

TEST PROCEDURE

For Cellular equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

For PCS equipment - Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

MODES TESTED

GSM, WCDMA, CDMA, and LTE

RESULTS

11.2.1. SPURIOUS RADIATION PLOTS**GSM**

Band GSM 1900 EGPRS	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Sony Project #: 15U20107 Date: 4/6/2015 Test Engineer: K. Kedida Configuration: EUT/AC Charger/ HS Location: Chamber C Mode: EGPRS 1900 MHz Harmonics									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 1850.2									
	3700.40	-15.0	V	3.0	35.9	1.0	-49.9	-13.0	-36.9	
	5550.60	-13.5	V	3.0	35.5	1.0	-48.0	-13.0	-35.0	
	7400.80	-15.1	V	3.0	35.7	1.0	-49.8	-13.0	-36.8	
	3700.40	-17.1	H	3.0	35.9	1.0	-52.0	-13.0	-39.0	
	5550.60	-16.8	H	3.0	35.5	1.0	-51.2	-13.0	-38.2	
	7400.80	-14.1	H	3.0	35.7	1.0	-48.8	-13.0	-35.8	
	Mid Ch, 1880									
	3760.00	-16.8	V	3.0	35.8	1.0	-51.7	-13.0	-38.7	
	5640.00	-15.3	V	3.0	35.5	1.0	-49.8	-13.0	-36.8	
	7520.00	-15.2	V	3.0	35.7	1.0	-50.0	-13.0	-37.0	
	3760.00	-18.3	H	3.0	35.8	1.0	-53.1	-13.0	-40.1	
	5640.00	-16.5	H	3.0	35.5	1.0	-51.0	-13.0	-38.0	
	7520.00	-13.9	H	3.0	35.7	1.0	-48.7	-13.0	-35.7	
	High Ch, 1909.8									
	3819.60	-15.9	V	3.0	35.8	1.0	-50.7	-13.0	-37.7	
	5729.40	-14.2	V	3.0	35.5	1.0	-48.7	-13.0	-35.7	
	7639.20	-14.9	V	3.0	35.8	1.0	-49.7	-13.0	-36.7	
	3819.60	-17.5	H	3.0	35.8	1.0	-52.3	-13.0	-39.3	
	5729.40	-16.0	H	3.0	35.5	1.0	-50.5	-13.0	-37.5	
	7639.20	-13.7	H	3.0	35.8	1.0	-48.4	-13.0	-35.4	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Sony Project #: 15U20107 Date: 4/6/2015 Test Engineer: K.Kedida Configuration: EUT/AC Charger/ HS Location: Chamber C Mode: GPRS 1900 MHz Harmonics									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1850.2									
3700.40	-14.1	V	3.0	35.9	1.0	-49.0	-13.0	-36.0	
5550.60	-12.7	V	3.0	35.5	1.0	-47.2	-13.0	-34.2	
7400.80	-14.4	V	3.0	35.7	1.0	-49.1	-13.0	-36.1	
3700.40	-18.3	H	3.0	35.9	1.0	-53.2	-13.0	-40.2	
5550.60	-16.8	H	3.0	35.5	1.0	-51.2	-13.0	-38.2	
7400.80	-13.5	H	3.0	35.7	1.0	-48.2	-13.0	-35.2	
Mid Ch, 1880									
3760.00	-15.8	V	3.0	35.8	1.0	-50.6	-13.0	-37.6	
5640.00	-14.3	V	3.0	35.5	1.0	-48.8	-13.0	-35.8	
7520.00	-15.6	V	3.0	35.7	1.0	-50.4	-13.0	-37.4	
3760.00	-18.0	H	3.0	35.8	1.0	-52.8	-13.0	-39.8	
5640.00	-16.2	H	3.0	35.5	1.0	-50.7	-13.0	-37.7	
7520.00	-13.6	H	3.0	35.7	1.0	-48.4	-13.0	-35.4	
High Ch, 1909.8									
3819.60	-14.9	V	3.0	35.8	1.0	-49.7	-13.0	-36.7	
5729.40	-13.1	V	3.0	35.5	1.0	-47.6	-13.0	-34.6	
7639.20	-14.9	V	3.0	35.8	1.0	-49.7	-13.0	-36.7	
3819.60	-16.8	H	3.0	35.8	1.0	-51.6	-13.0	-38.6	
5729.40	-16.2	H	3.0	35.5	1.0	-50.7	-13.0	-37.7	
7639.20	-13.8	H	3.0	35.8	1.0	-48.6	-13.0	-35.6	

UL Verification Services Chamber G Above 1GHz High Frequency Substitution Measurement										
Company:	SONY									
Project #:	15U20107									
Date:	4/7/2015									
Test Engineer:	Jude Semana									
Configuration:	EUT w/ AC Charger + HS									
Mode:	EGPRS 850									
Chamber Pre-amplifier Filter Limit 3m Chamber T34 8449B Filter 1 Part 22										
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
GSM 850 EGPRS	Low Ch, 824.2MHz									
	1.648	-25.7	V	3.0	37.4	1.0	-62.1	-13.0	-49.1	
	2.473	-20.6	V	3.0	36.4	1.0	-56.0	-13.0	-43.0	
	3.297	-21.0	V	3.0	35.8	1.0	-55.8	-13.0	-42.8	
	1.648	-26.9	H	3.0	37.4	1.0	-63.3	-13.0	-50.3	
	2.473	-23.0	H	3.0	36.4	1.0	-58.4	-13.0	-45.4	
	3.297	-21.1	H	3.0	35.8	1.0	-55.9	-13.0	-42.9	
	Mid Ch, 836.6MHz									
	1.673	-25.1	V	3.0	37.3	1.0	-61.4	-13.0	-48.4	
	2.510	-20.8	V	3.0	36.4	1.0	-56.1	-13.0	-43.1	
	3.346	-20.4	V	3.0	35.8	1.0	-55.1	-13.0	-42.1	
	1.673	-26.4	H	3.0	37.3	1.0	-62.8	-13.0	-49.8	
	2.510	-22.8	H	3.0	36.4	1.0	-58.2	-13.0	-45.2	
	3.346	-20.5	H	3.0	35.8	1.0	-55.3	-13.0	-42.3	
	High Ch, 848.8MHz									
	1.698	-25.6	V	3.0	37.3	1.0	-61.9	-13.0	-48.9	
	2.547	-21.7	V	3.0	36.3	1.0	-57.0	-13.0	-44.0	
	3.395	-20.6	V	3.0	35.7	1.0	-55.3	-13.0	-42.3	
1.698	-25.6	H	3.0	37.3	1.0	-61.9	-13.0	-48.9		
2.547	-23.9	H	3.0	36.3	1.0	-59.2	-13.0	-46.2		
3.395	-19.8	H	3.0	35.7	1.0	-54.5	-13.0	-41.5		
Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.										

UL Verification Services Chamber G Above 1GHz High Frequency Substitution Measurement										
Company:	SONY									
Project #:	15U20107									
Date:	4/7/2015									
Test Engineer:	Jude Semana									
Configuration:	EUT w/ AC Charger + HS									
Mode:	GPRS 850									
Chamber Pre-amplifier Filter Limit 3m Chamber ▼ T34 8449B ▼ Filter 1 ▼ Part 22 ▼										
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
GSM 850 GPRS	Low Ch, 824.2MHz									
	1.648	-26.1	V	3.0	37.4	1.0	-62.5	-13.0	-49.5	
	2.473	-20.5	V	3.0	36.4	1.0	-55.9	-13.0	-42.9	
	3.297	-21.4	V	3.0	35.8	1.0	-56.2	-13.0	-43.2	
	1.648	-26.6	H	3.0	37.4	1.0	-62.9	-13.0	-49.9	
	2.473	-22.4	H	3.0	36.4	1.0	-57.8	-13.0	-44.8	
	3.297	-21.6	H	3.0	35.8	1.0	-56.4	-13.0	-43.4	
	Mid Ch, 836.6MHz									
	1.673	-25.3	V	3.0	37.3	1.0	-61.6	-13.0	-48.6	
	2.510	-21.2	V	3.0	36.4	1.0	-56.5	-13.0	-43.5	
	3.346	-20.7	V	3.0	35.8	1.0	-55.5	-13.0	-42.5	
	1.673	-25.5	H	3.0	37.3	1.0	-61.8	-13.0	-48.8	
	2.510	-22.2	H	3.0	36.4	1.0	-57.6	-13.0	-44.6	
	3.346	-20.6	H	3.0	35.8	1.0	-55.3	-13.0	-42.3	
	High Ch, 848.8MHz									
	1.698	-25.6	V	3.0	37.3	1.0	-61.9	-13.0	-48.9	
	2.547	-22.1	V	3.0	36.3	1.0	-57.5	-13.0	-44.5	
	3.395	-20.3	V	3.0	35.7	1.0	-55.0	-13.0	-42.0	
1.698	-25.9	H	3.0	37.3	1.0	-62.2	-13.0	-49.2		
2.547	-23.8	H	3.0	36.3	1.0	-59.1	-13.0	-46.1		
3.395	-20.5	H	3.0	35.7	1.0	-55.2	-13.0	-42.2		
Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.										

WCDMA

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
Company:	Sony									
Project #:	15U20107									
Date:	04/04/15									
Test Engineer:	K. Kedida									
Configuration:	EUT/AC Charger/HS									
Mode:	HSDPA_B2									
Chamber 5m Chamber A Pre-amplifier T34 8449B Filter Filter 1 Limit Part 24										
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band 2 HSDPA	Low Ch, 1852.4MHz									
	3.705	-17.9	V	3.0	35.4	1.0	-52.3	-13.0	-39.3	
	5.557	-14.3	V	3.0	34.7	1.0	-48.0	-13.0	-35.0	
	7.410	-12.9	V	3.0	34.9	1.0	-46.8	-13.0	-33.8	
	3.705	-17.8	H	3.0	35.4	1.0	-52.2	-13.0	-39.2	
	5.557	-13.4	H	3.0	34.7	1.0	-47.2	-13.0	-34.2	
	7.410	-11.8	H	3.0	34.9	1.0	-45.7	-13.0	-32.7	
	Mid Ch, 1880MHz									
	3.760	-17.4	V	3.0	35.3	1.0	-51.8	-13.0	-38.8	
	5.640	-14.2	V	3.0	34.7	1.0	-47.9	-13.0	-34.9	
	7.520	-12.6	V	3.0	34.9	1.0	-46.5	-13.0	-33.5	
	3.760	-16.6	H	3.0	35.3	1.0	-51.0	-13.0	-38.0	
	5.640	-12.5	H	3.0	34.7	1.0	-46.2	-13.0	-33.2	
	7.520	-11.6	H	3.0	34.9	1.0	-45.6	-13.0	-32.6	
	High Ch, 1907.6MHz									
	3.815	-17.8	V	3.0	35.3	1.0	-52.1	-13.0	-39.1	
	5.723	-12.6	V	3.0	34.7	1.0	-46.4	-13.0	-33.4	
	7.630	-12.3	V	3.0	34.9	1.0	-46.3	-13.0	-33.3	
3.815	-17.3	H	3.0	35.3	1.0	-51.6	-13.0	-38.6		
5.723	-13.5	H	3.0	34.7	1.0	-47.3	-13.0	-34.3		
7.630	-12.3	H	3.0	34.9	1.0	-46.3	-13.0	-33.3		
Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.										

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company: Sony Project #: 15U20107 Date: 4/4/2015 Test Engineer: K.Kedida Configuration: EUT/AC Charger/HS Mode: REL99_B2									
Chamber 5m Chamber G		Pre-amplifier T34 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, 1852.4MHz									
3.705	-17.7	V	3.0	35.4	1.0	-52.1	-13.0	-39.1	
5.557	-13.9	V	3.0	34.7	1.0	-47.7	-13.0	-34.7	
7.410	-12.8	V	3.0	34.9	1.0	-46.7	-13.0	-33.7	
3.705	-18.5	H	3.0	35.4	1.0	-52.9	-13.0	-39.9	
5.557	-12.6	H	3.0	34.7	1.0	-46.4	-13.0	-33.4	
7.410	-11.9	H	3.0	34.9	1.0	-45.8	-13.0	-32.8	
Mid Ch, 1880MHz									
3.760	-16.4	V	3.0	35.3	1.0	-50.8	-13.0	-37.8	
5.640	-13.4	V	3.0	34.7	1.0	-47.2	-13.0	-34.2	
7.520	-12.9	V	3.0	34.9	1.0	-46.9	-13.0	-33.9	
3.760	-17.4	H	3.0	35.3	1.0	-51.7	-13.0	-38.7	
5.640	-11.9	H	3.0	34.7	1.0	-45.6	-13.0	-32.6	
7.520	-11.4	H	3.0	34.9	1.0	-45.4	-13.0	-32.4	
High Ch, 1907.6MHz									
3.815	-17.0	V	3.0	35.3	1.0	-51.3	-13.0	-38.3	
5.723	-13.9	V	3.0	34.7	1.0	-47.7	-13.0	-34.7	
7.630	-12.7	V	3.0	34.9	1.0	-46.6	-13.0	-33.6	
3.815	-17.3	H	3.0	35.3	1.0	-51.6	-13.0	-38.6	
5.723	-12.6	H	3.0	34.7	1.0	-46.4	-13.0	-33.4	
7.630	-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.									

