

### 8.4.2. CDMA

<b>ID:</b>	44410	<b>Date:</b>	3/7/18
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#### CDMA 1xRTT BC10

<b>Limit</b>		816.35	823.65	<b>Delta</b> (Hz)	<b>Frequency</b> <b>Stability</b> (ppm)	
<b>Condition</b>		F low @ -13dBm	F high @ -13dBm			
<b>Temperature</b>	<b>Voltage</b>	(MHz)	(MHz)			
Normal (20C)	Normal	816.5679	823.4405			
Extreme (50C)		816.5679	823.4405	-14.1	-0.02	
Extreme (40C)		816.5679	823.4405	-15.8	-0.02	
Extreme (30C)		816.5679	823.4405	-13.8	-0.02	
Extreme (10C)		816.5679	823.4405	-16.7	-0.02	
Extreme (0C)		816.5679	823.4405	-20.1	-0.02	
Extreme (-10C)		816.5679	823.4405	-22.9	-0.03	
Extreme (-20C)		816.5679	823.4405	-19.0	-0.02	
Extreme (-30C)		816.5679	823.4405	-17.7	-0.02	
	20C	15%	816.5679	823.4405	-13.3	-0.02
		-15%	816.5679	823.4405	29.4	0.04
		End Point	816.5679	823.4405	-14.4	-0.02

#### CDMA 1xRTT BC0

<b>Limit</b>		824	849	<b>Delta</b> (Hz)	<b>Frequency</b> <b>Stability</b> (ppm)	
<b>Condition</b>		F low @ -13dBm	F high @ -13dBm			
<b>Temperature</b>	<b>Voltage</b>	(MHz)	(MHz)			
Normal (20C)	Normal	824.0190	848.9954			
Extreme (50C)		824.0190	848.9954	-31.0	-0.04	
Extreme (40C)		824.0190	848.9954	-15.2	-0.02	
Extreme (30C)		824.0190	848.9954	-30.1	-0.04	
Extreme (10C)		824.0190	848.9954	-17.7	-0.02	
Extreme (0C)		824.0190	848.9954	-31.0	-0.04	
Extreme (-10C)		824.0190	848.9954	-16.6	-0.02	
Extreme (-20C)		824.0190	848.9954	-21.0	-0.03	
Extreme (-30C)		824.0190	848.9954	-18.9	-0.02	
	20C	15%	824.0190	848.9954	-18.8	-0.02
		-15%	824.0190	848.9954	27.4	0.03
		End Point	824.0190	848.9954	-19.3	-0.02

**CDMA 1xRTT BC1**

Limit		1850	1910	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm	F high @ -13dBm		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1850.5708	1909.4340		
Extreme (50C)		1850.5708	1909.4340	45.9	0.02
Extreme (40C)		1850.5707	1909.4339	-56.5	-0.03
Extreme (30C)		1850.5709	1909.4341	58.5	0.03
Extreme (10C)		1850.5709	1909.4341	81.2	0.04
Extreme (0C)		1850.5707	1909.4339	-58.5	-0.03
Extreme (-10C)		1850.5707	1909.4339	-50.6	-0.03
Extreme (-20C)		1850.5708	1909.4340	46.4	0.02
Extreme (-30C)		1850.5708	1909.4340	-40.4	-0.02
20C	15%	1850.5707	1909.4339	-112.2	-0.06
	-15%	1850.5707	1909.4339	-117.9	-0.06
	End Point	1850.5707	1909.4339	-117.4	-0.06

### 8.4.3. WCDMA

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#### WCDMA REL 99 BAND 2

Limit		1850	1910	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	1850.1941	1909.8116		
Extreme (50C)		1850.1940	1909.8115		-0.056
Extreme (40C)		1850.1941	1909.8117		0.036
Extreme (30C)		1850.1940	1909.8116		-0.049
Extreme (10C)		1850.1941	1909.8117		0.036
Extreme (0C)		1850.1941	1909.8117		0.028
Extreme (-10C)		1850.1941	1909.8117		0.029
Extreme (-20C)		1850.1941	1909.8117		0.040
Extreme (-30C)		1850.1940	1909.8116		-0.044
20C	15%	1850.1941	1909.8116	-18.2	-0.010
	-15%	1850.1940	1909.8116	-22.5	-0.012
	End Point	1850.1941	1909.8116	-16.6	-0.009

#### WCDMA REL 99 BAND 4

Limit		1710	1755	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	1710.1400	1754.8800		
Extreme (50C)		1710.1400	1754.8800		-0.016
Extreme (40C)		1710.1400	1754.8800		-0.015
Extreme (30C)		1710.1400	1754.8800		-0.019
Extreme (10C)		1710.1400	1754.8800		0.015
Extreme (0C)		1710.1400	1754.8800		0.014
Extreme (-10C)		1710.1400	1754.8800		0.023
Extreme (-20C)		1710.1400	1754.8800		-0.029
Extreme (-30C)		1710.1401	1754.8801		0.030
20C	15%	1710.1401	1754.8801	52.2	0.030
	-15%	1710.1401	1754.8801	50.1	0.029
	End Point	1710.1400	1754.8800	47.1	0.027

**WCDMA REL 99 BAND 5**

Limit		824	849	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	824.1300	848.8900		
Extreme (50C)		824.1300	848.8900	-9.0	-0.011
Extreme (40C)		824.1300	848.8900	-9.9	-0.012
Extreme (30C)		824.1300	848.8900	-9.3	-0.011
Extreme (10C)		824.1300	848.8900	-10.2	-0.012
Extreme (0C)		824.1300	848.8900	-16.1	-0.019
Extreme (-10C)		824.1300	848.8900	-10.3	-0.012
Extreme (-20C)		824.1301	848.8901	68.1	0.081
Extreme (-30C)		824.1300	848.8900	-11.1	-0.013
20C	15%	824.1300	848.8900	-12.6	-0.015
	-15%	824.1300	848.8900	-7.1	-0.008
	End Point	824.1300	848.8900	-7.5	-0.009

