

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Honeywell Project #: 15U20259 Date: 5/18/2015 Test Engineer: A. Escamilla Configuration: X-pos EUT w/ Charging Dock Location: Chamber C Mode: LTE_QPSK Band 4 Harmonics, 1.4MHz Bandwidth									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1710.7									
3421.40	-27.0	V	3.0	36.1	1.0	-62.1	-13.0	-49.1	
5132.10	-16.7	V	3.0	35.4	1.0	-51.2	-13.0	-38.2	
6842.80	-17.9	V	3.0	35.7	1.0	-52.5	-13.0	-39.5	
3421.40	-28.9	H	3.0	36.1	1.0	-64.0	-13.0	-51.0	
5132.10	-18.9	H	3.0	35.4	1.0	-53.3	-13.0	-40.3	
6842.80	-18.8	H	3.0	35.7	1.0	-53.5	-13.0	-40.5	
Mid Ch, 1732.5									
3465.00	-22.4	V	3.0	36.0	1.0	-57.5	-13.0	-44.5	
5197.50	-13.1	V	3.0	35.4	1.0	-47.6	-13.0	-34.6	
6930.00	-17.8	V	3.0	35.7	1.0	-52.5	-13.0	-39.5	
3465.00	-18.9	H	3.0	36.0	1.0	-54.0	-13.0	-41.0	
5197.50	-22.4	H	3.0	35.4	1.0	-56.8	-13.0	-43.8	
6930.00	-19.0	H	3.0	35.7	1.0	-53.6	-13.0	-40.6	
High Ch, 1754.3									
3508.60	-18.2	V	3.0	36.0	1.0	-53.2	-13.0	-40.2	
5262.90	-23.4	V	3.0	35.4	1.0	-57.9	-13.0	-44.9	
7017.20	-20.9	V	3.0	35.7	1.0	-55.6	-13.0	-42.6	
3508.60	-24.6	H	3.0	36.0	1.0	-59.6	-13.0	-46.6	
5262.90	-25.4	H	3.0	35.4	1.0	-59.8	-13.0	-46.8	
7017.20	-19.9	H	3.0	35.7	1.0	-54.6	-13.0	-41.6	

LTE Band 5

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Honeywell							
Project #:		15U20259							
Date:		5/21/2015							
Test Engineer:		O. Stoelting							
Configuration:		X-pos EUT w/ Charging Dock							
Location:		Chamber A							
Mode:		LTE_16QAM Band 5 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 829									
1658.00	-0.7	V	3.0	37.0	1.0	-36.8	-13.0	-23.8	
2487.00	-16.3	V	3.0	36.4	1.0	-51.7	-13.0	-38.7	
3316.00	-18.7	V	3.0	36.1	1.0	-53.9	-13.0	-40.9	
LTE5									
1658.00	0.3	H	3.0	37.0	1.0	-35.7	-13.0	-22.7	
2487.00	-14.2	H	3.0	36.4	1.0	-49.7	-13.0	-36.7	
3316.00	-13.6	H	3.0	36.1	1.0	-48.7	-13.0	-35.7	
10MHz									
Mid Ch, 836.5									
1673.00	-4.0	V	3.0	37.0	1.0	-40.0	-13.0	-27.0	
2509.50	-13.8	V	3.0	36.4	1.0	-49.2	-13.0	-36.2	
3346.00	-18.9	V	3.0	36.1	1.0	-54.0	-13.0	-41.0	
16QAM									
1673.00	-3.8	H	3.0	37.0	1.0	-39.8	-13.0	-26.8	
2509.50	-10.4	H	3.0	36.4	1.0	-45.8	-13.0	-32.8	
3346.00	-18.5	H	3.0	36.1	1.0	-53.6	-13.0	-40.6	
High Ch, 844									
1688.00	-2.2	V	3.0	37.0	1.0	-38.2	-13.0	-25.2	
2532.00	-10.2	V	3.0	36.4	1.0	-45.6	-13.0	-32.6	
3376.00	-16.9	V	3.0	36.1	1.0	-52.0	-13.0	-39.0	
1688.00	3.1	H	3.0	37.0	1.0	-32.9	-13.0	-19.9	
2532.00	-10.3	H	3.0	36.4	1.0	-45.7	-13.0	-32.7	
3376.00	-15.0	H	3.0	36.1	1.0	-50.1	-13.0	-37.1	

