UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT , AC Adapter and Headset
Location: Chamber G
Mode: LTE_16QAM Band 4 Harmonics, 3MHz Bandwidth

Band
LTE4
3MHz
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, 1711.5									
3423.00	-0.1	V	3.0	36.1	1.0	-35.2	-13.0	-22.2	
5134.50	11.3	V	3.0	35.4	1.0	-23.2	-13.0	-10.2	
6846.00	9.3	V	3.0	35.7	1.0	-25.4	-13.0	-12.4	
3423.00	0.9	H	3.0	36.1	1.0	-34.1	-13.0	-21.1	
5134.50	9.1	H	3.0	35.4	1.0	-25.4	-13.0	-12.4	
6846.00	5.6	H	3.0	35.7	1.0	-29.0	-13.0	-16.0	
Mid Ch, 1732.5									
3465.00	-5.2	V	3.0	36.0	1.0	-40.3	-13.0	-27.3	
5197.50	3.8	V	3.0	35.4	1.0	-30.6	-13.0	-17.6	
6930.00	-0.3	V	3.0	35.7	1.0	-34.9	-13.0	-21.9	
3465.00	-3.8	H	3.0	36.0	1.0	-38.9	-13.0	-25.9	
5197.50	-0.9	H	3.0	35.4	1.0	-35.3	-13.0	-22.3	
6930.00	0.3	H	3.0	35.7	1.0	-34.4	-13.0	-21.4	
High Ch, 1753.5									
3507.00	1.8	V	3.0	36.0	1.0	-33.2	-13.0	-20.2	
5260.50	12.2	V	3.0	35.4	1.0	-22.2	-13.0	-9.2	
7014.00	9.3	V	3.0	35.7	1.0	-25.4	-13.0	-12.4	
3507.00	0.3	H	3.0	36.0	1.0	-34.7	-13.0	-21.7	
5260.50	6.5	H	3.0	35.4	1.0	-27.9	-13.0	-14.9	
7014.00	6.0	H	3.0	35.7	1.0	-28.7	-13.0	-15.7	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT , AC Adapter and Headset
Location: Chamber G
Mode: LTE_QPSK Band 4 Harmonics, 3MHz Bandwidth

Band LTE4 3MHz QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1711.5									
3423.00	1.7	V	3.0	36.1	1.0	-33.4	-13.0	-20.4	
5134.50	11.2	V	3.0	35.4	1.0	-23.2	-13.0	-10.2	
6846.00	9.0	V	3.0	35.7	1.0	-25.6	-13.0	-12.6	
3423.00	0.5	H	3.0	36.1	1.0	-34.6	-13.0	-21.6	
5134.50	8.7	H	3.0	35.4	1.0	-25.7	-13.0	-12.7	
6846.00	7.7	H	3.0	35.7	1.0	-27.0	-13.0	-14.0	
Mid Ch, 1732.5									
3465.00	-5.2	V	3.0	36.0	1.0	-40.2	-13.0	-27.2	
5197.50	2.0	V	3.0	35.4	1.0	-32.4	-13.0	-19.4	
6930.00	-1.7	V	3.0	35.7	1.0	-36.3	-13.0	-23.3	
3465.00	-5.2	H	3.0	36.0	1.0	-40.2	-13.0	-27.2	
5197.50	-0.9	H	3.0	35.4	1.0	-35.3	-13.0	-22.3	
6930.00	0.0	H	3.0	35.7	1.0	-34.7	-13.0	-21.7	
High Ch, 1753.5									
3507.00	4.3	V	3.0	36.0	1.0	-30.7	-13.0	-17.7	
5260.50	11.2	V	3.0	35.4	1.0	-23.3	-13.0	-10.3	
7014.00	8.5	V	3.0	35.7	1.0	-26.2	-13.0	-13.2	
3507.00	4.0	H	3.0	36.0	1.0	-31.0	-13.0	-18.0	
5260.50	8.8	H	3.0	35.4	1.0	-25.6	-13.0	-12.6	
7014.00	6.9	H	3.0	35.7	1.0	-27.8	-13.0	-14.8	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT , AC Adapter and Headset
Location: Chamber G
Mode: LTE_16QAM Band 4 Harmonics, 1.4MHz Bandwidth

Band

LTE4

1.4MHz

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, 1710.7									
3421.40	-11.4	V	3.0	36.1	1.0	-46.4	-13.0	-33.4	
5132.10	-7.3	V	3.0	35.4	1.0	-41.7	-13.0	-28.7	
6842.80	-2.0	V	3.0	35.7	1.0	-36.7	-13.0	-23.7	
3421.40	-6.9	H	3.0	36.1	1.0	-42.0	-13.0	-29.0	
5132.10	-9.8	H	3.0	35.4	1.0	-44.2	-13.0	-31.2	
6842.80	-4.6	H	3.0	35.7	1.0	-39.2	-13.0	-26.2	
Mid Ch, 1732.5									
3465.00	-17.0	V	3.0	36.0	1.0	-52.1	-13.0	-39.1	
5197.50	-11.8	V	3.0	35.4	1.0	-46.2	-13.0	-33.2	
6930.00	-8.3	V	3.0	35.7	1.0	-42.9	-13.0	-29.9	
3465.00	-17.8	H	3.0	36.0	1.0	-52.8	-13.0	-39.8	
5197.50	-10.8	H	3.0	35.4	1.0	-45.2	-13.0	-32.2	
6930.00	-8.1	H	3.0	35.7	1.0	-42.7	-13.0	-29.7	
High Ch, 1754.3									
3508.60	-13.8	V	3.0	36.0	1.0	-48.8	-13.0	-35.8	
5262.90	0.1	V	3.0	35.4	1.0	-34.3	-13.0	-21.3	
7017.20	-3.7	V	3.0	35.7	1.0	-38.4	-13.0	-25.4	
3508.60	-14.8	H	3.0	36.0	1.0	-49.8	-13.0	-36.8	
5262.90	-4.3	H	3.0	35.4	1.0	-38.7	-13.0	-25.7	
7017.20	-3.8	H	3.0	35.7	1.0	-38.5	-13.0	-25.5	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT , AC Adapter and Headset
Location: Chamber G
Mode: LTE_QPSK Band 4 Harmonics, 1.4MHz Bandwidth

Band

LTE4

1.4MHz

QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1710.7									
3421.40	-13.4	V	3.0	36.1	1.0	-48.4	-13.0	-35.4	
5132.10	-5.9	V	3.0	35.4	1.0	-40.3	-13.0	-27.3	
6842.80	-3.2	V	3.0	35.7	1.0	-37.8	-13.0	-24.8	
3421.40	-11.4	H	3.0	36.1	1.0	-46.5	-13.0	-33.5	
5132.10	-9.8	H	3.0	35.4	1.0	-44.2	-13.0	-31.2	
6842.80	-5.3	H	3.0	35.7	1.0	-40.0	-13.0	-27.0	
Mid Ch, 1732.5									
3465.00	-16.0	V	3.0	36.0	1.0	-51.0	-13.0	-38.0	
5197.50	-10.6	V	3.0	35.4	1.0	-45.0	-13.0	-32.0	
6930.00	-8.2	V	3.0	35.7	1.0	-42.8	-13.0	-29.8	
3465.00	-15.2	H	3.0	36.0	1.0	-50.3	-13.0	-37.3	
5197.50	-9.2	H	3.0	35.4	1.0	-43.6	-13.0	-30.6	
6930.00	-9.8	H	3.0	35.7	1.0	-44.5	-13.0	-31.5	
High Ch, 1754.3									
3508.60	-12.9	V	3.0	36.0	1.0	-47.9	-13.0	-34.9	
5262.90	1.0	V	3.0	35.4	1.0	-33.4	-13.0	-20.4	
7017.20	-1.8	V	3.0	35.7	1.0	-36.5	-13.0	-23.5	
3508.60	-14.1	H	3.0	36.0	1.0	-49.1	-13.0	-36.1	
5262.90	-4.9	H	3.0	35.4	1.0	-39.3	-13.0	-26.3	
7017.20	-3.9	H	3.0	35.7	1.0	-38.6	-13.0	-25.6	

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LTE Band 12

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_16QAM Band 12 Harmonics, 10MHz Bandwidth

Band
LTE12
10MHz
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,704									
1408.00	-29.1	V	3.0	37.4	1.0	-65.5	-13.0	-52.5	
2112.00	-23.3	V	3.0	36.6	1.0	-58.8	-13.0	-45.8	
2816.00	-21.3	V	3.0	36.4	1.0	-56.7	-13.0	-43.7	
1408.00	-27.9	H	3.0	37.4	1.0	-64.3	-13.0	-51.3	
2112.00	-24.0	H	3.0	36.6	1.0	-59.6	-13.0	-46.6	
2816.00	-22.5	H	3.0	36.4	1.0	-57.9	-13.0	-44.9	
Mid Ch,707.5									
1415.00	-29.1	V	3.0	37.3	1.0	-65.5	-13.0	-52.5	
2122.50	-22.6	V	3.0	36.6	1.0	-58.2	-13.0	-45.2	
2830.00	-21.3	V	3.0	36.4	1.0	-56.6	-13.0	-43.6	
1415.00	-28.5	H	3.0	37.3	1.0	-64.9	-13.0	-51.9	
2122.50	-24.3	H	3.0	36.6	1.0	-59.8	-13.0	-46.8	
2830.00	-21.9	H	3.0	36.4	1.0	-57.2	-13.0	-44.2	
High Ch,711									
1422.00	-26.5	V	3.0	37.3	1.0	-62.9	-13.0	-49.9	
2133.00	-22.2	V	3.0	36.6	1.0	-57.8	-13.0	-44.8	
2844.00	-18.6	V	3.0	36.4	1.0	-54.0	-13.0	-41.0	
1422.00	-25.5	H	3.0	37.3	1.0	-61.9	-13.0	-48.9	
2133.00	-23.5	H	3.0	36.6	1.0	-59.1	-13.0	-46.1	
2844.00	-18.5	H	3.0	36.4	1.0	-53.9	-13.0	-40.9	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_QPSK Band 12 Harmonics, 10MHz Bandwidth

