25.0	-16.9	

UL Verification Services, Inc Above 1GHz High Frequency Substitution Measurement										
Company:		LG								
Project #:		15I21552								
Date:		8/27/2015								
Test Engineer:		Jude Semana								
Configuration:		EUT + Charger + Headset								
Location:		Chamber C								
Mode:		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
	Low Ch, 706.5									
	1413.00	-26.8	V	3.0	37.4	1.0	-63.1	-13.0	-50.1	
	2119.50	-20.3	V	3.0	36.6	1.0	-55.9	-13.0	-42.9	
	2826.00	-18.0	V	3.0	36.4	1.0	-53.4	-13.0	-40.4	
	5MHz									
	1413.00	-27.9	H	3.0	37.4	1.0	-64.3	-13.0	-51.3	
	2119.50	-21.4	H	3.0	36.6	1.0	-56.9	-13.0	-43.9	
	16QAM									
	2826.00	-18.6	H	3.0	36.4	1.0	-54.0	-13.0	-41.0	
	Mid Ch, 710									
	1420.00	-27.9	V	3.0	37.3	1.0	-64.3	-13.0	-51.3	
	2130.00	-20.4	V	3.0	36.6	1.0	-56.0	-13.0	-43.0	
	2840.00	-18.2	V	3.0	36.4	1.0	-53.5	-13.0	-40.5	
	1420.00	-27.5	H	3.0	37.3	1.0	-63.8	-13.0	-50.8	
	2130.00	-20.4	H	3.0	36.6	1.0	-56.0	-13.0	-43.0	
	2840.00	-19.0	H	3.0	36.4	1.0	-54.4	-13.0	-41.4	
	High Ch, 713.5									
	1427.00	-27.2	V	3.0	37.3	1.0	-63.5	-13.0	-50.5	
	2140.50	-18.8	V	3.0	36.6	1.0	-54.4	-13.0	-41.4	
	2854.00	-19.1	V	3.0	36.4	1.0	-54.5	-13.0	-41.5	
	1427.00	-27.7	H	3.0	37.3	1.0	-64.0	-13.0	-51.0	
	2140.50	-20.5	H	3.0	36.6	1.0	-56.0	-13.0	-43.0	
	2854.00	-19.7	H	3.0	36.4	1.0	-55.1	-13.0	-42.1	
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Band LTE26 10MHz 16QAM	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: LG Project #: 15I21552 Date: 8/27/2015 Test Engineer: Jude Semana Configuration: EUT + AC Adapter + HS Location: Chamber C Mode: 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	-24.5	V	3.0	37.0	1.0	-60.5	-13.0	-47.5	
	2457.00	-18.8	V	3.0	36.4	1.0	-54.2	-13.0	-41.2	
	3276.00	-19.8	V	3.0	36.2	1.0	-54.9	-13.0	-41.9	
	1638.00	-26.0	H	3.0	37.0	1.0	-62.0	-13.0	-49.0	
	2457.00	-21.0	H	3.0	36.4	1.0	-56.5	-13.0	-43.5	
	3276.00	-20.1	H	3.0	36.2	1.0	-55.3	-13.0	-42.3	
	Mid Ch, 831.5									
	1663.00	-24.4	V	3.0	37.0	1.0	-60.4	-13.0	-47.4	
	2494.50	-19.0	V	3.0	36.4	1.0	-54.4	-13.0	-41.4	
	3326.00	-19.7	V	3.0	36.1	1.0	-54.9	-13.0	-41.9	
	1663.00	-25.3	H	3.0	37.0	1.0	-61.3	-13.0	-48.3	
	2494.50	-21.0	H	3.0	36.4	1.0	-56.4	-13.0	-43.4	
	3326.00	-19.8	H	3.0	36.1	1.0	-55.0	-13.0	-42.0	
	High Ch, 844									
	1688.00	-24.8	V	3.0	37.0	1.0	-60.8	-13.0	-47.8	
	2532.00	-18.4	V	3.0	36.4	1.0	-53.8	-13.0	-40.8	
	3376.00	-20.2	V	3.0	36.1	1.0	-55.3	-13.0	-42.3	
	1688.00	-25.2	H	3.0	37.0	1.0	-61.2	-13.0	-48.2	
	2532.00	-20.6	H	3.0	36.4	1.0	-56.0	-13.0	-43.0	
	3376.00	-20.3	H	3.0	36.1	1.0	-55.4	-13.0	-42.4	

[illegible]