Compliance Certification Services

Above 1GHz High Frequency Substitution Measurement

Company:

Honeywell

Project #:

15U20259

Date:

5/21/2015

Test Engineer:

O. Stoelting

Configuration:

X-pos EUT w/ Charging Dock

Location:

Chamber A

Mode:

LTE_QPSK Band 5 Harmonics, 10MHz Bandwidth

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 829									
1658.00	-0.7	V	3.0	37.0	1.0	-36.7	-13.0	-23.7	
2487.00	-17.8	V	3.0	36.4	1.0	-53.2	-13.0	-40.2	
3316.00	-18.6	V	3.0	36.1	1.0	-53.8	-13.0	-40.8	
1658.00	1.2	H	3.0	37.0	1.0	-34.8	-13.0	-21.8	
2487.00	-14.6	H	3.0	36.4	1.0	-50.1	-13.0	-37.1	
3316.00	-13.4	H	3.0	36.1	1.0	-48.5	-13.0	-35.5	
Mid Ch, 836.5									
1673.00	-5.4	V	3.0	37.0	1.0	-41.4	-13.0	-28.4	
2509.50	-13.2	V	3.0	36.4	1.0	-48.6	-13.0	-35.6	
3346.00	-18.8	V	3.0	36.1	1.0	-53.9	-13.0	-40.9	
1673.00	-3.8	H	3.0	37.0	1.0	-39.8	-13.0	-26.8	
2509.50	-12.8	H	3.0	36.4	1.0	-48.2	-13.0	-35.2	
3346.00	-18.9	H	3.0	36.1	1.0	-54.1	-13.0	-41.1	
High Ch, 844									
1688.00	-2.3	V	3.0	37.0	1.0	-38.3	-13.0	-25.3	
2532.00	-10.1	V	3.0	36.4	1.0	-45.5	-13.0	-32.5	
3376.00	-17.2	V	3.0	36.1	1.0	-52.3	-13.0	-39.3	
1688.00	3.1	H	3.0	37.0	1.0	-32.9	-13.0	-19.9	
2532.00	-10.9	H	3.0	36.4	1.0	-46.3	-13.0	-33.3	
3376.00	-15.9	H	3.0	36.1	1.0	-51.0	-13.0	-38.0	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Honeywell Project #: 15U20259 Date: 5/18/2015 Test Engineer: A. Escamilla Configuration: X-pos EUT w/ Charging Dock Location: Chamber C Mode: LTE_16QAM Band 5 Harmonics, 5MHz Bandwidth									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 826.5									
1653.00	-19.5	V	3.0	37.0	1.0	-55.5	-13.0	-42.5	
2479.50	-26.4	V	3.0	36.4	1.0	-61.9	-13.0	-48.9	
3306.00	-32.6	V	3.0	36.1	1.0	-67.7	-13.0	-54.7	
1653.00	-18.7	H	3.0	37.0	1.0	-54.7	-13.0	-41.7	
2479.50	-33.8	H	3.0	36.4	1.0	-69.2	-13.0	-56.2	
3306.00	-35.3	H	3.0	36.1	1.0	-70.5	-13.0	-57.5	
Mid Ch, 836.5									
1673.00	-26.7	V	3.0	37.0	1.0	-62.7	-13.0	-49.7	
2509.50	-33.5	V	3.0	36.4	1.0	-68.9	-13.0	-55.9	
3346.00	-36.7	V	3.0	36.1	1.0	-71.9	-13.0	-58.9	
1673.00	-32.6	H	3.0	37.0	1.0	-68.6	-13.0	-55.6	
2509.50	-32.2	H	3.0	36.4	1.0	-67.6	-13.0	-54.6	
3346.00	-36.8	H	3.0	36.1	1.0	-71.9	-13.0	-58.9	
High Ch, 846.5									
1693.00	-27.1	V	3.0	37.0	1.0	-63.1	-13.0	-50.1	
2539.50	-31.3	V	3.0	36.4	1.0	-66.7	-13.0	-53.7	
3386.00	-32.2	V	3.0	36.1	1.0	-67.3	-13.0	-54.3	
1693.00	-22.5	H	3.0	37.0	1.0	-58.4	-13.0	-45.4	
2539.50	-29.0	H	3.0	36.4	1.0	-64.4	-13.0	-51.4	