Band
LTE12
10MHz
QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch,704									
1408.00	-28.8	V	3.0	37.4	1.0	-65.2	-13.0	-52.2	
2112.00	-23.0	V	3.0	36.6	1.0	-58.5	-13.0	-45.5	
2816.00	-21.0	V	3.0	36.4	1.0	-56.4	-13.0	-43.4	
1408.00	-27.6	H	3.0	37.4	1.0	-64.0	-13.0	-51.0	
2112.00	-23.7	H	3.0	36.6	1.0	-59.3	-13.0	-46.3	
2816.00	-22.2	H	3.0	36.4	1.0	-57.6	-13.0	-44.6	
Mid Ch,707.5									
1415.00	-28.8	V	3.0	37.3	1.0	-65.2	-13.0	-52.2	
2122.50	-22.3	V	3.0	36.6	1.0	-57.9	-13.0	-44.9	
2830.00	-21.0	V	3.0	36.4	1.0	-56.3	-13.0	-43.3	
1415.00	-28.2	H	3.0	37.3	1.0	-64.6	-13.0	-51.6	
2122.50	-24.0	H	3.0	36.6	1.0	-59.5	-13.0	-46.5	
2830.00	-21.6	H	3.0	36.4	1.0	-56.9	-13.0	-43.9	
High Ch,711									
1422.00	-26.2	V	3.0	37.3	1.0	-62.6	-13.0	-49.6	
2133.00	-21.9	V	3.0	36.6	1.0	-57.5	-13.0	-44.5	
2844.00	-18.3	V	3.0	36.4	1.0	-53.7	-13.0	-40.7	
1422.00	-25.2	H	3.0	37.3	1.0	-61.6	-13.0	-48.6	
2133.00	-23.2	H	3.0	36.6	1.0	-58.8	-13.0	-45.8	
2844.00	-18.2	H	3.0	36.4	1.0	-53.6	-13.0	-40.6	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_16QAM Band 12 Harmonics, 5MHz Bandwidth

Band
LTE12
5MHz
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, 701.50									
1403.00	-28.8	V	3.0	37.4	1.0	-65.1	-13.0	-52.1	
2104.50	-22.0	V	3.0	36.6	1.0	-57.6	-13.0	-44.6	
2806.00	-21.2	V	3.0	36.4	1.0	-56.6	-13.0	-43.6	
1403.00	-27.3	H	3.0	37.4	1.0	-63.7	-13.0	-50.7	
2104.50	-23.6	H	3.0	36.6	1.0	-59.2	-13.0	-46.2	
2806.00	-22.0	H	3.0	36.4	1.0	-57.4	-13.0	-44.4	
Mid Ch, 707.50									
1415.00	-29.1	V	3.0	37.3	1.0	-65.5	-13.0	-52.5	
2122.50	-22.3	V	3.0	36.6	1.0	-57.9	-13.0	-44.9	
2830.00	-20.5	V	3.0	36.4	1.0	-55.9	-13.0	-42.9	
1415.00	-28.1	H	3.0	37.3	1.0	-64.4	-13.0	-51.4	
2122.50	-23.8	H	3.0	36.6	1.0	-59.4	-13.0	-46.4	
2830.00	-21.6	H	3.0	36.4	1.0	-57.0	-13.0	-44.0	
High Ch, 713.50									
1427.00	-26.1	V	3.0	37.3	1.0	-62.4	-13.0	-49.4	
2140.50	-22.2	V	3.0	36.6	1.0	-57.8	-13.0	-44.8	
2854.00	-17.8	V	3.0	36.4	1.0	-53.2	-13.0	-40.2	
1427.00	-25.6	H	3.0	37.3	1.0	-61.9	-13.0	-48.9	
2140.50	-23.1	H	3.0	36.6	1.0	-58.7	-13.0	-45.7	
2854.00	-18.1	H	3.0	36.4	1.0	-53.5	-13.0	-40.5	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_QPSK Band 12 Harmonics, 5MHz Bandwidth

Band
LTE12
5MHz
QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 701.50									
1403.00	-28.7	V	3.0	37.4	1.0	-65.1	-13.0	-52.1	
2104.50	-22.9	V	3.0	36.6	1.0	-58.4	-13.0	-45.4	
2806.00	-20.9	V	3.0	36.4	1.0	-56.3	-13.0	-43.3	
1403.00	-27.5	H	3.0	37.4	1.0	-63.9	-13.0	-50.9	
2104.50	-23.6	H	3.0	36.6	1.0	-59.2	-13.0	-46.2	
2806.00	-22.1	H	3.0	36.4	1.0	-57.5	-13.0	-44.5	
Mid Ch, 707.50									
1415.00	-28.7	V	3.0	37.3	1.0	-65.1	-13.0	-52.1	
2122.50	-22.2	V	3.0	36.6	1.0	-57.8	-13.0	-44.8	
2830.00	-20.9	V	3.0	36.4	1.0	-56.2	-13.0	-43.2	
1415.00	-28.1	H	3.0	37.3	1.0	-64.5	-13.0	-51.5	
2122.50	-23.9	H	3.0	36.6	1.0	-59.4	-13.0	-46.4	
2830.00	-21.5	H	3.0	36.4	1.0	-56.8	-13.0	-43.8	
High Ch, 713.50									
1427.00	-26.1	V	3.0	37.3	1.0	-62.5	-13.0	-49.5	
2140.50	-21.8	V	3.0	36.6	1.0	-57.4	-13.0	-44.4	
2854.00	-18.2	V	3.0	36.4	1.0	-53.6	-13.0	-40.6	
1427.00	-25.1	H	3.0	37.3	1.0	-61.5	-13.0	-48.5	
2140.50	-23.1	H	3.0	36.6	1.0	-58.7	-13.0	-45.7	
2854.00	-18.1	H	3.0	36.4	1.0	-53.5	-13.0	-40.5	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_16QAM Band 12 Harmonics, 3MHz Bandwidth

Band
LTE12
3MHz
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, 700.5									
1401.00	-29.4	V	3.0	37.4	1.0	-65.7	-13.0	-52.7	
2101.50	-22.6	V	3.0	36.6	1.0	-58.2	-13.0	-45.2	
2802.00	-20.9	V	3.0	36.4	1.0	-56.3	-13.0	-43.3	
1401.00	-27.8	H	3.0	37.4	1.0	-64.2	-13.0	-51.2	
2101.50	-23.7	H	3.0	36.6	1.0	-59.2	-13.0	-46.2	
2802.00	-22.5	H	3.0	36.4	1.0	-57.9	-13.0	-44.9	
Mid Ch, 707.50									
1415.00	97.5	V	3.0	37.3	1.0	61.2	-13.0	74.2	
2122.00	-22.5	V	3.0	36.6	1.0	-58.1	-13.0	-45.1	
2830.00	-21.1	V	3.0	36.4	1.0	-56.4	-13.0	-43.4	
1415.00	-27.7	H	3.0	37.3	1.0	-64.1	-13.0	-51.1	
2122.00	-23.8	H	3.0	36.6	1.0	-59.4	-13.0	-46.4	
2830.00	-21.6	H	3.0	36.4	1.0	-57.0	-13.0	-44.0	
High Ch, 714.5									
1429.00	-29.1	V	3.0	37.3	1.0	-65.4	-13.0	-52.4	
2143.50	-21.8	V	3.0	36.6	1.0	-57.4	-13.0	-44.4	
2858.00	-19.8	V	3.0	36.4	1.0	-55.2	-13.0	-42.2	
1429.00	-29.9	H	3.0	37.3	1.0	-66.3	-13.0	-53.3	
2143.50	-25.5	H	3.0	36.6	1.0	-61.0	-13.0	-48.0	
2858.00	-23.1	H	3.0	36.4	1.0	-58.4	-13.0	-45.4	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_QPSK Band 12 Harmonics, 3MHz Bandwidth

Band
LTE12
3MHz
QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 700.5									
1401.00	-28.9	V	3.0	37.4	1.0	-65.2	-13.0	-52.2	
2101.50	-22.5	V	3.0	36.6	1.0	-58.1	-13.0	-45.1	
2802.00	-20.5	V	3.0	36.4	1.0	-55.9	-13.0	-42.9	
1401.00	-28.3	H	3.0	37.4	1.0	-64.6	-13.0	-51.6	
2101.50	-23.9	H	3.0	36.6	1.0	-59.4	-13.0	-46.4	
2802.00	-22.0	H	3.0	36.4	1.0	-57.4	-13.0	-44.4	
Mid Ch, 707.50									
1415.00	-29.1	V	3.0	37.3	1.0	-65.5	-13.0	-52.5	
2122.00	-22.4	V	3.0	36.6	1.0	-57.9	-13.0	-44.9	
2830.00	-21.0	V	3.0	36.4	1.0	-56.4	-13.0	-43.4	
1415.00	-27.7	H	3.0	37.3	1.0	-64.0	-13.0	-51.0	
2122.00	-22.8	H	3.0	36.6	1.0	-58.3	-13.0	-45.3	
2830.00	-21.4	H	3.0	36.4	1.0	-56.8	-13.0	-43.8	
High Ch, 714.5									
1429.00	-29.0	V	3.0	37.3	1.0	-65.3	-13.0	-52.3	
2143.50	-21.5	V	3.0	36.6	1.0	-57.1	-13.0	-44.1	
2858.00	-20.4	V	3.0	36.4	1.0	-55.8	-13.0	-42.8	
1429.00	-30.0	H	3.0	37.3	1.0	-66.4	-13.0	-53.4	
2143.50	-25.6	H	3.0	36.6	1.0	-61.2	-13.0	-48.2	
2858.00	-23.1	H	3.0	36.4	1.0	-58.5	-13.0	-45.5	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_16QAM Band 12 Harmonics, 1.4MHz Bandwidth

Band
LTE12
1.4MHz
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, 699.7									
1399.40	-28.9	V	3.0	37.4	1.0	-65.2	-13.0	-52.2	
2099.10	-22.0	V	3.0	36.6	1.0	-57.6	-13.0	-44.6	
2798.80	-20.4	V	3.0	36.4	1.0	-55.8	-13.0	-42.8	
1399.40	-27.6	H	3.0	37.4	1.0	-64.0	-13.0	-51.0	
2099.10	-23.2	H	3.0	36.6	1.0	-58.8	-13.0	-45.8	
2798.80	-22.4	H	3.0	36.4	1.0	-57.8	-13.0	-44.8	
Mid Ch, 707.50									
1415.00	-28.9	V	3.0	37.3	1.0	-65.2	-13.0	-52.2	
2122.00	-22.4	V	3.0	36.6	1.0	-58.0	-13.0	-45.0	
2830.00	-21.1	V	3.0	36.4	1.0	-56.5	-13.0	-43.5	
1415.00	-27.7	H	3.0	37.3	1.0	-64.0	-13.0	-51.0	
2122.00	-23.5	H	3.0	36.6	1.0	-59.1	-13.0	-46.1	
2830.00	-21.8	H	3.0	36.4	1.0	-57.2	-13.0	-44.2	
High Ch, 715.3									
1430.60	-29.4	V	3.0	37.3	1.0	-65.7	-13.0	-52.7	
2145.90	-22.5	V	3.0	36.6	1.0	-58.0	-13.0	-45.0	
2861.20	-20.6	V	3.0	36.4	1.0	-56.0	-13.0	-43.0	
1430.60	-28.0	H	3.0	37.3	1.0	-64.3	-13.0	-51.3	
2145.90	-23.7	H	3.0	36.6	1.0	-59.3	-13.0	-46.3	
2861.20	-21.4	H	3.0	36.4	1.0	-56.8	-13.0	-43.8	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_QPSK Band 12 Harmonics, 1.4MHz Bandwidth

