

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:		LG								
Project #:		14U16944								
Date:		01/22/14								
Test Engineer:		Kiya Kedida								
Configuration:		EUT w/ AC Adapter								
Mode:		TX, LTE B41 20MHZ QPSK								
Chamber		Pre-amplifer			Filter		Limit			
3m Chamber C		T145 8449B			Filter 1		Part 22			
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE41 20MH z QPSK	Low Ch, (2506 MHz)									
	5.012	-16.4	V	3.0	28.9	1.0	-44.3	-25.0	-19.3	
	7.518	-9.8	V	3.0	26.3	1.0	-35.1	-25.0	-10.1	
	10.553	-8.0	V	3.0	22.9	1.0	-29.9	-25.0	-4.9	
	5.012	-16.6	H	3.0	28.9	1.0	-44.5	-25.0	-19.5	
	7.518	-8.1	H	3.0	26.3	1.0	-33.5	-25.0	-8.5	
	10.553	-6.5	H	3.0	22.9	1.0	-28.4	-25.0	-3.4	
	Mid Ch, (2593 MHz)									
	5.186	-16.4	V	3.0	28.7	1.0	-44.1	-25.0	-19.1	
7.779	-8.9	V	3.0	26.0	1.0	-33.8	-25.0	-8.8		
10.372	-7.4	V	3.0	23.0	1.0	-29.4	-25.0	-4.4		
5.186	-15.4	H	3.0	28.7	1.0	-43.1	-25.0	-18.1		
7.779	-8.0	H	3.0	26.0	1.0	-33.0	-25.0	-8.0		
10.372	-6.3	H	3.0	23.0	1.0	-28.3	-25.0	-3.3		
High Ch, (2680 MHz)										
5.360	-15.5	V	3.0	28.5	1.0	-43.0	-25.0	-18.0		
8.040	-9.6	V	3.0	25.6	1.0	-34.2	-25.0	-9.2		
10.720	-6.7	V	3.0	22.9	1.0	-28.6	-25.0	-3.6		
5.360	-14.5	H	3.0	28.5	1.0	-42.0	-25.0	-17.0		
8.040	-8.8	H	3.0	25.6	1.0	-33.4	-25.0	-8.4		
10.720	-7.3	H	3.0	22.9	1.0	-29.1	-25.0	-4.1		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/22/14  
**Test Engineer:** Kiya Kedida  
**Configuration:** EUT w/ AC charger  
**Mode:** TX, LTE B4 15MHZ 16QAM

<b>Chamber</b>	<b>Pre-amplifier</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber C	T145 8449B	Filter 1	Part 22

Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Note
LTE41 15MH z 16QA M	Low Ch, (2503.5 MHz)									
	5.007	-17.1	V	3.0	28.9	1.0	-45.0	-25.0	-20.0	
	7.511	-10.0	V	3.0	26.3	1.0	-35.4	-25.0	-10.4	
	10.014	-7.7	V	3.0	23.1	1.0	-29.8	-25.0	-4.8	
	5.007	-16.3	H	3.0	28.9	1.0	-44.2	-25.0	-19.2	
	7.511	-9.5	H	3.0	26.3	1.0	-34.8	-25.0	-9.8	
	10.014	-7.6	H	3.0	23.1	1.0	-29.7	-25.0	-4.7	
	Mid Ch, (2593 MHz)									
	5.186	-16.9	V	3.0	28.7	1.0	-44.6	-25.0	-19.6	
	7.779	-9.1	V	3.0	26.0	1.0	-34.1	-25.0	-9.1	
	10.372	-8.1	V	3.0	23.0	1.0	-30.1	-25.0	-5.1	
	5.186	-17.0	H	3.0	28.7	1.0	-44.7	-25.0	-19.7	
	7.779	-7.9	H	3.0	26.0	1.0	-32.9	-25.0	-7.9	
	10.372	-7.3	H	3.0	23.0	1.0	-29.3	-25.0	-4.3	
	High Ch, (2682.5 MHz)									
	5.365	-16.5	V	3.0	28.5	1.0	-44.0	-25.0	-19.0	
	8.052	-9.8	V	3.0	25.6	1.0	-34.5	-25.0	-9.5	
	10.730	-7.5	V	3.0	22.9	1.0	-29.4	-25.0	-4.4	
5.365	-16.9	H	3.0	28.5	1.0	-44.4	-25.0	-19.4		
8.052	-8.7	H	3.0	25.6	1.0	-33.3	-25.0	-8.3		
10.730	-7.7	H	3.0	22.9	1.0	-29.6	-25.0	-4.6		

Rev. 03.03.09

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

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/22/14  
**Test Engineer:** Kiya Kedida  
**Configuration:** EUT w/ AC charger  
**Mode:** TX, LTE B4 15MHZ QPSK

<b>Chamber</b>	<b>Pre-amplifier</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber C	T145 8449B	Filter 1	Part 22

Band  
 LTE41  
 15MH  
 z  
 QPSK

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Note
<b>Low Ch, (2503.5 MHz)</b>									
5.007	-16.6	V	3.0	28.9	1.0	-44.5	-25.0	-19.5	
7.511	-9.0	V	3.0	26.3	1.0	-34.3	-25.0	-9.3	
10.014	-7.1	V	3.0	23.1	1.0	-29.2	-25.0	-4.2	
5.007	-16.2	H	3.0	28.9	1.0	-44.1	-25.0	-19.1	
7.511	-8.3	H	3.0	26.3	1.0	-33.6	-25.0	-8.6	
10.014	-7.1	H	3.0	23.1	1.0	-29.2	-25.0	-4.2	
<b>Mid Ch, (2593 MHz)</b>									
5.186	-16.3	V	3.0	28.7	1.0	-44.0	-25.0	-19.0	
7.779	-8.5	V	3.0	26.0	1.0	-33.5	-25.0	-8.5	
10.372	-7.2	V	3.0	23.0	1.0	-29.2	-25.0	-4.2	
5.186	-16.5	H	3.0	28.7	1.0	-44.2	-25.0	-19.2	
7.779	-7.5	H	3.0	26.0	1.0	-32.5	-25.0	-7.5	
10.372	-6.3	H	3.0	23.0	1.0	-28.3	-25.0	-3.3	
<b>High Ch, (2682.5 MHz)</b>									
5.365	-15.8	V	3.0	28.5	1.0	-43.4	-25.0	-18.4	
8.052	-9.2	V	3.0	25.6	1.0	-33.8	-25.0	-8.8	
10.730	-6.6	V	3.0	22.9	1.0	-28.5	-25.0	-3.5	
5.365	-16.0	H	3.0	28.5	1.0	-43.5	-25.0	-18.5	
8.052	-7.9	H	3.0	25.6	1.0	-32.5	-25.0	-7.5	
10.730	-7.1	H	3.0	22.9	1.0	-29.0	-25.0	-4.0	

Rev. 03.03.09

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

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/22/14  
**Test Engineer:** Kiya Kedida  
**Configuration:** EUT w/ AC Adapter  
**Mode:** TX, LTE band 41, 10MHz, 16QAM

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber C	T145 8449B	Filter 1	Part 24