3386.00	-31.4	H	3.0	36.1	1.0	-66.5	-13.0	-53.5	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Honeywell Project #: 15U20259 Date: 5/18/2015 Test Engineer: A. Escamilla Configuration: X-pos EUT w/ Charging Dock Location: Chamber C Mode: LTE_16QAM Band 5 Harmonics, 1.4MHz Bandwidth									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 824.7									
1649.40	-19.1	V	3.0	37.0	1.0	-55.1	-13.0	-42.1	
2474.10	-29.1	V	3.0	36.4	1.0	-64.6	-13.0	-51.6	
3298.80	-33.4	V	3.0	36.2	1.0	-68.5	-13.0	-55.5	
1649.40	-27.7	H	3.0	37.0	1.0	-63.7	-13.0	-50.7	
2474.10	-31.1	H	3.0	36.4	1.0	-66.5	-13.0	-53.5	
3298.80	-32.2	H	3.0	36.2	1.0	-67.4	-13.0	-54.4	
Mid Ch, 836.5									
1673.00	-15.3	V	3.0	37.0	1.0	-51.3	-13.0	-38.3	
2509.50	-31.8	V	3.0	36.4	1.0	-67.2	-13.0	-54.2	
3346.00	-34.3	V	3.0	36.1	1.0	-69.5	-13.0	-56.5	
1673.00	-24.4	H	3.0	37.0	1.0	-60.4	-13.0	-47.4	
2509.50	-30.9	H	3.0	36.4	1.0	-66.3	-13.0	-53.3	
3346.00	-31.4	H	3.0	36.1	1.0	-66.5	-13.0	-53.5	
High Ch, 848.3									
1696.60	-26.8	V	3.0	37.0	1.0	-62.8	-13.0	-49.8	
2544.90	-30.1	V	3.0	36.4	1.0	-65.5	-13.0	-52.5	
3393.20	-31.8	V	3.0	36.1	1.0	-66.9	-13.0	-53.9	
1696.60	-19.1	H	3.0	37.0	1.0	-55.1	-13.0	-42.1	
2544.90	-33.4	H	3.0	36.4	1.0	-68.8	-13.0	-55.8	
3393.20	-37.0	H	3.0	36.1	1.0	-72.1	-13.0	-59.1	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Honeywell Project #: 15U20259 Date: 5/18/2015 Test Engineer: A. Escamilla Configuration: X-pos EUT w/ Charging Dock Location: Chamber C Mode: LTE_QPSK Band 5 Harmonics, 1.4MHz Bandwidth									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 824.7									
1649.40	-18.7	V	3.0	37.0	1.0	-54.8	-13.0	-41.8	
2474.10	-29.0	V	3.0	36.4	1.0	-64.5	-13.0	-51.5	
3298.80	-33.1	V	3.0	36.2	1.0	-68.2	-13.0	-55.2	
1649.40	-28.1	H	3.0	37.0	1.0	-64.1	-13.0	-51.1	
2474.10	-32.7	H	3.0	36.4	1.0	-68.1	-13.0	-55.1	
3298.80	-30.8	H	3.0	36.2	1.0	-65.9	-13.0	-52.9	
Mid Ch, 836.5									
1673.00	-14.8	V	3.0	37.0	1.0	-50.8	-13.0	-37.8	
2509.50	-31.9	V	3.0	36.4	1.0	-67.3	-13.0	-54.3	
3346.00	-32.8	V	3.0	36.1	1.0	-68.0	-13.0	-55.0	
1673.00	-24.5	H	3.0	37.0	1.0	-60.5	-13.0	-47.5	
2509.50	-32.0	H	3.0	36.4	1.0	-67.5	-13.0	-54.5	
3346.00	-31.3	H	3.0	36.1	1.0	-66.4	-13.0	-53.4	
High Ch, 848.3									
1696.60	-26.2	V	3.0	37.0	1.0	-62.2	-13.0	-49.2	
2544.90	-31.1	V	3.0	36.4	1.0	-66.5	-13.0	-53.5	
3393.20	-31.7	V	3.0	36.1	1.0	-66.8	-13.0	-53.8	
1696.60	-18.5	H	3.0	37.0	1.0	-54.4	-13.0	-41.4	
2544.90	-33.9	H	3.0	36.4	1.0	-69.3	-13.0	-56.3	
3393.20	-35.8	H	3.0	36.1	1.0	-70.8	-13.0	-57.8	