Band
LTE12
1.4MHz
QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 699.7									
1399.40	-28.5	V	3.0	37.4	1.0	-64.9	-13.0	-51.9	
2099.10	-22.1	V	3.0	36.6	1.0	-57.6	-13.0	-44.6	
2798.80	-20.5	V	3.0	36.4	1.0	-55.9	-13.0	-42.9	
1399.40	-28.1	H	3.0	37.4	1.0	-64.5	-13.0	-51.5	
2099.10	-23.7	H	3.0	36.6	1.0	-59.3	-13.0	-46.3	
2798.80	-22.3	H	3.0	36.4	1.0	-57.7	-13.0	-44.7	
Mid Ch, 707.50									
1415.00	-29.7	V	3.0	37.3	1.0	-66.0	-13.0	-53.0	
2122.00	-22.5	V	3.0	36.6	1.0	-58.1	-13.0	-45.1	
2830.00	-20.6	V	3.0	36.4	1.0	-56.0	-13.0	-43.0	
1415.00	-27.7	H	3.0	37.3	1.0	-64.1	-13.0	-51.1	
2122.00	-24.1	H	3.0	36.6	1.0	-59.7	-13.0	-46.7	
2830.00	-21.7	H	3.0	36.4	1.0	-57.1	-13.0	-44.1	
High Ch, 715.3									
1430.60	-29.0	V	3.0	37.3	1.0	-65.3	-13.0	-52.3	
2145.90	-22.4	V	3.0	36.6	1.0	-57.9	-13.0	-44.9	
2861.20	-21.0	V	3.0	36.4	1.0	-56.4	-13.0	-43.4	
1430.60	-28.0	H	3.0	37.3	1.0	-64.3	-13.0	-51.3	
2145.90	-23.6	H	3.0	36.6	1.0	-59.2	-13.0	-46.2	
2861.20	-21.3	H	3.0	36.4	1.0	-56.7	-13.0	-43.7	

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LTE Band 25

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_16QAM Band 25 Harmonics, 20MHz Bandwidth

Band

LTE25

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, 1860									
3720.00	-17.4	V	3.0	35.8	1.0	-52.3	-13.0	-39.3	
5580.00	-13.1	V	3.0	35.5	1.0	-47.6	-13.0	-34.6	
7440.00	-10.9	V	3.0	35.7	1.0	-45.7	-13.0	-32.7	
3720.00	-17.0	H	3.0	35.8	1.0	-51.9	-13.0	-38.9	
5580.00	-13.0	H	3.0	35.5	1.0	-47.4	-13.0	-34.4	
7440.00	-10.8	H	3.0	35.7	1.0	-45.6	-13.0	-32.6	
Mid Ch, 1882.5									
3765.00	-11.4	V	3.0	35.8	1.0	-46.2	-13.0	-33.2	
5647.50	-14.1	V	3.0	35.5	1.0	-48.6	-13.0	-35.6	
7530.00	-12.1	V	3.0	35.7	1.0	-46.8	-13.0	-33.8	
3765.00	-16.6	H	3.0	35.8	1.0	-51.4	-13.0	-38.4	
5647.50	-13.6	H	3.0	35.5	1.0	-48.1	-13.0	-35.1	
7530.00	-11.0	H	3.0	35.7	1.0	-45.8	-13.0	-32.8	
High Ch, 1905									
3810.00	-16.8	V	3.0	35.8	1.0	-51.6	-13.0	-38.6	
5715.00	-13.5	V	3.0	35.5	1.0	-48.0	-13.0	-35.0	
7620.00	-10.5	V	3.0	35.8	1.0	-45.3	-13.0	-32.3	
3810.00	-12.5	H	3.0	35.8	1.0	-47.3	-13.0	-34.3	
5715.00	-12.9	H	3.0	35.5	1.0	-47.4	-13.0	-34.4	
7620.00	-11.3	H	3.0	35.8	1.0	-46.1	-13.0	-33.1	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_QPSK Band 25 Harmonics, 20MHz Bandwidth

Band
LTE25
20MHz
QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1860									
3720.00	-16.0	V	3.0	35.8	1.0	-50.8	-13.0	-37.8	
5580.00	-13.8	V	3.0	35.5	1.0	-48.3	-13.0	-35.3	
7440.00	-11.7	V	3.0	35.7	1.0	-46.4	-13.0	-33.4	
3720.00	-17.0	H	3.0	35.8	1.0	-51.9	-13.0	-38.9	
5580.00	-12.9	H	3.0	35.5	1.0	-47.3	-13.0	-34.3	
7440.00	-10.5	H	3.0	35.7	1.0	-45.3	-13.0	-32.3	
Mid Ch, 1882.5									
3765.00	-11.8	V	3.0	35.8	1.0	-46.6	-13.0	-33.6	
5647.50	-13.5	V	3.0	35.5	1.0	-48.0	-13.0	-35.0	
7530.00	-11.9	V	3.0	35.7	1.0	-46.7	-13.0	-33.7	
3765.00	-17.0	H	3.0	35.8	1.0	-51.8	-13.0	-38.8	
5647.50	-13.9	H	3.0	35.5	1.0	-48.4	-13.0	-35.4	
7530.00	-10.4	H	3.0	35.7	1.0	-45.2	-13.0	-32.2	
High Ch, 1905									
3810.00	-16.8	V	3.0	35.8	1.0	-51.6	-13.0	-38.6	
5715.00	-13.5	V	3.0	35.5	1.0	-48.0	-13.0	-35.0	
7620.00	-11.6	V	3.0	35.8	1.0	-46.3	-13.0	-33.3	
3810.00	-12.1	H	3.0	35.8	1.0	-46.9	-13.0	-33.9	
5715.00	-13.7	H	3.0	35.5	1.0	-48.2	-13.0	-35.2	
7620.00	-11.6	H	3.0	35.8	1.0	-46.3	-13.0	-33.3	

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Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_16QAM Band 25 Harmonics, 15MHz Bandwidth

Band
LTE25
15MHz
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, 1857.5									
3715.00	-17.5	V	3.0	35.8	1.0	-52.4	-13.0	-39.4	
5572.50	-12.8	V	3.0	35.5	1.0	-47.3	-13.0	-34.3	
7430.00	-11.4	V	3.0	35.7	1.0	-46.2	-13.0	-33.2	
3715.00	-15.9	H	3.0	35.8	1.0	-50.8	-13.0	-37.8	
5572.50	-13.4	H	3.0	35.5	1.0	-47.9	-13.0	-34.9	
7430.00	-10.2	H	3.0	35.7	1.0	-44.9	-13.0	-31.9	
Mid Ch, 1882.5									
3815.00	-17.0	V	3.0	35.8	1.0	-51.8	-13.0	-38.8	
5722.50	-13.7	V	3.0	35.5	1.0	-48.2	-13.0	-35.2	
7630.00	-11.9	V	3.0	35.7	1.0	-46.7	-13.0	-33.7	
3815.00	-13.7	H	3.0	35.8	1.0	-48.5	-13.0	-35.5	
5722.50	-12.9	H	3.0	35.5	1.0	-47.4	-13.0	-34.4	
7630.00	-10.8	H	3.0	35.7	1.0	-45.5	-13.0	-32.5	
High Ch, 1907.5									
3815.00	-15.6	V	3.0	35.8	1.0	-50.4	-13.0	-37.4	
5722.50	-13.2	V	3.0	35.5	1.0	-47.7	-13.0	-34.7	
7630.00	-11.6	V	3.0	35.8	1.0	-46.3	-13.0	-33.3	
3815.00	-12.0	H	3.0	35.8	1.0	-46.7	-13.0	-33.7	
5722.50	-13.0	H	3.0	35.5	1.0	-47.5	-13.0	-34.5	
7630.00	-10.8	H	3.0	35.8	1.0	-45.5	-13.0	-32.5	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_QPSK Band 25 Harmonics, 15MHz Bandwidth

Band
LTE25
15MHz
QPSK

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									
3715.00	-17.9	V	3.0	35.8	1.0	-52.7	-13.0	-39.7	
5572.50	-13.0	V	3.0	35.5	1.0	-47.5	-13.0	-34.5	
7430.00	-11.1	V	3.0	35.7	1.0	-45.9	-13.0	-32.9	
3715.00	-15.6	H	3.0	35.8	1.0	-50.5	-13.0	-37.5	
5572.50	-13.3	H	3.0	35.5	1.0	-47.8	-13.0	-34.8	
7430.00	-10.4	H	3.0	35.7	1.0	-45.1	-13.0	-32.1	
Mid Ch, 1882.5									
3815.00	-16.7	V	3.0	35.8	1.0	-51.5	-13.0	-38.5	
5722.50	-14.0	V	3.0	35.5	1.0	-48.5	-13.0	-35.5	
7630.00	-11.2	V	3.0	35.7	1.0	-46.0	-13.0	-33.0	
3815.00	-13.7	H	3.0	35.8	1.0	-48.5	-13.0	-35.5	
5722.50	-13.9	H	3.0	35.5	1.0	-48.4	-13.0	-35.4	
7630.00	-11.1	H	3.0	35.7	1.0	-45.8	-13.0	-32.8	
High Ch, 1907.5									
3815.00	-15.7	V	3.0	35.8	1.0	-50.5	-13.0	-37.5	
5722.50	-12.4	V	3.0	35.5	1.0	-46.9	-13.0	-33.9	
7630.00	-10.9	V	3.0	35.8	1.0	-45.6	-13.0	-32.6	
3815.00	-11.7	H	3.0	35.8	1.0	-46.4	-13.0	-33.4	
5722.50	-12.8	H	3.0	35.5	1.0	-47.3	-13.0	-34.3	
7630.00	-10.2	H	3.0	35.8	1.0	-45.0	-13.0	-32.0	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_16QAM Band 25 Harmonics, 10MHz Bandwidth