UL Verification Services Chamber G Above 1GHz High Frequency Substitution Measurement									
Company:		SONY							
Project #:		15U20107							
Date:		4/7/2015							
Test Engineer:		Jude Semana							
Configuration:		EUT + Charger + HS							
Location:		Chamber G							
Mode:		HSDPA Band 5 Harmonics							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 826.4									
1652.80	-26.1	V	3.0	37.0	1.0	-62.1	-13.0	-49.1	
2479.20	-21.4	V	3.0	36.4	1.0	-56.9	-13.0	-43.9	
3305.60	-21.4	V	3.0	36.1	1.0	-56.6	-13.0	-43.6	
1652.80	-25.7	H	3.0	37.0	1.0	-61.7	-13.0	-48.7	
2479.20	-22.2	H	3.0	36.4	1.0	-57.6	-13.0	-44.6	
3305.60	-20.6	H	3.0	36.1	1.0	-55.8	-13.0	-42.8	
Mid Ch, 836.6									
1673.20	-25.6	V	3.0	37.0	1.0	-61.6	-13.0	-48.6	
2509.80	-21.3	V	3.0	36.4	1.0	-56.7	-13.0	-43.7	
3346.40	-20.7	V	3.0	36.1	1.0	-55.8	-13.0	-42.8	
1673.20	-25.4	H	3.0	37.0	1.0	-61.4	-13.0	-48.4	
2509.80	-22.8	H	3.0	36.4	1.0	-58.2	-13.0	-45.2	
3346.40	-21.0	H	3.0	36.1	1.0	-56.1	-13.0	-43.1	
High Ch, 846.6									
1693.20	-24.9	V	3.0	37.0	1.0	-60.9	-13.0	-47.9	
2539.80	-21.4	V	3.0	36.4	1.0	-56.8	-13.0	-43.8	
3386.40	-20.4	V	3.0	36.1	1.0	-55.5	-13.0	-42.5	
1693.20	-25.5	H	3.0	37.0	1.0	-61.5	-13.0	-48.5	
2539.80	-23.3	H	3.0	36.4	1.0	-58.7	-13.0	-45.7	
3386.40	-20.7	H	3.0	36.1	1.0	-55.8	-13.0	-42.8	

UL Verification Services Chamber G Above 1GHz High Frequency Substitution Measurement									
Company:		SONY							
Project #:		15U20107							
Date:		4/7/2015							
Test Engineer:		Jude Semana							
Configuration:		EUT + Charger + HS							
Location:		Chamber G							
Mode:		Rel99 Band 5 Harmonics							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 826.4									
1652.80	-25.8	V	3.0	37.0	1.0	-61.8	-13.0	-48.8	
2479.20	-20.7	V	3.0	36.4	1.0	-56.1	-13.0	-43.1	
3305.60	-20.4	V	3.0	36.1	1.0	-55.5	-13.0	-42.5	
1652.80	-25.1	H	3.0	37.0	1.0	-61.2	-13.0	-48.2	
2479.20	-22.3	H	3.0	36.4	1.0	-57.7	-13.0	-44.7	
3305.60	-21.2	H	3.0	36.1	1.0	-56.4	-13.0	-43.4	
Mid Ch, 836.6									
1673.20	-25.5	V	3.0	37.0	1.0	-61.5	-13.0	-48.5	
2509.80	-20.3	V	3.0	36.4	1.0	-55.7	-13.0	-42.7	
3346.40	-20.3	V	3.0	36.1	1.0	-55.4	-13.0	-42.4	
1673.20	-25.6	H	3.0	37.0	1.0	-61.5	-13.0	-48.5	
2509.80	-22.9	H	3.0	36.4	1.0	-58.3	-13.0	-45.3	
3346.40	-20.8	H	3.0	36.1	1.0	-55.9	-13.0	-42.9	
High Ch, 846.6									
1693.20	-24.8	V	3.0	37.0	1.0	-60.8	-13.0	-47.8	
2539.80	-21.7	V	3.0	36.4	1.0	-57.1	-13.0	-44.1	
3386.40	-20.7	V	3.0	36.1	1.0	-55.8	-13.0	-42.8	
1693.20	-25.2	H	3.0	37.0	1.0	-61.2	-13.0	-48.2	
2539.80	-23.2	H	3.0	36.4	1.0	-58.6	-13.0	-45.6	
3386.40	-20.5	H	3.0	36.1	1.0	-55.6	-13.0	-42.6	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Sony Project #: 15U20107 Date: 4/8/2015 Test Engineer: K.Kedida Configuration: EUT , AC Adapter, Headset Location: Chamber A Mode: CDMA 1xRTT BC1 Harmonics									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1851.25									
3702.50	-5.0	V	3.0	35.9	1.0	-39.8	-13.0	-26.8	
5553.75	-14.7	V	3.0	35.5	1.0	-49.2	-13.0	-36.2	
7405.00	-13.4	V	3.0	35.7	1.0	-48.1	-13.0	-35.1	
3702.50	-4.1	H	3.0	35.9	1.0	-38.9	-13.0	-25.9	
5553.75	-15.0	H	3.0	35.5	1.0	-49.5	-13.0	-36.5	
7405.00	-13.2	H	3.0	35.7	1.0	-48.0	-13.0	-35.0	
Mid Ch, 1880									
3760.00	-3.0	V	3.0	35.8	1.0	-37.8	-13.0	-24.8	
5640.00	-15.2	V	3.0	35.5	1.0	-49.7	-13.0	-36.7	
7520.00	-13.5	V	3.0	35.7	1.0	-48.2	-13.0	-35.2	
3760.00	-4.4	H	3.0	35.8	1.0	-39.2	-13.0	-26.2	
5640.00	-15.2	H	3.0	35.5	1.0	-49.7	-13.0	-36.7	
7520.00	-12.5	H	3.0	35.7	1.0	-47.2	-13.0	-34.2	
High Ch, 1908.75									
3817.50	-5.4	V	3.0	35.8	1.0	-40.1	-13.0	-27.1	
5726.25	-15.0	V	3.0	35.5	1.0	-49.5	-13.0	-36.5	
7635.00	-12.7	V	3.0	35.8	1.0	-47.5	-13.0	-34.5	
3817.50	-5.5	H	3.0	35.8	1.0	-40.3	-13.0	-27.3	
5726.25	-14.6	H	3.0	35.5	1.0	-49.1	-13.0	-36.1	
7635.00	-12.0	H	3.0	35.8	1.0	-46.7	-13.0	-33.7	

[illegible]

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Sony Project #: 15U20107 Date: 4/9/2015 Test Engineer: K.Kedida Configuration: EUT , AC Adapter, Headset Location: Chamber C Mode: CDMA 1xRTT BC0 Harmonics									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 824.7									
1649.40	-21.1	V	3.0	37.4	1.0	-57.5	-13.0	-44.5	
2474.10	-20.1	V	3.0	36.4	1.0	-55.5	-13.0	-42.5	
3298.80	-22.2	V	3.0	35.8	1.0	-57.0	-13.0	-44.0	
1649.40	-19.6	H	3.0	37.4	1.0	-56.0	-13.0	-43.0	
2474.10	-9.4	H	3.0	36.4	1.0	-44.8	-13.0	-31.8	
3298.80	-22.2	H	3.0	35.8	1.0	-57.0	-13.0	-44.0	
Mid Ch, 836.52									
1673.04	-19.0	V	3.0	37.3	1.0	-55.3	-13.0	-42.3	
2509.56	-18.3	V	3.0	36.4	1.0	-53.7	-13.0	-40.7	
3346.08	-22.6	V	3.0	35.8	1.0	-57.4	-13.0	-44.4	
1673.04	-20.3	H	3.0	37.3	1.0	-56.6	-13.0	-43.6	
2509.56	-13.0	H	3.0	36.4	1.0	-48.4	-13.0	-35.4	
3346.08	-22.1	H	3.0	35.8	1.0	-56.9	-13.0	-43.9	
High Ch, 848.31									
1696.62	-17.4	V	3.0	37.3	1.0	-53.7	-13.0	-40.7	
2544.93	-19.0	V	3.0	36.3	1.0	-54.3	-13.0	-41.3	
3393.24	-21.8	V	3.0	35.7	1.0	-56.5	-13.0	-43.5	
1696.62	-18.7	H	3.0	37.3	1.0	-55.0	-13.0	-42.0	
2544.93	-9.3	H	3.0	36.3	1.0	-44.6	-13.0	-31.6	
3393.24	-21.7	H	3.0	35.7	1.0	-56.4	-13.0	-43.4	

LTE Band 2

High Frequency Substitution Measurement UL Verification Services, Inc.										
Company:		Sony								
Project #:		15U20107								
Date:		4/4/2015								
Test Engineer:		K.Kedida								
Configuration:		EUT/AC Charger/ HS								
Mode:		LTE2_20M_16QAM								
Band	Chamber		Pre-amplifier		Filter		Limit			
	5m Chamber G		T343 8449B		Filter 1		Part 24			
LTE2	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
20MHz	Low Ch, 1860MHz									
	3.720	-21.0	V	3.0	35.4	1.0	-55.4	-13.0	-42.4	
16QAM	5.580	-18.2	V	3.0	34.7	1.0	-52.0	-13.0	-39.0	
	7.440	-16.3	V	3.0	34.9	1.0	-50.2	-13.0	-37.2	
	3.720	-20.1	H	3.0	35.4	1.0	-54.5	-13.0	-41.5	
	5.580	-17.0	H	3.0	34.7	1.0	-50.7	-13.0	-37.7	
	7.440	-15.2	H	3.0	34.9	1.0	-49.1	-13.0	-36.1	
	Mid Ch, 1880.0MHz									
	3.760	-20.1	V	3.0	35.3	1.0	-54.4	-13.0	-41.4	
	5.640	-17.5	V	3.0	34.7	1.0	-51.2	-13.0	-38.2	
	7.520	-16.8	V	3.0	34.9	1.0	-50.7	-13.0	-37.7	
	3.760	-20.2	H	3.0	35.3	1.0	-54.5	-13.0	-41.5	
	5.640	-16.6	H	3.0	34.7	1.0	-50.3	-13.0	-37.3	
	7.520	-14.9	H	3.0	34.9	1.0	-48.8	-13.0	-35.8	
	High Ch, 1900 MHz									
	3.800	-20.0	V	3.0	35.3	1.0	-54.3	-13.0	-41.3	
	5.700	-17.1	V	3.0	34.7	1.0	-50.8	-13.0	-37.8	
	7.600	-15.6	V	3.0	34.9	1.0	-49.5	-13.0	-36.5	
	3.800	-18.5	H	3.0	35.3	1.0	-52.8	-13.0	-39.8	
	5.700	-16.1	H	3.0	34.7	1.0	-49.8	-13.0	-36.8	
	7.600	-15.0	H	3.0	34.9	1.0	-48.9	-13.0	-35.9	

High Frequency Substitution Measurement UL Verification Services, Inc.										
Company:		Sony								
Project #:		15U20107								
Date:		4/4/2015								
Test Engineer:		K.Kedida								
Configuration:		EUT/AC Charger/ HS								
Mode:		LTE2_20M_QPSK								
		Chamber		Pre-amplifier		Filter		Limit		
		5m Chamber G		T343 8449B		Filter 1		Part 24		
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE2 20MHz QPSK	Low Ch, 1860MHz									
	3.720	-20.6	V	3.0	35.4	1.0	-55.0	-13.0	-42.0	
	5.580	-17.3	V	3.0	34.7	1.0	-51.0	-13.0	-38.0	
	7.440	-16.8	V	3.0	34.9	1.0	-50.7	-13.0	-37.7	
	3.720	-20.3	H	3.0	35.4	1.0	-54.7	-13.0	-41.7	
	5.580	-16.1	H	3.0	34.7	1.0	-49.8	-13.0	-36.8	
	7.440	-14.8	H	3.0	34.9	1.0	-48.8	-13.0	-35.8	
	Mid Ch, 1880.0MHz									
	3.760	-19.1	V	3.0	35.3	1.0	-53.5	-13.0	-40.5	
	5.640	-17.1	V	3.0	34.7	1.0	-50.8	-13.0	-37.8	
	7.520	-16.1	V	3.0	34.9	1.0	-50.1	-13.0	-37.1	
	3.760	-19.9	H	3.0	35.3	1.0	-54.2	-13.0	-41.2	
	5.640	-16.1	H	3.0	34.7	1.0	-49.8	-13.0	-36.8	
	7.520	-14.4	H	3.0	34.9	1.0	-48.3	-13.0	-35.3	
	High Ch, 1900 MHz									
	3.800	-19.4	V	3.0	35.3	1.0	-53.7	-13.0	-40.7	
	5.700	-17.3	V	3.0	34.7	1.0	-51.0	-13.0	-38.0	
	7.600	-16.2	V	3.0	34.9	1.0	-50.2	-13.0	-37.2	
3.800	-18.5	H	3.0	35.3	1.0	-52.8	-13.0	-39.8		
5.700	-16.5	H	3.0	34.7	1.0	-50.2	-13.0	-37.2		
7.600	-14.0	H	3.0	34.9	1.0	-48.0	-13.0	-35.0		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

High Frequency Substitution Measurement UL Verification Services, Inc.										
Company:	Sony									
Project #:	15U20107									
Date:	4/4/2015									
Test Engineer:	K.Kedida									
Configuration:	EUT/AC Charger/ HS									
Mode:	LTE2_15M_16QAM									
Chamber Pre-amplifier Filter Limit 5m Chamber G T343 8449B Filter 1 Part 24										
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE2	Low Ch, 1857.5MHz									
15MHz	3.715	-21.2	V	3.0	35.4	1.0	-55.6	-13.0	-42.6	
	5.572	-18.3	V	3.0	34.7	1.0	-52.0	-13.0	-39.0	
	7.424	-17.2	V	3.0	34.9	1.0	-51.1	-13.0	-38.1	
16QAM	3.715	-21.0	H	3.0	35.4	1.0	-55.4	-13.0	-42.4	
	5.572	-16.8	H	3.0	34.7	1.0	-50.6	-13.0	-37.6	
	7.424	-14.9	H	3.0	34.9	1.0	-48.8	-13.0	-35.8	
	Mid Ch, 1880.0MHz									
	3.760	-21.1	V	3.0	35.3	1.0	-55.4	-13.0	-42.4	
	5.640	-18.8	V	3.0	34.7	1.0	-52.6	-13.0	-39.6	
	7.520	-17.2	V	3.0	34.9	1.0	-51.1	-13.0	-38.1	
	3.760	-21.0	H	3.0	35.3	1.0	-55.3	-13.0	-42.3	
	5.640	-16.9	H	3.0	34.7	1.0	-50.6	-13.0	-37.6	
	7.520	-14.9	H	3.0	34.9	1.0	-48.8	-13.0	-35.8	
	High Ch, 1902.5 MHz									
	3.805	-21.1	V	3.0	35.3	1.0	-55.4	-13.0	-42.4	
	5.707	-17.7	V	3.0	34.7	1.0	-51.4	-13.0	-38.4	
	7.610	-17.1	V	3.0	34.9	1.0	-51.1	-13.0	-38.1	
	3.805	-20.5	H	3.0	35.3	1.0	-54.8	-13.0	-41.8	
	5.707	-18.4	H	3.0	34.7	1.0	-52.1	-13.0	-39.1	
	7.610	-15.2	H	3.0	34.9	1.0	-49.1	-13.0	-36.1	
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