Band  
 LTE41  
 10MH  
 z  
 16QA  
 M

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (2501 MHz)</b>									
5.002	-17.4	V	3.0	28.9	1.0	-45.3	-25.0	-20.3	
7.503	-10.3	V	3.0	26.3	1.0	-35.7	-25.0	-10.7	
10.004	-8.4	V	3.0	23.1	1.0	-30.5	-25.0	-5.5	
5.002	-16.2	H	3.0	28.9	1.0	-44.1	-25.0	-19.1	
7.503	-8.1	H	3.0	26.3	1.0	-33.4	-25.0	-8.4	
10.004	-8.0	H	3.0	23.1	1.0	-30.1	-25.0	-5.1	
<b>Mid Ch, (2593 MHz)</b>									
5.186	-16.4	V	3.0	28.7	1.0	-44.1	-25.0	-19.1	
7.779	-10.0	V	3.0	26.0	1.0	-35.0	-25.0	-10.0	
10.372	-7.8	V	3.0	23.0	1.0	-29.8	-25.0	-4.8	
5.186	-16.1	H	3.0	28.7	1.0	-43.8	-25.0	-18.8	
7.779	-8.2	H	3.0	26.0	1.0	-33.2	-25.0	-8.2	
10.372	-6.7	H	3.0	23.0	1.0	-28.7	-25.0	-3.7	
<b>High Ch, (2685 MHz)</b>									
5.375	-16.0	V	3.0	28.5	1.0	-43.6	-25.0	-18.6	
8.055	-9.2	V	3.0	25.6	1.0	-33.9	-25.0	-8.9	
10.740	-7.8	V	3.0	22.9	1.0	-29.7	-25.0	-4.7	
5.375	-15.3	H	3.0	28.5	1.0	-42.9	-25.0	-17.9	
8.055	-8.5	H	3.0	25.6	1.0	-33.1	-25.0	-8.1	
10.740	-7.5	H	3.0	22.9	1.0	-29.4	-25.0	-4.4	

Rev. 03.03.09

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

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/22/14  
**Test Engineer:** Kiya Kedida  
**Configuration:** EUT w/ AC Adapter  
**Mode:** TX, LTE band 41, 10MHz, QPSK

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber C	T145 8449B	Filter 1	Part 24

Band  
 LTE41  
 10MH  
 z  
 QPSK

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (2501 MHz)</b>									
5.002	-16.7	V	3.0	28.9	1.0	-44.6	-25.0	-19.6	
7.503	-9.6	V	3.0	26.3	1.0	-35.0	-25.0	-10.0	
10.004	-7.8	V	3.0	23.1	1.0	-29.9	-25.0	-4.9	
5.002	-15.8	H	3.0	28.9	1.0	-43.7	-25.0	-18.7	
7.503	-7.6	H	3.0	26.3	1.0	-33.0	-25.0	-8.0	
10.004	-7.2	H	3.0	23.1	1.0	-29.3	-25.0	-4.3	
<b>Mid Ch, (2593 MHz)</b>									
5.186	-16.0	V	3.0	28.7	1.0	-43.7	-25.0	-18.7	
7.779	-8.5	V	3.0	26.0	1.0	-33.5	-25.0	-8.5	
10.372	-6.7	V	3.0	23.0	1.0	-28.7	-25.0	-3.7	
5.186	-15.6	H	3.0	28.7	1.0	-43.3	-25.0	-18.3	
7.779	-7.5	H	3.0	26.0	1.0	-32.5	-25.0	-7.5	
10.372	-6.5	H	3.0	23.0	1.0	-28.5	-25.0	-3.5	
<b>High Ch, (2685 MHz)</b>									
5.375	-15.7	V	3.0	28.5	1.0	-43.3	-25.0	-18.3	
8.055	-9.0	V	3.0	25.6	1.0	-33.6	-25.0	-8.6	
10.740	-6.8	V	3.0	22.9	1.0	-28.7	-25.0	-3.7	
5.375	-15.1	H	3.0	28.5	1.0	-42.6	-25.0	-17.6	
8.055	-8.2	H	3.0	25.6	1.0	-32.8	-25.0	-7.8	
10.740	-6.6	H	3.0	22.9	1.0	-28.4	-25.0	-3.4	

Rev. 03.03.09  
 Note: No other emissions were detected above the system noise floor.

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** Kiya Kedida  
**Configuration:** EUT with AC adapter  
**Mode:** TX, LTE B26 10MHZ har 16QAM

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
5m Chamber C	T145 8449B	Filter 1	Part 22

Band  
 LTE26  
 10MH  
 z  
 16QA  
 M

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (819MHz)</b>									
1.638	-21.6	V	3.0	32.7	1.0	-53.2	-13.0	-40.2	
2.457	-18.2	V	3.0	31.3	1.0	-48.5	-13.0	-35.5	
3.276	-16.1	V	3.0	30.6	1.0	-45.7	-13.0	-32.7	
1.638	-21.0	H	3.0	32.7	1.0	-52.7	-13.0	-39.7	
2.457	-19.6	H	3.0	31.3	1.0	-49.8	-13.0	-36.8	
3.276	-15.8	H	3.0	30.6	1.0	-45.4	-13.0	-32.4	
<b>Mid Ch, (831.5MHz)</b>									
1.663	-21.2	V	3.0	32.6	1.0	-52.8	-13.0	-39.8	
2.495	-17.7	V	3.0	31.5	1.0	-48.2	-13.0	-35.2	
3.326	-15.5	V	3.0	30.5	1.0	-45.0	-13.0	-32.0	
1.663	-20.4	H	3.0	32.6	1.0	-52.1	-13.0	-39.1	
2.495	-19.6	H	3.0	31.5	1.0	-50.0	-13.0	-37.0	
3.326	-15.9	H	3.0	30.5	1.0	-45.4	-13.0	-32.4	
<b>High Ch, (844MHz)</b>									
1.688	-20.5	V	3.0	32.6	1.0	-52.1	-13.0	-39.1	
2.532	-18.9	V	3.0	31.5	1.0	-49.3	-13.0	-36.3	
3.376	-16.9	V	3.0	30.5	1.0	-46.3	-13.0	-33.3	
1.688	-21.1	H	3.0	32.6	1.0	-52.7	-13.0	-39.7	
2.532	-19.7	H	3.0	31.5	1.0	-50.1	-13.0	-37.1	
3.376	-16.0	H	3.0	30.5	1.0	-45.5	-13.0	-32.5	

Rev. 03.03.09  
 Note: No other emissions were detected above the system noise floor.