Band
LTE25
10MHz
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, 1855									
3710.00	-17.8	V	3.0	35.9	1.0	-52.7	-13.0	-39.7	
5565.00	-13.4	V	3.0	35.5	1.0	-47.8	-13.0	-34.8	
7420.00	-11.4	V	3.0	35.7	1.0	-46.2	-13.0	-33.2	
3710.00	-15.5	H	3.0	35.9	1.0	-50.4	-13.0	-37.4	
5565.00	-13.2	H	3.0	35.5	1.0	-47.7	-13.0	-34.7	
7420.00	-9.4	H	3.0	35.7	1.0	-44.1	-13.0	-31.1	
Mid Ch, 1882.5									
3765.00	-16.2	V	3.0	35.8	1.0	-51.0	-13.0	-38.0	
5647.50	-13.6	V	3.0	35.5	1.0	-48.1	-13.0	-35.1	
7530.00	-11.5	V	3.0	35.7	1.0	-46.3	-13.0	-33.3	
3765.00	-12.8	H	3.0	35.8	1.0	-47.6	-13.0	-34.6	
5647.50	-13.7	H	3.0	35.5	1.0	-48.2	-13.0	-35.2	
7530.00	117.2	H	3.0	35.7	1.0	82.5	-13.0	95.5	
High Ch, 1910									
3820.00	-16.0	V	3.0	35.8	1.0	-50.8	-13.0	-37.8	
5730.00	-13.6	V	3.0	35.5	1.0	-48.1	-13.0	-35.1	
7640.00	-12.5	V	3.0	35.8	1.0	-47.2	-13.0	-34.2	
3820.00	-15.2	H	3.0	35.8	1.0	-49.9	-13.0	-36.9	
5730.00	-13.7	H	3.0	35.5	1.0	-48.2	-13.0	-35.2	
7640.00	-10.0	H	3.0	35.8	1.0	-44.8	-13.0	-31.8	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_QPSK Band 25 Harmonics, 10MHz Bandwidth

Band
LTE25
10MHz
QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1855									
3710.00	-17.0	V	3.0	35.9	1.0	-51.9	-13.0	-38.9	
5565.00	-13.2	V	3.0	35.5	1.0	-47.7	-13.0	-34.7	
7420.00	-10.8	V	3.0	35.7	1.0	-45.5	-13.0	-32.5	
3710.00	-15.1	H	3.0	35.9	1.0	-49.9	-13.0	-36.9	
5565.00	-13.4	H	3.0	35.5	1.0	-47.9	-13.0	-34.9	
7420.00	-9.2	H	3.0	35.7	1.0	-44.0	-13.0	-31.0	
Mid Ch, 1882.5									
3765.00	-16.5	V	3.0	35.8	1.0	-51.3	-13.0	-38.3	
5647.50	-13.5	V	3.0	35.5	1.0	-48.0	-13.0	-35.0	
7530.00	-11.6	V	3.0	35.7	1.0	-46.3	-13.0	-33.3	
3765.00	-13.2	H	3.0	35.8	1.0	-48.0	-13.0	-35.0	
5647.50	-13.5	H	3.0	35.5	1.0	-48.0	-13.0	-35.0	
7530.00	-10.7	H	3.0	35.7	1.0	-45.4	-13.0	-32.4	
High Ch, 1910									
3820.00	-16.4	V	3.0	35.8	1.0	-51.1	-13.0	-38.1	
5730.00	-13.6	V	3.0	35.5	1.0	-48.1	-13.0	-35.1	
7640.00	-11.5	V	3.0	35.8	1.0	-46.2	-13.0	-33.2	
3820.00	-14.2	H	3.0	35.8	1.0	-48.9	-13.0	-35.9	
5730.00	-13.7	H	3.0	35.5	1.0	-48.2	-13.0	-35.2	
7640.00	-10.1	H	3.0	35.8	1.0	-44.8	-13.0	-31.8	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_16QAM Band 25 Harmonics, 5MHz Bandwidth

Band
LTE25
5MHz
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, 1852.5									
3705.00	-15.8	V	3.0	35.9	1.0	-50.6	-13.0	-37.6	
5557.50	-12.4	V	3.0	35.5	1.0	-46.9	-13.0	-33.9	
7410.00	-9.5	V	3.0	35.7	1.0	-44.3	-13.0	-31.3	
3705.00	-12.7	H	3.0	35.9	1.0	-47.6	-13.0	-34.6	
5557.50	-11.0	H	3.0	35.5	1.0	-45.4	-13.0	-32.4	
7410.00	-9.2	H	3.0	35.7	1.0	-44.0	-13.0	-31.0	
Mid Ch, 1882.5									
3765.00	-15.8	V	3.0	35.8	1.0	-50.6	-13.0	-37.6	
5647.50	-13.3	V	3.0	35.5	1.0	-47.7	-13.0	-34.7	
7530.00	-12.0	V	3.0	35.7	1.0	-46.8	-13.0	-33.8	
3765.00	-11.0	H	3.0	35.8	1.0	-45.8	-13.0	-32.8	
5647.50	-13.3	H	3.0	35.5	1.0	-47.8	-13.0	-34.8	
7530.00	-10.7	H	3.0	35.7	1.0	-45.5	-13.0	-32.5	
High Ch, 1912.5									
3825.00	-12.6	V	3.0	35.8	1.0	-47.4	-13.0	-34.4	
5737.50	-13.7	V	3.0	35.5	1.0	-48.2	-13.0	-35.2	
7650.00	-9.2	V	3.0	35.8	1.0	-44.0	-13.0	-31.0	
3825.00	-11.1	H	3.0	35.8	1.0	-45.8	-13.0	-32.8	
5737.50	-13.3	H	3.0	35.5	1.0	-47.8	-13.0	-34.8	
7650.00	-10.9	H	3.0	35.8	1.0	-45.6	-13.0	-32.6	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_QPSK Band 25 Harmonics, 5MHz Bandwidth

Band
LTE25
5MHz
QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1852.5									
3705.00	-16.2	V	3.0	35.9	1.0	-51.1	-13.0	-38.1	
5557.50	-12.1	V	3.0	35.5	1.0	-46.6	-13.0	-33.6	
7410.00	-9.2	V	3.0	35.7	1.0	-43.9	-13.0	-30.9	
3705.00	-12.5	H	3.0	35.9	1.0	-47.4	-13.0	-34.4	
5557.50	-12.8	H	3.0	35.5	1.0	-47.2	-13.0	-34.2	
7410.00	-8.9	H	3.0	35.7	1.0	-43.6	-13.0	-30.6	
Mid Ch, 1882.5									
3765.00	-16.1	V	3.0	35.8	1.0	-50.9	-13.0	-37.9	
5647.50	-14.1	V	3.0	35.5	1.0	-48.6	-13.0	-35.6	
7530.00	-11.8	V	3.0	35.7	1.0	-46.5	-13.0	-33.5	
3765.00	-11.1	H	3.0	35.8	1.0	-45.9	-13.0	-32.9	
5647.50	-13.4	H	3.0	35.5	1.0	-47.9	-13.0	-34.9	
7530.00	-10.6	H	3.0	35.7	1.0	-45.3	-13.0	-32.3	
High Ch, 1912.5									
3825.00	-15.3	V	3.0	35.8	1.0	-50.1	-13.0	-37.1	
5737.50	-13.0	V	3.0	35.5	1.0	-47.5	-13.0	-34.5	
7650.00	-9.9	V	3.0	35.8	1.0	-44.7	-13.0	-31.7	
3825.00	-11.1	H	3.0	35.8	1.0	-45.9	-13.0	-32.9	
5737.50	-13.2	H	3.0	35.5	1.0	-47.7	-13.0	-34.7	
7650.00	-10.5	H	3.0	35.8	1.0	-45.2	-13.0	-32.2	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_16QAM Band 25 Harmonics, 3MHz Bandwidth

Band
LTE25
3MHz
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	-14.8	V	3.0	35.9	1.0	-49.6	-13.0	-36.6	
5554.50	-12.3	V	3.0	35.5	1.0	-46.8	-13.0	-33.8	
7406.00	-7.8	V	3.0	35.7	1.0	-42.6	-13.0	-29.6	
3703.00	-12.2	H	3.0	35.9	1.0	-47.1	-13.0	-34.1	
5554.50	-11.9	H	3.0	35.5	1.0	-46.4	-13.0	-33.4	
7406.00	-8.4	H	3.0	35.7	1.0	-43.1	-13.0	-30.1	
Mid Ch, 1882.5									
3765.00	-16.1	V	3.0	35.8	1.0	-51.0	-13.0	-38.0	
5647.50	-12.8	V	3.0	35.5	1.0	-47.3	-13.0	-34.3	
7530.00	-11.4	V	3.0	35.7	1.0	-46.2	-13.0	-33.2	
3765.00	-10.3	H	3.0	35.8	1.0	-45.1	-13.0	-32.1	
5647.50	-13.6	H	3.0	35.5	1.0	-48.1	-13.0	-35.1	
7530.00	-10.5	H	3.0	35.7	1.0	-45.2	-13.0	-32.2	
High Ch, 1913.5									
3827.00	-13.9	V	3.0	35.8	1.0	-48.7	-13.0	-35.7	
5740.50	-12.9	V	3.0	35.5	1.0	-47.4	-13.0	-34.4	
7654.00	-10.2	V	3.0	35.8	1.0	-44.9	-13.0	-31.9	
3827.00	-10.0	H	3.0	35.8	1.0	-44.8	-13.0	-31.8	
5740.50	-12.0	H	3.0	35.5	1.0	-46.5	-13.0	-33.5	
7654.00	-8.7	H	3.0	35.8	1.0	-43.5	-13.0	-30.5	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_QPSK Band 25 Harmonics, 3MHz Bandwidth