High Frequency Substitution Measurement UL Verification Services, Inc.										
Company: Sony Project #: 15U20107 Date: 4/4/2015 Test Engineer: K. Kedida Configuration: EUT/AC Charger/ HS Mode: LTE2_15M_QPSK										
Chamber		Pre-amplifier		Filter		Limit				
5m Chamber G		T343 8449B		Filter 1		Part 24				
Band LTE2 15MHz QPSK	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1857.5MHz										
	3.715	-20.9	V	3.0	35.4	1.0	-55.3	-13.0	-42.3	
	5.572	-18.2	V	3.0	34.7	1.0	-52.0	-13.0	-39.0	
	7.424	-16.8	V	3.0	34.9	1.0	-50.7	-13.0	-37.7	
	3.715	-20.9	H	3.0	35.4	1.0	-55.2	-13.0	-42.2	
	5.572	-17.4	H	3.0	34.7	1.0	-51.1	-13.0	-38.1	
	7.424	-15.0	H	3.0	34.9	1.0	-48.9	-13.0	-35.9	
Mid Ch, 1880.0MHz										
	3.760	-21.1	V	3.0	35.3	1.0	-55.4	-13.0	-42.4	
	5.640	-18.2	V	3.0	34.7	1.0	-51.9	-13.0	-38.9	
	7.520	-16.8	V	3.0	34.9	1.0	-50.7	-13.0	-37.7	
	3.760	-20.8	H	3.0	35.3	1.0	-55.2	-13.0	-42.2	
	5.640	-17.1	H	3.0	34.7	1.0	-50.8	-13.0	-37.8	
	7.520	-14.8	H	3.0	34.9	1.0	-48.7	-13.0	-35.7	
High Ch, 1902.5 MHz										
	3.805	-20.9	V	3.0	35.3	1.0	-55.2	-13.0	-42.2	
	5.707	-17.0	V	3.0	34.7	1.0	-50.8	-13.0	-37.8	
	7.610	-15.9	V	3.0	34.9	1.0	-49.9	-13.0	-36.9	
	3.805	-20.2	H	3.0	35.3	1.0	-54.5	-13.0	-41.5	
	5.707	-17.0	H	3.0	34.7	1.0	-50.7	-13.0	-37.7	
	7.610	-15.3	H	3.0	34.9	1.0	-49.3	-13.0	-36.3	
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

High Frequency Substitution Measurement UL Verification Services, Inc.										
Band LTE2 10MHz 16QAM	Company: Sony									
	Project #: 15U20107									
	Date: 4/4/2015									
	Test Engineer: K.Kedida									
	Configuration: EUT/AC Charger/ HS									
	Mode: LTE2_10M_16QAM									
	Chamber 5m Chamber G		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
	Low Ch, 1855.0MHz									
	3.710	-20.1	V	3.0	35.4	1.0	-54.5	-13.0	-41.5	
5.565	-17.5	V	3.0	34.7	1.0	-51.2	-13.0	-38.2		
7.420	-16.1	V	3.0	34.9	1.0	-50.1	-13.0	-37.1		
3.710	-21.6	H	3.0	35.4	1.0	-56.0	-13.0	-43.0		
5.565	-17.8	H	3.0	34.7	1.0	-51.5	-13.0	-38.5		
7.420	-15.0	H	3.0	34.9	1.0	-48.9	-13.0	-35.9		
Mid Ch, 1880.0MHz										
3.760	-20.9	V	3.0	35.3	1.0	-55.3	-13.0	-42.3		
5.640	-17.1	V	3.0	34.7	1.0	-50.8	-13.0	-37.8		
7.520	-16.1	V	3.0	34.9	1.0	-50.0	-13.0	-37.0		
3.760	-20.7	H	3.0	35.3	1.0	-55.1	-13.0	-42.1		
5.640	-17.3	H	3.0	34.7	1.0	-51.0	-13.0	-38.0		
7.520	-15.0	H	3.0	34.9	1.0	-48.9	-13.0	-35.9		
High Ch, 1905 MHz										
3.810	-20.9	V	3.0	35.3	1.0	-55.2	-13.0	-42.2		
5.715	-16.6	V	3.0	34.7	1.0	-50.4	-13.0	-37.4		
7.620	-15.9	V	3.0	34.9	1.0	-49.9	-13.0	-36.9		
3.810	-20.7	H	3.0	35.3	1.0	-55.0	-13.0	-42.0		
5.715	-17.0	H	3.0	34.7	1.0	-50.7	-13.0	-37.7		
7.620	-15.3	H	3.0	34.9	1.0	-49.3	-13.0	-36.3		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

High Frequency Substitution Measurement UL Verification Services, Inc.										
Company:	Sony									
Project #:	15U20107									
Date:	4/4/2015									
Test Engineer:	K.Kedida									
Configuration:	EUT/AC Charger/ HS									
Mode:	LTE2_10M_QPSK									
Chamber		Pre-amplifier		Filter		Limit				
5m Chamber G		T343 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE2 10MHz QPSK	Low Ch, 1855.0MHz									
	3.710	-20.3	V	3.0	35.4	1.0	-54.7	-13.0	-41.7	
	5.565	-17.1	V	3.0	34.7	1.0	-50.8	-13.0	-37.8	
	7.420	-16.0	V	3.0	34.9	1.0	-49.9	-13.0	-36.9	
	3.710	-20.2	H	3.0	35.4	1.0	-54.6	-13.0	-41.6	
	5.565	-16.0	H	3.0	34.7	1.0	-49.8	-13.0	-36.8	
	7.420	-13.5	H	3.0	34.9	1.0	-47.4	-13.0	-34.4	
	Mid Ch, 1880.0MHz									
	3.760	-20.6	V	3.0	35.3	1.0	-55.0	-13.0	-42.0	
	5.640	-17.5	V	3.0	34.7	1.0	-51.3	-13.0	-38.3	
	7.520	-15.6	V	3.0	34.9	1.0	-49.5	-13.0	-36.5	
	3.760	-20.3	H	3.0	35.3	1.0	-54.6	-13.0	-41.6	
	5.640	-16.4	H	3.0	34.7	1.0	-50.1	-13.0	-37.1	
	7.520	-14.7	H	3.0	34.9	1.0	-48.6	-13.0	-35.6	
	High Ch, 1905 MHz									
	3.810	-20.2	V	3.0	35.3	1.0	-54.5	-13.0	-41.5	
	5.715	-16.4	V	3.0	34.7	1.0	-50.2	-13.0	-37.2	
	7.620	-14.8	V	3.0	34.9	1.0	-48.8	-13.0	-35.8	
3.810	-20.0	H	3.0	35.3	1.0	-54.3	-13.0	-41.3		
5.715	-16.3	H	3.0	34.7	1.0	-50.0	-13.0	-37.0		
7.620	-14.6	H	3.0	34.9	1.0	-48.6	-13.0	-35.6		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

High Frequency Substitution Measurement UL Verification Services, Inc.																																																																																																																																																																																																																																						
Company: Sony Project #: 15U20107 Date: 4/4/2015 Test Engineer: K.Kedida Configuration: EUT/AC Charger/ HS Mode: LTE2_5M_16QAM																																																																																																																																																																																																																																						
Chamber 5m Chamber G		Pre-amplifier T343 8449B		Filter Filter 1		Limit Part 24																																																																																																																																																																																																																																
Band LTE2 5MHz 16QAM	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>f GHz</th> <th>SG reading (dBm)</th> <th>Ant. Pol. (H/V)</th> <th>Distance (m)</th> <th>Preamp (dB)</th> <th>Filter (dB)</th> <th>EIRP (dBm)</th> <th>Limit (dBm)</th> <th>Delta (dB)</th> <th>Notes</th> </tr> </thead> <tbody> <tr><td colspan="10">Low Ch, 1852.5MHz</td></tr> <tr><td>3.705</td><td>-20.9</td><td>V</td><td>3.0</td><td>35.4</td><td>1.0</td><td>-55.3</td><td>-13.0</td><td>-42.3</td><td></td></tr> <tr><td>5.557</td><td>-17.6</td><td>V</td><td>3.0</td><td>34.7</td><td>1.0</td><td>-51.3</td><td>-13.0</td><td>-38.3</td><td></td></tr> <tr><td>7.410</td><td>-16.2</td><td>V</td><td>3.0</td><td>34.9</td><td>1.0</td><td>-50.1</td><td>-13.0</td><td>-37.1</td><td></td></tr> <tr><td>3.705</td><td>-21.0</td><td>H</td><td>3.0</td><td>35.4</td><td>1.0</td><td>-55.4</td><td>-13.0</td><td>-42.4</td><td></td></tr> <tr><td>5.557</td><td>-15.5</td><td>H</td><td>3.0</td><td>34.7</td><td>1.0</td><td>-49.2</td><td>-13.0</td><td>-36.2</td><td></td></tr> <tr><td>7.410</td><td>-14.4</td><td>H</td><td>3.0</td><td>34.9</td><td>1.0</td><td>-48.4</td><td>-13.0</td><td>-35.4</td><td></td></tr> <tr><td colspan="10">Mid Ch, 1880.0MHz</td></tr> <tr><td>3.760</td><td>-20.8</td><td>V</td><td>3.0</td><td>35.3</td><td>1.0</td><td>-55.2</td><td>-13.0</td><td>-42.2</td><td></td></tr> <tr><td>5.640</td><td>-16.7</td><td>V</td><td>3.0</td><td>34.7</td><td>1.0</td><td>-50.5</td><td>-13.0</td><td>-37.5</td><td></td></tr> <tr><td>7.520</td><td>-16.0</td><td>V</td><td>3.0</td><td>34.9</td><td>1.0</td><td>-50.0</td><td>-13.0</td><td>-37.0</td><td></td></tr> <tr><td>3.760</td><td>-19.9</td><td>H</td><td>3.0</td><td>35.3</td><td>1.0</td><td>-54.2</td><td>-13.0</td><td>-41.2</td><td></td></tr> <tr><td>5.640</td><td>-16.1</td><td>H</td><td>3.0</td><td>34.7</td><td>1.0</td><td>-49.9</td><td>-13.0</td><td>-36.9</td><td></td></tr> <tr><td>7.520</td><td>-14.0</td><td>H</td><td>3.0</td><td>34.9</td><td>1.0</td><td>-48.0</td><td>-13.0</td><td>-35.0</td><td></td></tr> <tr><td colspan="10">High Ch, 1907.5 MHz</td></tr> <tr><td>3.815</td><td>-19.6</td><td>V</td><td>3.0</td><td>35.3</td><td>1.0</td><td>-53.9</td><td>-13.0</td><td>-40.9</td><td></td></tr> <tr><td>5.722</td><td>-16.8</td><td>V</td><td>3.0</td><td>34.7</td><td>1.0</td><td>-50.5</td><td>-13.0</td><td>-37.5</td><td></td></tr> <tr><td>7.630</td><td>-15.5</td><td>V</td><td>3.0</td><td>34.9</td><td>1.0</td><td>-49.5</td><td>-13.0</td><td>-36.5</td><td></td></tr> <tr><td>3.815</td><td>-19.5</td><td>H</td><td>3.0</td><td>35.3</td><td>1.0</td><td>-53.8</td><td>-13.0</td><td>-40.8</td><td></td></tr> <tr><td>5.722</td><td>-17.2</td><td>H</td><td>3.0</td><td>34.7</td><td>1.0</td><td>-50.9</td><td>-13.0</td><td>-37.9</td><td></td></tr> <tr><td>7.630</td><td>-13.8</td><td>H</td><td>3.0</td><td>34.9</td><td>1.0</td><td>-47.7</td><td>-13.0</td><td>-34.7</td><td></td></tr> </tbody> </table>	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	Low Ch, 1852.5MHz										3.705	-20.9	V	3.0	35.4	1.0	-55.3	-13.0	-42.3		5.557	-17.6	V	3.0	34.7	1.0	-51.3	-13.0	-38.3		7.410	-16.2	V	3.0	34.9	1.0	-50.1	-13.0	-37.1		3.705	-21.0	H	3.0	35.4	1.0	-55.4	-13.0	-42.4		5.557	-15.5	H	3.0	34.7	1.0	-49.2	-13.0	-36.2		7.410	-14.4	H	3.0	34.9	1.0	-48.4	-13.0	-35.4		Mid Ch, 1880.0MHz										3.760	-20.8	V	3.0	35.3	1.0	-55.2	-13.0	-42.2		5.640	-16.7	V	3.0	34.7	1.0	-50.5	-13.0	-37.5		7.520	-16.0	V	3.0	34.9	1.0	-50.0	-13.0	-37.0		3.760	-19.9	H	3.0	35.3	1.0	-54.2	-13.0	-41.2		5.640	-16.1	H	3.0	34.7	1.0	-49.9	-13.0	-36.9		7.520	-14.0	H	3.0	34.9	1.0	-48.0	-13.0	-35.0		High Ch, 1907.5 MHz										3.815	-19.6	V	3.0	35.3	1.0	-53.9	-13.0	-40.9		5.722	-16.8	V	3.0	34.7	1.0	-50.5	-13.0	-37.5		7.630	-15.5	V	3.0	34.9	1.0	-49.5	-13.0	-36.5		3.815	-19.5	H	3.0	35.3	1.0	-53.8	-13.0	-40.8		5.722	-17.2	H	3.0	34.7	1.0	-50.9	-13.0	-37.9		7.630	-13.8	H	3.0	34.9	1.0	-47.7	-13.0	-34.7		Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.								
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High Frequency Substitution Measurement UL Verification Services, Inc.										
Company:	Sony									
Project #:	15U20107									
Date:	4/4/2015									
Test Engineer:	K.Kedida									
Configuration:	EUT/AC Charger/ HS									
Mode:	LTE2_5M_QPSK									
Chamber Pre-amplifier Filter Limit 5m Chamber G T343 8449B Filter 1 Part 24										
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE2	Low Ch, 1852.5MHz									
5MHz	3.705	-20.4	V	3.0	35.4	1.0	-54.8	-13.0	-41.8	
QPSK	5.557	-17.2	V	3.0	34.7	1.0	-51.0	-13.0	-38.0	
	7.410	-16.2	V	3.0	34.9	1.0	-50.1	-13.0	-37.1	
	3.705	-20.6	H	3.0	35.4	1.0	-54.9	-13.0	-41.9	
	5.557	-15.3	H	3.0	34.7	1.0	-49.0	-13.0	-36.0	
	7.410	-14.9	H	3.0	34.9	1.0	-48.8	-13.0	-35.8	
	Mid Ch, 1880.0MHz									
	3.760	-20.3	V	3.0	35.3	1.0	-54.6	-13.0	-41.6	
	5.640	-15.9	V	3.0	34.7	1.0	-49.7	-13.0	-36.7	
	7.520	-16.3	V	3.0	34.9	1.0	-50.3	-13.0	-37.3	
	3.760	-20.2	H	3.0	35.3	1.0	-54.6	-13.0	-41.6	
	5.640	-15.3	H	3.0	34.7	1.0	-49.0	-13.0	-36.0	
	7.520	-14.2	H	3.0	34.9	1.0	-48.2	-13.0	-35.2	
	High Ch, 1907.5 MHz									
	3.815	-20.2	V	3.0	35.3	1.0	-54.5	-13.0	-41.5	
	5.722	-16.5	V	3.0	34.7	1.0	-50.2	-13.0	-37.2	
	7.630	-15.8	V	3.0	34.9	1.0	-49.8	-13.0	-36.8	
	3.815	-19.2	H	3.0	35.3	1.0	-53.5	-13.0	-40.5	
	5.722	-16.0	H	3.0	34.7	1.0	-49.8	-13.0	-36.8	
	7.630	-14.3	H	3.0	34.9	1.0	-48.2	-13.0	-35.2	
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