## 8.5. PEAK-TO-AVERAGE POWER RATIO

### LIMIT

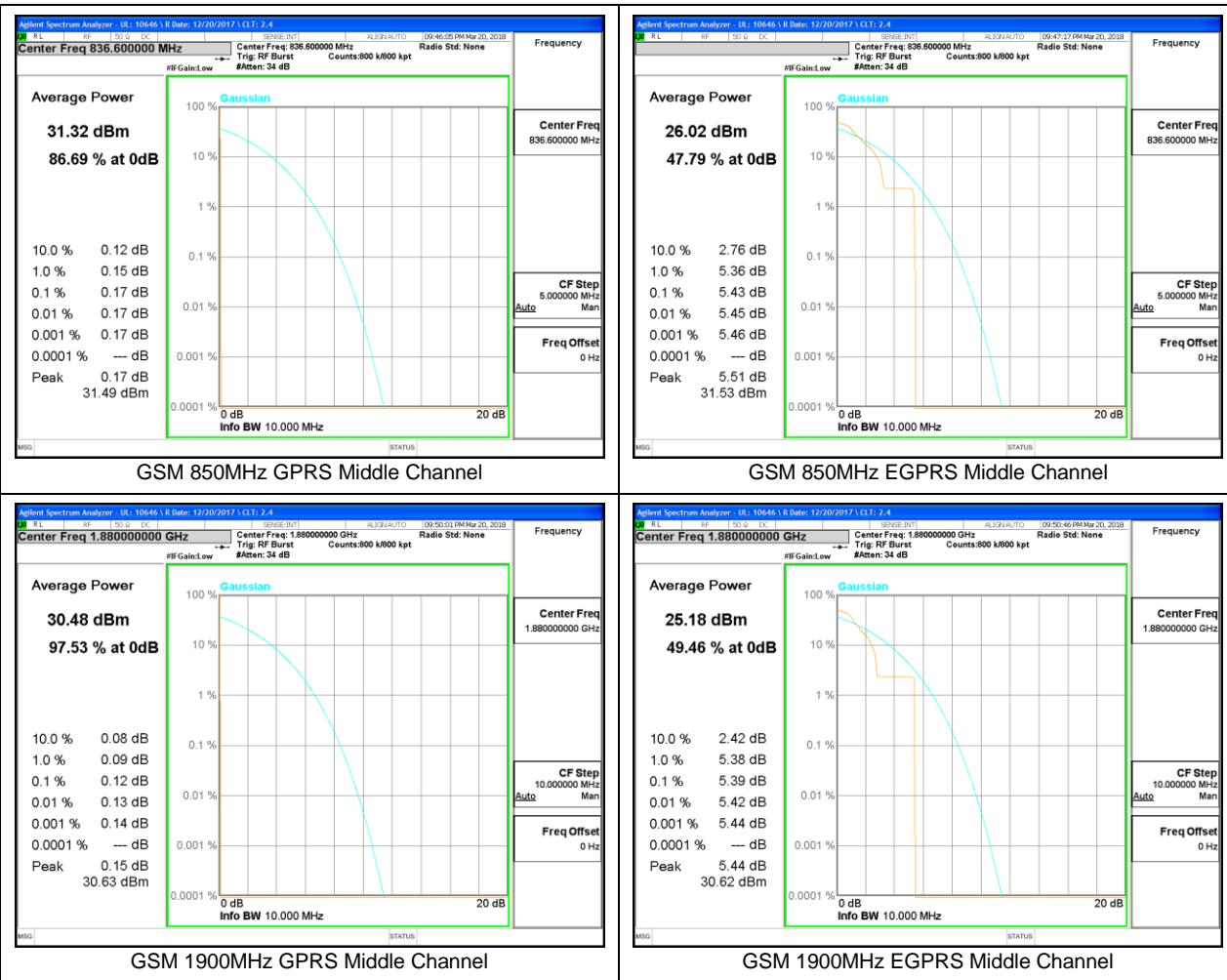
In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

### RESULT

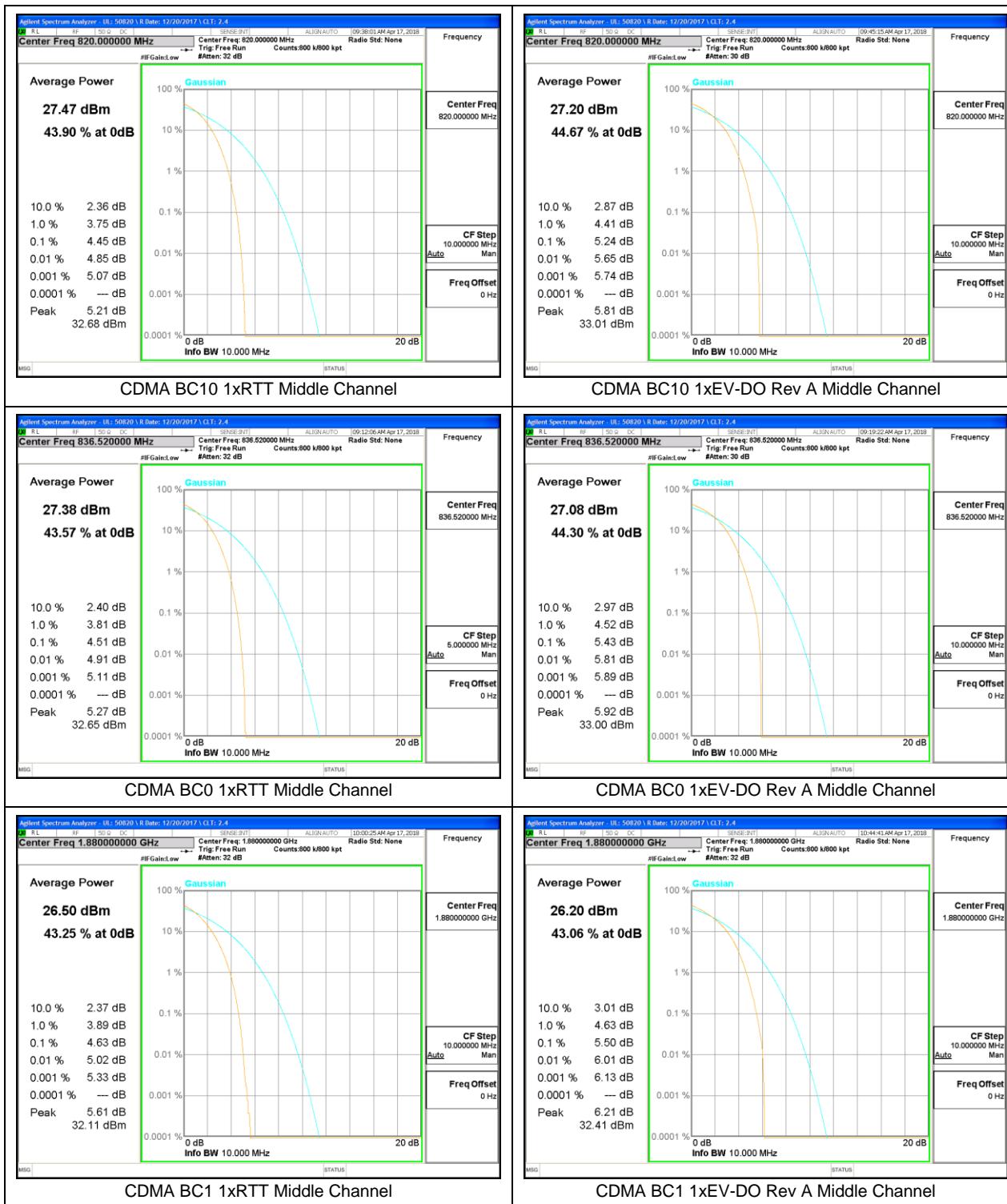
ANT1 antenna was used to measure as the worst case. The results from all CCDF plots are passed with 13dB peak-to-average power ratio criteria.