Band
LTE25
3MHz
QPSK

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	-14.9	V	3.0	35.9	1.0	-49.7	-13.0	-36.7	
5554.50	-13.0	V	3.0	35.5	1.0	-47.5	-13.0	-34.5	
7406.00	-8.7	V	3.0	35.7	1.0	-43.4	-13.0	-30.4	
3703.00	-12.5	H	3.0	35.9	1.0	-47.4	-13.0	-34.4	
5554.50	-12.4	H	3.0	35.5	1.0	-46.9	-13.0	-33.9	
7406.00	-9.0	H	3.0	35.7	1.0	-43.7	-13.0	-30.7	
Mid Ch, 1882.5									
3765.00	-18.3	V	3.0	35.8	1.0	-53.1	-13.0	-40.1	
5647.50	-13.1	V	3.0	35.5	1.0	-47.6	-13.0	-34.6	
7530.00	-11.1	V	3.0	35.7	1.0	-45.9	-13.0	-32.9	
3765.00	-10.9	H	3.0	35.8	1.0	-45.7	-13.0	-32.7	
5647.50	-13.3	H	3.0	35.5	1.0	-47.8	-13.0	-34.8	
7530.00	-10.3	H	3.0	35.7	1.0	-45.1	-13.0	-32.1	
High Ch, 1913.5									
3827.00	-12.9	V	3.0	35.8	1.0	-47.7	-13.0	-34.7	
5740.50	-13.4	V	3.0	35.5	1.0	-47.9	-13.0	-34.9	
7654.00	-9.4	V	3.0	35.8	1.0	-44.1	-13.0	-31.1	
3827.00	-10.3	H	3.0	35.8	1.0	-45.0	-13.0	-32.0	
5740.50	-12.4	H	3.0	35.5	1.0	-46.9	-13.0	-33.9	
7654.00	-9.5	H	3.0	35.8	1.0	-44.3	-13.0	-31.3	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_16QAM Band 25 Harmonics, 1.4MHz Bandwidth

Band
LTE25
1.4MHz
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, 1850.7									
3701.40	-11.6	V	3.0	35.9	1.0	-46.5	-13.0	-33.5	
5552.10	-16.7	V	3.0	35.5	1.0	-51.2	-13.0	-38.2	
7402.80	-7.2	V	3.0	35.7	1.0	-41.9	-13.0	-28.9	
3701.40	-11.7	H	3.0	35.9	1.0	-46.6	-13.0	-33.6	
5552.10	-13.2	H	3.0	35.5	1.0	-47.7	-13.0	-34.7	
7402.80	-10.9	H	3.0	35.7	1.0	-45.7	-13.0	-32.7	
Mid Ch, 1882.5									
3765.00	-14.3	V	3.0	35.8	1.0	-49.1	-13.0	-36.1	
5647.50	-10.3	V	3.0	35.5	1.0	-44.8	-13.0	-31.8	
7530.00	-6.5	V	3.0	35.7	1.0	-41.2	-13.0	-28.2	
3765.00	-8.8	H	3.0	35.8	1.0	-43.6	-13.0	-30.6	
5647.50	-13.5	H	3.0	35.5	1.0	-48.0	-13.0	-35.0	
7530.00	-10.2	H	3.0	35.7	1.0	-44.9	-13.0	-31.9	
High Ch, 1914.3									
3828.60	-16.3	V	3.0	35.8	1.0	-51.1	-13.0	-38.1	
5742.90	-11.8	V	3.0	35.5	1.0	-46.3	-13.0	-33.3	
7657.20	-7.1	V	3.0	35.8	1.0	-41.9	-13.0	-28.9	
3828.60	-9.6	H	3.0	35.8	1.0	-44.3	-13.0	-31.3	
5742.90	-11.6	H	3.0	35.5	1.0	-46.1	-13.0	-33.1	
7657.20	-10.7	H	3.0	35.8	1.0	-45.5	-13.0	-32.5	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG
Project #: 15I20232
Date: 3/12/2015
Test Engineer: Jude Semana
Configuration: EUT , AC Adapter
Location: Chamber G
Mode: LTE_QPSK Band 25 Harmonics, 1.4MHz Bandwidth

Band
LTE25
1.4MHz
QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1850.7									
3701.40	-12.1	V	3.0	35.9	1.0	-47.0	-13.0	-34.0	
5552.10	-13.9	V	3.0	35.5	1.0	-48.3	-13.0	-35.3	
7402.80	-7.4	V	3.0	35.7	1.0	-42.1	-13.0	-29.1	
3701.40	-11.3	H	3.0	35.9	1.0	-46.1	-13.0	-33.1	
5552.10	-12.8	H	3.0	35.5	1.0	-47.3	-13.0	-34.3	
7402.80	-10.1	H	3.0	35.7	1.0	-44.8	-13.0	-31.8	
Mid Ch, 1882.5									
3765.00	-15.0	V	3.0	35.8	1.0	-49.8	-13.0	-36.8	
5647.50	-10.4	V	3.0	35.5	1.0	-44.9	-13.0	-31.9	
7530.00	-6.8	V	3.0	35.7	1.0	-41.5	-13.0	-28.5	
3765.00	-8.3	H	3.0	35.8	1.0	-43.1	-13.0	-30.1	
5647.50	-13.5	H	3.0	35.5	1.0	-48.0	-13.0	-35.0	
7530.00	-10.6	H	3.0	35.7	1.0	-45.3	-13.0	-32.3	
High Ch, 1914.3									
3828.60	-14.8	V	3.0	35.8	1.0	-49.6	-13.0	-36.6	
5742.90	-11.6	V	3.0	35.5	1.0	-46.1	-13.0	-33.1	
7657.20	-7.7	V	3.0	35.8	1.0	-42.4	-13.0	-29.4	
3828.60	-9.8	H	3.0	35.8	1.0	-44.5	-13.0	-31.5	
5742.90	-11.7	H	3.0	35.5	1.0	-46.2	-13.0	-33.2	
7657.20	-10.1	H	3.0	35.8	1.0	-44.9	-13.0	-31.9	

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LTE Band 26

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT/ AC Charger/ Headset
Location: Chamber G
Mode: LTE_16QAM Band 26 Harmonics, 15MHz Bandwidth

Band LTE26 15MHz 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, 831.5									
1663.00	-15.7	V	3.0	37.0	1.0	-51.7	-13.0	-38.7	
2494.50	-22.6	V	3.0	36.4	1.0	-58.1	-13.0	-45.1	
3326.00	-21.8	V	3.0	36.2	1.0	-57.0	-13.0	-44.0	
1663.00	-16.7	H	3.0	37.0	1.0	-52.7	-13.0	-39.7	
2494.50	-23.5	H	3.0	36.4	1.0	-58.9	-13.0	-45.9	
3326.00	-21.4	H	3.0	36.2	1.0	-56.6	-13.0	-43.6	
Mid Ch, 836.5									
1673.00	-22.1	V	3.0	37.0	1.0	-58.1	-13.0	-45.1	
2509.50	-22.8	V	3.0	36.4	1.0	-58.2	-13.0	-45.2	
3346.00	-21.3	V	3.0	36.1	1.0	-56.4	-13.0	-43.4	
1673.00	-23.9	H	3.0	37.0	1.0	-59.9	-13.0	-46.9	
2509.50	-24.2	H	3.0	36.4	1.0	-59.6	-13.0	-46.6	
3346.00	-21.2	H	3.0	36.1	1.0	-56.3	-13.0	-43.3	
High Ch, 841.5									
1683.00	-17.2	V	3.0	37.0	1.0	-53.2	-13.0	-40.2	
2524.50	-23.2	V	3.0	36.4	1.0	-58.6	-13.0	-45.6	
3366.00	-21.6	V	3.0	36.1	1.0	-56.8	-13.0	-43.8	
1683.00	-21.5	H	3.0	37.0	1.0	-57.5	-13.0	-44.5	
2524.50	-24.6	H	3.0	36.4	1.0	-60.0	-13.0	-47.0	
3366.00	-21.6	H	3.0	36.1	1.0	-56.7	-13.0	-43.7	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT/ AC Charger/ Headset
Location: Chamber G
Mode: LTE_QPSK Band 26 Harmonics, 15MHz Bandwidth

Band LTE26 15MHz QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 831.5									
1663.00	-17.4	V	3.0	37.0	1.0	-53.4	-13.0	-40.4	
2494.50	-23.6	V	3.0	36.4	1.0	-59.1	-13.0	-46.1	
3326.00	-22.0	V	3.0	36.2	1.0	-57.2	-13.0	-44.2	
1663.00	-14.4	H	3.0	37.0	1.0	-50.4	-13.0	-37.4	
2494.50	-24.2	H	3.0	36.4	1.0	-59.6	-13.0	-46.6	
3326.00	-20.6	H	3.0	36.2	1.0	-55.8	-13.0	-42.8	
Mid Ch, 836.5									
1673.00	-24.5	V	3.0	37.0	1.0	-60.5	-13.0	-47.5	
2509.50	-22.5	V	3.0	36.4	1.0	-57.9	-13.0	-44.9	
3346.00	-20.8	V	3.0	36.1	1.0	-55.9	-13.0	-42.9	
1673.00	-26.3	H	3.0	37.0	1.0	-62.3	-13.0	-49.3	
2509.50	-24.9	H	3.0	36.4	1.0	-60.3	-13.0	-47.3	
3346.00	-21.0	H	3.0	36.1	1.0	-56.1	-13.0	-43.1	
High Ch, 841.5									
1683.00	-18.4	V	3.0	37.0	1.0	-54.4	-13.0	-41.4	
2524.50	-22.6	V	3.0	36.4	1.0	-58.0	-13.0	-45.0	
3366.00	-20.9	V	3.0	36.1	1.0	-56.1	-13.0	-43.1	
1683.00	-22.4	H	3.0	37.0	1.0	-58.4	-13.0	-45.4	
2524.50	-24.9	H	3.0	36.4	1.0	-60.3	-13.0	-47.3	
3366.00	-22.0	H	3.0	36.1	1.0	-57.1	-13.0	-44.1	

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Band

LTE26

10MHz

16QAM

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT/ AC Charger/ Headset
Location: Chamber G
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	-15.5	V	3.0	37.0	1.0	-51.5	-13.0	-38.5	
2457.00	-23.0	V	3.0	36.4	1.0	-58.4	-13.0	-45.4	
3276.00	-21.1	V	3.0	36.2	1.0	-56.3	-13.0	-43.3	
1638.00	-19.1	H	3.0	37.0	1.0	-55.1	-13.0	-42.1	
2457.00	-24.9	H	3.0	36.4	1.0	-60.4	-13.0	-47.4	
3276.00	-20.9	H	3.0	36.2	1.0	-56.1	-13.0	-43.1	
Mid Ch, 831.5									
1663.00	-16.0	V	3.0	37.0	1.0	-52.0	-13.0	-39.0	
2494.50	-22.8	V	3.0	36.4	1.0	-58.2	-13.0	-45.2	
3326.00	-21.3	V	3.0	36.1	1.0	-56.4	-13.0	-43.4	
1663.00	-23.7	H	3.0	37.0	1.0	-59.7	-13.0	-46.7	
2494.50	-24.9	H	3.0	36.4	1.0	-60.3	-13.0	-47.3	
3326.00	-22.3	H	3.0	36.1	1.0	-57.4	-13.0	-44.4	
High Ch, 844									
1688.00	-17.3	V	3.0	37.0	1.0	-53.3	-13.0	-40.3	
2532.00	-23.3	V	3.0	36.4	1.0	-58.7	-13.0	-45.7	
3376.00	-20.9	V	3.0	36.1	1.0	-56.0	-13.0	-43.0	
1688.00	-21.2	H	3.0	37.0	1.0	-57.2	-13.0	-44.2	
2532.00	-24.7	H	3.0	36.4	1.0	-60.1	-13.0	-47.1	
3376.00	-21.8	H	3.0	36.1	1.0	-56.9	-13.0	-43.9	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT/ AC Charger/ Headset
Location: Chamber G
Mode: LTE_QPSK Band 26 Harmonics, 10MHz Bandwidth