High Frequency Substitution Measurement UL Verification Services, Inc.										
Company:	Sony									
Project #:	15U20107									
Date:	4/4/2015									
Test Engineer:	K.Kedida									
Configuration:	EUT/AC Charger/ HS									
Mode:	LTE2_3M_HARM_16QAM									
Chamber Pre-amplifier Filter Limit 5m Chamber G T343 8449B Filter 1 Part 24										
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE2	Low Ch, 1851.5MHz									
3MHz	3.703	-20.1	V	3.0	35.4	1.0	-54.5	-13.0	-41.5	
16QAM	5.554	-16.9	V	3.0	34.7	1.0	-50.7	-13.0	-37.7	
	7.406	-15.6	V	3.0	34.9	1.0	-49.5	-13.0	-36.5	
	3.703	-19.8	H	3.0	35.4	1.0	-54.2	-13.0	-41.2	
	5.554	-14.0	H	3.0	34.7	1.0	-47.7	-13.0	-34.7	
	7.406	-14.2	H	3.0	34.9	1.0	-48.1	-13.0	-35.1	
	Mid Ch, 1880.0MHz									
	3.760	-20.8	V	3.0	35.3	1.0	-55.1	-13.0	-42.1	
	5.640	-16.0	V	3.0	34.7	1.0	-49.7	-13.0	-36.7	
	7.520	-16.4	V	3.0	34.9	1.0	-50.3	-13.0	-37.3	
	3.760	-20.8	H	3.0	35.3	1.0	-55.1	-13.0	-42.1	
	5.640	-15.3	H	3.0	34.7	1.0	-49.1	-13.0	-36.1	
	7.520	-14.3	H	3.0	34.9	1.0	-48.2	-13.0	-35.2	
	High Ch, 1908.5 MHz									
	3.817	-20.3	V	3.0	35.3	1.0	-54.5	-13.0	-41.5	
	5.725	-16.4	V	3.0	34.7	1.0	-50.1	-13.0	-37.1	
	7.634	-15.4	V	3.0	34.9	1.0	-49.3	-13.0	-36.3	
	3.817	-20.3	H	3.0	35.3	1.0	-54.6	-13.0	-41.6	
	5.725	-16.9	H	3.0	34.7	1.0	-50.6	-13.0	-37.6	
	7.634	-14.4	H	3.0	34.9	1.0	-48.4	-13.0	-35.4	
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

High Frequency Substitution Measurement UL Verification Services, Inc.										
Company: Sony Project #: 15U20107 Date: 4/4/2015 Test Engineer: K.Kedida Configuration: EUT/AC Charger/ HS Mode: LTE2_3M_HARM_QPSK										
Chamber		Pre-amplifier		Filter		Limit				
5m Chamber G		T343 8449B		Filter 1		Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE2 3MHz QPSK	Low Ch, 1851.5MHz									
	3.703	-20.3	V	3.0	35.4	1.0	-54.7	-13.0	-41.7	
	5.554	-16.6	V	3.0	34.7	1.0	-50.3	-13.0	-37.3	
	7.406	-15.9	V	3.0	34.9	1.0	-49.8	-13.0	-36.8	
	3.703	-18.9	H	3.0	35.4	1.0	-53.3	-13.0	-40.3	
	5.554	-13.4	H	3.0	34.7	1.0	-47.2	-13.0	-34.2	
	7.406	-14.3	H	3.0	34.9	1.0	-48.2	-13.0	-35.2	
	Mid Ch, 1880.0MHz									
	3.760	-20.4	V	3.0	35.3	1.0	-54.7	-13.0	-41.7	
	5.640	-16.2	V	3.0	34.7	1.0	-50.0	-13.0	-37.0	
	7.520	-16.2	V	3.0	34.9	1.0	-50.1	-13.0	-37.1	
	3.760	-20.0	H	3.0	35.3	1.0	-54.3	-13.0	-41.3	
	5.640	-15.5	H	3.0	34.7	1.0	-49.3	-13.0	-36.3	
	7.520	-14.5	H	3.0	34.9	1.0	-48.4	-13.0	-35.4	
	High Ch, 1908.5 MHz									
	3.817	-20.3	V	3.0	35.3	1.0	-54.6	-13.0	-41.6	
	5.725	-15.8	V	3.0	34.7	1.0	-49.5	-13.0	-36.5	
	7.634	-16.0	V	3.0	34.9	1.0	-49.9	-13.0	-36.9	
3.817	-20.1	H	3.0	35.3	1.0	-54.4	-13.0	-41.4		
5.725	-16.4	H	3.0	34.7	1.0	-50.1	-13.0	-37.1		
7.634	-13.7	H	3.0	34.9	1.0	-47.7	-13.0	-34.7		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

High Frequency Substitution Measurement UL Verification Services, Inc.										
Company: Sony Project #: 15U20107 Date: 4/4/2015 Test Engineer: K.Kedida Configuration: EUT/AC Charger/ HS Mode: LTE2_1.4M_HARM_16QAM										
Chamber		Pre-amplifier		Filter		Limit				
5m Chamber G		T343 8449B		Filter 1		Part 24				
Band LTE2 1.4MHz 16QAM	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1850.7MHz										
	3.702	-20.3	V	3.0	35.4	1.0	-54.7	-13.0	-41.7	
	5.553	-15.6	V	3.0	34.7	1.0	-49.3	-13.0	-36.3	
	7.404	-15.0	V	3.0	34.9	1.0	-48.9	-13.0	-35.9	
	3.702	-19.8	H	3.0	35.4	1.0	-54.2	-13.0	-41.2	
	5.553	-14.2	H	3.0	34.7	1.0	-48.0	-13.0	-35.0	
	7.404	-14.6	H	3.0	34.9	1.0	-48.5	-13.0	-35.5	
Mid Ch, 1880.0MHz										
	3.760	-18.9	V	3.0	35.3	1.0	-53.2	-13.0	-40.2	
	5.640	-13.5	V	3.0	34.7	1.0	-47.2	-13.0	-34.2	
	7.520	-16.1	V	3.0	34.9	1.0	-50.0	-13.0	-37.0	
	3.760	-19.7	H	3.0	35.3	1.0	-54.0	-13.0	-41.0	
	5.640	-12.1	H	3.0	34.7	1.0	-45.8	-13.0	-32.8	
	7.520	-14.4	H	3.0	34.9	1.0	-48.3	-13.0	-35.3	
High Ch, 1909.3 MHz										
	3.816	-19.6	V	3.0	35.3	1.0	-53.9	-13.0	-40.9	
	5.724	-13.9	V	3.0	34.7	1.0	-47.6	-13.0	-34.6	
	7.632	-15.9	V	3.0	34.9	1.0	-49.8	-13.0	-36.8	
	3.816	-20.6	H	3.0	35.3	1.0	-54.9	-13.0	-41.9	
	5.724	-12.9	H	3.0	34.7	1.0	-46.6	-13.0	-33.6	
	7.632	-14.3	H	3.0	34.9	1.0	-48.2	-13.0	-35.2	
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

High Frequency Substitution Measurement UL Verification Services, Inc.										
Company: Sony Project #: 15U20107 Date: 4/4/2015 Test Engineer: K.Kedida Configuration: EUT/AC Charger/ HS Mode: LTE2_1.4M_HARM_QPSK										
Chamber 5m Chamber G		Pre-amplifier T343 8449B		Filter Filter 1		Limit Part 24				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE2 1.4MHz QPSK	Low Ch, 1850.7MHz									
	3.702	-20.0	V	3.0	35.4	1.0	-54.4	-13.0	-41.4	
	5.553	-15.0	V	3.0	34.7	1.0	-48.7	-13.0	-35.7	
	7.404	-15.4	V	3.0	34.9	1.0	-49.3	-13.0	-36.3	
	3.702	-19.3	H	3.0	35.4	1.0	-53.7	-13.0	-40.7	
	5.553	-13.1	H	3.0	34.7	1.0	-46.8	-13.0	-33.8	
	7.404	-14.3	H	3.0	34.9	1.0	-48.2	-13.0	-35.2	
	Mid Ch, 1880.0MHz									
	3.760	-19.0	V	3.0	35.3	1.0	-53.4	-13.0	-40.4	
	5.640	-13.1	V	3.0	34.7	1.0	-46.8	-13.0	-33.8	
	7.520	-16.4	V	3.0	34.9	1.0	-50.3	-13.0	-37.3	
	3.760	-19.1	H	3.0	35.3	1.0	-53.5	-13.0	-40.5	
	5.640	-12.0	H	3.0	34.7	1.0	-45.8	-13.0	-32.8	
	7.520	-14.7	H	3.0	34.9	1.0	-48.7	-13.0	-35.7	
	High Ch, 1909.3 MHz									
	3.816	-19.2	V	3.0	35.3	1.0	-53.5	-13.0	-40.5	
	5.724	-13.9	V	3.0	34.7	1.0	-47.7	-13.0	-34.7	
	7.632	-15.6	V	3.0	34.9	1.0	-49.5	-13.0	-36.5	
	3.816	-19.8	H	3.0	35.3	1.0	-54.0	-13.0	-41.0	
	5.724	-12.5	H	3.0	34.7	1.0	-46.2	-13.0	-33.2	
7.632	-13.9	H	3.0	34.9	1.0	-47.9	-13.0	-34.9		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

LTE Band 4

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/4/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber G							
Mode:		LTE_16QAM Band 4 Harmonics, 20MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1720									
3440.00	-20.3	V	3.0	36.0	1.0	-55.3	-13.0	-42.3	
5160.00	-17.5	V	3.0	35.4	1.0	-52.0	-13.0	-39.0	
6880.00	-16.2	V	3.0	35.7	1.0	-50.9	-13.0	-37.9	
3440.00	-20.7	H	3.0	36.0	1.0	-55.8	-13.0	-42.8	
5160.00	-16.5	H	3.0	35.4	1.0	-51.0	-13.0	-38.0	
6880.00	-15.4	H	3.0	35.7	1.0	-50.1	-13.0	-37.1	
Mid Ch, 1732.5									
3465.00	-20.6	V	3.0	36.0	1.0	-55.6	-13.0	-42.6	
5197.50	-16.9	V	3.0	35.4	1.0	-51.3	-13.0	-38.3	
6930.00	-16.2	V	3.0	35.7	1.0	-50.8	-13.0	-37.8	
3465.00	-20.5	H	3.0	36.0	1.0	-55.6	-13.0	-42.6	
5197.50	-16.3	H	3.0	35.4	1.0	-50.7	-13.0	-37.7	
6930.00	-15.0	H	3.0	35.7	1.0	-49.7	-13.0	-36.7	
High Ch, 1745									
3490.00	-20.5	V	3.0	36.0	1.0	-55.5	-13.0	-42.5	
5235.00	-16.9	V	3.0	35.4	1.0	-51.3	-13.0	-38.3	
6980.00	-16.5	V	3.0	35.7	1.0	-51.2	-13.0	-38.2	
3490.00	-21.6	H	3.0	36.0	1.0	-56.6	-13.0	-43.6	
5235.00	-17.5	H	3.0	35.4	1.0	-51.9	-13.0	-38.9	
6980.00	-14.6	H	3.0	35.7	1.0	-49.3	-13.0	-36.3	