LTE Band 7

Band LTE7 20MHz 16QAM	UL Verification Services, Inc Above 1GHz High Frequency Substitution Measurement Company: Honeywell Project #: 15U20259 Date: 5/20/2015 Test Engineer: D. Mun Configuration: EUT with Charging Dock Location: Chamber A Mode: LTE_16QAM Band 7 Harmonics, 20MHz Bandwidth									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 2510									
	5020.00	-15.7	V	3.0	35.5	1.0	-50.1	-25.0	-25.1	
	7530.00	-15.5	V	3.0	35.7	1.0	-50.2	-25.0	-25.2	
	10040.00	-13.2	V	3.0	36.0	1.0	-48.2	-25.0	-23.2	
	5020.00	-15.5	H	3.0	35.5	1.0	-49.9	-25.0	-24.9	
	7530.00	-14.2	H	3.0	35.7	1.0	-49.0	-25.0	-24.0	
	10040.00	-12.1	H	3.0	36.0	1.0	-47.1	-25.0	-22.1	
	Mid Ch, 2535									
	5070.00	-15.7	V	3.0	35.4	1.0	-50.2	-25.0	-25.2	
	7605.00	-14.3	V	3.0	35.8	1.0	-49.0	-25.0	-24.0	
	10140.00	-12.5	V	3.0	36.0	1.0	-47.5	-25.0	-22.5	
	5070.00	-14.4	H	3.0	35.4	1.0	-48.8	-25.0	-23.8	
	7605.00	-13.4	H	3.0	35.8	1.0	-48.1	-25.0	-23.1	
	10140.00	-11.3	H	3.0	36.0	1.0	-46.2	-25.0	-21.2	
	High Ch, 2560									
	5120.00	-15.6	V	3.0	35.4	1.0	-50.1	-25.0	-25.1	
	7680.00	-14.0	V	3.0	35.8	1.0	-48.8	-25.0	-23.8	
	10240.00	-12.2	V	3.0	35.9	1.0	-47.1	-25.0	-22.1	
	5120.00	-15.6	H	3.0	35.4	1.0	-50.1	-25.0	-25.1	
	7680.00	-13.7	H	3.0	35.8	1.0	-48.4	-25.0	-23.4	
	10240.00	-11.3	H	3.0	35.9	1.0	-46.2	-25.0	-21.2	

UL Verification Services, Inc									
Above 1GHz High Frequency Substitution Measurement									
Company:		Honeywell							
Project #:		15U20259							
Date:		5/20/2015							
Test Engineer:		D. Mun							
Configuration:		EUT with Charging Dock							
Location:		Chamber A							
Mode:		LTE_16QAM Band 7 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2507.5									
5015.00	-16.1	V	3.0	35.5	1.0	-50.5	-25.0	-25.5	
7522.50	-15.2	V	3.0	35.7	1.0	-49.9	-25.0	-24.9	
10030.00	-12.7	V	3.0	36.0	1.0	-47.7	-25.0	-22.7	
5015.00	-14.6	H	3.0	35.5	1.0	-49.0	-25.0	-24.0	
7522.50	-14.0	H	3.0	35.7	1.0	-48.8	-25.0	-23.8	
10030.00	-12.4	H	3.0	36.0	1.0	-47.4	-25.0	-22.4	
Mid Ch, 2535									
5070.00	-14.7	V	3.0	35.4	1.0	-49.1	-25.0	-24.1	
7605.00	-14.9	V	3.0	35.8	1.0	-49.6	-25.0	-24.6	
10140.00	-12.4	V	3.0	36.0	1.0	-47.4	-25.0	-22.4	
5070.00	-15.1	H	3.0	35.4	1.0	-49.6	-25.0	-24.6	
7605.00	-14.1	H	3.0	35.8	1.0	-48.9	-25.0	-23.9	
10140.00	-11.6	H	3.0	36.0	1.0	-46.5	-25.0	-21.5	
High Ch, 2562.5									
5125.00	-15.4	V	3.0	35.4	1.0	-49.9	-25.0	-24.9	
7687.50	-14.4	V	3.0	35.8	1.0	-49.2	-25.0	-24.2	
10250.00	-11.8	V	3.0	35.9	1.0	-46.7	-25.0	-21.7	
5125.00	-14.9	H	3.0	35.4	1.0	-49.3	-25.0	-24.3	
7687.50	-13.1	H	3.0	35.8	1.0	-47.9	-25.0	-22.9	
10250.00	-11.6	H	3.0	35.9	1.0	-46.5	-25.0	-21.5	