Band LTE26 10MHz QPSK

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	-13.6	V	3.0	37.0	1.0	-49.7	-13.0	-36.7	
2457.00	-23.3	V	3.0	36.4	1.0	-58.7	-13.0	-45.7	
3276.00	-21.1	V	3.0	36.2	1.0	-56.3	-13.0	-43.3	
1638.00	-17.1	H	3.0	37.0	1.0	-53.1	-13.0	-40.1	
2457.00	-23.9	H	3.0	36.4	1.0	-59.4	-13.0	-46.4	
3276.00	-21.1	H	3.0	36.2	1.0	-56.3	-13.0	-43.3	
Mid Ch, 831.5									
1663.00	-16.3	V	3.0	37.0	1.0	-52.3	-13.0	-39.3	
2494.50	-22.8	V	3.0	36.4	1.0	-58.2	-13.0	-45.2	
3326.00	-21.1	V	3.0	36.1	1.0	-56.2	-13.0	-43.2	
1663.00	-24.0	H	3.0	37.0	1.0	-60.0	-13.0	-47.0	
2494.50	-25.3	H	3.0	36.4	1.0	-60.7	-13.0	-47.7	
3326.00	-21.6	H	3.0	36.1	1.0	-56.7	-13.0	-43.7	
High Ch, 844									
1688.00	-17.5	V	3.0	37.0	1.0	-53.5	-13.0	-40.5	
2532.00	-22.7	V	3.0	36.4	1.0	-58.1	-13.0	-45.1	
3376.00	-21.2	V	3.0	36.1	1.0	-56.3	-13.0	-43.3	
1688.00	-18.8	H	3.0	37.0	1.0	-54.8	-13.0	-41.8	
2532.00	-24.2	H	3.0	36.4	1.0	-59.6	-13.0	-46.6	
3376.00	-21.5	H	3.0	36.1	1.0	-56.6	-13.0	-43.6	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT/ AC Charger/ Headset
Location: Chamber G
Mode: LTE_16QAM Band 26 Harmonics, 5MHz Bandwidth

Band
LTE26
5MHz
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, 816.5									
1633.00	-16.9	V	3.0	37.0	1.0	-52.9	-13.0	-39.9	
2449.50	-23.6	V	3.0	36.4	1.0	-59.1	-13.0	-46.1	
3266.00	-20.6	V	3.0	36.2	1.0	-55.7	-13.0	-42.7	
1633.00	-17.1	H	3.0	37.0	1.0	-53.2	-13.0	-40.2	
2449.50	-24.8	H	3.0	36.4	1.0	-60.2	-13.0	-47.2	
3266.00	-21.0	H	3.0	36.2	1.0	-56.1	-13.0	-43.1	
Mid Ch, 831.5									
1663.00	-21.2	V	3.0	37.0	1.0	-57.2	-13.0	-44.2	
2494.50	-23.2	V	3.0	36.4	1.0	-58.6	-13.0	-45.6	
3326.00	-20.0	V	3.0	36.1	1.0	-55.1	-13.0	-42.1	
1663.00	-21.9	H	3.0	37.0	1.0	-57.9	-13.0	-44.9	
2494.50	-24.3	H	3.0	36.4	1.0	-59.7	-13.0	-46.7	
3326.00	-20.7	H	3.0	36.1	1.0	-55.8	-13.0	-42.8	
High Ch, 846.5									
1693.00	-20.8	V	3.0	37.0	1.0	-56.8	-13.0	-43.8	
2539.50	-22.9	V	3.0	36.4	1.0	-58.4	-13.0	-45.4	
3386.00	-21.1	V	3.0	36.1	1.0	-56.2	-13.0	-43.2	
1693.00	-23.5	H	3.0	37.0	1.0	-59.5	-13.0	-46.5	
2539.50	-24.0	H	3.0	36.4	1.0	-59.4	-13.0	-46.4	
3386.00	-21.1	H	3.0	36.1	1.0	-56.2	-13.0	-43.2	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT/ AC Charger/ Headset
Location: Chamber G
Mode: LTE_QPSK Band 26 Harmonics, 5MHz Bandwidth

Band LTE26 5MHz QPSK

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									
1633.00	-13.5	V	3.0	37.0	1.0	-49.5	-13.0	-36.5	
2449.50	-23.5	V	3.0	36.4	1.0	-59.0	-13.0	-46.0	
3266.00	-22.0	V	3.0	36.2	1.0	-57.1	-13.0	-44.1	
1633.00	-13.5	H	3.0	37.0	1.0	-49.6	-13.0	-36.6	
2449.50	-24.9	H	3.0	36.4	1.0	-60.3	-13.0	-47.3	
3266.00	-20.9	H	3.0	36.2	1.0	-56.0	-13.0	-43.0	
Mid Ch, 831.5									
1663.00	-19.4	V	3.0	37.0	1.0	-55.4	-13.0	-42.4	
2494.50	-22.1	V	3.0	36.4	1.0	-57.5	-13.0	-44.5	
3326.00	-21.1	V	3.0	36.1	1.0	-56.2	-13.0	-43.2	
1663.00	-22.3	H	3.0	37.0	1.0	-58.3	-13.0	-45.3	
2494.50	-24.1	H	3.0	36.4	1.0	-59.5	-13.0	-46.5	
3326.00	-21.5	H	3.0	36.1	1.0	-56.6	-13.0	-43.6	
High Ch, 846.5									
1693.00	-17.5	V	3.0	37.0	1.0	-53.5	-13.0	-40.5	
2539.50	-22.2	V	3.0	36.4	1.0	-57.7	-13.0	-44.7	
3386.00	-21.1	V	3.0	36.1	1.0	-56.2	-13.0	-43.2	
1693.00	-24.6	H	3.0	37.0	1.0	-60.5	-13.0	-47.5	
2539.50	-24.2	H	3.0	36.4	1.0	-59.6	-13.0	-46.6	
3386.00	-21.0	H	3.0	36.1	1.0	-56.1	-13.0	-43.1	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT/ AC Charger/ Headset
Location: Chamber G
Mode: LTE_16QAM Band 26 Harmonics, 3MHz Bandwidth

Band
LTE26
3MHz
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, 815.5									
1631.00	-12.2	V	3.0	37.0	1.0	-48.2	-13.0	-35.2	
2446.50	-22.4	V	3.0	36.4	1.0	-57.8	-13.0	-44.8	
3262.00	-20.4	V	3.0	36.2	1.0	-55.6	-13.0	-42.6	
1631.00	-17.2	H	3.0	37.0	1.0	-53.2	-13.0	-40.2	
2446.50	-23.7	H	3.0	36.4	1.0	-59.1	-13.0	-46.1	
3262.00	-21.4	H	3.0	36.2	1.0	-56.6	-13.0	-43.6	
Mid Ch, 831.5									
1663.00	-21.1	V	3.0	37.0	1.0	-57.1	-13.0	-44.1	
2494.50	-22.0	V	3.0	36.4	1.0	-57.4	-13.0	-44.4	
3326.00	-21.1	V	3.0	36.1	1.0	-56.2	-13.0	-43.2	
1663.00	-22.4	H	3.0	37.0	1.0	-58.4	-13.0	-45.4	
2494.50	-23.4	H	3.0	36.4	1.0	-58.8	-13.0	-45.8	
3326.00	-20.3	H	3.0	36.1	1.0	-55.4	-13.0	-42.4	
High Ch, 847.5									
1695.00	-21.7	V	3.0	37.0	1.0	-57.7	-13.0	-44.7	
2542.50	-21.6	V	3.0	36.4	1.0	-57.1	-13.0	-44.1	
3390.00	-20.9	V	3.0	36.1	1.0	-56.0	-13.0	-43.0	
1695.00	-21.5	H	3.0	37.0	1.0	-57.5	-13.0	-44.5	
2542.50	-23.0	H	3.0	36.4	1.0	-58.5	-13.0	-45.5	
3390.00	-20.3	H	3.0	36.1	1.0	-55.4	-13.0	-42.4	

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Band

LTE26

3MHz

QPSK

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT/ AC Charger/ Headset
Location: Chamber G
Mode: 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
Low Ch, 815.5									
1631.00	-15.5	V	3.0	37.0	1.0	-51.5	-13.0	-38.5	
2446.50	-22.2	V	3.0	36.4	1.0	-57.7	-13.0	-44.7	
3262.00	-19.8	V	3.0	36.2	1.0	-55.0	-13.0	-42.0	
1631.00	-14.9	H	3.0	37.0	1.0	-51.0	-13.0	-38.0	
2446.50	-22.5	H	3.0	36.4	1.0	-57.9	-13.0	-44.9	
3262.00	-20.7	H	3.0	36.2	1.0	-55.9	-13.0	-42.9	
Mid Ch, 831.5									
1663.00	-21.7	V	3.0	37.0	1.0	-57.7	-13.0	-44.7	
2494.50	-21.3	V	3.0	36.4	1.0	-56.7	-13.0	-43.7	
3326.00	-21.0	V	3.0	36.1	1.0	-56.1	-13.0	-43.1	
1663.00	-23.5	H	3.0	37.0	1.0	-59.5	-13.0	-46.5	
2494.50	-23.9	H	3.0	36.4	1.0	-59.3	-13.0	-46.3	
3326.00	-20.3	H	3.0	36.1	1.0	-55.4	-13.0	-42.4	
High Ch, 847.5									
1695.00	-21.9	V	3.0	37.0	1.0	-57.9	-13.0	-44.9	
2542.50	-21.3	V	3.0	36.4	1.0	-56.8	-13.0	-43.8	
3390.00	-19.9	V	3.0	36.1	1.0	-55.0	-13.0	-42.0	
1695.00	-22.5	H	3.0	37.0	1.0	-58.5	-13.0	-45.5	
2542.50	-23.3	H	3.0	36.4	1.0	-58.8	-13.0	-45.8	
3390.00	-19.8	H	3.0	36.1	1.0	-54.9	-13.0	-41.9	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT/ AC Charger/ Headset
Location: Chamber G
Mode: LTE_16QAM Band 26 Harmonics, 1.4MHz Bandwidth