Compliance Certification Services

Above 1GHz High Frequency Substitution Measurement

Company:

Sony

Project #:

15U20107

Date:

4/4/2015

Test Engineer:

K.Kedida

Configuration:

EUT/AC Charger/ HS

Location:

Chamber G

Mode:

LTE_QPSK Band 4 Harmonics, 20MHz Bandwidth

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1720									
3440.00	-20.4	V	3.0	36.0	1.0	-55.4	-13.0	-42.4	
5160.00	-16.6	V	3.0	35.4	1.0	-51.1	-13.0	-38.1	
6880.00	-16.4	V	3.0	35.7	1.0	-51.1	-13.0	-38.1	
3440.00	-20.0	H	3.0	36.0	1.0	-55.0	-13.0	-42.0	
5160.00	-16.4	H	3.0	35.4	1.0	-50.8	-13.0	-37.8	
6880.00	-15.4	H	3.0	35.7	1.0	-50.1	-13.0	-37.1	
Mid Ch, 1732.5									
3465.00	-19.6	V	3.0	36.0	1.0	-54.6	-13.0	-41.6	
5197.50	-17.0	V	3.0	35.4	1.0	-51.4	-13.0	-38.4	
6930.00	-16.3	V	3.0	35.7	1.0	-50.9	-13.0	-37.9	
3465.00	-19.7	H	3.0	36.0	1.0	-54.7	-13.0	-41.7	
5197.50	-15.8	H	3.0	35.4	1.0	-50.2	-13.0	-37.2	
6930.00	-15.0	H	3.0	35.7	1.0	-49.6	-13.0	-36.6	
High Ch, 1745									
3490.00	-20.4	V	3.0	36.0	1.0	-55.4	-13.0	-42.4	
5235.00	-16.8	V	3.0	35.4	1.0	-51.2	-13.0	-38.2	
6980.00	-16.6	V	3.0	35.7	1.0	-51.3	-13.0	-38.3	
3490.00	-20.5	H	3.0	36.0	1.0	-55.5	-13.0	-42.5	
5235.00	-17.1	H	3.0	35.4	1.0	-51.5	-13.0	-38.5	
6980.00	-14.5	H	3.0	35.7	1.0	-49.2	-13.0	-36.2	

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/4/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber G							
Mode:		LTE_16QAM Band 4 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1717.5									
3435.00	-20.6	V	3.0	36.1	1.0	-55.7	-13.0	-42.7	
5152.50	-16.8	V	3.0	35.4	1.0	-51.2	-13.0	-38.2	
6870.00	-17.1	V	3.0	35.7	1.0	-51.7	-13.0	-38.7	
3435.00	-21.0	H	3.0	36.1	1.0	-56.0	-13.0	-43.0	
5152.50	-16.8	H	3.0	35.4	1.0	-51.3	-13.0	-38.3	
6870.00	-15.2	H	3.0	35.7	1.0	-49.9	-13.0	-36.9	
Mid Ch, 1732.5									
3465.00	-20.6	V	3.0	36.0	1.0	-55.6	-13.0	-42.6	
5197.50	-17.5	V	3.0	35.4	1.0	-52.0	-13.0	-39.0	
6930.00	-17.3	V	3.0	35.7	1.0	-51.9	-13.0	-38.9	
3465.00	-21.2	H	3.0	36.0	1.0	-56.2	-13.0	-43.2	
5197.50	-17.2	H	3.0	35.4	1.0	-51.6	-13.0	-38.6	
6930.00	-14.6	H	3.0	35.7	1.0	-49.3	-13.0	-36.3	
High Ch, 1747.5									
3495.00	-20.9	V	3.0	36.0	1.0	-55.9	-13.0	-42.9	
5242.50	-17.5	V	3.0	35.4	1.0	-52.0	-13.0	-39.0	
6990.00	-16.0	V	3.0	35.7	1.0	-50.7	-13.0	-37.7	
3495.00	-20.5	H	3.0	36.0	1.0	-55.5	-13.0	-42.5	
5242.50	-16.2	H	3.0	35.4	1.0	-50.7	-13.0	-37.7	
6990.00	-15.0	H	3.0	35.7	1.0	-49.6	-13.0	-36.6	

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/4/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber G							
Mode:		LTE_QPSK Band 4 Harmonics, 15MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1717.5									
3435.00	-20.4	V	3.0	36.1	1.0	-55.4	-13.0	-42.4	
5152.50	-16.5	V	3.0	35.4	1.0	-51.0	-13.0	-38.0	
6870.00	-16.8	V	3.0	35.7	1.0	-51.4	-13.0	-38.4	
3435.00	-20.2	H	3.0	36.1	1.0	-55.2	-13.0	-42.2	
5152.50	-16.4	H	3.0	35.4	1.0	-50.8	-13.0	-37.8	
6870.00	-14.9	H	3.0	35.7	1.0	-49.5	-13.0	-36.5	
Mid Ch, 1732.5									
3465.00	-20.2	V	3.0	36.0	1.0	-55.2	-13.0	-42.2	
5197.50	-16.9	V	3.0	35.4	1.0	-51.3	-13.0	-38.3	
6930.00	-16.7	V	3.0	35.7	1.0	-51.4	-13.0	-38.4	
3465.00	-19.6	H	3.0	36.0	1.0	-54.7	-13.0	-41.7	
5197.50	-16.1	H	3.0	35.4	1.0	-50.6	-13.0	-37.6	
6930.00	-14.2	H	3.0	35.7	1.0	-48.8	-13.0	-35.8	
High Ch, 1747.5									
3495.00	-20.4	V	3.0	36.0	1.0	-55.4	-13.0	-42.4	
5242.50	-17.1	V	3.0	35.4	1.0	-51.5	-13.0	-38.5	
6990.00	-16.1	V	3.0	35.7	1.0	-50.8	-13.0	-37.8	
3495.00	-20.2	H	3.0	36.0	1.0	-55.3	-13.0	-42.3	
5242.50	-16.2	H	3.0	35.4	1.0	-50.6	-13.0	-37.6	
6990.00	-14.6	H	3.0	35.7	1.0	-49.3	-13.0	-36.3	

Compliance Certification Services									
Above 1GHz High Frequency Substitution Measurement									
Configuration:		Sony							
Project #:		15U20107							
Date:		4/4/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber G							
Mode:		LTE_16QAM Band 4 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1710.7									
3430.00	-20.7	V	3.0	36.1	1.0	-55.7	-13.0	-42.7	
5145.00	-16.6	V	3.0	35.4	1.0	-51.0	-13.0	-38.0	
6860.00	-16.5	V	3.0	35.7	1.0	-51.2	-13.0	-38.2	
3430.00	-21.1	H	3.0	36.1	1.0	-56.1	-13.0	-43.1	
5145.00	-17.1	H	3.0	35.4	1.0	-51.6	-13.0	-38.6	
6860.00	-15.3	H	3.0	35.7	1.0	-50.0	-13.0	-37.0	
Mid Ch, 1732.5									
3465.00	-19.6	V	3.0	36.0	1.0	-54.6	-13.0	-41.6	
5197.50	-17.0	V	3.0	35.4	1.0	-51.4	-13.0	-38.4	
6930.00	-16.5	V	3.0	35.7	1.0	-51.2	-13.0	-38.2	
3465.00	-21.1	H	3.0	36.0	1.0	-56.2	-13.0	-43.2	
5197.50	-17.0	H	3.0	35.4	1.0	-51.4	-13.0	-38.4	
6930.00	-13.3	H	3.0	35.7	1.0	-48.0	-13.0	-35.0	
High Ch, 1750									
3500.00	-20.5	V	3.0	36.0	1.0	-55.5	-13.0	-42.5	
5250.00	-17.5	V	3.0	35.4	1.0	-51.9	-13.0	-38.9	
7000.00	-16.3	V	3.0	35.7	1.0	-51.0	-13.0	-38.0	
3500.00	-20.2	H	3.0	36.0	1.0	-55.2	-13.0	-42.2	
5250.00	-17.5	H	3.0	35.4	1.0	-51.9	-13.0	-38.9	
7000.00	-14.9	H	3.0	35.7	1.0	-49.6	-13.0	-36.6	

		Compliance Certification Services								
		Above 1GHz High Frequency Substitution Measurement								
		Configuration:	Sony							
		Project #:	15U20107							
		Date:	4/4/2015							
		Test Engineer:	K.Kedida							
		Configuration:	EUT/AC Charger/ HS							
		Location:	Chamber G							
		Mode:	LTE_QPSK Band 4 Harmonics, 10MHz Bandwidth							

Compliance Certification Services										
Above 1GHz High Frequency Substitution Measurement										
Company:		Sony								
Project #:		15U20107								
Date:		4/4/2015								
Test Engineer:		K.Kedida								
Configuration:		EUT/AC Charger/ HS								
Location:		Chamber G								
Mode:		LTE_16QAM Band 4 Harmonics, 5MHz Bandwidth								
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Band	Low Ch, 1712.5									
	3425.00	109.3	V	3.0	36.1	1.0	74.3	-13.0	87.3	
	5137.50	-17.5	V	3.0	35.4	1.0	-51.9	-13.0	-38.9	
LTE4	6850.00	-16.3	V	3.0	35.7	1.0	-51.0	-13.0	-38.0	
	3425.00	-20.7	H	3.0	36.1	1.0	-55.8	-13.0	-42.8	
5MHz	5137.50	-17.1	H	3.0	35.4	1.0	-51.5	-13.0	-38.5	
	6850.00	-14.8	H	3.0	35.7	1.0	-49.5	-13.0	-36.5	
16QAM	Mid Ch, 1732.5									
	3465.00	-18.9	V	3.0	36.0	1.0	-54.0	-13.0	-41.0	
	5197.50	-16.6	V	3.0	35.4	1.0	-51.0	-13.0	-38.0	
	6930.00	-17.2	V	3.0	35.7	1.0	-51.9	-13.0	-38.9	
	3465.00	-19.6	H	3.0	36.0	1.0	-54.6	-13.0	-41.6	
	5197.50	-15.9	H	3.0	35.4	1.0	-50.3	-13.0	-37.3	
	6930.00	-15.1	H	3.0	35.7	1.0	-49.7	-13.0	-36.7	
	High Ch, 1752.5									
	3505.00	-20.7	V	3.0	36.0	1.0	-55.7	-13.0	-42.7	
	5257.50	-16.9	V	3.0	35.4	1.0	-51.4	-13.0	-38.4	
	7010.00	-16.8	V	3.0	35.7	1.0	-51.5	-13.0	-38.5	
	3505.00	-20.8	H	3.0	36.0	1.0	-55.8	-13.0	-42.8	
	5257.50	-16.3	H	3.0	35.4	1.0	-50.7	-13.0	-37.7	
7010.00	-14.7	H	3.0	35.7	1.0	-49.3	-13.0	-36.3		

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/4/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber G							
Mode:		LTE_QPSK Band 4 Harmonics, 5MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1712.5									
3425.00	-20.2	V	3.0	36.1	1.0	-55.3	-13.0	-42.3	
5137.50	-16.5	V	3.0	35.4	1.0	-51.0	-13.0	-38.0	
6850.00	-16.2	V	3.0	35.7	1.0	-50.9	-13.0	-37.9	
3425.00	-19.8	H	3.0	36.1	1.0	-54.9	-13.0	-41.9	
5137.50	-16.5	H	3.0	35.4	1.0	-51.0	-13.0	-38.0	
6850.00	-14.1	H	3.0	35.7	1.0	-48.8	-13.0	-35.8	
Mid Ch, 1732.5									
3465.00	-19.1	V	3.0	36.0	1.0	-54.2	-13.0	-41.2	
5197.50	-15.7	V	3.0	35.4	1.0	-50.1	-13.0	-37.1	
6930.00	-16.9	V	3.0	35.7	1.0	-51.6	-13.0	-38.6	
3465.00	-18.6	H	3.0	36.0	1.0	-53.6	-13.0	-40.6	
5197.50	-15.3	H	3.0	35.4	1.0	-49.8	-13.0	-36.8	
6930.00	-14.8	H	3.0	35.7	1.0	-49.4	-13.0	-36.4	
High Ch, 1752.5									
3505.00	-20.1	V	3.0	36.0	1.0	-55.1	-13.0	-42.1	
5257.50	-16.3	V	3.0	35.4	1.0	-50.8	-13.0	-37.8	
7010.00	-16.3	V	3.0	35.7	1.0	-50.9	-13.0	-37.9	
3505.00	-19.7	H	3.0	36.0	1.0	-54.7	-13.0	-41.7	
5257.50	-16.2	H	3.0	35.4	1.0	-50.6	-13.0	-37.6	
7010.00	-14.2	H	3.0	35.7	1.0	-48.8	-13.0	-35.8	