UL Verification Services									
Above 1GHz High Frequency Substitution Measurement									
Company:		Honeywell							
Project #:		15U20259							
Date:		5/20/2015							
Test Engineer:		D. Mun							
Configuration:		EUT with Charging Dock							
Location:		Chamber A							
Mode:		LTE_QPSK Band 7 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2507.5									
5015.00	-14.8	V	3.0	35.5	1.0	-49.2	-25.0	-24.2	
7522.50	-15.5	V	3.0	35.7	1.0	-50.3	-25.0	-25.3	
10030.00	-12.2	V	3.0	36.0	1.0	-47.2	-25.0	-22.2	
5015.00	-14.6	H	3.0	35.5	1.0	-49.0	-25.0	-24.0	
7522.50	-14.6	H	3.0	35.7	1.0	-49.4	-25.0	-24.4	
10030.00	-11.7	H	3.0	36.0	1.0	-46.7	-25.0	-21.7	
Mid Ch, 2535									
5070.00	-14.9	V	3.0	35.4	1.0	-49.4	-25.0	-24.4	
7605.00	-14.8	V	3.0	35.8	1.0	-49.6	-25.0	-24.6	
10140.00	-12.3	V	3.0	36.0	1.0	-47.3	-25.0	-22.3	
5070.00	-14.1	H	3.0	35.4	1.0	-48.5	-25.0	-23.5	
7605.00	-13.9	H	3.0	35.8	1.0	-48.6	-25.0	-23.6	
10140.00	-11.4	H	3.0	36.0	1.0	-46.4	-25.0	-21.4	
High Ch, 2562.5									
5125.00	-15.8	V	3.0	35.4	1.0	-50.3	-25.0	-25.3	
7687.50	-14.3	V	3.0	35.8	1.0	-49.1	-25.0	-24.1	
10250.00	-12.1	V	3.0	35.9	1.0	-47.0	-25.0	-22.0	
5125.00	-13.6	H	3.0	35.4	1.0	-48.1	-25.0	-23.1	
7687.50	-13.4	H	3.0	35.8	1.0	-48.2	-25.0	-23.2	
10250.00	-11.5	H	3.0	35.9	1.0	-46.5	-25.0	-21.5	