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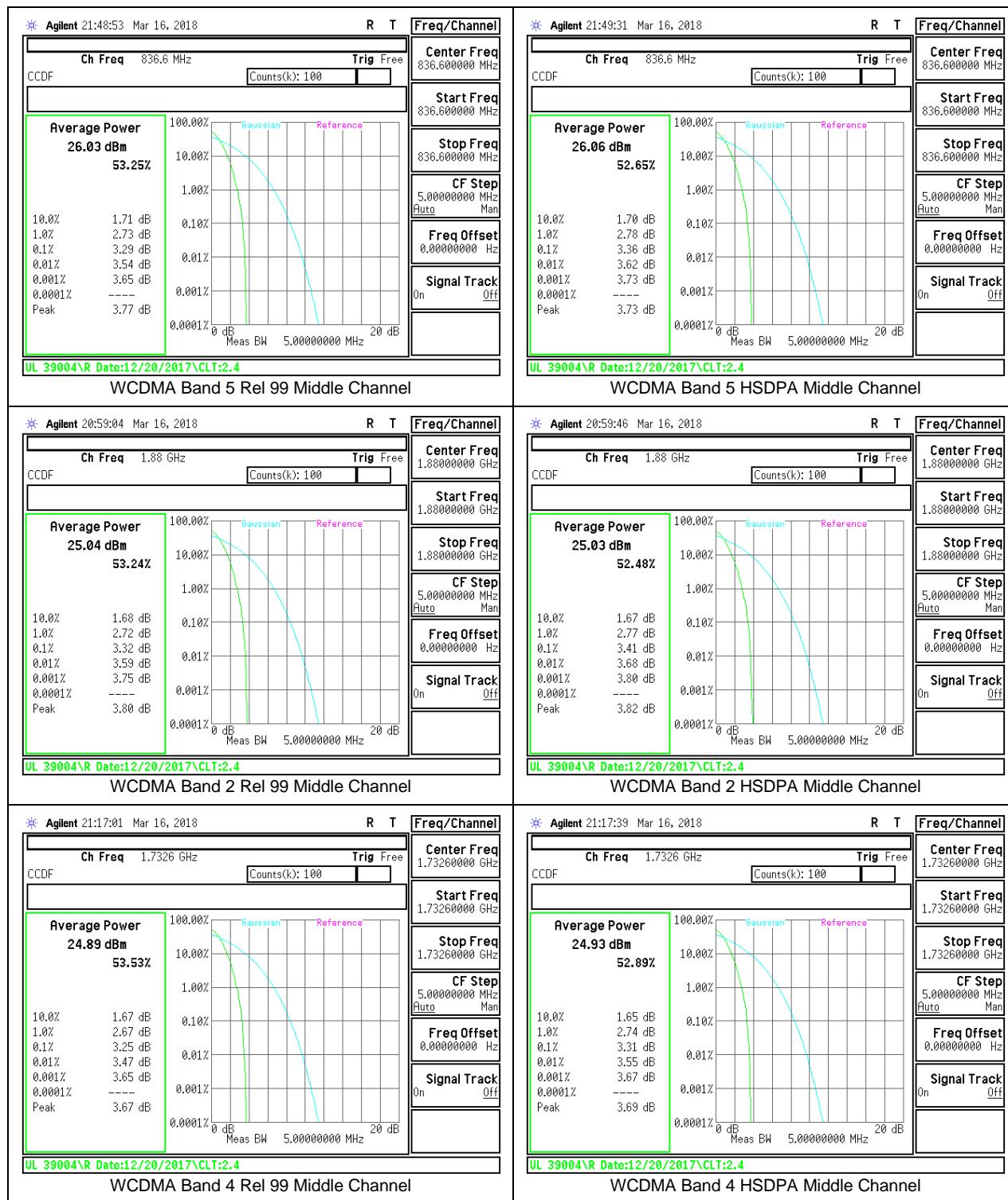
### 8.5.1. GSM



## 8.5.2. CDMA



### 8.5.3. WCDMA



## 9. RADIATED TEST RESULTS

### 9.1. FIELD STRENGTH OF SPURIOUS RADIATION (Ant 1)

#### RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27.53 and §90.691.  
IC: RSS132§5.5; RSS133§6.5 and RSS139§6.6

#### LIMIT

FCC: §22.917(a), §24.238(a), §27.53 (h), §90.691

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log_{10} P$  (dB).

RSS132§5.5

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

- (i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} p$  (watts).
- (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} p$  (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

RSS133§6.5

Equipment shall comply with the limits in (i) and (ii) below.

- (i) In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} p$  (watts).
- (ii) After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} p$  (watts). If the measurement is performed using 1% of the emission bandwidth, power integration over 1.0 MHz is required.