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_QPSK Band 41 Harmonics, 20MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE41	Low Ch, 2506									
	5012.00	-16.8	V	3.0	35.5	1.0	-51.3	-25.0	-26.3	
20MHz	7518.00	-11.7	V	3.0	35.7	1.0	-46.4	-25.0	-21.4	
	10024.00	-8.6	V	3.0	36.0	1.0	-43.6	-25.0	-18.6	
QPSK	5012.00	-17.0	H	3.0	35.5	1.0	-51.4	-25.0	-26.4	
	7518.00	-12.1	H	3.0	35.7	1.0	-46.9	-25.0	-21.9	
	10024.00	-7.8	H	3.0	36.0	1.0	-42.8	-25.0	-17.8	
	Mid Ch, 2593									
	5186.00	-16.9	V	3.0	35.4	1.0	-51.3	-25.0	-26.3	
	7779.00	-11.6	V	3.0	35.8	1.0	-46.4	-25.0	-21.4	
	10372.00	-4.5	V	3.0	35.8	1.0	-39.3	-25.0	-14.3	
	5186.00	-16.2	H	3.0	35.4	1.0	-50.6	-25.0	-25.6	
	7779.00	-11.3	H	3.0	35.8	1.0	-46.1	-25.0	-21.1	
	10372.00	-5.9	H	3.0	35.8	1.0	-40.7	-25.0	-15.7	
	High Ch, 2680									
	5360.00	-16.6	V	3.0	35.4	1.0	-51.0	-25.0	-26.0	
	8040.00	-12.3	V	3.0	35.8	1.0	-47.1	-25.0	-22.1	
	10720.00	-4.5	V	3.0	35.7	1.0	-39.2	-25.0	-14.2	
	5360.00	-16.1	H	3.0	35.4	1.0	-50.5	-25.0	-25.5	
	8040.00	-11.3	H	3.0	35.8	1.0	-46.1	-25.0	-21.1	
	10720.00	-4.8	H	3.0	35.7	1.0	-39.5	-25.0	-14.5	

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_16QAM Band 41 Harmonics, 15MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2503.5									
LTE41	5007.00	-17.3	V	3.0	35.5	1.0	-51.8	-25.0	-26.8	
	7510.50	-10.3	V	3.0	35.7	1.0	-45.0	-25.0	-20.0	
15MHz	10014.00	-8.8	V	3.0	36.0	1.0	-43.8	-25.0	-18.8	
	5007.00	-17.0	H	3.0	35.5	1.0	-51.4	-25.0	-26.4	
16QAM	7510.50	-12.1	H	3.0	35.7	1.0	-46.8	-25.0	-21.8	
	10014.00	-6.4	H	3.0	36.0	1.0	-41.5	-25.0	-16.5	
	Mid Ch, 2593									
	5186.00	-16.6	V	3.0	35.4	1.0	-51.0	-25.0	-26.0	
	7779.00	-12.3	V	3.0	35.8	1.0	-47.1	-25.0	-22.1	
	10372.00	-3.0	V	3.0	35.8	1.0	-37.9	-25.0	-12.9	
	5186.00	114.5	H	3.0	35.4	1.0	80.0	-25.0	105.0	
	7779.00	-11.4	H	3.0	35.8	1.0	-46.2	-25.0	-21.2	
	10372.00	-5.2	H	3.0	35.8	1.0	-40.1	-25.0	-15.1	
	High Ch, 2682.5									
	5365.00	-16.2	V	3.0	35.4	1.0	-50.6	-25.0	-25.6	
	8047.50	-12.4	V	3.0	35.8	1.0	-47.2	-25.0	-22.2	
	10730.00	-1.7	V	3.0	35.7	1.0	-36.4	-25.0	-11.4	
	5365.00	-15.6	H	3.0	35.4	1.0	-50.1	-25.0	-25.1	
	8047.50	-12.0	H	3.0	35.8	1.0	-46.8	-25.0	-21.8	
	10730.00	-4.6	H	3.0	35.7	1.0	-39.3	-25.0	-14.3	