UL Verification Services, Inc Above 1GHz High Frequency Substitution Measurement Company: Honeywell Project #: 15U20259 Date: 5/20/2015 Test Engineer: D. Mun Configuration: EUT with Charging Dock Location: Chamber A Mode: LTE_16QAM Band 7 Harmonics, 10MHz Bandwidth									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2505									
5010.00	-16.0	V	3.0	35.5	1.0	-50.5	-25.0	-25.5	
7515.00	-15.3	V	3.0	35.7	1.0	-50.1	-25.0	-25.1	
10020.00	-12.6	V	3.0	36.0	1.0	-47.7	-25.0	-22.7	
5010.00	-14.7	H	3.0	35.5	1.0	-49.2	-25.0	-24.2	
7515.00	-14.4	H	3.0	35.7	1.0	-49.1	-25.0	-24.1	
10020.00	-12.2	H	3.0	36.0	1.0	-47.2	-25.0	-22.2	
Mid Ch, 2535									
5070.00	-16.1	V	3.0	35.4	1.0	-50.5	-25.0	-25.5	
7605.00	-14.4	V	3.0	35.8	1.0	-49.2	-25.0	-24.2	
10140.00	-12.5	V	3.0	36.0	1.0	-47.5	-25.0	-22.5	
5070.00	-15.1	H	3.0	35.4	1.0	-49.6	-25.0	-24.6	
7605.00	-13.4	H	3.0	35.8	1.0	-48.1	-25.0	-23.1	
10140.00	-11.7	H	3.0	36.0	1.0	-46.6	-25.0	-21.6	
High Ch, 2565									
5130.00	-15.7	V	3.0	35.4	1.0	-50.1	-25.0	-25.1	
7695.00	-14.5	V	3.0	35.8	1.0	-49.3	-25.0	-24.3	
10260.00	-12.1	V	3.0	35.9	1.0	-47.0	-25.0	-22.0	
5130.00	-15.0	H	3.0	35.4	1.0	-49.5	-25.0	-24.5	
7695.00	-13.2	H	3.0	35.8	1.0	-47.9	-25.0	-22.9	
10260.00	-11.2	H	3.0	35.9	1.0	-46.1	-25.0	-21.1	

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UL VERIFICATION SERVICES INC. FORM NO: CCSUP47011
 47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
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UL Verification Services, Inc Above 1GHz High Frequency Substitution Measurement									
Company:		Honeywell							
Project #:		15U20259							
Date:		5/20/2015							
Test Engineer:		D. Mun							
Configuration:		EUT with Charging Dock							
Location:		Chamber A							
Mode:		LTE_16QAM Band 7 Harmonics, 5MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2502.5									
5005.00	-16.2	V	3.0	35.5	1.0	-50.7	-25.0	-25.7	
7507.50	-13.9	V	3.0	35.7	1.0	-48.6	-25.0	-23.6	
10010.00	-12.2	V	3.0	36.0	1.0	-47.2	-25.0	-22.2	
5005.00	-16.0	H	3.0	35.5	1.0	-50.4	-25.0	-25.4	
7507.50	-14.4	H	3.0	35.7	1.0	-49.2	-25.0	-24.2	
10010.00	-11.7	H	3.0	36.0	1.0	-46.7	-25.0	-21.7	
Mid Ch, 2535									
5070.00	-15.6	V	3.0	35.4	1.0	-50.1	-25.0	-25.1	
7605.00	-14.1	V	3.0	35.8	1.0	-48.9	-25.0	-23.9	
10140.00	-11.9	V	3.0	36.0	1.0	-46.9	-25.0	-21.9	
5070.00	-13.1	H	3.0	35.4	1.0	-47.6	-25.0	-22.6	
7605.00	-13.5	H	3.0	35.8	1.0	-48.3	-25.0	-23.3	
10140.00	-11.1	H	3.0	36.0	1.0	-46.1	-25.0	-21.1	
High Ch, 2567.5									
5135.00	-15.9	V	3.0	35.4	1.0	-50.3	-25.0	-25.3	
7702.50	-14.2	V	3.0	35.8	1.0	-49.0	-25.0	-24.0	
10270.00	-12.5	V	3.0	35.9	1.0	-47.4	-25.0	-22.4	
5135.00	-15.0	H	3.0	35.4	1.0	-49.5	-25.0	-24.5	
7702.50	-13.9	H	3.0	35.8	1.0	-48.7	-25.0	-23.7	
10270.00	-11.5	H	3.0	35.9	1.0	-46.4	-25.0	-21.4	