RSS139§6.6

- (i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's smallest operating frequency block, Footnote2 which can contain the equipment's occupied bandwidth, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least  $43 + 10 \log_{10} p$  (watts) dB.
- (ii) After the first 1.0 MHz outside the equipment's smallest operating frequency block, which can contain the equipment's occupied bandwidth, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in dBW) by at least  $43 + 10 \log_{10} p$  (watts) dB.

#### TEST PROCEDURE

KDB 971168 D01 Section 7

#### RESULTS

### 9.1.1. GSM

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(HV)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes	Low Channel (824.2MHz)												1.65	-65.7	H	3.0	-24.9	36.5	1.0	-60.4	-13.0	-47.4			2.47	-66.6	H	3.0	-20.9	35.2	1.0	-59.4	-13.0	-42.0			3.30	-66.2	H	3.0	-17.4	34.6	1.0	-51.0	-13.0	-38.0			3.30	-66.5	V	3.0	-24.5	34.6	1.0	-51.0	-13.0	-38.0			2.47	-67.0	V	3.0	-21.2	35.2	1.0	-55.4	-13.0	-42.4			3.30	-66.8	V	3.0	-17.3	34.6	1.0	-50.9	-13.0	-37.9			Mid Channel (836.8MHz)												1.65	-65.5	H	3.0	-21.5	36.5	1.0	-60.0	-13.0	-44.0			2.47	-66.5	H	3.0	-20.5	35.1	1.0	-55.1	-13.0	-41.1			3.35	-66.8	H	3.0	-17.8	34.6	1.0	-51.4	-13.0	-38.4			1.67	-66.8	V	3.0	-24.0	36.5	1.0	-69.5	-13.0	-46.5			2.47	-67.5	V	3.0	-21.4	35.1	1.0	-51.1	-13.0	-43.0			3.35	-67.1	V	3.0	-17.5	34.6	1.0	-51.1	-13.0	-38.1			High Channel (848.8MHz)												1.70	-66.5	H	3.0	-24.3	36.4	1.0	-59.7	-13.0	-46.7			2.45	-66.8	H	3.0	-20.7	35.1	1.0	-54.9	-13.0	-41.9			3.40	-67.0	H	3.0	-17.8	34.5	1.0	-51.3	-13.0	-38.1			1.70	-66.6	V	3.0	-23.6	36.4	1.0	-59.0	-13.0	-46.0			2.45	-66.8	V	3.0	-20.4	35.1	1.0	-54.6	-13.0	-41.6			3.40	-67.5	V	3.0	-17.8	34.5	1.0	-51.5	-13.0	-38.1			Rev. 03.19.15												GSM 850MHz GPRS												<table border="1"> <thead> <tr> <th>Chamber</th> <th>Pre-amplifier</th> <th>Filter</th> <th>Limit</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td>3m Chamber C</td> <td>3m Chamber C</td> <td>Filter</td> <td>EIRP</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </thead> <tbody> <tr> <td></td> </tr> </tbody> </table>												Chamber	Pre-amplifier	Filter	Limit									3m Chamber C	3m Chamber C	Filter	EIRP																					<table border="1"> <thead> <tr> <th>Frequency</th> <th>SA reading (dBm)</th> <th>Ant. 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<tr> <td>5.44</td><td>-69.8</td><td>V</td><td>3.0</td><td>-6.2</td><td>34.1</td><td>1.0</td><td>-38.3</td><td>-13.0</td><td>-28.3</td><td></td><td></td></tr> <tr> <td>7.52</td><td>-69.7</td><td>V</td><td>3.0</td><td>-13.4</td><td>33.5</td><td>1.0</td><td>-45.9</td><td>-13.0</td><td>-32.9</td><td></td><td></td></tr> <tr> <td colspan="12">High Channel (1909.0MHz)</td></tr> <tr> <td>3.82</td><td>-64.9</td><td>H</td><td>3.0</td><td>-14.7</td><td>34.4</td><td>1.0</td><td>-48.1</td><td>-13.0</td><td>-35.1</td><td></td><td></td></tr> <tr> <td>5.73</td><td>-65.7</td><td>H</td><td>3.0</td><td>-12.0</td><td>34.1</td><td>1.0</td><td>-45.1</td><td>-13.0</td><td>-32.1</td><td></td><td></td></tr> <tr> <td>7.54</td><td>-69.8</td><td>H</td><td>3.0</td><td>-13.3</td><td>33.5</td><td>1.0</td><td>-45.8</td><td>-13.0</td><td>-32.8</td><td></td><td></td></tr> <tr> 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Pol. (HV)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes	Low Channel (1950.0MHz)												3.70	-65.5	H	3.0	-15.7	34.4	1.0	-49.2	-13.0	-36.2			5.55	-66.7	H	3.0	-7.3	34.1	1.0	-40.4	-13.0	-27.4			7.40	-69.8	H	3.0	-13.5	33.6	1.0	-46.1	-13.0	-33.1			3.70	-66.5	V	3.0	-11.1	34.4	1.0	-49.1	-13.0	-33.6			5.55	-69.5	V	3.0	-6.9	34.1	1.0	-39.0	-13.0	-26.0			7.40	-70.2	V	3.0	-14.1	33.6	1.0	-46.7	-13.0	-33.7			Mid Channel (1980.0)												3.76	-65.7	H	3.0	-15.7	34.4	1.0	-49.1	-13.0	-36.1			5.44	-66.1	H	3.0	-11.1	34.1	1.0	-45.1	-13.0	-32.1			7.52	-69.5	H	3.0	-13.0	33.5	1.0	-45.5	-13.0	-32.5			3.76	-66.2	V	3.0	-16.1	34.4	1.0	-49.5	-13.0	-36.5			5.44	-69.8	V	3.0	-6.2	34.1	1.0	-38.3	-13.0	-28.3			