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** Kiya Kedida  
**Configuration:** EUT with AC adapter  
**Mode:** TX, LTE B26 10MHZ har QPSK

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
5m Chamber C	T145 8449B	Filter 1	Part 22

Band  
 LTE26  
 10MH  
 z  
 QPSK

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (819MHz)</b>									
1.638	-21.2	V	3.0	32.7	1.0	-52.9	-13.0	-39.9	
2.457	-17.6	V	3.0	31.3	1.0	-47.9	-13.0	-34.9	
3.276	-15.2	V	3.0	30.6	1.0	-44.7	-13.0	-31.7	
1.638	-20.1	H	3.0	32.7	1.0	-51.8	-13.0	-38.8	
2.457	-19.1	H	3.0	31.3	1.0	-49.3	-13.0	-36.3	
3.276	-15.5	H	3.0	30.6	1.0	-45.1	-13.0	-32.1	
<b>Mid Ch, (831.5MHz)</b>									
1.663	-20.6	V	3.0	32.6	1.0	-52.2	-13.0	-39.2	
2.495	-16.7	V	3.0	31.5	1.0	-47.2	-13.0	-34.2	
3.326	-14.6	V	3.0	30.5	1.0	-44.1	-13.0	-31.1	
1.663	-18.6	H	3.0	32.6	1.0	-50.2	-13.0	-37.2	
2.495	-19.6	H	3.0	31.5	1.0	-50.1	-13.0	-37.1	
3.326	-15.2	H	3.0	30.5	1.0	-44.7	-13.0	-31.7	
<b>High Ch, (844MHz)</b>									
1.688	-19.6	V	3.0	32.6	1.0	-51.1	-13.0	-38.1	
2.532	-17.1	V	3.0	31.5	1.0	-47.6	-13.0	-34.6	
3.376	-14.9	V	3.0	30.5	1.0	-44.4	-13.0	-31.4	
1.688	-20.0	H	3.0	32.6	1.0	-51.6	-13.0	-38.6	
2.532	-18.7	H	3.0	31.5	1.0	-49.1	-13.0	-36.1	
3.376	-14.7	H	3.0	30.5	1.0	-44.2	-13.0	-31.2	

Rev. 03.03.09

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

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** R. Alegre  
**Configuration:** EUT with AC charger  
**Mode:** TX, LTE B26 5MHz har 16QAM

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber	T145 8449B	Filter 1	Part 22

Band  
 LTE26  
 5MHz  
 16QA  
 M

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (816.5MHz)</b>									
1.633	-19.4	V	3.0	32.7	1.0	-51.1	-13.0	-38.1	
2.450	-24.8	V	3.0	31.2	1.0	-55.0	-13.0	-42.0	
3.266	-23.2	V	3.0	30.6	1.0	-52.7	-13.0	-39.7	
1.633	-18.9	H	3.0	32.7	1.0	-50.5	-13.0	-37.5	
2.450	-27.0	H	3.0	31.2	1.0	-57.3	-13.0	-44.3	
3.266	-22.8	H	3.0	30.6	1.0	-52.4	-13.0	-39.4	
<b>Mid Ch, (831.5MHz)</b>									
1.663	-16.2	V	3.0	32.6	1.0	-47.8	-13.0	-34.8	
2.495	-24.8	V	3.0	31.5	1.0	-55.3	-13.0	-42.3	
3.326	-23.0	V	3.0	30.5	1.0	-52.5	-13.0	-39.5	
1.663	-16.7	H	3.0	32.6	1.0	-48.4	-13.0	-35.4	
2.495	-26.1	H	3.0	31.5	1.0	-56.6	-13.0	-43.6	
3.326	-23.0	H	3.0	30.5	1.0	-52.5	-13.0	-39.5	
<b>High Ch, (846.5MHz)</b>									
1.693	-23.1	V	3.0	32.6	1.0	-54.7	-13.0	-41.7	
2.540	-24.8	V	3.0	31.4	1.0	-55.2	-13.0	-42.2	
3.386	-22.6	V	3.0	30.5	1.0	-52.1	-13.0	-39.1	
1.693	-22.7	H	3.0	32.6	1.0	-54.3	-13.0	-41.3	
2.540	-25.8	H	3.0	31.4	1.0	-56.2	-13.0	-43.2	
3.386	-23.1	H	3.0	30.5	1.0	-52.5	-13.0	-39.5	

Rev. 03.03.09

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



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 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** R. Alegre  
**Configuration:** EUT with AC charger  
**Mode:** TX, LTE B26 5MHz har QPSK

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber	T145 8449B	Filter 1	Part 22

Band  
 LTE26  
 5MHz  
 QPSK

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (816.5MHz)</b>									
1.633	-19.7	V	3.0	32.7	1.0	-51.4	-13.0	-38.4	
2.450	-24.8	V	3.0	31.2	1.0	-55.0	-13.0	-42.0	
3.266	-23.2	V	3.0	30.6	1.0	-52.7	-13.0	-39.7	
1.633	-20.2	H	3.0	32.7	1.0	-51.8	-13.0	-38.8	
2.450	-26.7	H	3.0	31.2	1.0	-57.0	-13.0	-44.0	
3.266	-23.3	H	3.0	30.6	1.0	-52.9	-13.0	-39.9	
<b>Mid Ch, (831.5MHz)</b>									
1.663	-16.2	V	3.0	32.6	1.0	-47.9	-13.0	-34.9	
2.495	-24.4	V	3.0	31.5	1.0	-54.9	-13.0	-41.9	
3.326	-22.4	V	3.0	30.5	1.0	-51.9	-13.0	-38.9	
1.663	-16.5	H	3.0	32.6	1.0	-48.1	-13.0	-35.1	
2.495	-26.5	H	3.0	31.5	1.0	-57.0	-13.0	-44.0	
3.326	-22.2	H	3.0	30.5	1.0	-51.7	-13.0	-38.7	
<b>High Ch, (846.5MHz)</b>									
1.693	-22.9	V	3.0	32.6	1.0	-54.5	-13.0	-41.5	
2.540	-24.3	V	3.0	31.4	1.0	-54.8	-13.0	-41.8	
3.386	-22.3	V	3.0	30.5	1.0	-51.7	-13.0	-38.7	
1.693	-22.5	H	3.0	32.6	1.0	-54.1	-13.0	-41.1	
2.540	-25.7	H	3.0	31.4	1.0	-56.2	-13.0	-43.2	
3.386	-22.9	H	3.0	30.5	1.0	-52.3	-13.0	-39.3	

Rev. 03.03.09

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

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** R. Alegre  
**Configuration:** EUT with AC adapter  
**Mode:** TX, LTE B26 3MHz har 16QAM

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber	T145 8449B	Filter 1	Part 22

Band  
 LTE26  
 3MHz  
 16QA  
 M

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (815.5MHz)</b>									
1.631	-20.5	V	3.0	32.7	1.0	-52.2	-13.0	-39.2	
2.447	-24.5	V	3.0	31.2	1.0	-54.7	-13.0	-41.7	
3.262	-21.9	V	3.0	30.6	1.0	-51.4	-13.0	-38.4	
1.631	-17.5	H	3.0	32.7	1.0	-49.2	-13.0	-36.2	
2.447	-26.6	H	3.0	31.2	1.0	-56.9	-13.0	-43.9	
3.262	-23.5	H	3.0	30.6	1.0	-53.0	-13.0	-40.0	
<b>Mid Ch, (831.5MHz)</b>									
1.663	-16.0	V	3.0	32.6	1.0	-47.6	-13.0	-34.6	
2.495	-24.4	V	3.0	31.5	1.0	-54.9	-13.0	-41.9	
3.326	-22.7	V	3.0	30.5	1.0	-52.3	-13.0	-39.3	
1.663	-16.5	H	3.0	32.6	1.0	-48.1	-13.0	-35.1	
2.495	-25.9	H	3.0	31.5	1.0	-56.3	-13.0	-43.3	
3.326	-21.9	H	3.0	30.5	1.0	-51.4	-13.0	-38.4	
<b>High Ch, (847.5MHz)</b>									
1.695	-22.8	V	3.0	32.6	1.0	-54.4	-13.0	-41.4	
2.543	-25.0	V	3.0	31.4	1.0	-55.4	-13.0	-42.4	
3.390	-22.7	V	3.0	30.5	1.0	-52.2	-13.0	-39.2	
1.695	-21.1	H	3.0	32.6	1.0	-52.6	-13.0	-39.6	
2.543	-26.9	H	3.0	31.4	1.0	-57.3	-13.0	-44.3	
3.390	-23.5	H	3.0	30.5	1.0	-53.0	-13.0	-40.0	