Compliance Certification Services									
Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/4/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber G							
Mode:		LTE_16QAM Band 4 Harmonics, 3MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1711.5									
3423.00	-21.2	V	3.0	36.1	1.0	-56.2	-13.0	-43.2	
5134.50	-17.1	V	3.0	35.4	1.0	-51.5	-13.0	-38.5	
6846.00	-16.0	V	3.0	35.7	1.0	-50.7	-13.0	-37.7	
3423.00	-20.4	H	3.0	36.1	1.0	-55.4	-13.0	-42.4	
5134.50	-14.0	H	3.0	35.4	1.0	-48.4	-13.0	-35.4	
6846.00	-14.6	H	3.0	35.7	1.0	-49.3	-13.0	-36.3	
Mid Ch, 1732.5									
3465.00	-19.0	V	3.0	36.0	1.0	-54.1	-13.0	-41.1	
5197.50	-16.6	V	3.0	35.4	1.0	-51.0	-13.0	-38.0	
6930.00	-16.1	V	3.0	35.7	1.0	-50.8	-13.0	-37.8	
3465.00	-23.2	H	3.0	36.0	1.0	-58.2	-13.0	-45.2	
5197.50	-15.7	H	3.0	35.4	1.0	-50.1	-13.0	-37.1	
6930.00	-14.6	H	3.0	35.7	1.0	-49.3	-13.0	-36.3	
High Ch, 1753.5									
3507.00	-20.9	V	3.0	36.0	1.0	-55.9	-13.0	-42.9	
5260.50	-16.6	V	3.0	35.4	1.0	-51.0	-13.0	-38.0	
7014.00	-16.0	V	3.0	35.7	1.0	-50.7	-13.0	-37.7	
3507.00	-21.2	H	3.0	36.0	1.0	-56.2	-13.0	-43.2	
5260.50	-16.1	H	3.0	35.4	1.0	-50.5	-13.0	-37.5	
7014.00	-13.6	H	3.0	35.7	1.0	-48.3	-13.0	-35.3	

Compliance Certification Services Above 1GHz High Frequency Substitution Measurements									
Company:		Sony							
Project #:		15U20107							
Date:		4/4/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber G							
Mode:		LTE_QPSK Band 4 Harmonics, 3MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1711.5									
3423.00	-20.3	V	3.0	36.1	1.0	-55.3	-13.0	-42.3	
5134.50	-16.5	V	3.0	35.4	1.0	-50.9	-13.0	-37.9	
6846.00	-15.7	V	3.0	35.7	1.0	-50.3	-13.0	-37.3	
3423.00	-20.1	H	3.0	36.1	1.0	-55.1	-13.0	-42.1	
5134.50	-14.1	H	3.0	35.4	1.0	-48.5	-13.0	-35.5	
6846.00	-14.4	H	3.0	35.7	1.0	-49.0	-13.0	-36.0	
Mid Ch, 1732.5									
3465.00	-18.3	V	3.0	36.0	1.0	-53.3	-13.0	-40.3	
5197.50	-15.8	V	3.0	35.4	1.0	-50.2	-13.0	-37.2	
6930.00	-15.6	V	3.0	35.7	1.0	-50.3	-13.0	-37.3	
3465.00	-22.7	H	3.0	36.0	1.0	-57.7	-13.0	-44.7	
5197.50	-15.0	H	3.0	35.4	1.0	-49.4	-13.0	-36.4	
6930.00	-13.6	H	3.0	35.7	1.0	-48.3	-13.0	-35.3	
High Ch, 1753.5									
3507.00	-20.0	V	3.0	36.0	1.0	-55.0	-13.0	-42.0	
5260.50	-16.4	V	3.0	35.4	1.0	-50.8	-13.0	-37.8	
7014.00	-15.6	V	3.0	35.7	1.0	-50.3	-13.0	-37.3	
3507.00	-20.5	H	3.0	36.0	1.0	-55.5	-13.0	-42.5	
5260.50	-15.7	H	3.0	35.4	1.0	-50.1	-13.0	-37.1	
7014.00	-14.0	H	3.0	35.7	1.0	-48.7	-13.0	-35.7	

Compliance Certification Services									
Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/4/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber G							
Mode:		LTE_ 16QAM Band 4 Harmonics, 1.4MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 1710.7									
3421.40	-19.5	V	3.0	36.1	1.0	-54.6	-13.0	-41.6	
5132.10	-17.1	V	3.0	35.4	1.0	-51.6	-13.0	-38.6	
6842.80	-16.1	V	3.0	35.7	1.0	-50.7	-13.0	-37.7	
3421.40	-21.5	H	3.0	36.1	1.0	-56.6	-13.0	-43.6	
5132.10	-17.3	H	3.0	35.4	1.0	-51.7	-13.0	-38.7	
6842.80	0.0	H	3.0	35.7	1.0	-34.7	-13.0	-21.7	
Mid Ch, 1732.5									
3465.00	-19.1	V	3.0	36.0	1.0	-54.1	-13.0	-41.1	
5197.50	-16.9	V	3.0	35.4	1.0	-51.3	-13.0	-38.3	
6930.00	-15.4	V	3.0	35.7	1.0	-50.0	-13.0	-37.0	
3465.00	-19.2	H	3.0	36.0	1.0	-54.2	-13.0	-41.2	
5197.50	-16.5	H	3.0	35.4	1.0	-50.9	-13.0	-37.9	
6930.00	-14.1	H	3.0	35.7	1.0	-48.8	-13.0	-35.8	
High Ch, 1754.3									
3508.60	-19.0	V	3.0	36.0	1.0	-54.0	-13.0	-41.0	
5262.90	-16.5	V	3.0	35.4	1.0	-51.0	-13.0	-38.0	
7017.20	-14.7	V	3.0	35.7	1.0	-49.4	-13.0	-36.4	
3508.60	-19.1	H	3.0	36.0	1.0	-54.1	-13.0	-41.1	
5262.90	-14.4	H	3.0	35.4	1.0	-48.8	-13.0	-35.8	
7017.20	-14.5	H	3.0	35.7	1.0	-49.2	-13.0	-36.2	

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/4/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber G							
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	-19.5	V	3.0	36.1	1.0	-54.5	-13.0	-41.5	
5132.10	-16.8	V	3.0	35.4	1.0	-51.2	-13.0	-38.2	
6842.80	-15.8	V	3.0	35.7	1.0	-50.4	-13.0	-37.4	
3421.40	-20.7	H	3.0	36.1	1.0	-55.8	-13.0	-42.8	
5132.10	-16.6	H	3.0	35.4	1.0	-51.0	-13.0	-38.0	
6842.80	-14.0	H	3.0	35.7	1.0	-48.7	-13.0	-35.7	
Mid Ch, 1732.5									
3465.00	-18.6	V	3.0	36.0	1.0	-53.6	-13.0	-40.6	
5197.50	-15.7	V	3.0	35.4	1.0	-50.2	-13.0	-37.2	
6930.00	-15.4	V	3.0	35.7	1.0	-50.1	-13.0	-37.1	
3465.00	-18.3	H	3.0	36.0	1.0	-53.4	-13.0	-40.4	
5197.50	-16.4	H	3.0	35.4	1.0	-50.8	-13.0	-37.8	
6930.00	-14.4	H	3.0	35.7	1.0	-49.1	-13.0	-36.1	
High Ch, 1754.3									
3508.60	-19.0	V	3.0	36.0	1.0	-54.0	-13.0	-41.0	
5262.90	-15.7	V	3.0	35.4	1.0	-50.2	-13.0	-37.2	
7017.20	-15.1	V	3.0	35.7	1.0	-49.8	-13.0	-36.8	
3508.60	-18.0	H	3.0	36.0	1.0	-53.0	-13.0	-40.0	
5262.90	-14.3	H	3.0	35.4	1.0	-48.7	-13.0	-35.7	
7017.20	-14.5	H	3.0	35.7	1.0	-49.2	-13.0	-36.2	

LTE Band 5

UL Verification Services Above 1GHz High Frequency Substitution Measurement										
Company: Project #: Date: Test Engineer: Configuration: Mode:		Sony 15U20107 04/08/15 Jude Semana EUT + Charger + Headset LTE5 16QAM 10MHz Harm								
		Chamber	Pre-amplifier	Filter	Limit					
		3m Chamber	T34 8449B	Filter 1	Part 22					
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE5 10MHz 16QAM	Low Ch, 829MHz									
	1.658	-25.8	V	3.0	37.4	1.0	-62.2	-13.0	-49.2	
	2.487	-21.8	V	3.0	36.4	1.0	-57.2	-13.0	-44.2	
	3.316	-21.0	V	3.0	35.8	1.0	-55.8	-13.0	-42.8	
	1.658	-26.7	H	3.0	37.4	1.0	-63.1	-13.0	-50.1	
	2.487	-22.9	H	3.0	36.4	1.0	-58.3	-13.0	-45.3	
	3.316	-21.5	H	3.0	35.8	1.0	-56.3	-13.0	-43.3	
	Mid Ch, 836.5MHz									
	1.673	-26.0	V	3.0	37.3	1.0	-62.4	-13.0	-49.4	
	2.510	-21.1	V	3.0	36.4	1.0	-56.4	-13.0	-43.4	
	3.346	-21.3	V	3.0	35.8	1.0	-56.1	-13.0	-43.1	
	1.673	-26.4	H	3.0	37.3	1.0	-62.7	-13.0	-49.7	
	2.510	-23.5	H	3.0	36.4	1.0	-58.9	-13.0	-45.9	
	3.346	-21.5	H	3.0	35.8	1.0	-56.3	-13.0	-43.3	
	High Ch, 844MHz									
	1.688	-25.2	V	3.0	37.3	1.0	-61.5	-13.0	-48.5	
	2.532	-21.6	V	3.0	36.3	1.0	-56.9	-13.0	-43.9	
	3.376	-20.3	V	3.0	35.7	1.0	-55.0	-13.0	-42.0	
1.688	-25.5	H	3.0	37.3	1.0	-61.8	-13.0	-48.8		
2.532	-22.9	H	3.0	36.3	1.0	-58.2	-13.0	-45.2		
3.376	-18.4	H	3.0	35.7	1.0	-53.1	-13.0	-40.1		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

UL Verification Services Above 1GHz High Frequency Substitution Measurement										
Company:		Sony								
Project #:		15U20107								
Date:		04/08/15								
Test Engineer:		Jude Semana								
Configuration:		EUT + Charger + Headset								
Mode:		LTE5 QPSK 10MHz Harm								
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber		T34 8449B		Filter 1		Part 22				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
10MHz	Low Ch, 829MHz									
	1.658	-25.4	V	3.0	37.4	1.0	-61.8	-13.0	-48.8	
	2.487	-24.2	V	3.0	36.4	1.0	-59.5	-13.0	-46.5	
	3.316	-19.5	V	3.0	35.8	1.0	-54.3	-13.0	-41.3	
	1.658	-26.0	H	3.0	37.4	1.0	-62.4	-13.0	-49.4	
	2.487	-24.3	H	3.0	36.4	1.0	-59.7	-13.0	-46.7	
	3.316	-19.0	H	3.0	35.8	1.0	-53.8	-13.0	-40.8	
	Mid Ch, 836.5MHz									
	1.673	-26.6	V	3.0	37.3	1.0	-63.0	-13.0	-50.0	
	2.510	-21.7	V	3.0	36.4	1.0	-57.1	-13.0	-44.1	
	3.346	-20.7	V	3.0	35.8	1.0	-55.5	-13.0	-42.5	
	QPSK	1.673	-26.1	H	3.0	37.3	1.0	-62.5	-13.0	-49.5
2.510		-23.4	H	3.0	36.4	1.0	-58.7	-13.0	-45.7	
3.346		-21.1	H	3.0	35.8	1.0	-55.8	-13.0	-42.8	
High Ch, 844MHz										
1.688		-25.6	V	3.0	37.3	1.0	-61.9	-13.0	-48.9	
2.532		-21.8	V	3.0	36.3	1.0	-57.1	-13.0	-44.1	
3.376		-21.2	V	3.0	35.7	1.0	-55.9	-13.0	-42.9	
1.688		-26.0	H	3.0	37.3	1.0	-62.4	-13.0	-49.4	
2.532		-22.8	H	3.0	36.3	1.0	-58.1	-13.0	-45.1	
3.376		-20.9	H	3.0	35.7	1.0	-55.6	-13.0	-42.6	
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

UL Verification Services Above 1GHz High Frequency Substitution Measurement										
Company:	Sony									
Project #:	15U20107									
Date:	04/08/15									
Test Engineer:	Jude Semana									
Configuration:	EUT + Charger + Headset									
Mode:	LTE5 16QAM 5MHz Harm									
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber		T34 8449B		Filter 1		Part 22				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE5 5MHz 16QAM	Low Ch, 826.5MHz									
	1.653	-26.2	V	3.0	37.4	1.0	-62.5	-13.0	-49.5	
	2.480	-20.3	V	3.0	36.4	1.0	-55.7	-13.0	-42.7	
	3.306	-21.3	V	3.0	35.8	1.0	-56.1	-13.0	-43.1	
	1.653	-26.4	H	3.0	37.4	1.0	-62.8	-13.0	-49.8	
	2.480	-22.4	H	3.0	36.4	1.0	-57.8	-13.0	-44.8	
	3.306	-21.9	H	3.0	35.8	1.0	-56.7	-13.0	-43.7	
	Mid Ch, 836.5MHz									
	1.673	-25.5	V	3.0	37.3	1.0	-61.8	-13.0	-48.8	
	2.510	-21.7	V	3.0	36.4	1.0	-57.0	-13.0	-44.0	
	3.346	-20.7	V	3.0	35.8	1.0	-55.5	-13.0	-42.5	
	1.673	-26.4	H	3.0	37.3	1.0	-62.7	-13.0	-49.7	
	2.510	-23.8	H	3.0	36.4	1.0	-59.2	-13.0	-46.2	
	3.346	-21.6	H	3.0	35.8	1.0	-56.3	-13.0	-43.3	
	High Ch, 846.5MHz									
	1.693	-25.3	V	3.0	37.3	1.0	-61.6	-13.0	-48.6	
	2.540	-21.6	V	3.0	36.3	1.0	-57.0	-13.0	-44.0	
	3.386	-20.0	V	3.0	35.7	1.0	-54.7	-13.0	-41.7	
1.693	-26.0	H	3.0	37.3	1.0	-62.3	-13.0	-49.3		
2.540	-22.3	H	3.0	36.3	1.0	-57.7	-13.0	-44.7		
3.386	-20.9	H	3.0	35.7	1.0	-55.6	-13.0	-42.6		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