7.52	-69.7	V	3.0	-13.4	33.5	1.0	-45.9	-13.0	-32.9			High Channel (1909.0MHz)												3.82	-64.9	H	3.0	-14.7	34.4	1.0	-48.1	-13.0	-35.1			5.73	-65.7	H	3.0	-12.0	34.1	1.0	-45.1	-13.0	-32.1			7.54	-69.8	H	3.0	-13.3	33.5	1.0	-45.8	-13.0	-32.8			3.82	-66.1	V	3.0	-11.4	34.4	1.0	-48.1	-13.0	-35.4			5.73	-66.0	V	3.0	-12.1	34.1	1.0	-45.2	-13.0	-32.2			7.54	-69.5	V	3.0	-13.2	33.5	1.0	-45.7	-13.0	-32.7			Mid Channel (1909.0MHz)												3.82	-66.3	H	3.0	-16.1	34.4	1.0	-48.5	-13.0	-36.5			5.73	-68.3	H	3.0	-14.6	34.1	1.0	-47.7	-13.0	-34.7			7.54	-69.3	H	3.0	-12.9	33.5	1.0	-45.2	-13.0	-32.3			3.82	-66.3	V	3.0	-16.0	34.4	1.0	-48.4	-13.0	-36.4			5.73	-68.3	V	3.0	-14.4	34.1	1.0	-47.5	-13.0	-34.5			7.54	-69.3	V	3.0	-13.0	33.5	1.0	-45.5	-13.0	-32.5			High Channel (1909.0MHz)												3.82	-66.3	H	3.0	-16.1	34.4	1.0	-48.5	-13.0	-36.5			5.73	-68.3	H	3.0	-14.6	34.1	1.0	-47.7	-13.0	-34.7			7.54	-69.3	H	3.0	-12.9	33.5	1.0	-45.2	-13.0	-32.3			3.82	-66.3	V	3.0	-16.0	34.4	1.0	-48.4	-13.0	-36.4			5.73	-68.3	V	3.0	-14.4	34.1	1.0	-47.5	-13.0	-34.5			7.54	-69.3	V	3.0	-13.0	33.5	1.0	-45.5	-13.0	-32.5			Rev. 03.19.15												GSM 1900MHz EGPRS											
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(HV)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes	Low Channel (824.2MHz)												1.65	-65.7	H	3.0	-24.9	36.5	1.0	-60.4	-13.0	-47.4			2.47	-66.6	H	3.0	-20.9	35.2	1.0	-59.4	-13.0	-42.0			3.30	-66.2	H	3.0	-17.4	34.6	1.0	-51.0	-13.0	-38.0			1.65	-66.5	V	3.0	-24.5	34.6	1.0	-51.0	-13.0	-38.0			2.47	-67.0	V	3.0	-21.2	35.2	1.0	-55.4	-13.0	-42.4			3.30	-66.8	V	3.0	-17.3	34.6	1.0	-50.9	-13.0	-37.9			Mid Channel (836.8MHz)												1.65	-65.5	H	3.0	-21.5	36.5	1.0	-60.0	-13.0	-44.0			2.47	-66.5	H	3.0	-20.5	35.1	1.0	-55.1	-13.0	-41.1			3.35	-66.8	H	3.0	-17.8	34.6	1.0	-51.4	-13.0	-38.4			1.67	-66.8	V	3.0	-24.0	36.5	1.0	-69.5	-13.0	-46.5			2.47	-67.5	V	3.0	-21.4	35.1	1.0	-51.1	-13.0	-38.1			3.35	-67.1	V	3.0	-17.5	34.6	1.0	-51.1	-13.0	-38.1			High Channel (848.8MHz)												1.70	-66.5	H	3.0	-24.3	36.4	1.0	-59.7	-13.0	-46.7			2.45	-66.8	H	3.0	-20.7	35.1	1.0	-54.9	-13.0	-41.9			3.40	-67.0	H	3.0	-17.8	34.5	1.0	-51.3	-13.0	-38.1			1.70	-66.6	V	3.0	-23.6	36.4	1.0	-59.0	-13.0	-46.0			2.45	-66.8	V	3.0	-20.4	35.1	1.0	-54.6	-13.0	-41.6			3.40	-67.5	V	3.0	-17.8	34.5	1.0	-51.5	-13.0	-38.1			Rev. 03.19.15												GSM 850MHz EGPRS												<table border="1"> <thead> <tr> <th>Chamber</th> <th>Pre-amplifier</th> <th>Filter</th> <th>Limit</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td>3m Chamber F</td> <td>3m Chamber F</td> <td>Filter</td> <td>EIRP</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </thead> <tbody> <tr> <td></td> </tr> </tbody> </table>												Chamber	Pre-amplifier	Filter	Limit									3m Chamber F	3m Chamber F	Filter	EIRP																					<table border="1"> <thead> <tr> <th>Frequency</th> <th>SA reading (dBm)</th> <th>Ant. 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(HV)</th> <th>Distance</th> <th>EIRP @ TX Ant End (dBm)</th> <th>Preamp</th> <th>Attenuator</th> <th>EIRP</th> <th>Limit</th> <th>Delta</th> <th></th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td colspan="12">Low Channel (1950.0MHz)</td></tr> <tr> <td>3.70</td><td>-65.5</td><td>H</td><td>3.0</td><td>-15.7</td><td>34.4</td><td>1.0</td><td>-49.2</td><td>-13.0</td><td>-36.2</td><td></td><td></td></tr> <tr> <td>5.55</td><td>-66.7</td><td>H</td><td>3.0</td><td>-7.3</td><td>34.1</td><td>1.0</td><td>-40.4</td><td>-13.0</td><td>-27.4</td><td></td><td></td></tr> <tr> <td>7.40</td><td>-69.8</td><td>H</td><td>3.0</td><td>-13.5</td><td>33.6</td><td>1.0</td><td>-46.1</td><td>-13.0</td><td>-33.1</td><td></td><td></td></tr> <tr> <td>3.70</td><td>-66.5</td><td>V</td><td>3.0</td><td>-11.1</td><td>34.4</td><td>1.0</td><td>-49.1</td><td>-13.0</td><td>-33.6</td><td></td><td></td></tr> <tr> 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Pol. (HV)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes	Low Channel (1950.0MHz)												3.70	-65.5	H	3.0	