LTE Band 17

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Honeywell							
Project #:		15U20259							
Date:		5/21/2015							
Test Engineer:		O. Stoelting							
Configuration:		Y-pos EUT w/ Charging Dock							
Location:		Chamber A							
Mode:		LTE_16QAM Band 17 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 709									
1418.00	-27.9	V	3.0	37.4	1.0	-64.2	-13.0	-51.2	
2127.00	-16.3	V	3.0	36.6	1.0	-51.9	-13.0	-38.9	
2836.00	-20.6	V	3.0	36.4	1.0	-56.0	-13.0	-43.0	
1418.00	-26.0	H	3.0	37.4	1.0	-62.3	-13.0	-49.3	
2127.00	-23.2	H	3.0	36.6	1.0	-58.8	-13.0	-45.8	
2836.00	-20.9	H	3.0	36.4	1.0	-56.2	-13.0	-43.2	
Mid Ch, 710									
1420.00	-27.9	V	3.0	37.3	1.0	-64.2	-13.0	-51.2	
2130.00	-15.8	V	3.0	36.6	1.0	-51.4	-13.0	-38.4	
2840.00	-20.0	V	3.0	36.4	1.0	-55.4	-13.0	-42.4	
1420.00	-27.8	H	3.0	37.3	1.0	-64.2	-13.0	-51.2	
2130.00	-22.9	H	3.0	36.6	1.0	-58.4	-13.0	-45.4	
2840.00	-21.3	H	3.0	36.4	1.0	-56.7	-13.0	-43.7	
High Ch, 711									
1422.00	-28.1	V	3.0	37.3	1.0	-64.5	-13.0	-51.5	
2133.00	-17.7	V	3.0	36.6	1.0	-53.3	-13.0	-40.3	
2844.00	-20.6	V	3.0	36.4	1.0	-56.0	-13.0	-43.0	
1422.00	-27.6	H	3.0	37.3	1.0	-63.9	-13.0	-50.9	
2133.00	-23.2	H	3.0	36.6	1.0	-58.8	-13.0	-45.8	
2844.00	-21.8	H	3.0	36.4	1.0	-57.2	-13.0	-44.2	

Compliance Certification Services									
Above 1GHz High Frequency Substitution Measurement									
Company:		Honeywell							
Project #:		15U20259							
Date:		5/21/2015							
Test Engineer:		O. Stoelting							
Configuration:		Y-pos EUT w/ Charging Dock							
Location:		Chamber A							
Mode:		LTE_QPSK Band 17 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, 709									
1418.00	-28.3	V	3.0	37.4	1.0	-64.6	-13.0	-51.6	
2127.00	-17.0	V	3.0	36.6	1.0	-52.6	-13.0	-39.6	
2836.00	-20.4	V	3.0	36.4	1.0	-55.8	-13.0	-42.8	
1418.00	-26.9	H	3.0	37.4	1.0	-63.2	-13.0	-50.2	
2127.00	-23.1	H	3.0	36.6	1.0	-58.7	-13.0	-45.7	
2836.00	-21.1	H	3.0	36.4	1.0	-56.5	-13.0	-43.5	
Mid Ch, 710									
1420.00	-27.9	V	3.0	37.3	1.0	-64.2	-13.0	-51.2	
2130.00	-15.2	V	3.0	36.6	1.0	-50.8	-13.0	-37.8	
2840.00	-20.2	V	3.0	36.4	1.0	-55.6	-13.0	-42.6	
1420.00	-27.1	H	3.0	37.3	1.0	-63.5	-13.0	-50.5	
2130.00	-23.1	H	3.0	36.6	1.0	-58.7	-13.0	-45.7	
2840.00	-21.7	H	3.0	36.4	1.0	-57.0	-13.0	-44.0	
High Ch, 711									
1422.00	-27.5	V	3.0	37.3	1.0	-63.8	-13.0	-50.8	
2133.00	-16.4	V	3.0	36.6	1.0	-52.0	-13.0	-39.0	
2844.00	-20.2	V	3.0	36.4	1.0	-55.6	-13.0	-42.6	
1422.00	-26.4	H	3.0	37.3	1.0	-62.7	-13.0	-49.7	
2133.00	-22.5	H	3.0	36.6	1.0	-58.0	-13.0	-45.0	
2844.00	-21.5	H	3.0	36.4	1.0	-56.8	-13.0	-43.8	