Rev. 03.03.09

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

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** R. Alegre  
**Configuration:** EUT with AC adapter  
**Mode:** TX, LTE B26 3MHz har QPSK

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber	T145 8449B	Filter 1	Part 22

Band  
 LTE26  
 3MHz  
 QPSK

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (815.5MHz)</b>									
1.631	-19.5	V	3.0	32.7	1.0	-51.2	-13.0	-38.2	
2.447	-24.5	V	3.0	31.2	1.0	-54.7	-13.0	-41.7	
3.262	-22.9	V	3.0	30.6	1.0	-52.4	-13.0	-39.4	
1.631	-18.3	H	3.0	32.7	1.0	-50.0	-13.0	-37.0	
2.447	-26.1	H	3.0	31.2	1.0	-56.3	-13.0	-43.3	
3.262	-23.2	H	3.0	30.6	1.0	-52.8	-13.0	-39.8	
<b>Mid Ch, (831.5MHz)</b>									
1.663	-16.0	V	3.0	32.6	1.0	-47.7	-13.0	-34.7	
2.495	-24.5	V	3.0	31.5	1.0	-55.0	-13.0	-42.0	
3.326	-22.8	V	3.0	30.5	1.0	-52.3	-13.0	-39.3	
1.663	-16.6	H	3.0	32.6	1.0	-48.2	-13.0	-35.2	
2.495	-26.0	H	3.0	31.5	1.0	-56.5	-13.0	-43.5	
3.326	-22.9	H	3.0	30.5	1.0	-52.4	-13.0	-39.4	
<b>High Ch, (847.5MHz)</b>									
1.695	-23.5	V	3.0	32.6	1.0	-55.0	-13.0	-42.0	
2.543	-24.9	V	3.0	31.4	1.0	-55.4	-13.0	-42.4	
3.390	-22.9	V	3.0	30.5	1.0	-52.3	-13.0	-39.3	
1.695	-21.7	H	3.0	32.6	1.0	-53.2	-13.0	-40.2	
2.543	-26.0	H	3.0	31.4	1.0	-56.5	-13.0	-43.5	
3.390	-22.5	H	3.0	30.5	1.0	-51.9	-13.0	-38.9	

Rev. 03.03.09

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

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** R. Alegre  
**Configuration:** EUT with AC adapter  
**Mode:** TX, LTE B26 1.4MHz har 16QAM

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber	T145 8449B	Filter 1	Part 22

Band  
 LTE26  
 1.4MHz  
 z  
 16QAM

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (814.7MHz)</b>									
1.629	-18.2	V	3.0	32.7	1.0	-49.9	-13.0	-36.9	
2.444	-25.5	V	3.0	31.2	1.0	-55.7	-13.0	-42.7	
3.258	-23.5	V	3.0	30.6	1.0	-53.1	-13.0	-40.1	
1.629	-19.2	H	3.0	32.7	1.0	-50.9	-13.0	-37.9	
2.444	-26.8	H	3.0	31.2	1.0	-57.0	-13.0	-44.0	
3.258	-23.6	H	3.0	30.6	1.0	-53.2	-13.0	-40.2	
<b>Mid Ch, (831.5MHz)</b>									
1.663	-16.8	V	3.0	32.6	1.0	-48.5	-13.0	-35.5	
2.495	-24.5	V	3.0	31.5	1.0	-54.9	-13.0	-41.9	
3.326	-23.4	V	3.0	30.5	1.0	-52.9	-13.0	-39.9	
1.663	-18.0	H	3.0	32.6	1.0	-49.6	-13.0	-36.6	
2.495	-26.3	H	3.0	31.5	1.0	-56.8	-13.0	-43.8	
3.326	-23.5	H	3.0	30.5	1.0	-53.0	-13.0	-40.0	
<b>High Ch, (848.3MHz)</b>									
1.697	-22.5	V	3.0	32.6	1.0	-54.1	-13.0	-41.1	
2.545	-24.8	V	3.0	31.4	1.0	-55.2	-13.0	-42.2	
3.393	-22.3	V	3.0	30.5	1.0	-51.8	-13.0	-38.8	
1.697	-19.6	H	3.0	32.6	1.0	-51.1	-13.0	-38.1	
2.545	-26.2	H	3.0	31.4	1.0	-56.6	-13.0	-43.6	
3.393	-24.0	H	3.0	30.5	1.0	-53.5	-13.0	-40.5	

Rev. 03.03.09

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

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** R. Alegre  
**Configuration:** EUT with AC adapter  
**Mode:** TX, LTE B26 1.4MHz har QPSK

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber	T145 8449B	Filter 1	Part 22

Band  
 LTE26  
 1.4MH  
 z  
 QPSK

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (814.7MHz)</b>									
1.629	-19.5	V	3.0	32.7	1.0	-51.2	-13.0	-38.2	
2.444	-25.2	V	3.0	31.2	1.0	-55.4	-13.0	-42.4	
3.258	-23.3	V	3.0	30.6	1.0	-52.8	-13.0	-39.8	
1.629	-19.4	H	3.0	32.7	1.0	-51.2	-13.0	-38.2	
2.444	-26.2	H	3.0	31.2	1.0	-56.4	-13.0	-43.4	
3.258	-23.7	H	3.0	30.6	1.0	-53.3	-13.0	-40.3	
<b>Mid Ch, (831.5MHz)</b>									
1.663	-17.3	V	3.0	32.6	1.0	-48.9	-13.0	-35.9	
2.495	-24.5	V	3.0	31.5	1.0	-55.0	-13.0	-42.0	
3.326	-23.6	V	3.0	30.5	1.0	-53.1	-13.0	-40.1	
1.663	-16.9	H	3.0	32.6	1.0	-48.5	-13.0	-35.5	
2.495	-26.9	H	3.0	31.5	1.0	-57.4	-13.0	-44.4	
3.326	-23.1	H	3.0	30.5	1.0	-52.7	-13.0	-39.7	
<b>High Ch, (848.3MHz)</b>									
1.697	-22.3	V	3.0	32.6	1.0	-53.9	-13.0	-40.9	
2.545	-25.2	V	3.0	31.4	1.0	-55.6	-13.0	-42.6	
3.393	-22.7	V	3.0	30.5	1.0	-52.1	-13.0	-39.1	
1.697	-19.3	H	3.0	32.6	1.0	-50.8	-13.0	-37.8	
2.545	-26.6	H	3.0	31.4	1.0	-57.0	-13.0	-44.0	
3.393	-23.2	H	3.0	30.5	1.0	-52.7	-13.0	-39.7	