-15.7	34.4	1.0	-49.2	-13.0	-36.2			5.55	-66.7	H	3.0	-7.3	34.1	1.0	-40.4	-13.0	-27.4			7.40	-69.8	H	3.0	-13.5	33.6	1.0	-46.1	-13.0	-33.1			3.70	-66.5	V	3.0	-11.1	34.4	1.0	-49.1	-13.0	-33.6			5.55	-69.5	V	3.0	-6.9	34.1	1.0	-39.0	-13.0	-26.0			7.40	-70.2	V	3.0	-14.1	33.6	1.0	-46.7	-13.0	-33.7			Mid Channel (1980.0)												3.76	-65.7	H	3.0	-15.7	34.4	1.0	-49.1	-13.0	-36.1			5.44	-66.1	H	3.0	-11.1	34.1	1.0	-45.1	-13.0	-32.1			7.52	-69.5	H	3.0	-13.0	33.5	1.0	-45.5	-13.0	-32.5			3.76	-66.2	V	3.0	-16.1	34.4	1.0	-49.5	-13.0	-36.5			5.44	-69.8	V	3.0	-6.2	34.1	1.0	-38.3	-13.0	-28.3			7.52	-69.7	V	3.0	-13.4	33.5	1.0	-45.9	-13.0	-32.9			High Channel (1909.0MHz)												3.82	-64.9	H	3.0	-14.7	34.4	1.0	-48.1	-13.0	-35.1			5.73	-65.7	H	3.0	-12.0	34.1	1.0	-45.1	-13.0	-32.1			7.54	-69.8	H	3.0	-13.3	33.5	1.0	-45.8	-13.0	-32.8			3.82	-66.1	V	3.0	-11.4	34.4	1.0	-48.1	-13.0	-35.4			5.73	-66.0	V	3.0	-12.1	34.1	1.0	-45.2	-13.0	-32.2			7.54	-69.5	V	3.0	-13.2	33.5	1.0	-45.7	-13.0	-32.7			Mid Channel (1909.0MHz)												3.82	-66.3	H	3.0	-16.1	34.4	1.0	-48.5	-13.0	-36.5			5.73	-68.3	H	3.0	-14.6	34.1	1.0	-47.7	-13.0	-34.7			7.54	-69.3	H	3.0	-12.9	33.5	1.0	-45.2	-13.0	-32.3			3.82	-66.3	V	3.0	-16.0	34.4	1.0	-48.4	-13.0	-36.4			5.73	-68.3	V	3.0	-14.4	34.1	1.0	-47.5	-13.0	-34.5			7.54	-69.3	V	3.0	-13.0	33.5	1.0	-45.5	-13.0	-32.5			High Channel (1909.0MHz)												3.82	-66.3	H	3.0	-16.1	34.4	1.0	-48.5	-13.0	-36.5			5.73	-68.3	H	3.0	-14.6	34.1	1.0	-47.7	-13.0	-34.7			7.54	-69.3	H	3.0	-12.9	33.5	1.0	-45.2	-13.0	-32.3			3.82	-66.3	V	3.0	-16.0	34.4	1.0	-48.4	-13.0	-36.4			5.73	-68.3	V	3.0	-14.4	34.1	1.0	-47.5	-13.0	-34.5			7.54	-69.3	V	3.0	-13.0	33.5	1.0	-45.5	-13.0	-32.5			Rev. 03.19.15												GSM 1900MHz EGPRS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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(H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes	Low Channel (824.75MHz)											1.65	-62.8	H	3.0	-20.3	37.8	1.0	-57.2	-13.0	-44.2		2.47	-61.0	H	3.0	-16.0	38.5	1.0	-53.5	-13.0	-46.5		3.30	-65.6	H	3.0	-16.7	38.5	1.0	-54.1	-13.0	-41.1		1.65	-56.1	V	3.0	-17.1	37.8	1.0	-51.5	-13.0	-39.5		2.47	-61.4	V	3.0	-16.3	38.5	1.0	-53.7	-13.0	-40.7		3.30	-66.0	V	3.0	-17.3	38.5	1.0	-54.8	-13.0	-41.8		Mid Channel (826.5MHz)											1.67	-58.0	H	3.0	-15.5	37.8	1.0	-52.3	-13.0	-39.3		2.47	-61.0	H	3.0	-16.0	38.5	1.0	-57.2	-13.0	-44.2		3.35	-65.6	H	3.0	-14.5	38.5	1.0	-54.0	-13.0	-45.0		1.67	-57.2	V	3.0	-14.9	37.8	1.0	-61.8	-13.0	-38.8		2.51	-64.5	V	3.0	-19.1	38.6	1.0	-56.7	-13.0	-43.7		3.35	-65.6	V	3.0	-16.8	38.5	1.0	-54.3	-13.0	-41.3		High Channel (848.31MHz)											1.70	-54.5	H	3.0	-10.0	37.8	1.0	-48.8	-13.0	-35.8		2.44	-61.1	H	3.0	-20.7	38.5	1.0	-58.3	-13.0	-43.3		3.39	-66.9	H	3.0	-17.7	38.5	1.0	-55.2	-13.0	-42.2		1.70	-53.8	V	3.0	-11.4	37.9	1.0	-48.3	-13.0	-35.3		2.54	-65.4	V	3.0	-19.8	38.6	1.0	-57.4	-13.0	-44.4		3.39	-65.8	V	3.0	-16.9	38.5	1.0	-54.4	-13.0	-41.4		Rev. 03.19.15										CDMA BC0 1xRTT										High Frequency Substitution Measurement UL Fremont Radiated Chamber										Company: Project #: Date: 03/15/18 Test Engineer: 10641 Configuration: EUT Only Mode: 1xRTT 1900MHz										Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable										<table border="1"> <thead> <tr> <th>Chamber</th><th>Pre-amplifier</th><th>Filter</th><th>Limit</th><th></th></tr> <tr> <td>3m Chamber E</td><td>3m Chamber E</td><td>Filter</td><td>EIRP</td><td></td></tr> </thead> <tbody> <tr> <td>3m Chamber E</td><td>3m Chamber E</td><td>Filter</td><td>EIRP</td><td></td></tr> </tbody> </table>										Chamber	Pre-amplifier	Filter	Limit		3m Chamber E	3m Chamber E	Filter	EIRP		3m Chamber E	3m Chamber E	Filter	EIRP		<table border="1"> <thead> <tr> <th>Frequency (GHz)</th><th>SA reading (dBm)</th><th>Ant. 