Band
LTE26
1.4MHz
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, 814.7									
1629.40	-12.1	V	3.0	37.1	1.0	-48.1	-13.0	-35.1	
2444.10	-23.2	V	3.0	36.4	1.0	-58.6	-13.0	-45.6	
3258.80	-20.7	V	3.0	36.2	1.0	-55.9	-13.0	-42.9	
1629.40	-21.1	H	3.0	37.1	1.0	-57.1	-13.0	-44.1	
2444.10	-24.4	H	3.0	36.4	1.0	-59.9	-13.0	-46.9	
3258.80	-21.2	H	3.0	36.2	1.0	-56.4	-13.0	-43.4	
Mid Ch, 831.5									
1663.00	-20.0	V	3.0	37.0	1.0	-56.0	-13.0	-43.0	
2494.50	-22.0	V	3.0	36.4	1.0	-57.4	-13.0	-44.4	
3326.00	-20.4	V	3.0	36.1	1.0	-55.5	-13.0	-42.5	
1663.00	-24.2	H	3.0	37.0	1.0	-60.2	-13.0	-47.2	
2494.50	-23.8	H	3.0	36.4	1.0	-59.2	-13.0	-46.2	
3326.00	-21.2	H	3.0	36.1	1.0	-56.4	-13.0	-43.4	
High Ch, 848.3									
1696.60	-21.5	V	3.0	37.0	1.0	-57.5	-13.0	-44.5	
2544.90	-22.2	V	3.0	36.4	1.0	-57.6	-13.0	-44.6	
3393.20	-20.9	V	3.0	36.1	1.0	-55.9	-13.0	-42.9	
1696.60	-20.6	H	3.0	37.0	1.0	-56.5	-13.0	-43.5	
2544.90	-23.4	H	3.0	36.4	1.0	-58.8	-13.0	-45.8	
3393.20	-20.5	H	3.0	36.1	1.0	-55.6	-13.0	-42.6	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/25/2015
Test Engineer: R.Z
Configuration: EUT/ AC Charger/ Headset
Location: Chamber G
Mode: LTE_QPSK Band 26 Harmonics, 1.4MHz Bandwidth

Band LTE26 1.4MHz QPSK

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									
1629.40	-18.4	V	3.0	37.1	1.0	-54.5	-13.0	-41.5	
2444.10	-22.9	V	3.0	36.4	1.0	-58.3	-13.0	-45.3	
3258.80	-20.7	V	3.0	36.2	1.0	-55.8	-13.0	-42.8	
1629.40	-16.4	H	3.0	37.1	1.0	-52.5	-13.0	-39.5	
2444.10	-23.1	H	3.0	36.4	1.0	-58.5	-13.0	-45.5	
3258.80	-20.7	H	3.0	36.2	1.0	-55.9	-13.0	-42.9	
Mid Ch, 831.5									
1663.00	-19.4	V	3.0	37.0	1.0	-55.4	-13.0	-42.4	
2494.50	-23.3	V	3.0	36.4	1.0	-58.7	-13.0	-45.7	
3326.00	-20.5	V	3.0	36.1	1.0	-55.6	-13.0	-42.6	
1663.00	-25.0	H	3.0	37.0	1.0	-61.0	-13.0	-48.0	
2494.50	-23.0	H	3.0	36.4	1.0	-58.4	-13.0	-45.4	
3326.00	-20.9	H	3.0	36.1	1.0	-56.0	-13.0	-43.0	
High Ch, 848.3									
1696.60	-18.2	V	3.0	37.0	1.0	-54.2	-13.0	-41.2	
2544.90	-22.0	V	3.0	36.4	1.0	-57.4	-13.0	-44.4	
3393.20	-19.8	V	3.0	36.1	1.0	-54.8	-13.0	-41.8	
1696.60	-22.9	H	3.0	37.0	1.0	-58.9	-13.0	-45.9	
2544.90	-24.2	H	3.0	36.4	1.0	-59.6	-13.0	-46.6	
3393.20	-20.2	H	3.0	36.1	1.0	-55.2	-13.0	-42.2	

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LTE Band 41

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/2/2015
Test Engineer: S.Tran
Configuration: X-pos EUT , AC Adapter, Headset; RF Unit 2
Location: Chamber C
Mode: LTE_16QAM Band 41 Harmonics, 20MHz Bandwidth

Band LTE41 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, 2506									
5012.00	-10.7	V	3.0	35.5	1.0	-45.2	-25.0	-20.2	
7518.00	-4.2	V	3.0	35.7	1.0	-38.9	-25.0	-13.9	
10024.00	-4.1	V	3.0	36.0	1.0	-39.1	-25.0	-14.1	
5012.00	-9.2	H	3.0	35.5	1.0	-43.7	-25.0	-18.7	
7518.00	-6.6	H	3.0	35.7	1.0	-41.4	-25.0	-16.4	
10024.00	-5.4	H	3.0	36.0	1.0	-40.4	-25.0	-15.4	
Mid Ch, 2593									
5186.00	-14.5	V	3.0	35.4	1.0	-48.9	-25.0	-23.9	
7779.00	-1.0	V	3.0	35.8	1.0	-35.8	-25.0	-10.8	
10372.00	-11.6	V	3.0	35.8	1.0	-46.5	-25.0	-21.5	
5186.00	-13.5	H	3.0	35.4	1.0	-48.0	-25.0	-23.0	
7779.00	-0.7	H	3.0	35.8	1.0	-35.5	-25.0	-10.5	
10372.00	-10.6	H	3.0	35.8	1.0	-45.5	-25.0	-20.5	
High Ch, 2680									
5360.00	-12.3	V	3.0	35.4	1.0	-46.7	-25.0	-21.7	
8040.00	-4.9	V	3.0	35.8	1.0	-39.7	-25.0	-14.7	
10720.00	-9.3	V	3.0	35.7	1.0	-43.9	-25.0	-18.9	
5360.00	-8.1	H	3.0	35.4	1.0	-42.5	-25.0	-17.5	
8040.00	-5.1	H	3.0	35.8	1.0	-39.9	-25.0	-14.9	
10720.00	-8.4	H	3.0	35.7	1.0	-43.1	-25.0	-18.1	

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Band

LTE41

20MHz

QPSK

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/2/2015
Test Engineer: S.Tran
Configuration: X-pos EUT , AC Adapter, Headset; RF Unit 2
Location: Chamber C
Mode: 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									
5012.00	-10.5	V	3.0	35.5	1.0	-45.0	-25.0	-20.0	
7518.00	-4.0	V	3.0	35.7	1.0	-38.7	-25.0	-13.7	
10024.00	-3.9	V	3.0	36.0	1.0	-38.9	-25.0	-13.9	
5012.00	-9.0	H	3.0	35.5	1.0	-43.5	-25.0	-18.5	
7518.00	-6.4	H	3.0	35.7	1.0	-41.1	-25.0	-16.1	
10024.00	-5.2	H	3.0	36.0	1.0	-40.2	-25.0	-15.2	
Mid Ch, 2593									
5186.00	-14.3	V	3.0	35.4	1.0	-48.7	-25.0	-23.7	
7779.00	-0.8	V	3.0	35.8	1.0	-35.6	-25.0	-10.6	
10372.00	-11.4	V	3.0	35.8	1.0	-46.2	-25.0	-21.2	
5186.00	-13.3	H	3.0	35.4	1.0	-47.8	-25.0	-22.8	
7779.00	-0.5	H	3.0	35.8	1.0	-35.3	-25.0	-10.3	
10372.00	-10.4	H	3.0	35.8	1.0	-45.3	-25.0	-20.3	
High Ch, 2680									
5360.00	-12.1	V	3.0	35.4	1.0	-46.5	-25.0	-21.5	
8040.00	-4.7	V	3.0	35.8	1.0	-39.5	-25.0	-14.5	
10720.00	-9.0	V	3.0	35.7	1.0	-43.7	-25.0	-18.7	
5360.00	-7.9	H	3.0	35.4	1.0	-42.3	-25.0	-17.3	
8040.00	-4.9	H	3.0	35.8	1.0	-39.7	-25.0	-14.7	
10720.00	-8.2	H	3.0	35.7	1.0	-42.9	-25.0	-17.9	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/2/2015
Test Engineer: S.Tran
Configuration: X-pos EUT , AC Adapter, Headset; RF Unit 2
Location: Chamber C
Mode: LTE_16QAM Band 41 Harmonics, 15MHz Bandwidth

Band
LTE41
15MHz
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, 2503.5									
5007.00	-10.9	V	3.0	35.5	1.0	-45.3	-25.0	-20.3	
7510.50	-8.0	V	3.0	35.7	1.0	-42.8	-25.0	-17.8	
10014.00	-6.7	V	3.0	36.0	1.0	-41.7	-25.0	-16.7	
5007.00	-9.3	H	3.0	35.5	1.0	-43.8	-25.0	-18.8	
7510.50	-9.4	H	3.0	35.7	1.0	-44.1	-25.0	-19.1	
10014.00	-7.5	H	3.0	36.0	1.0	-42.6	-25.0	-17.6	
Mid Ch, 2593									
5186.00	-13.6	V	3.0	35.4	1.0	-48.0	-25.0	-23.0	
7779.00	-0.6	V	3.0	35.8	1.0	-35.4	-25.0	-10.4	
10372.00	-10.9	V	3.0	35.8	1.0	-45.7	-25.0	-20.7	
5186.00	-15.7	H	3.0	35.4	1.0	-50.2	-25.0	-25.2	
7779.00	-5.7	H	3.0	35.8	1.0	-40.4	-25.0	-15.4	
10372.00	-10.0	H	3.0	35.8	1.0	-44.9	-25.0	-19.9	
High Ch, 2682.5									
5365.00	-14.7	V	3.0	35.4	1.0	-49.1	-25.0	-24.1	
8047.50	-5.4	V	3.0	35.8	1.0	-40.2	-25.0	-15.2	
10730.00	-9.7	V	3.0	35.7	1.0	-44.4	-25.0	-19.4	
5365.00	-11.0	H	3.0	35.4	1.0	-45.5	-25.0	-20.5	
8047.50	-5.9	H	3.0	35.8	1.0	-40.7	-25.0	-15.7	
10730.00	-9.0	H	3.0	35.7	1.0	-43.7	-25.0	-18.7	