Rev. 03.03.09

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

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		14U16944								
<b>Date:</b>		01/23/14								
<b>Test Engineer:</b>		R. Alegre								
<b>Configuration:</b>		EUT , Y pos w/ AC Adapter								
<b>Mode:</b>		TX, LTE band 25, 10MHz, 16QAM								
<b>Chamber</b>		<b>Pre-amplifier</b>		<b>Filter</b>		<b>Limit</b>				
3m Chamber		T145 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE2 5 10MH z 16QA M	Low Ch, (1855 MHz)									
	3.710	-21.3	V	3.0	30.2	1.0	-50.5	-13.0	-37.5	
	5.565	-19.7	V	3.0	28.4	1.0	-47.1	-13.0	-34.1	
	7.420	-14.8	V	3.0	26.5	1.0	-40.3	-13.0	-27.3	
	3.710	-22.2	H	3.0	30.2	1.0	-51.4	-13.0	-38.4	
	5.565	-17.7	H	3.0	28.4	1.0	-45.0	-13.0	-32.0	
	7.420	-12.6	H	3.0	26.5	1.0	-38.1	-13.0	-25.1	
	Mid Ch, (1882.5 MHz)									
	3.765	-21.7	V	3.0	30.1	1.0	-50.9	-13.0	-37.9	
5.648	-19.3	V	3.0	28.3	1.0	-46.5	-13.0	-33.5		
7.530	-12.5	V	3.0	26.3	1.0	-37.8	-13.0	-24.8		
3.765	-22.2	H	3.0	30.1	1.0	-51.3	-13.0	-38.3		
5.648	-18.8	H	3.0	28.3	1.0	-46.0	-13.0	-33.0		
7.530	-11.9	H	3.0	26.3	1.0	-37.3	-13.0	-24.3		
High Ch, (1909.8 MHz)										
3.820	-21.6	V	3.0	30.1	1.0	-50.7	-13.0	-37.7		
5.730	-18.0	V	3.0	28.2	1.0	-45.2	-13.0	-32.2		
7.640	-11.0	V	3.0	26.2	1.0	-36.2	-13.0	-23.2		
3.820	-21.2	H	3.0	30.1	1.0	-50.3	-13.0	-37.3		
5.730	-19.4	H	3.0	28.2	1.0	-46.6	-13.0	-33.6		
7.640	-11.1	H	3.0	26.2	1.0	-36.2	-13.0	-23.2		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		14U16944								
<b>Date:</b>		01/23/14								
<b>Test Engineer:</b>		R. Alegre								
<b>Configuration:</b>		EUT , Y position w/ AC Adapter								
<b>Mode:</b>		TX, LTE band 25, 10MHz, QPSK								
<b>Chamber</b>		<b>Pre-amplifier</b>		<b>Filter</b>		<b>Limit</b>				
3m Chamber		T145 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE2 5 10MH z QPS K	Low Ch, (1855 MHz)									
	3.710	-21.3	V	3.0	30.2	1.0	-50.5	-13.0	-37.5	
	5.565	-19.5	V	3.0	28.4	1.0	-46.8	-13.0	-33.8	
	7.420	-14.1	V	3.0	26.5	1.0	-39.5	-13.0	-26.5	
	3.710	-21.9	H	3.0	30.2	1.0	-51.1	-13.0	-38.1	
	5.565	-18.7	H	3.0	28.4	1.0	-46.0	-13.0	-33.0	
	7.420	-10.8	H	3.0	26.5	1.0	-36.3	-13.0	-23.3	
	Mid Ch, (1882.5 MHz)									
	3.765	-21.7	V	3.0	30.1	1.0	-50.8	-13.0	-37.8	
5.648	-19.1	V	3.0	28.3	1.0	-46.4	-13.0	-33.4		
7.530	-10.2	V	3.0	26.3	1.0	-35.5	-13.0	-22.5		
3.765	-21.5	H	3.0	30.1	1.0	-50.6	-13.0	-37.6		
5.648	-18.3	H	3.0	28.3	1.0	-45.6	-13.0	-32.6		
7.530	-10.5	H	3.0	26.3	1.0	-35.9	-13.0	-22.9		
High Ch, (1910 MHz)										
3.820	-20.9	V	3.0	30.1	1.0	-50.0	-13.0	-37.0		
5.730	-19.3	V	3.0	28.2	1.0	-46.5	-13.0	-33.5		
7.640	-11.3	V	3.0	26.2	1.0	-36.4	-13.0	-23.4		
3.820	-20.9	H	3.0	30.1	1.0	-50.0	-13.0	-37.0		
5.730	-19.1	H	3.0	28.2	1.0	-46.3	-13.0	-33.3		
7.640	-9.1	H	3.0	26.2	1.0	-34.3	-13.0	-21.3		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
<b>Company:</b>		LG								
<b>Project #:</b>		14U16944								
<b>Date:</b>		01/23/14								
<b>Test Engineer:</b>		R. Alegre								
<b>Configuration:</b>		EUT , Y pos w/ AC Adapter								
<b>Mode:</b>		TX, LTE band 25, 5MHz, 16QAM								
Chamber		Pre-amplifer			Filter		Limit			
3m Chamber		T145 8449B			Filter 1		Part 24			
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE25 5MHz 16QA M	Low Ch, (1852.5 MHz)									
	3.705	-22.1	V	3.0	30.2	1.0	-51.3	-13.0	-38.3	
	5.558	-19.5	V	3.0	28.4	1.0	-46.9	-13.0	-33.9	
	7.410	-14.5	V	3.0	26.5	1.0	-40.0	-13.0	-27.0	
	3.705	-22.1	H	3.0	30.2	1.0	-51.3	-13.0	-38.3	
	5.558	-18.0	H	3.0	28.4	1.0	-45.3	-13.0	-32.3	
	7.410	-13.2	H	3.0	26.5	1.0	-38.7	-13.0	-25.7	
	Mid Ch, (1882.5 MHz)									
	3.765	-22.3	V	3.0	30.1	1.0	-51.5	-13.0	-38.5	
5.648	-19.0	V	3.0	28.3	1.0	-46.3	-13.0	-33.3		
7.530	-11.4	V	3.0	26.3	1.0	-36.7	-13.0	-23.7		
3.765	-22.4	H	3.0	30.1	1.0	-51.6	-13.0	-38.6		
5.648	-18.6	H	3.0	28.3	1.0	-45.9	-13.0	-32.9		
7.530	-8.9	H	3.0	26.3	1.0	-34.2	-13.0	-21.2		
High Ch, (1912.5 MHz)										
3.825	-22.2	V	3.0	30.1	1.0	-51.3	-13.0	-38.3		
5.738	-18.9	V	3.0	28.2	1.0	-46.1	-13.0	-33.1		
7.650	-14.4	V	3.0	26.2	1.0	-39.6	-13.0	-26.6		
3.825	-22.3	H	3.0	30.1	1.0	-51.4	-13.0	-38.4		
5.738	-18.5	H	3.0	28.2	1.0	-45.7	-13.0	-32.7		
7.650	-12.9	H	3.0	26.2	1.0	-38.1	-13.0	-25.1		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										