Compliance Certification Services									
Above 1GHz High Frequency Substitution Measurement									
Company:		Honeywell							
Project #:		15U20259							
Date:		5/21/2015							
Test Engineer:		O. Stoelting							
Configuration:		Y-pos EUT w/ Charging Dock							
Location:		Chamber A							
Mode:		LTE_16QAM Band 17 Harmonics, 5MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 706.5									
1413.00	-28.3	V	3.0	37.4	1.0	-64.7	-13.0	-51.7	
2119.50	-17.6	V	3.0	36.6	1.0	-53.2	-13.0	-40.2	
2826.00	-20.8	V	3.0	36.4	1.0	-56.2	-13.0	-43.2	
1413.00	-26.0	H	3.0	37.4	1.0	-62.3	-13.0	-49.3	
2119.50	-23.1	H	3.0	36.6	1.0	-58.7	-13.0	-45.7	
2826.00	-21.5	H	3.0	36.4	1.0	-56.9	-13.0	-43.9	
Mid Ch, 710									
1420.00	-27.1	V	3.0	37.3	1.0	-63.4	-13.0	-50.4	
2130.00	-17.4	V	3.0	36.6	1.0	-52.9	-13.0	-39.9	
2840.00	-20.3	V	3.0	36.4	1.0	-55.7	-13.0	-42.7	
1420.00	-27.6	H	3.0	37.3	1.0	-63.9	-13.0	-50.9	
2130.00	-23.0	H	3.0	36.6	1.0	-58.5	-13.0	-45.5	
2840.00	-21.3	H	3.0	36.4	1.0	-56.7	-13.0	-43.7	
High Ch, 713.5									
1427.00	-27.2	V	3.0	37.3	1.0	-63.6	-13.0	-50.6	
2140.50	-15.2	V	3.0	36.6	1.0	-50.7	-13.0	-37.7	
2854.00	-20.8	V	3.0	36.4	1.0	-56.2	-13.0	-43.2	
1427.00	-27.4	H	3.0	37.3	1.0	-63.7	-13.0	-50.7	
2140.50	-23.0	H	3.0	36.6	1.0	-58.6	-13.0	-45.6	
2854.00	-21.1	H	3.0	36.4	1.0	-56.4	-13.0	-43.4	

Compliance Certification Services									
Above 1GHz High Frequency Substitution Measurement									
Company:		Honeywell							
Project #:		15U20259							
Date:		5/21/2015							
Test Engineer:		O. Stoelting							
Configuration:		Y-pos EUT w/ Charging Dock							
Location:		Chamber A							
Mode:		LTE_QPSK Band 17 Harmonics, 5MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 706.5									
1413.00	-28.2	V	3.0	37.4	1.0	-64.6	-13.0	-51.6	
2119.50	-15.9	V	3.0	36.6	1.0	-51.5	-13.0	-38.5	
2826.00	-20.8	V	3.0	36.4	1.0	-56.2	-13.0	-43.2	
1413.00	-26.2	H	3.0	37.4	1.0	-62.5	-13.0	-49.5	
2119.50	-23.2	H	3.0	36.6	1.0	-58.8	-13.0	-45.8	
2826.00	-21.2	H	3.0	36.4	1.0	-56.6	-13.0	-43.6	
Mid Ch, 710									
1420.00	-27.6	V	3.0	37.3	1.0	-63.9	-13.0	-50.9	
2130.00	-16.9	V	3.0	36.6	1.0	-52.4	-13.0	-39.4	
2840.00	-20.6	V	3.0	36.4	1.0	-55.9	-13.0	-42.9	
1420.00	-27.4	H	3.0	37.3	1.0	-63.8	-13.0	-50.8	
2130.00	-22.7	H	3.0	36.6	1.0	-58.2	-13.0	-45.2	
2840.00	-21.4	H	3.0	36.4	1.0	-56.8	-13.0	-43.8	
High Ch, 713.5									
1427.00	-27.6	V	3.0	37.3	1.0	-64.0	-13.0	-51.0	
2140.50	-16.7	V	3.0	36.6	1.0	-52.2	-13.0	-39.2	
2854.00	-20.9	V	3.0	36.4	1.0	-56.3	-13.0	-43.3	
1427.00	-27.4	H	3.0	37.3	1.0	-63.8	-13.0	-50.8	
2140.50	-23.5	H	3.0	36.6	1.0	-59.1	-13.0	-46.1	
2854.00	-21.3	H	3.0	36.4	1.0	-56.7	-13.0	-43.7	