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: 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
LTE41 15MHz QPSK	Low Ch, 2503.5									
	5007.00	-17.2	V	3.0	35.5	1.0	-51.7	-25.0	-26.7	
	7510.50	-11.0	V	3.0	35.7	1.0	-45.7	-25.0	-20.7	
	10014.00	-9.1	V	3.0	36.0	1.0	-44.2	-25.0	-19.2	
	5007.00	-17.3	H	3.0	35.5	1.0	-51.7	-25.0	-26.7	
	7510.50	-11.8	H	3.0	35.7	1.0	-46.5	-25.0	-21.5	
	10014.00	-7.9	H	3.0	36.0	1.0	-42.9	-25.0	-17.9	
	Mid Ch, 2593									
	5186.00	-15.9	V	3.0	35.4	1.0	-50.3	-25.0	-25.3	
	7779.00	-12.3	V	3.0	35.8	1.0	-47.0	-25.0	-22.0	
	10372.00	-5.1	V	3.0	35.8	1.0	-39.9	-25.0	-14.9	
	5186.00	-16.4	H	3.0	35.4	1.0	-50.8	-25.0	-25.8	
	7779.00	-11.3	H	3.0	35.8	1.0	-46.0	-25.0	-21.0	
	10372.00	-7.3	H	3.0	35.8	1.0	-42.2	-25.0	-17.2	
	High Ch, 2682.5									
	5365.00	-16.7	V	3.0	35.4	1.0	-51.1	-25.0	-26.1	
	8047.50	-12.0	V	3.0	35.8	1.0	-46.8	-25.0	-21.8	
	10730.00	-2.3	V	3.0	35.7	1.0	-36.9	-25.0	-11.9	
	5365.00	-15.6	H	3.0	35.4	1.0	-50.0	-25.0	-25.0	
	8047.50	-10.6	H	3.0	35.8	1.0	-45.4	-25.0	-20.4	
	10730.00	-7.0	H	3.0	35.7	1.0	-41.6	-25.0	-16.6	

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_16QAM Band 41 Harmonics, 10MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2501									
LTE41	5002.00	-17.2	V	3.0	35.5	1.0	-51.7	-25.0	-26.7	
	7503.00	-10.4	V	3.0	35.7	1.0	-45.2	-25.0	-20.2	
10MHz	10004.00	-8.2	V	3.0	36.0	1.0	-43.2	-25.0	-18.2	
	5002.00	-16.7	H	3.0	35.5	1.0	-51.1	-25.0	-26.1	
16QAM	7503.00	-11.8	H	3.0	35.7	1.0	-46.5	-25.0	-21.5	
	10004.00	-6.6	H	3.0	36.0	1.0	-41.6	-25.0	-16.6	
	Mid Ch, 2593									
	5186.00	-17.0	V	3.0	35.4	1.0	-51.5	-25.0	-26.5	
	7779.00	-12.1	V	3.0	35.8	1.0	-46.9	-25.0	-21.9	
	10372.00	-3.9	V	3.0	35.8	1.0	-38.8	-25.0	-13.8	
	5186.00	-16.1	H	3.0	35.4	1.0	-50.6	-25.0	-25.6	
	7779.00	-11.0	H	3.0	35.8	1.0	-45.8	-25.0	-20.8	
	10372.00	-4.9	H	3.0	35.8	1.0	-39.7	-25.0	-14.7	
	High Ch, 2685									
	5370.00	-16.8	V	3.0	35.4	1.0	-51.2	-25.0	-26.2	
	8055.00	-12.2	V	3.0	35.8	1.0	-47.0	-25.0	-22.0	
	10740.00	-4.3	V	3.0	35.7	1.0	-39.0	-25.0	-14.0	
	5370.00	-16.3	H	3.0	35.4	1.0	-50.7	-25.0	-25.7	
	8055.00	-11.6	H	3.0	35.8	1.0	-46.4	-25.0	-21.4	
	10740.00	-3.3	H	3.0	35.7	1.0	-37.9	-25.0	-12.9	

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_QPSK Band 41 Harmonics, 10MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2501 5002.00 -17.6 V 3.0 35.5 1.0 -52.1 -25.0 -27.1 7503.00 -11.5 V 3.0 35.7 1.0 -46.3 -25.0 -21.3 10004.00 -8.6 V 3.0 36.0 1.0 -43.6 -25.0 -18.6 5002.00 -17.1 H 3.0 35.5 1.0 -51.6 -25.0 -26.6 7503.00 -11.7 H 3.0 35.7 1.0 -46.4 -25.0 -21.4 10004.00 -8.1 H 3.0 36.0 1.0 -43.1 -25.0 -18.1 Mid Ch, 2593 5186.00 -16.8 V 3.0 35.4 1.0 -51.2 -25.0 -26.2 7779.00 -11.5 V 3.0 35.8 1.0 -46.3 -25.0 -21.3 10372.00 -5.8 V 3.0 35.8 1.0 -40.7 -25.0 -15.7 5186.00 -15.7 H 3.0 35.4 1.0 -50.2 -25.0 -25.2 7779.00 -10.9 H 3.0 35.8 1.0 -45.7 -25.0 -20.7 10372.00 -6.2 H 3.0 35.8 1.0 -41.0 -25.0 -16.0 High Ch, 2685 5370.00 -16.6 V 3.0 35.4 1.0 -51.1 -25.0 -26.1 8055.00 -12.7 V 3.0 35.8 1.0 -47.5 -25.0 -22.5 10740.00 -6.2 V 3.0 35.7 1.0 -40.8 -25.0 -15.8 5370.00 -16.3 H 3.0 35.4 1.0 -50.7 -25.0 -25.7 8055.00 -11.6 H 3.0 35.8 1.0 -46.4 -25.0 -21.4 10740.00 -5.7 H 3.0 35.7 1.0 -40.4 -25.0 -15.4									