**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** R. Alegre  
**Configuration:** EUT , Y pos w/ AC Adapter  
**Mode:** TX, LTE band 25, 5MHz, QPSK

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber	T145 8449B	Filter 1	Part 24

Band  
 LTE25  
 5MHz  
 QPSK

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (1852.5 MHz)</b>									
3.705	-22.3	V	3.0	30.2	1.0	-51.5	-13.0	-38.5	
5.558	-19.3	V	3.0	28.4	1.0	-46.7	-13.0	-33.7	
7.410	-14.3	V	3.0	26.5	1.0	-39.8	-13.0	-26.8	
3.705	-22.3	H	3.0	30.2	1.0	-51.5	-13.0	-38.5	
5.558	-18.2	H	3.0	28.4	1.0	-45.6	-13.0	-32.6	
7.410	-13.7	H	3.0	26.5	1.0	-39.2	-13.0	-26.2	
<b>Mid Ch, (1882.5 MHz)</b>									
3.765	-22.2	V	3.0	30.1	1.0	-51.3	-13.0	-38.3	
5.648	-18.9	V	3.0	28.3	1.0	-46.1	-13.0	-33.1	
7.530	-11.2	V	3.0	26.3	1.0	-36.5	-13.0	-23.5	
3.765	-22.7	H	3.0	30.1	1.0	-51.9	-13.0	-38.9	
5.648	-18.5	H	3.0	28.3	1.0	-45.7	-13.0	-32.7	
7.530	-9.2	H	3.0	26.3	1.0	-34.5	-13.0	-21.5	
<b>High Ch, (1912.5 MHz)</b>									
3.825	-22.1	V	3.0	30.1	1.0	-51.2	-13.0	-38.2	
5.738	-18.0	V	3.0	28.2	1.0	-45.2	-13.0	-32.2	
7.650	-13.8	V	3.0	26.2	1.0	-38.9	-13.0	-25.9	
3.825	-22.0	H	3.0	30.1	1.0	-51.1	-13.0	-38.1	
5.738	118.9	H	3.0	28.2	1.0	91.7	-13.0	104.7	
7.650	-11.7	H	3.0	26.2	1.0	-36.8	-13.0	-23.8	

Rev. 03.03.09

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

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:		LG								
Project #:		14U16944								
Date:		01/23/14								
Test Engineer:		R. Alegre								
Configuration:		EUT , Y pos w/ AC Adapter								
Mode:		TX, LTE band 25, 3MHz, 16QAM								
Chamber		Pre-amplifer			Filter		Limit			
3m Chamber		T145 8449B			Filter 1		Part 24			
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE25 3MHz 16QA M	Low Ch, (1851.5 MHz)									
	3.703	-22.2	V	3.0	30.2	1.0	-51.4	-13.0	-38.4	
	5.555	-20.1	V	3.0	28.4	1.0	-47.4	-13.0	-34.4	
	7.406	-14.9	V	3.0	26.5	1.0	-40.4	-13.0	-27.4	
	3.703	-22.1	H	3.0	30.2	1.0	-51.3	-13.0	-38.3	
	5.555	-17.1	H	3.0	28.4	1.0	-44.5	-13.0	-31.5	
	7.406	-12.0	H	3.0	26.5	1.0	-37.5	-13.0	-24.5	
	Mid Ch, (1882.5 MHz)									
	3.765	-22.4	V	3.0	30.1	1.0	-51.5	-13.0	-38.5	
5.647	-18.5	V	3.0	28.3	1.0	-45.8	-13.0	-32.8		
7.530	-10.5	V	3.0	26.3	1.0	-35.8	-13.0	-22.8		
3.765	-22.1	H	3.0	30.1	1.0	-51.2	-13.0	-38.2		
5.647	-18.0	H	3.0	28.3	1.0	-45.3	-13.0	-32.3		
7.530	-9.0	H	3.0	26.3	1.0	-34.3	-13.0	-21.3		
High Ch, (1913.5 MHz)										
3.828	-22.2	V	3.0	30.1	1.0	-51.3	-13.0	-38.3		
5.741	-18.4	V	3.0	28.2	1.0	-45.6	-13.0	-32.6		
7.654	-9.2	V	3.0	26.1	1.0	-34.4	-13.0	-21.4		
3.828	-22.3	H	3.0	30.1	1.0	-51.4	-13.0	-38.4		
5.743	-18.6	H	3.0	28.2	1.0	-45.8	-13.0	-32.8		
7.654	-10.3	H	3.0	26.1	1.0	-35.5	-13.0	-22.5		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** R. Alegre  
**Configuration:** EUT , Y pos w/ AC Adapter  
**Mode:** TX, LTE band 25, 3MHz, QPSK

<b>Chamber</b>	<b>Pre-amplifer</b>	<b>Filter</b>	<b>Limit</b>
3m Chamber	T145 8449B	Filter 1	Part 24

Band  
 LTE25  
 3MHz  
 QPSK

f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch, (1851.5 MHz)</b>									
3.703	-21.8	V	3.0	30.2	1.0	-51.0	-13.0	-38.0	
5.555	-19.8	V	3.0	28.4	1.0	-47.2	-13.0	-34.2	
7.406	-13.9	V	3.0	26.5	1.0	-39.3	-13.0	-26.3	
3.703	-22.5	H	3.0	30.2	1.0	-51.7	-13.0	-38.7	
5.555	-18.2	H	3.0	28.4	1.0	-45.6	-13.0	-32.6	
7.406	-13.9	H	3.0	26.5	1.0	-39.4	-13.0	-26.4	
<b>Mid Ch, (1882.5 MHz)</b>									
3.765	-22.3	V	3.0	30.1	1.0	-51.5	-13.0	-38.5	
5.648	-17.9	V	3.0	28.3	1.0	-45.2	-13.0	-32.2	
7.530	-10.5	V	3.0	26.3	1.0	-35.8	-13.0	-22.8	
3.765	-21.9	H	3.0	30.1	1.0	-51.0	-13.0	-38.0	
5.648	-18.2	H	3.0	28.3	1.0	-45.5	-13.0	-32.5	
7.530	-8.6	H	3.0	26.3	1.0	-33.9	-13.0	-20.9	
<b>High Ch, (1913.5 MHz)</b>									
3.828	-22.2	V	3.0	30.1	1.0	-51.3	-13.0	-38.3	
5.741	-16.1	V	3.0	28.2	1.0	-43.3	-13.0	-30.3	
7.654	-9.1	V	3.0	26.1	1.0	-34.3	-13.0	-21.3	
3.828	-22.1	H	3.0	30.1	1.0	-51.1	-13.0	-38.1	
5.743	-17.6	H	3.0	28.2	1.0	-44.8	-13.0	-31.8	
7.654	-10.3	H	3.0	26.1	1.0	-35.4	-13.0	-22.4	

Rev. 03.03.09

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

**Compliance Certification Services**  
**Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/22/14  
**Test Engineer:** J Jackson  
**Configuration:** Y Position, AC Charger  
**Mode:** EVDO