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Band

LTE41

15MHz

QPSK

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/2/2015
Test Engineer: S.Tran
Configuration: X-pos EUT , AC Adapter, Headset; RF Unit 2
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
Low Ch, 2503.5									
5007.00	-10.6	V	3.0	35.5	1.0	-45.1	-25.0	-20.1	
7510.50	-7.8	V	3.0	35.7	1.0	-42.5	-25.0	-17.5	
10014.00	-6.5	V	3.0	36.0	1.0	-41.5	-25.0	-16.5	
5007.00	-9.1	H	3.0	35.5	1.0	-43.5	-25.0	-18.5	
7510.50	-9.2	H	3.0	35.7	1.0	-43.9	-25.0	-18.9	
10014.00	-7.3	H	3.0	36.0	1.0	-42.3	-25.0	-17.3	
Mid Ch, 2593									
5186.00	-13.4	V	3.0	35.4	1.0	-47.8	-25.0	-22.8	
7779.00	-0.4	V	3.0	35.8	1.0	-35.2	-25.0	-10.2	
10372.00	-10.6	V	3.0	35.8	1.0	-45.5	-25.0	-20.5	
5186.00	-15.5	H	3.0	35.4	1.0	-49.9	-25.0	-24.9	
7779.00	-5.4	H	3.0	35.8	1.0	-40.2	-25.0	-15.2	
10372.00	-9.8	H	3.0	35.8	1.0	-44.7	-25.0	-19.7	
High Ch, 2682.5									
5365.00	-14.4	V	3.0	35.4	1.0	-48.9	-25.0	-23.9	
8047.50	-5.1	V	3.0	35.8	1.0	-39.9	-25.0	-14.9	
10730.00	-9.5	V	3.0	35.7	1.0	-44.1	-25.0	-19.1	
5365.00	-10.8	H	3.0	35.4	1.0	-45.2	-25.0	-20.2	
8047.50	-5.7	H	3.0	35.8	1.0	-40.5	-25.0	-15.5	
10730.00	-8.8	H	3.0	35.7	1.0	-43.5	-25.0	-18.5	

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UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/2/2015
Test Engineer: S.Tran
Configuration: X-pos EUT , AC Adapter, Headset; RF Unit 2
Location: Chamber C
Mode: LTE_16QAM Band 41 Harmonics, 10MHz Bandwidth

Band
LTE41
10MHz
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, 2501									
5002.00	-10.8	V	3.0	35.5	1.0	-45.2	-25.0	-20.2	
7503.00	-6.7	V	3.0	35.7	1.0	-41.5	-25.0	-16.5	
10004.00	-5.4	V	3.0	36.0	1.0	-40.5	-25.0	-15.5	
5002.00	-13.7	H	3.0	35.5	1.0	-48.2	-25.0	-23.2	
7503.00	-9.5	H	3.0	35.7	1.0	-44.3	-25.0	-19.3	
10004.00	-8.3	H	3.0	36.0	1.0	-43.3	-25.0	-18.3	
Mid Ch, 2593									
5186.00	-11.6	V	3.0	35.4	1.0	-46.1	-25.0	-21.1	
7779.00	-5.4	V	3.0	35.8	1.0	-40.2	-25.0	-15.2	
10372.00	-14.4	V	3.0	35.8	1.0	-49.3	-25.0	-24.3	
5186.00	-14.7	H	3.0	35.4	1.0	-49.1	-25.0	-24.1	
7779.00	-8.1	H	3.0	35.8	1.0	-42.9	-25.0	-17.9	
10372.00	-14.0	H	3.0	35.8	1.0	-48.8	-25.0	-23.8	
High Ch, 2685									
5370.00	-10.5	V	3.0	35.4	1.0	-44.9	-25.0	-19.9	
8055.00	-10.9	V	3.0	35.8	1.0	-45.7	-25.0	-20.7	
10740.00	-11.4	V	3.0	35.7	1.0	-46.1	-25.0	-21.1	
5370.00	-13.4	H	3.0	35.4	1.0	-47.9	-25.0	-22.9	
8055.00	-8.0	H	3.0	35.8	1.0	-42.8	-25.0	-17.8	
10740.00	-10.6	H	3.0	35.7	1.0	-45.3	-25.0	-20.3	

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Band

LTE41

10MHz

QPSK

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/2/2015
Test Engineer: S.Tran
Configuration: X-pos EUT , AC Adapter, Headset; RF Unit 2
Location: Chamber C
Mode: 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									
5002.00	-10.5	V	3.0	35.5	1.0	-45.0	-25.0	-20.0	
7503.00	-6.5	V	3.0	35.7	1.0	-41.2	-25.0	-16.2	
10004.00	-5.2	V	3.0	36.0	1.0	-40.2	-25.0	-15.2	
5002.00	-13.5	H	3.0	35.5	1.0	-48.0	-25.0	-23.0	
7503.00	-9.3	H	3.0	35.7	1.0	-44.0	-25.0	-19.0	
10004.00	-8.1	H	3.0	36.0	1.0	-43.1	-25.0	-18.1	
Mid Ch, 2593									
5186.00	-11.4	V	3.0	35.4	1.0	-45.8	-25.0	-20.8	
7779.00	-5.2	V	3.0	35.8	1.0	-40.0	-25.0	-15.0	
10372.00	-14.2	V	3.0	35.8	1.0	-49.1	-25.0	-24.1	
5186.00	-14.4	H	3.0	35.4	1.0	-48.9	-25.0	-23.9	
7779.00	-7.9	H	3.0	35.8	1.0	-42.7	-25.0	-17.7	
10372.00	-13.8	H	3.0	35.8	1.0	-48.6	-25.0	-23.6	
High Ch, 2685									
5370.00	-10.2	V	3.0	35.4	1.0	-44.7	-25.0	-19.7	
8055.00	-10.7	V	3.0	35.8	1.0	-45.5	-25.0	-20.5	
10740.00	-11.2	V	3.0	35.7	1.0	-45.9	-25.0	-20.9	
5370.00	-13.2	H	3.0	35.4	1.0	-47.6	-25.0	-22.6	
8055.00	-7.7	H	3.0	35.8	1.0	-42.6	-25.0	-17.6	
10740.00	-10.4	H	3.0	35.7	1.0	-45.0	-25.0	-20.0	

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Band

LTE41

5MHz

16QAM

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/2/2015
Test Engineer: S.Tran
Configuration: X-pos EUT , AC Adapter, Headset; RF Unit 2
Location: Chamber C
Mode: 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
Low Ch, 2498.5									
4997.00	-15.6	V	3.0	35.5	1.0	-50.0	-25.0	-25.0	
7495.50	-8.4	V	3.0	35.7	1.0	-43.2	-25.0	-18.2	
9994.00	-9.2	V	3.0	36.0	1.0	-44.3	-25.0	-19.3	
4997.00	-14.6	H	3.0	35.5	1.0	-49.1	-25.0	-24.1	
7495.50	-11.9	H	3.0	35.7	1.0	-46.7	-25.0	-21.7	
9994.00	-11.3	H	3.0	36.0	1.0	-46.4	-25.0	-21.4	
Mid Ch, 2593									
5186.00	-13.5	V	3.0	35.4	1.0	-47.9	-25.0	-22.9	
7779.00	-5.7	V	3.0	35.8	1.0	-40.5	-25.0	-15.5	
10372.00	-13.8	V	3.0	35.8	1.0	-48.7	-25.0	-23.7	
5186.00	-6.8	H	3.0	35.4	1.0	-41.2	-25.0	-16.2	
7779.00	-5.1	H	3.0	35.8	1.0	-39.8	-25.0	-14.8	
10372.00	-14.0	H	3.0	35.8	1.0	-48.9	-25.0	-23.9	
High Ch, 2687.5									
5375.00	-14.0	V	3.0	35.4	1.0	-48.4	-25.0	-23.4	
8062.50	-9.3	V	3.0	35.8	1.0	-44.1	-25.0	-19.1	
10750.00	-8.1	V	3.0	35.7	1.0	-42.8	-25.0	-17.8	
5375.00	-14.0	H	3.0	35.4	1.0	-48.4	-25.0	-23.4	
8062.50	-9.1	H	3.0	35.8	1.0	-43.9	-25.0	-18.9	
10750.00	-9.5	H	3.0	35.7	1.0	-44.2	-25.0	-19.2	

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Band

LTE41

5MHz

QPSK

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: LG Electronics
Project #: 15I20232
Date: 3/2/2015
Test Engineer: S.Tran
Configuration: X-pos EUT , AC Adapter, Headset; RF Unit 2
Location: Chamber C
Mode: 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
Low Ch, 2498.5									
4997.00	-15.3	V	3.0	35.5	1.0	-49.8	-25.0	-24.8	
7495.50	-8.2	V	3.0	35.7	1.0	-42.9	-25.0	-17.9	
9994.00	-9.0	V	3.0	36.0	1.0	-44.0	-25.0	-19.0	
4997.00	-14.3	H	3.0	35.5	1.0	-48.8	-25.0	-23.8	
7495.50	-11.7	H	3.0	35.7	1.0	-46.4	-25.0	-21.4	
9994.00	-11.1	H	3.0	36.0	1.0	-46.1	-25.0	-21.1	
Mid Ch, 2593									
5186.00	-13.2	V	3.0	35.4	1.0	-47.7	-25.0	-22.7	
7779.00	-5.5	V	3.0	35.8	1.0	-40.2	-25.0	-15.2	
10372.00	-13.6	V	3.0	35.8	1.0	-48.4	-25.0	-23.4	
5186.00	-6.5	H	3.0	35.4	1.0	-41.0	-25.0	-16.0	
7779.00	-4.8	H	3.0	35.8	1.0	-39.6	-25.0	-14.6	
10372.00	-13.8	H	3.0	35.8	1.0	-48.6	-25.0	-23.6	
High Ch, 2687.5									
5375.00	-13.7	V	3.0	35.4	1.0	-48.2	-25.0	-23.2	
8062.50	-9.1	V	3.0	35.8	1.0	-43.9	-25.0	-18.9	
10750.00	-7.8	V	3.0	35.7	1.0	-42.5	-25.0	-17.5	
5375.00	-13.7	H	3.0	35.4	1.0	-48.2	-25.0	-23.2	
8062.50	-8.9	H	3.0	35.8	1.0	-43.7	-25.0	-18.7	
10750.00	-9.3	H	3.0	35.7	1.0	-44.0	-25.0	-19.0	

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