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_16QAM Band 41 Harmonics, 5MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2498.5 4997.00 -17.1 V 3.0 35.5 1.0 -51.5 -25.0 -26.5 7495.50 -11.1 V 3.0 35.7 1.0 -45.9 -25.0 -20.9 9994.00 -7.5 V 3.0 36.0 1.0 -42.5 -25.0 -17.5 4997.00 -17.1 H 3.0 35.5 1.0 -51.6 -25.0 -26.6 7495.50 -11.9 H 3.0 35.7 1.0 -46.7 -25.0 -21.7 9994.00 -5.0 H 3.0 36.0 1.0 -40.0 -25.0 -15.0 Mid Ch, 2593 5186.00 -16.1 V 3.0 35.4 1.0 -50.5 -25.0 -25.5 7779.00 -12.1 V 3.0 35.8 1.0 -46.9 -25.0 -21.9 10372.00 -6.4 V 3.0 35.8 1.0 -41.3 -25.0 -16.3 5186.00 -16.3 H 3.0 35.4 1.0 -50.7 -25.0 -25.7 7779.00 -11.0 H 3.0 35.8 1.0 -45.7 -25.0 -20.7 10372.00 -4.8 H 3.0 35.8 1.0 -39.7 -25.0 -14.7 High Ch, 2687.5 5375.00 -16.2 V 3.0 35.4 1.0 -50.7 -25.0 -25.7 8062.50 -12.2 V 3.0 35.8 1.0 -47.0 -25.0 -22.0 10750.00 -3.5 V 3.0 35.7 1.0 -38.1 -25.0 -13.1 5375.00 -16.1 H 3.0 35.4 1.0 -50.5 -25.0 -25.5 8062.50 -11.0 H 3.0 35.8 1.0 -45.8 -25.0 -20.8 10750.00 -3.9 H 3.0 35.7 1.0 -38.5 -25.0 -13.5									

Band	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: LG Electronics Project #: 15I21552 Date: 8/20/2015 Test Engineer: A. Escamilla Configuration: EUT, AC Adapter, Headset Location: Chamber C Mode: LTE_QPSK Band 41 Harmonics, 5MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2498.5 4997.00 -16.9 V 3.0 35.5 1.0 -51.4 -25.0 -26.4 7495.50 -11.8 V 3.0 35.7 1.0 -46.6 -25.0 -21.6 9994.00 -9.2 V 3.0 36.0 1.0 -44.2 -25.0 -19.2 4997.00 -17.1 H 3.0 35.5 1.0 -51.5 -25.0 -26.5 7495.50 -11.5 H 3.0 35.7 1.0 -46.2 -25.0 -21.2 9994.00 -7.4 H 3.0 36.0 1.0 -42.4 -25.0 -17.4 Mid Ch, 2593 5186.00 -16.8 V 3.0 35.4 1.0 -51.2 -25.0 -26.2 7779.00 -11.7 V 3.0 35.8 1.0 -46.5 -25.0 -21.5 10372.00 -6.2 V 3.0 35.8 1.0 -41.1 -25.0 -16.1 5186.00 -16.9 H 3.0 35.4 1.0 -51.3 -25.0 -26.3 7779.00 -11.2 H 3.0 35.8 1.0 -46.0 -25.0 -21.0 10372.00 -5.8 H 3.0 35.8 1.0 -40.7 -25.0 -15.7 High Ch, 2687.5 5375.00 -16.0 V 3.0 35.4 1.0 -50.4 -25.0 -25.4 8062.50 -12.2 V 3.0 35.8 1.0 -47.0 -25.0 -22.0 10750.00 -6.1 V 3.0 35.7 1.0 -40.8 -25.0 -15.8 5375.00 -15.7 H 3.0 35.4 1.0 -50.1 -25.0 -25.1 8062.50 -11.5 H 3.0 35.8 1.0 -46.3 -25.0 -21.3 10750.00 -7.2 H 3.0 35.7 1.0 -41.8 -25.0 -16.8									