**Chamber**  
 3m Chamber

**Pre-amplifer**  
 T343 8449B

**Filter**  
 Filter 1

**Limit**  
 Part 24

	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1851.25MHz									
	3.703	-15.6	V	3.0	35.4	1.0	-50.0	-13.0	-37.0	
	5.538	-12.4	V	3.0	34.7	1.0	-46.1	-13.0	-33.1	
	7.405	-12.3	V	3.0	34.9	1.0	-46.2	-13.0	-33.2	
	3.703	-15.9	H	3.0	35.4	1.0	-50.3	-13.0	-37.3	
	5.538	-9.8	H	3.0	34.7	1.0	-43.5	-13.0	-30.5	
	7.405	-6.1	H	3.0	34.9	1.0	-40.0	-13.0	-27.0	
	Mid Ch, 1880.0MHz									
	3.760	-15.2	V	3.0	35.3	1.0	-49.6	-13.0	-36.6	
	5.640	-13.4	V	3.0	34.7	1.0	-47.1	-13.0	-34.1	
	7.520	-12.0	V	3.0	34.9	1.0	-45.9	-13.0	-32.9	
	3.760	-15.7	H	3.0	35.3	1.0	-50.0	-13.0	-37.0	
	5.640	-12.8	H	3.0	34.7	1.0	-46.5	-13.0	-33.5	
	7.520	-11.0	H	3.0	34.9	1.0	-44.9	-13.0	-31.9	
	High Ch, 1908.75 MHz									
	3.820	-16.7	V	3.0	35.3	1.0	-51.0	-13.0	-38.0	
	5.726	-13.0	V	3.0	34.7	1.0	-46.7	-13.0	-33.7	
	7.635	-11.4	V	3.0	34.9	1.0	-45.3	-13.0	-32.3	
	3.820	-16.9	H	3.0	35.3	1.0	-51.1	-13.0	-38.1	
	5.726	-12.6	H	3.0	34.7	1.0	-46.3	-13.0	-33.3	
	7.635	-11.2	H	3.0	34.9	1.0	-45.1	-13.0	-32.1	

Rev. 03.03.09  
 Note: No other emissions were detected above the system noise floor.

Band  
 BC1  
 EVDO  
 REV.  
 A

**Compliance Certification Services  
 Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/22/14  
**Test Engineer:** J Jackson  
**Configuration:** Y Position, AC Charger  
**Mode:** CDMA

Chamber

Pre-amplifer

Filter

Limit

3m Chamber

T343 8449B

Filter 1

Part 24

	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
Band  BC1  1xRTT	Low Ch, 1851.25MHz										
	3.703	-15.4	V	3.0	35.4	1.0	-49.8	-13.0	-36.8		
	5.538	-12.8	V	3.0	34.7	1.0	-46.6	-13.0	-33.6		
	7.405	-12.8	V	3.0	34.9	1.0	-46.7	-13.0	-33.7		
	3.703	-15.1	H	3.0	35.4	1.0	-49.5	-13.0	-36.5		
	5.538	-9.3	H	3.0	34.7	1.0	-43.0	-13.0	-30.0		
	7.405	-5.9	H	3.0	34.9	1.0	-39.8	-13.0	-26.8		
	Mid Ch, 1880.0MHz										
	3.760	-15.1	V	3.0	35.3	1.0	-49.5	-13.0	-36.5		
	5.640	-13.4	V	3.0	34.7	1.0	-47.1	-13.0	-34.1		
	7.520	-12.3	V	3.0	34.9	1.0	-46.3	-13.0	-33.3		
	3.760	-16.1	H	3.0	35.3	1.0	-50.4	-13.0	-37.4		
	5.640	-12.7	H	3.0	34.7	1.0	-46.4	-13.0	-33.4		
	7.520	-10.6	H	3.0	34.9	1.0	-44.5	-13.0	-31.5		
	High Ch, 1908.75 MHz										
	3.820	-16.4	V	3.0	35.3	1.0	-50.7	-13.0	-37.7		
	5.726	-12.2	V	3.0	34.7	1.0	-46.0	-13.0	-33.0		
	7.635	-11.9	V	3.0	34.9	1.0	-45.8	-13.0	-32.8		
	3.820	-17.1	H	3.0	35.3	1.0	-51.4	-13.0	-38.4		
	5.726	-13.3	H	3.0	34.7	1.0	-47.0	-13.0	-34.0		
	7.635	-10.6	H	3.0	34.9	1.0	-44.6	-13.0	-31.6		

Rev. 03.03.09  
 Note: No other emissions were detected above the system noise floor.

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		LG							
Project #:		14U16944							
Date:		01/23/14							
Test Engineer:		Kiya Kedida							
Configuration:		EUT with AC adapter							
Mode:		EVDORA BC0 HARM							
Chamber		Pre-amplifer			Filter		Limit		
3m Chamber C		T343 8449B			Filter 1		Part 24		
f	SG reading	Ant. Pol.	Distance	Preamp	Filter	EIRP	Limit	Delta	Notes
GHz	(dBm)	(H/V)	(m)	(dB)	(dB)	(dBm)	(dBm)	(dB)	
Low Ch, 824.7MHz									
1.650	-18.9	V	3.0	37.4	1.0	-55.3	-13.0	-42.3	
2.474	-24.2	V	3.0	36.4	1.0	-59.6	-13.0	-46.6	
3.298	-21.9	V	3.0	35.8	1.0	-56.7	-13.0	-43.7	
1.650	-19.5	H	3.0	37.4	1.0	-55.8	-13.0	-42.8	
2.474	-26.4	H	3.0	36.4	1.0	-61.8	-13.0	-48.8	
3.298	-23.3	H	3.0	35.8	1.0	-58.1	-13.0	-45.1	
Mid Ch, 836.52MHz									
1.673	-17.1	V	3.0	37.3	1.0	-53.5	-13.0	-40.5	
2.509	-23.8	V	3.0	36.4	1.0	-59.2	-13.0	-46.2	
3.346	-22.5	V	3.0	35.8	1.0	-57.2	-13.0	-44.2	
1.673	-18.4	H	3.0	37.3	1.0	-54.7	-13.0	-41.7	
2.509	-26.3	H	3.0	36.4	1.0	-61.6	-13.0	-48.6	
3.346	-21.8	H	3.0	35.8	1.0	-56.6	-13.0	-43.6	
High Ch, 848.31 MHz									
1.696	-25.1	V	3.0	37.3	1.0	-61.4	-13.0	-48.4	
2.544	-23.5	V	3.0	36.3	1.0	-58.8	-13.0	-45.8	
3.393	-22.6	V	3.0	35.7	1.0	-57.3	-13.0	-44.3	
1.696	-18.2	H	3.0	37.3	1.0	-54.5	-13.0	-41.5	
2.544	-24.2	H	3.0	36.3	1.0	-59.5	-13.0	-46.5	
3.393	-22.0	H	3.0	35.7	1.0	-56.7	-13.0	-43.7	
Rev. 03.03.09									
Note: No other emissions were detected above the system noise floor.									