UL Verification Services Above 1GHz High Frequency Substitution Measurement										
Company:	Sony									
Project #:	15U20107									
Date:	04/08/15									
Test Engineer:	Jude Semana									
Configuration:	EUT + Charger + Headset									
Mode:	LTE5 QPSK 5MHz Harm									
Chamber Pre-amplifier Filter Limit 3m Chamber T34 8449B Filter 1 Part 22										
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 826.5MHz									
LTE5	1.653	-26.1	V	3.0	37.4	1.0	-62.5	-13.0	-49.5	
	2.480	-20.5	V	3.0	36.4	1.0	-55.9	-13.0	-42.9	
5MHz	3.306	-20.7	V	3.0	35.8	1.0	-55.5	-13.0	-42.5	
	1.653	-26.1	H	3.0	37.4	1.0	-62.5	-13.0	-49.5	
QPSK	2.480	-22.7	H	3.0	36.4	1.0	-58.1	-13.0	-45.1	
	3.306	-20.9	H	3.0	35.8	1.0	-55.7	-13.0	-42.7	
	Mid Ch, 836.5MHz									
	1.673	-26.3	V	3.0	37.3	1.0	-62.7	-13.0	-49.7	
	2.510	-22.0	V	3.0	36.4	1.0	-57.3	-13.0	-44.3	
	3.346	-21.4	V	3.0	35.8	1.0	-56.1	-13.0	-43.1	
	1.673	-25.5	H	3.0	37.3	1.0	-61.9	-13.0	-48.9	
	2.510	-22.9	H	3.0	36.4	1.0	-58.2	-13.0	-45.2	
	3.346	-21.2	H	3.0	35.8	1.0	-56.0	-13.0	-43.0	
	High Ch, 846.5MHz									
	1.693	-25.6	V	3.0	37.3	1.0	-61.9	-13.0	-48.9	
	2.540	-21.3	V	3.0	36.3	1.0	-56.7	-13.0	-43.7	
	3.386	-20.9	V	3.0	35.7	1.0	-55.6	-13.0	-42.6	
	1.693	-25.5	H	3.0	37.3	1.0	-61.8	-13.0	-48.8	
	2.540	-23.1	H	3.0	36.3	1.0	-58.4	-13.0	-45.4	
	3.386	-20.8	H	3.0	35.7	1.0	-55.5	-13.0	-42.5	
Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.										

UL Verification Services Above 1GHz High Frequency Substitution Measurement										
Company:		Sony								
Project #:		15U20107								
Date:		04/08/15								
Test Engineer:		Jude Semana								
Configuration:		EUT + Charger + Headset								
Mode:		LTE5 16QAM 3MHz Harm								
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber		T34 8449B		Filter 1		Part 22				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE5 3MHz 16QAM	Low Ch, 825.5MHz									
	1.651	-27.3	V	3.0	37.4	1.0	-63.6	-13.0	-50.6	
	2.477	-22.5	V	3.0	36.4	1.0	-57.9	-13.0	-44.9	
	3.302	-19.2	V	3.0	35.8	1.0	-54.0	-13.0	-41.0	
	1.651	-25.5	H	3.0	37.4	1.0	-61.9	-13.0	-48.9	
	2.477	-24.0	H	3.0	36.4	1.0	-59.4	-13.0	-46.4	
	3.302	-18.6	H	3.0	35.8	1.0	-53.4	-13.0	-40.4	
	Mid Ch, 836.5MHz									
	1.673	-25.2	V	3.0	37.3	1.0	-61.6	-13.0	-48.6	
	2.510	-23.0	V	3.0	36.4	1.0	-58.3	-13.0	-45.3	
	3.346	-19.3	V	3.0	35.8	1.0	-54.0	-13.0	-41.0	
	1.673	-26.0	H	3.0	37.3	1.0	-62.3	-13.0	-49.3	
	2.510	-24.0	H	3.0	36.4	1.0	-59.4	-13.0	-46.4	
	3.346	-20.6	H	3.0	35.8	1.0	-55.3	-13.0	-42.3	
	High Ch, 847.5MHz									
	1.695	-25.7	V	3.0	37.3	1.0	-62.0	-13.0	-49.0	
	2.543	-22.2	V	3.0	36.3	1.0	-57.5	-13.0	-44.5	
	3.390	-20.6	V	3.0	35.7	1.0	-55.3	-13.0	-42.3	
1.695	-25.6	H	3.0	37.3	1.0	-61.9	-13.0	-48.9		
2.543	-23.7	H	3.0	36.3	1.0	-59.0	-13.0	-46.0		
3.390	-20.8	H	3.0	35.7	1.0	-55.5	-13.0	-42.5		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

UL Verification Services Above 1GHz High Frequency Substitution Measurement										
Company:		Sony								
Project #:		15U20107								
Date:		04/08/15								
Test Engineer:		Jude Semana								
Configuration:		EUT + Charger + Headset								
Mode:		LTE5 QPSK 3MHz Harm								
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber		T34 8449B		Filter1		Part 22				
Band	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
LTE5 3MHz QPSK	Low Ch, 825.5MHz									
	1.651	-26.7	V	3.0	37.4	1.0	-63.0	-13.0	-50.0	
	2.477	-22.5	V	3.0	36.4	1.0	-57.9	-13.0	-44.9	
	3.302	-18.8	V	3.0	35.8	1.0	-53.6	-13.0	-40.6	
	1.651	-26.8	H	3.0	37.4	1.0	-63.1	-13.0	-50.1	
	2.477	-24.2	H	3.0	36.4	1.0	-59.6	-13.0	-46.6	
	3.302	-19.2	H	3.0	35.8	1.0	-54.0	-13.0	-41.0	
	Mid Ch, 836.5MHz									
	1.673	-26.3	V	3.0	37.3	1.0	-62.6	-13.0	-49.6	
	2.510	-22.9	V	3.0	36.4	1.0	-58.3	-13.0	-45.3	
	3.346	-19.4	V	3.0	35.8	1.0	-54.1	-13.0	-41.1	
	1.673	-26.2	H	3.0	37.3	1.0	-62.6	-13.0	-49.6	
	2.510	-23.9	H	3.0	36.4	1.0	-59.3	-13.0	-46.3	
	3.346	-20.5	H	3.0	35.8	1.0	-55.2	-13.0	-42.2	
	High Ch, 847.5MHz									
	1.695	-25.2	V	3.0	37.3	1.0	-61.5	-13.0	-48.5	
	2.543	-21.8	V	3.0	36.3	1.0	-57.2	-13.0	-44.2	
	3.390	-20.9	V	3.0	35.7	1.0	-55.6	-13.0	-42.6	
1.695	-26.2	H	3.0	37.3	1.0	-62.5	-13.0	-49.5		
2.543	-23.4	H	3.0	36.3	1.0	-58.7	-13.0	-45.7		
3.390	-20.9	H	3.0	35.7	1.0	-55.6	-13.0	-42.6		
Rev. 03.03.09										
Note: No other emissions were detected above the system noise floor.										

UL Verification Services Chamber G Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		04/08/15							
Test Engineer:		Jude Semana							
Configuration:		EUT + Charger + Headset							
Mode:		LTE5 1.4MHz 16QAM HARM							
Chamber		Pre-amplifier		Filter		Limit			
3m Chamber		T34 8449B		Filter 1		Part 22			
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 824.7MHz									
1.649	-26.6	V	3.0	37.4	1.0	-63.0	-13.0	-50.0	
2.474	-21.1	V	3.0	36.4	1.0	-56.5	-13.0	-43.5	
3.299	-21.4	V	3.0	35.8	1.0	-56.2	-13.0	-43.2	
1.649	-26.5	H	3.0	37.4	1.0	-62.9	-13.0	-49.9	
2.474	-23.0	H	3.0	36.4	1.0	-58.4	-13.0	-45.4	
3.299	-22.0	H	3.0	35.8	1.0	-56.8	-13.0	-43.8	
Mid Ch, 836.5MHz									
1.673	-27.0	V	3.0	37.3	1.0	-63.3	-13.0	-50.3	
2.510	-23.6	V	3.0	36.4	1.0	-59.0	-13.0	-46.0	
3.346	-22.4	V	3.0	35.8	1.0	-57.2	-13.0	-44.2	
1.673	-27.9	H	3.0	37.3	1.0	-64.2	-13.0	-51.2	
2.510	-25.2	H	3.0	36.4	1.0	-60.5	-13.0	-47.5	
3.346	-22.6	H	3.0	35.8	1.0	-57.3	-13.0	-44.3	
High Ch, 848.3MHz									
1.697	-25.7	V	3.0	37.3	1.0	-62.0	-13.0	-49.0	
2.545	-22.8	V	3.0	36.3	1.0	-58.1	-13.0	-45.1	
3.393	-20.8	V	3.0	35.7	1.0	-55.5	-13.0	-42.5	
1.697	-26.2	H	3.0	37.3	1.0	-62.5	-13.0	-49.5	
2.545	-23.9	H	3.0	36.3	1.0	-59.2	-13.0	-46.2	
3.393	-21.0	H	3.0	35.7	1.0	-55.7	-13.0	-42.7	
Rev. 03.03.09									
Note: No other emissions were detected above the system noise floor.									

UL Verification Services Chamber G Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		04/08/15							
Test Engineer:		Jude Semana							
Configuration:		EUT + Charger + Headset							
Mode:		LTE5 1.4MHz QPSK HARM							
Chamber		Pre-amplifier		Filter		Limit			
3m Chamber		T34 8449B		Filter 1		Part 22			
f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 824.7MHz									
1.649	-26.8	V	3.0	37.4	1.0	-63.2	-13.0	-50.2	
2.474	-21.6	V	3.0	36.4	1.0	-57.0	-13.0	-44.0	
3.299	-22.3	V	3.0	35.8	1.0	-57.1	-13.0	-44.1	
1.649	-27.1	H	3.0	37.4	1.0	-63.5	-13.0	-50.5	
2.474	-23.8	H	3.0	36.4	1.0	-59.2	-13.0	-46.2	
3.299	-22.6	H	3.0	35.8	1.0	-57.4	-13.0	-44.4	
Mid Ch, 836.5MHz									
1.673	-27.0	V	3.0	37.3	1.0	-63.3	-13.0	-50.3	
2.510	-23.3	V	3.0	36.4	1.0	-58.6	-13.0	-45.6	
3.346	-22.8	V	3.0	35.8	1.0	-57.5	-13.0	-44.5	
1.673	-27.7	H	3.0	37.3	1.0	-64.0	-13.0	-51.0	
2.510	-25.0	H	3.0	36.4	1.0	-60.4	-13.0	-47.4	
3.346	-22.7	H	3.0	35.8	1.0	-57.5	-13.0	-44.5	
High Ch, 848.3MHz									
1.697	-25.7	V	3.0	37.3	1.0	-62.0	-13.0	-49.0	
2.545	-22.2	V	3.0	36.3	1.0	-57.6	-13.0	-44.6	
3.393	-20.2	V	3.0	35.7	1.0	-54.9	-13.0	-41.9	
1.697	-26.2	H	3.0	37.3	1.0	-62.5	-13.0	-49.5	
2.545	-23.8	H	3.0	36.3	1.0	-59.1	-13.0	-46.1	
3.393	-21.5	H	3.0	35.7	1.0	-56.2	-13.0	-43.2	
Rev. 03.03.09									
Note: No other emissions were detected above the system noise floor.									

LTE Band 7

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/6/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber C							
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	-16.8	V	3.0	35.5	1.0	-51.3	-25.0	-26.3	
7530.00	-15.4	V	3.0	35.7	1.0	-50.2	-25.0	-25.2	
10040.00	-12.9	V	3.0	36.0	1.0	-47.9	-25.0	-22.9	
5020.00	-17.6	H	3.0	35.5	1.0	-52.0	-25.0	-27.0	
7530.00	-14.2	H	3.0	35.7	1.0	-48.9	-25.0	-23.9	
10040.00	-12.4	H	3.0	36.0	1.0	-47.4	-25.0	-22.4	
Mid Ch, 2535									
5070.00	-17.0	V	3.0	35.4	1.0	-51.4	-25.0	-26.4	
7605.00	-14.0	V	3.0	35.8	1.0	-48.7	-25.0	-23.7	
10140.00	-12.9	V	3.0	36.0	1.0	-47.9	-25.0	-22.9	
5070.00	-17.4	H	3.0	35.4	1.0	-51.9	-25.0	-26.9	
7605.00	-13.7	H	3.0	35.8	1.0	-48.5	-25.0	-23.5	
10140.00	-11.9	H	3.0	36.0	1.0	-46.9	-25.0	-21.9	
High Ch, 2560									
5120.00	-17.1	V	3.0	35.4	1.0	-51.5	-25.0	-26.5	
7680.00	-14.1	V	3.0	35.8	1.0	-48.9	-25.0	-23.9	
10240.00	-11.7	V	3.0	35.9	1.0	-46.7	-25.0	-21.7	
5120.00	-17.1	H	3.0	35.4	1.0	-51.6	-25.0	-26.6	
7680.00	-14.0	H	3.0	35.8	1.0	-48.7	-25.0	-23.7	
10240.00	-12.7	H	3.0	35.9	1.0	-47.6	-25.0	-22.6	