Band  
BC0  
EVDO  
REV.  
A

**Compliance Certification Services**  
**Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** Kiya Kedida  
**Configuration:** EUT with AC adapter  
**Mode:** RTT BC0 HARM

Chamber

Pre-amplifer

Filter

Limit

3m Chamber C

T343 8449B

Filter 1

Part 24

	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
Band  BC0  1xRTT	Low Ch, 824.7MHz										
		1.650	-26.0	V	3.0	37.4	1.0	-62.4	-13.0	-49.4	
		2.474	-24.6	V	3.0	36.4	1.0	-60.0	-13.0	-47.0	
		3.298	-23.2	V	3.0	35.8	1.0	-58.0	-13.0	-45.0	
		1.650	-23.1	H	3.0	37.4	1.0	-59.4	-13.0	-46.4	
		2.474	-22.3	H	3.0	36.4	1.0	-57.7	-13.0	-44.7	
		3.298	-23.2	H	3.0	35.8	1.0	-58.0	-13.0	-45.0	
	Mid Ch, 836.52MHz										
		1.673	-25.4	V	3.0	37.3	1.0	-61.8	-13.0	-48.8	
		2.509	-24.4	V	3.0	36.4	1.0	-59.7	-13.0	-46.7	
		3.346	-22.4	V	3.0	35.8	1.0	-57.2	-13.0	-44.2	
		1.673	-20.5	H	3.0	37.3	1.0	-56.9	-13.0	-43.9	
		2.509	-23.0	H	3.0	36.4	1.0	-58.4	-13.0	-45.4	
		3.346	-23.2	H	3.0	35.8	1.0	-57.9	-13.0	-44.9	
	High Ch, 848.31 MHz										
		1.696	-25.7	V	3.0	37.3	1.0	-62.0	-13.0	-49.0	
		2.544	-24.5	V	3.0	36.3	1.0	-59.9	-13.0	-46.9	
		3.393	-22.4	V	3.0	35.7	1.0	-57.1	-13.0	-44.1	
	1.696	-18.5	H	3.0	37.3	1.0	-54.8	-13.0	-41.8		
	2.544	-22.6	H	3.0	36.3	1.0	-57.9	-13.0	-44.9		
	3.393	-22.4	H	3.0	35.7	1.0	-57.1	-13.0	-44.1		

Rev. 03.03.09  
 Note: No other emissions were detected above the system noise floor.

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:		LG								
Project #:		14U16944								
Date:		01/23/14								
Test Engineer:		Kiya Kedida								
Configuration:		EUT with AC adapter								
Mode:		EVDORA BC10 HARM								
Chamber		Pre-amplifer		Filter		Limit				
3m Chamber C		T343 8449B		Filter 1		Part 24				
Band	f	SG reading	Ant. Pol.	Distance	Preamp	Filter	EIRP	Limit	Delta	Notes
BC10	GHz	(dBm)	(H/V)	(m)	(dB)	(dB)	(dBm)	(dBm)	(dB)	
EVDORA REV. A	Low Ch, 817.9MHz									
	1.635	-26.0	V	3.0	37.4	1.0	-62.4	-13.0	-49.4	
	2.453	-23.0	V	3.0	36.4	1.0	-58.5	-13.0	-45.5	
	3.271	-23.0	V	3.0	35.8	1.0	-57.8	-13.0	-44.8	
	1.635	-25.2	H	3.0	37.4	1.0	-61.6	-13.0	-48.6	
	2.453	-22.5	H	3.0	36.4	1.0	-57.9	-13.0	-44.9	
	3.271	-21.9	H	3.0	35.8	1.0	-56.7	-13.0	-43.7	
	Mid Ch, 820.5MHz									
	1.641	-27.6	V	3.0	37.4	1.0	-64.0	-13.0	-51.0	
	2.461	-24.2	V	3.0	36.4	1.0	-59.6	-13.0	-46.6	
	3.280	-22.7	V	3.0	35.8	1.0	-57.5	-13.0	-44.5	
	1.641	-26.7	H	3.0	37.4	1.0	-63.1	-13.0	-50.1	
	2.461	-24.1	H	3.0	36.4	1.0	-59.5	-13.0	-46.5	
	3.280	-23.2	H	3.0	35.8	1.0	-58.0	-13.0	-45.0	
	High Ch, 823.1 MHz									
	1.646	-26.4	V	3.0	37.4	1.0	-62.8	-13.0	-49.8	
	2.469	-23.0	V	3.0	36.4	1.0	-58.4	-13.0	-45.4	
	3.292	-21.6	V	3.0	35.8	1.0	-56.4	-13.0	-43.4	
1.646	-26.6	H	3.0	37.4	1.0	-63.0	-13.0	-50.0		
2.469	-25.5	H	3.0	36.4	1.0	-60.9	-13.0	-47.9		
3.292	-22.7	H	3.0	35.8	1.0	-57.5	-13.0	-44.5		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										



**Compliance Certification Services**  
**Above 1GHz High Frequency Substitution Measurement**

**Company:** LG  
**Project #:** 14U16944  
**Date:** 01/23/14  
**Test Engineer:** Kiya Kedida  
**Configuration:** EUT with AC adapter  
**Mode:** RTT BC10 HARM

**Chamber**  
 3m Chamber C

**Pre-amplifier**  
 T343 8449B

**Filter**  
 Filter 1

**Limit**  
 Part 24

	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
Band  BC10  1xRTT	Low Ch, 817.9MHz										
	1.635	-27.1	V	3.0	37.4	1.0	-63.5	-13.0	-50.5		
	2.453	-24.7	V	3.0	36.4	1.0	-60.2	-13.0	-47.2		
	3.271	-22.4	V	3.0	35.8	1.0	-57.2	-13.0	-44.2		
	1.635	-28.0	H	3.0	37.4	1.0	-64.4	-13.0	-51.4		
	2.453	-24.0	H	3.0	36.4	1.0	-59.4	-13.0	-46.4		
	3.271	-23.0	H	3.0	35.8	1.0	-57.8	-13.0	-44.8		
	Mid Ch, 820.5MHz										
	1.641	-28.1	V	3.0	37.4	1.0	-64.5	-13.0	-51.5		
	2.461	-22.6	V	3.0	36.4	1.0	-58.0	-13.0	-45.0		
	3.280	-22.9	V	3.0	35.8	1.0	-57.8	-13.0	-44.8		
	1.641	-27.3	H	3.0	37.4	1.0	-63.7	-13.0	-50.7		
	2.461	-24.7	H	3.0	36.4	1.0	-60.1	-13.0	-47.1		
	3.280	-22.5	H	3.0	35.8	1.0	-57.3	-13.0	-44.3		
	High Ch, 823.1 MHz										
	1.646	-27.8	V	3.0	37.4	1.0	-64.1	-13.0	-51.1		
	2.469	-24.2	V	3.0	36.4	1.0	-59.6	-13.0	-46.6		
	3.292	-22.6	V	3.0	35.8	1.0	-57.5	-13.0	-44.5		
	1.646	-28.8	H	3.0	37.4	1.0	-65.2	-13.0	-52.2		
	2.469	-26.4	H	3.0	36.4	1.0	-61.8	-13.0	-48.8		
3.292	-23.3	H	3.0	35.8	1.0	-58.1	-13.0	-45.1			

Rev. 03.03.09  
 Note: No other emissions were detected above the system noise floor.