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/6/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber C							
Mode:		LTE_QPSK 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	-16.8	V	3.0	35.5	1.0	-51.2	-25.0	-26.2	
7530.00	-14.8	V	3.0	35.7	1.0	-49.5	-25.0	-24.5	
10040.00	-13.4	V	3.0	36.0	1.0	-48.4	-25.0	-23.4	
5020.00	-18.0	H	3.0	35.5	1.0	-52.5	-25.0	-27.5	
7530.00	-14.2	H	3.0	35.7	1.0	-48.9	-25.0	-23.9	
10040.00	-12.1	H	3.0	36.0	1.0	-47.1	-25.0	-22.1	
Mid Ch, 2535									
5070.00	-16.5	V	3.0	35.4	1.0	-51.0	-25.0	-26.0	
7605.00	-14.2	V	3.0	35.8	1.0	-48.9	-25.0	-23.9	
10140.00	-13.0	V	3.0	36.0	1.0	-47.9	-25.0	-22.9	
5070.00	-17.8	H	3.0	35.4	1.0	-52.2	-25.0	-27.2	
7605.00	-14.0	H	3.0	35.8	1.0	-48.7	-25.0	-23.7	
10140.00	-12.1	H	3.0	36.0	1.0	-47.0	-25.0	-22.0	
High Ch, 2560									
5120.00	-16.3	V	3.0	35.4	1.0	-50.8	-25.0	-25.8	
7680.00	-14.7	V	3.0	35.8	1.0	-49.4	-25.0	-24.4	
10240.00	-11.9	V	3.0	35.9	1.0	-46.8	-25.0	-21.8	
5120.00	-17.7	H	3.0	35.4	1.0	-52.2	-25.0	-27.2	
7680.00	-13.5	H	3.0	35.8	1.0	-48.3	-25.0	-23.3	
10240.00	-12.1	H	3.0	35.9	1.0	-47.1	-25.0	-22.1	

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/6/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber C							
Mode:		LTE_16QAM Band 7 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2505									
5010.00	-18.0	V	3.0	35.5	1.0	-52.4	-25.0	-27.4	
7515.00	-15.4	V	3.0	35.7	1.0	-50.2	-25.0	-25.2	
10020.00	-13.1	V	3.0	36.0	1.0	-48.1	-25.0	-23.1	
5010.00	-18.3	H	3.0	35.5	1.0	-52.7	-25.0	-27.7	
7515.00	-14.1	H	3.0	35.7	1.0	-48.8	-25.0	-23.8	
10020.00	-12.3	H	3.0	36.0	1.0	-47.3	-25.0	-22.3	
Mid Ch, 2535									
5070.00	-17.2	V	3.0	35.4	1.0	-51.7	-25.0	-26.7	
7605.00	-16.4	V	3.0	35.8	1.0	-51.1	-25.0	-26.1	
10140.00	-12.9	V	3.0	36.0	1.0	-47.8	-25.0	-22.8	
5070.00	-17.4	H	3.0	35.4	1.0	-51.8	-25.0	-26.8	
7605.00	-14.2	H	3.0	35.8	1.0	-49.0	-25.0	-24.0	
10140.00	-12.0	H	3.0	36.0	1.0	-46.9	-25.0	-21.9	
High Ch, 2565									
5130.00	-17.4	V	3.0	35.4	1.0	-51.8	-25.0	-26.8	
7695.00	-15.5	V	3.0	35.8	1.0	-50.2	-25.0	-25.2	
10260.00	-13.6	V	3.0	35.9	1.0	-48.5	-25.0	-23.5	
5130.00	-17.4	H	3.0	35.4	1.0	-51.8	-25.0	-26.8	
7695.00	-14.0	H	3.0	35.8	1.0	-48.8	-25.0	-23.8	
10260.00	-12.5	H	3.0	35.9	1.0	-47.4	-25.0	-22.4	

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/6/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber C							
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	-18.0	V	3.0	35.5	1.0	-52.4	-25.0	-27.4	
7507.50	-15.9	V	3.0	35.7	1.0	-50.6	-25.0	-25.6	
10010.00	-13.4	V	3.0	36.0	1.0	-48.4	-25.0	-23.4	
5005.00	-18.3	H	3.0	35.5	1.0	-52.7	-25.0	-27.7	
7507.50	-13.2	H	3.0	35.7	1.0	-48.0	-25.0	-23.0	
10010.00	-12.0	H	3.0	36.0	1.0	-47.0	-25.0	-22.0	
Mid Ch, 2535									
5070.00	-18.5	V	3.0	35.4	1.0	-53.0	-25.0	-28.0	
7605.00	-15.1	V	3.0	35.8	1.0	-49.9	-25.0	-24.9	
10140.00	-12.9	V	3.0	36.0	1.0	-47.9	-25.0	-22.9	
5070.00	-17.4	H	3.0	35.4	1.0	-51.9	-25.0	-26.9	
7605.00	-14.0	H	3.0	35.8	1.0	-48.8	-25.0	-23.8	
10140.00	-12.4	H	3.0	36.0	1.0	-47.4	-25.0	-22.4	
High Ch, 2567.5									
5135.00	-18.1	V	3.0	35.4	1.0	-52.5	-25.0	-27.5	
7702.50	-15.6	V	3.0	35.8	1.0	-50.3	-25.0	-25.3	
10270.00	-12.8	V	3.0	35.9	1.0	-47.7	-25.0	-22.7	
5135.00	-17.9	H	3.0	35.4	1.0	-52.4	-25.0	-27.4	
7702.50	-14.4	H	3.0	35.8	1.0	-49.1	-25.0	-24.1	
10270.00	-12.3	H	3.0	35.9	1.0	-47.2	-25.0	-22.2	

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		4/6/2015							
Test Engineer:		K.Kedida							
Configuration:		EUT/AC Charger/ HS							
Location:		Chamber C							
Mode:		LTE_QPSK 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	-18.3	V	3.0	35.5	1.0	-52.8	-25.0	-27.8	
7507.50	-15.1	V	3.0	35.7	1.0	-49.8	-25.0	-24.8	
10010.00	-13.6	V	3.0	36.0	1.0	-48.6	-25.0	-23.6	
5005.00	-17.6	H	3.0	35.5	1.0	-52.1	-25.0	-27.1	
7507.50	-13.9	H	3.0	35.7	1.0	-48.6	-25.0	-23.6	
10010.00	-12.1	H	3.0	36.0	1.0	-47.1	-25.0	-22.1	
Mid Ch, 2535									
5070.00	-18.2	V	3.0	35.4	1.0	-52.6	-25.0	-27.6	
7605.00	-14.1	V	3.0	35.8	1.0	-48.9	-25.0	-23.9	
10140.00	-13.4	V	3.0	36.0	1.0	-48.3	-25.0	-23.3	
5070.00	-17.7	H	3.0	35.4	1.0	-52.1	-25.0	-27.1	
7605.00	-13.0	H	3.0	35.8	1.0	-47.7	-25.0	-22.7	
10140.00	-12.4	H	3.0	36.0	1.0	-47.4	-25.0	-22.4	
High Ch, 2567.5									
5135.00	-18.5	V	3.0	35.4	1.0	-52.9	-25.0	-27.9	
7702.50	-14.2	V	3.0	35.8	1.0	-49.0	-25.0	-24.0	
10270.00	-12.7	V	3.0	35.9	1.0	-47.6	-25.0	-22.6	
5135.00	-17.1	H	3.0	35.4	1.0	-51.5	-25.0	-26.5	
7702.50	-14.2	H	3.0	35.8	1.0	-48.9	-25.0	-23.9	
10270.00	-12.1	H	3.0	35.9	1.0	-47.0	-25.0	-22.0	

LTE Band 13

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		04/08/15							
Test Engineer:		Jude Semana							
Configuration:		EUT + Charger + Headset							
Location:		Chamber G							
Mode:		LTE_16QAM Band 13 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, 782									
Band LTE13 10MHz 16QAM	0.0	V	3.0	37.1	1.0	0.0	-13.0	0.0	
	0.0	V	3.0	36.5	1.0	0.0	-13.0	0.0	
	0.0	V	3.0	36.3	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	37.1	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	36.5	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	36.3	1.0	0.0	-13.0	0.0	
	Mid Ch, 782								
	1564.00	V	3.0	37.1	1.0	-64.0	-13.0	-51.0	
	2346.00	V	3.0	36.5	1.0	-55.9	-13.0	-42.9	
	3128.00	V	3.0	36.3	1.0	-55.7	-13.0	-42.7	
	1564.00	H	3.0	37.1	1.0	-62.2	-13.0	-49.2	
	2346.00	H	3.0	36.5	1.0	-59.9	-13.0	-46.9	
	3128.00	H	3.0	36.3	1.0	-54.9	-13.0	-41.9	
	High Ch, 782								
	0.0	V	3.0	37.1	1.0	0.0	-13.0	0.0	
	0.0	V	3.0	36.5	1.0	0.0	-13.0	0.0	
	0.0	V	3.0	36.3	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	37.1	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	36.5	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	36.3	1.0	0.0	-13.0	0.0	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company: Sony Project #: 15U20107 Date: 04/08/15 Test Engineer: Jude Semana Configuration: EUT + Charger + Headset Location: Chamber G Mode: LTE_QPSK Band 13 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, 782									
Band LTE13 10MHz QPSK	0.0	V	3.0	37.1	1.0	0.0	-13.0	0.0	
	0.0	V	3.0	36.5	1.0	0.0	-13.0	0.0	
	0.0	V	3.0	36.3	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	37.1	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	36.5	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	36.3	1.0	0.0	-13.0	0.0	
Mid Ch, 782									
	1564.00	-27.7	V	3.0	37.1	1.0	-63.8	-13.0	-50.8
	2346.00	-21.2	V	3.0	36.5	1.0	-56.7	-13.0	-43.7
	3128.00	-19.6	V	3.0	36.3	1.0	-54.9	-13.0	-41.9
	1564.00	-28.5	H	3.0	37.1	1.0	-64.6	-13.0	-51.6
	2346.00	-22.9	H	3.0	36.5	1.0	-58.4	-13.0	-45.4
	3128.00	-19.6	H	3.0	36.3	1.0	-54.9	-13.0	-41.9
High Ch, 782									
	0.0	V	3.0	37.1	1.0	0.0	-13.0	0.0	
	0.0	V	3.0	36.5	1.0	0.0	-13.0	0.0	
	0.0	V	3.0	36.3	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	37.1	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	36.5	1.0	0.0	-13.0	0.0	
	0.0	H	3.0	36.3	1.0	0.0	-13.0	0.0	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		04/08/15							
Test Engineer:		Jude Semana							
Configuration:		EUT + Charger + Headset							
Mode:		LTE13_5M_16QAM							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 779.5									
1559.00	-27.1	V	3.0	37.0	1.0	-63.1	-13.0	-50.1	
2338.50	-20.8	V	3.0	36.4	1.0	-56.2	-13.0	-43.2	
3118.00	-19.5	V	3.0	36.2	1.0	-54.7	-13.0	-41.7	
1559.00	-26.9	H	3.0	37.0	1.0	-62.9	-13.0	-49.9	
2338.50	-23.3	H	3.0	36.4	1.0	-58.7	-13.0	-45.7	
3118.00	-19.6	H	3.0	36.2	1.0	-54.7	-13.0	-41.7	
Mid Ch, 782									
1564.00	-26.1	V	3.0	37.0	1.0	-62.1	-13.0	-49.1	
2346.00	-20.6	V	3.0	36.4	1.0	-56.0	-13.0	-43.0	
3128.00	-19.4	V	3.0	36.1	1.0	-54.5	-13.0	-41.5	
1564.00	-26.8	H	3.0	37.0	1.0	-62.8	-13.0	-49.8	
2346.00	-22.3	H	3.0	36.4	1.0	-57.7	-13.0	-44.7	
3128.00	-19.2	H	3.0	36.1	1.0	-54.4	-13.0	-41.4	
High Ch, 784.5									
1569.00	-26.1	V	3.0	37.0	1.0	-62.1	-13.0	-49.1	
2353.50	-20.1	V	3.0	36.4	1.0	-55.5	-13.0	-42.5	
3138.00	-17.4	V	3.0	36.1	1.0	-52.5	-13.0	-39.5	
1569.00	-25.8	H	3.0	37.0	1.0	-61.8	-13.0	-48.8	
2353.50	-22.0	H	3.0	36.4	1.0	-57.4	-13.0	-44.4	
3138.00	-17.9	H	3.0	36.1	1.0	-53.0	-13.0	-40.0	

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Sony							
Project #:		15U20107							
Date:		04/08/15							
Test Engineer:		Jude Semana							
Configuration:		EUT + Charger + Headset							
Mode:		LTE13_5M_QPSK							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamplifier (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 779.5									
1559.00	-26.9	V	3.0	37.0	1.0	-62.9	-13.0	-49.9	
2338.50	-20.5	V	3.0	36.4	1.0	-56.0	-13.0	-43.0	
3118.00	-19.4	V	3.0	36.2	1.0	-54.6	-13.0	-41.6	
1559.00	-26.6	H	3.0	37.0	1.0	-62.6	-13.0	-49.6	
2338.50	-22.9	H	3.0	36.4	1.0	-58.3	-13.0	-45.3	
3118.00	-19.2	H	3.0	36.2	1.0	-54.3	-13.0	-41.3	
Mid Ch, 782									
1564.00	-24.4	V	3.0	37.0	1.0	-60.4	-13.0	-47.4	
2346.00	-21.7	V	3.0	36.4	1.0	-57.1	-13.0	-44.1	
3128.00	-17.9	V	3.0	36.1	1.0	-53.0	-13.0	-40.0	
1564.00	-24.2	H	3.0	37.0	1.0	-60.2	-13.0	-47.2	
2346.00	-23.7	H	3.0	36.4	1.0	-59.1	-13.0	-46.1	
3128.00	-17.5	H	3.0	36.1	1.0	-52.6	-13.0	-39.6	
High Ch, 784.5									
1569.00	-26.0	V	3.0	37.0	1.0	-62.0	-13.0	-49.0	
2353.50	-20.1	V	3.0	36.4	1.0	-55.5	-13.0	-42.5	
3138.00	-17.1	V	3.0	36.1	1.0	-52.2	-13.0	-39.2	
1569.00	-26.1	H	3.0	37.0	1.0	-62.1	-13.0	-49.1	
2353.50	-22.1	H	3.0	36.4	1.0	-57.5	-13.0	-44.5	
3138.00	-18.3	H	3.0	36.1	1.0	-53.4	-13.0	-40.4	