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(H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes	Low Channel (1851.25MHz)											3.70	-62.6	H	3.0	-12.7	38.6	1.0	-50.3	-13.0	-37.3		5.45	-63.3	H	3.0	-9.1	38.6	1.0	-48.8	-13.0	-33.9		7.41	-65.1	H	3.0	-7.4	37.8	1.0	-44.2	-13.0	-32.2		3.70	-63.2	V	3.0	-13.3	38.6	1.0	-50.9	-13.0	-37.9		5.45	-65.1	V	3.0	-11.3	38.6	1.0	-48.9	-13.0	-35.9		7.41	-67.5	V	3.0	-10.1	37.8	1.0	-48.9	-13.0	-33.9		Mid Channel (1880MHz)											3.70	-61.6	H	3.0	-11.5	38.6	1.0	-49.1	-13.0	-36.1		5.44	-64.3	H	3.0	-10.1	38.5	1.0	-47.6	-13.0	-34.6		7.52	-65.9	H	3.0	-8.2	37.7	1.0	-44.9	-13.0	-31.9		3.70	-61.8	V	3.0	-14.5	38.6	1.0	-48.1	-13.0	-34.2		5.44	-64.4	V	3.0	-10.4	38.5	1.0	-48.0	-13.0	-35.0		7.52	-67.1	V	3.0	-9.5	37.7	1.0	-46.2	-13.0	-33.2		High Channel (1908.75MHz)											3.82	-61.0	H	3.0	-10.7	38.7	1.0	-48.4	-13.0	-35.4		5.63	-64.4	H	3.0	-8.2	38.7	1.0	-47.1	-13.0	-34.1		7.65	-66.2	H	3.0	-5.2	37.7	1.0	-44.9	-13.0	-31.9		3.82	-61.9	V	3.0	-11.7	38.7	1.0	-49.4	-13.0	-36.4		5.73	-64.7	V	3.0	-10.6	38.5	1.0	-48.1	-13.0	-35.1		7.64	-65.8	V	3.0	-8.0	37.7	1.0	-44.7	-13.0	-31.7		Rev. 03.19.15										CDMA BC1 1xRTT										High Frequency Substitution Measurement UL Fremont Radiated Chamber										Company: Project #: Date: 03/15/18 Test Engineer: 10641 Configuration: EUT only Mode: Rev O/A 1900MHz										Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable										<table border="1"> <thead> <tr> <th>Chamber</th><th>Pre-amplifier</th><th>Filter</th><th>Limit</th><th></th></tr> <tr> <td>3m Chamber E</td><td>3m Chamber E</td><td>Filter</td><td>EIRP</td><td></td></tr> </thead> <tbody> <tr> <td>3m Chamber E</td><td>3m Chamber E</td><td>Filter</td><td>EIRP</td><td></td></tr> </tbody> </table>										Chamber	Pre-amplifier	Filter	Limit		3m Chamber E	3m Chamber E	Filter	EIRP		3m Chamber E	3m Chamber E	Filter	EIRP		<table border="1"> <thead> <tr> <th>Frequency (GHz)</th><th>SA reading (dBm)</th><th>Ant. 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(H/V)</th><th>Distance</th><th>EIRP @ TX Ant End (dBm)</th><th>Preamp</th><th>Attenuator</th><th>EIRP</th><th>Limit</th><th>Delta</th><th>Notes</th></tr> </thead> <tbody> <tr> <td>Low Channel (1851.25MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.70</td><td>-61.8</td><td>H</td><td>3.0</td><td>-11.8</td><td>38.6</td><td>1.0</td><td>-49.5</td><td>-13.0</td><td>-36.5</td><td></td></tr> <tr> <td>5.55</td><td>-64.3</td><td>H</td><td>3.0</td><td>-9.2</td><td>38.5</td><td>1.0</td><td>-47.3</td><td>-13.0</td><td>-33.3</td><td></td></tr> <tr> <td>7.41</td><td>-65.7</td><td>H</td><td>3.0</td><td>-6.0</td><td>37.8</td><td>1.0</td><td>-44.8</td><td>-13.0</td><td>-31.8</td><td></td></tr> <tr> <td>3.70</td><td>-62.2</td><td>V</td><td>3.0</td><td>-12.3</td><td>38.6</td><td>1.0</td><td>-49.9</td><td>-13.0</td><td>-36.9</td><td></td></tr> <tr> <td>5.55</td><td>-65.9</td><td>V</td><td>3.0</td><td>-10.2</td><td>38.5</td><td>1.0</td><td>-47.9</td><td>-13.0</td><td>-34.9</td><td></td></tr> <tr> <td>7.41</td><td>-66.3</td><td>V</td><td>3.0</td><td>-8.9</td><td>37.8</td><td>1.0</td><td>-45.7</td><td>-13.0</td><td>-32.7</td><td></td></tr> <tr> <td>Mid Channel (1880MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.76</td><td>-62.7</td><td>H</td><td>3.0</td><td>-12.6</td><td>38.6</td><td>1.0</td><td>-50.2</td><td>-13.0</td><td>-37.2</td><td></td></tr> <tr> <td>5.64</td><td>-64.8</td><td>H</td><td>3.0</td><td>-10.5</td><td>38.5</td><td>1.0</td><td>-48.1</td><td>-13.0</td><td>-35.1</td><td></td></tr> <tr> <td>7.52</td><td>-66.2</td><td>H</td><td>3.0</td><td>-7.4</td><td>37.7</td><td>1.0</td><td>-45.4</td><td>-13.0</td><td>-32.2</td><td></td></tr> <tr> <td>3.76</td><td>-62.3</td><td>V</td><td>3.0</td><td>-12.7</td><td>38.6</td><td>1.0</td><td>-49.8</td><td>-13.0</td><td>-36.8</td><td></td></tr> <tr> <td>5.64</td><td>-63.7</td><td>V</td><td>3.0</td><td>-10.8</td><td>38.5</td><td>1.0</td><td>-47.3</td><td>-13.0</td><td>-34.3</td><td></td></tr> <tr> <td>7.52</td><td>-66.4</td><td>V</td><td>3.0</td><td>-8.6</td><td>37.7</td><td>1.0</td><td>-45.5</td><td>-13.0</td><td>-32.5</td><td></td></tr> <tr> <td>High Channel (1908.75MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.78</td><td>-62.4</td><td>H</td><td>3.0</td><td>-12.1</td><td>38.7</td><td>1.0</td><td>-49.8</td><td>-13.0</td><td>-36.8</td><td></td></tr> <tr> <td>5.72</td><td>-64.5</td><td>H</td><td>3.0</td><td>-10.1</td><td>38.5</td><td>1.0</td><td>-47.6</td><td>-13.0</td><td>-34.6</td><td></td></tr> <tr> <td>7.54</td><td>-66.2</td><td>H</td><td>3.0</td><td>-7.0</td><td>37.7</td><td>1.0</td><td>-44.9</td><td>-13.0</td><td>-32.7</td><td></td></tr> <tr> <td>3.78</td><td>-61.8</td><td>V</td><td>3.0</td><td>-11.6</td><td>38.7</td><td>1.0</td><td>-49.2</td><td>-13.0</td><td>-36.2</td><td></td></tr> <tr> <td>5.73</td><td>-64.3</td><td>V</td><td>3.0</td><td>-10.2</td><td>38.5</td><td>1.0</td><td>-47.7</td><td>-13.0</td><td>-34.7</td><td></td></tr> <tr> <td>7.64</td><td>-65.8</td><td>V</td><td>3.0</td><td>-8.0</td><td>37.7</td><td>1.0</td><td>-44.7</td><td>-13.0</td><td>-31.7</td><td></td></tr> <tr> <td colspan="10">Rev. 03.19.15</td></tr> <tr> <td colspan="10">CDMA BC1 1xEV-DO Rev A</td></tr> <tr> <td>High Frequency Substitution Measurement UL Fremont Radiated Chamber&lt;/td</td></tr></tbody></table>	Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes	Low Channel (1851.25MHz)											3.70	-61.8	H	3.0	-11.8	38.6	1.0	-49.5	-13.0	-36.5		5.55	-64.3	H	3.0	-9.2	38.5	1.0	-47.3	-13.0	-33.3		7.41	-65.7	H	3.0	-6.0	37.8	1.0	-44.8	-13.0	-31.8		3.70	-62.2	V	3.0	-12.3	38.6	1.0	-49.9	-13.0	-36.9		5.55	-65.9	V	3.0	-10.2	38.5	1.0	-47.9	-13.0	-34.9		7.41	-66.3	V	3.0	-8.9	37.8	1.0	-45.7	-13.0	-32.7		Mid Channel (1880MHz)											3.76	-62.7	H	3.0	-12.6	38.6	1.0	-50.2	-13.0	-37.2		5.64	-64.8	H	3.0	-10.5	38.5	1.0	-48.1	-13.0	-35.1		7.52	-66.2	H	3.0	-7.4	37.7	1.0	-45.4	-13.0	-32.2		3.76	-62.3	V	3.0	-12.7	38.6	1.0	-49.8	-13.0	-36.8		5.64	-63.7	V	3.0	-10.8	38.5	1.0	-47.3	-13.0	-34.3		7.52	-66.4	V	3.0	-8.6	37.7	1.0	-45.5	-13.0	-32.5		High Channel (1908.75MHz)											3.78	-62.4	H	3.0	-12.1	38.7	1.0	-49.8	-13.0	-36.8		5.72	-64.5	H	3.0	-10.1	38.5	1.0	-47.6	-13.0	-34.6		7.54	-66.2	H	3.0	-7.0	37.7	1.0	-44.9	-13.0	-32.7		3.78	-61.8	V	3.0	-11.6	38.7	1.0	-49.2	-13.0	-36.2		5.73	-64.3	V	3.0	-10.2	38.5	1.0	-47.7	-13.0	-34.7		7.64	-65.8	V	3.0	-8.0	37.7	1.0	-44.7	-13.0	-31.7		Rev. 03.19.15										CDMA BC1 1xEV-DO Rev A										High Frequency Substitution Measurement UL Fremont Radiated Chamber</td
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(H/V)</th><th>Distance</th><th>EIRP @ TX Ant End (dBm)</th><th>Preamp</th><th>Attenuator</th><th>EIRP</th><th>Limit</th><th>Delta</th><th>Notes</th></tr> </thead> <tbody> <tr> <td>Low Channel (1851.25MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.70</td><td>-61.8</td><td>H</td><td>3.0</td><td>-11.8</td><td>38.6</td><td>1.0</td><td>-49.5</td><td>-13.0</td><td>-36.5</td><td></td></tr> <tr> <td>5.55</td><td>-64.3</td><td>H</td><td>3.0</td><td>-9.2</td><td>38.5</td><td>1.0</td><td>-47.3</td><td>-13.0</td><td>-33.3</td><td></td></tr> <tr> <td>7.41</td><td>-65.7</td><td>H</td><td>3.0</td><td>-6.0</td><td>37.8</td><td>1.0</td><td>-44.8</td><td>-13.0</td><td>-31.8</td><td></td></tr> <tr> <td>3.70</td><td>-62.2</td><td>V</td><td>3.0</td><td>-12.3</td><td>38.6</td><td>1.0</td><td>-49.9</td><td>-13.0</td><td>-36.9</td><td></td></tr> <tr> <td>5.55</td><td>-65.9</td><td>V</td><td>3.0</td><td>-10.2</td><td>38.5</td><td>1.0</td><td>-47.9</td><td>-13.0</td><td>-34.9</td><td></td></tr> <tr> <td>7.41</td><td>-66.3</td><td>V</td><td>3.0</td><td>-8.9</td><td>37.8</td><td>1.0</td><td>-45.7</td><td>-13.0</td><td>-32.7</td><td></td></tr> <tr> <td>Mid Channel (1880MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.76</td><td>-62.7</td><td>H</td><td>3.0</td><td>-12.6</td><td>38.6</td><td>1.0</td><td>-50.2</td><td>-13.0</td><td>-37.2</td><td></td></tr> <tr> <td>5.64</td><td>-64.8</td><td>H</td><td>3.0</td><td>-10.5</td><td>38.5</td><td>1.0</td><td>-48.1</td><td>-13.0</td><td>-35.1</td><td></td></tr> <tr> <td>7.52</td><td>-66.2</td><td>H</td><td>3.0</td><td>-7.4</td><td>37.7</td><td>1.0</td><td>-45.4</td><td>-13.0</td><td>-32.2</td><td></td></tr> <tr> <td>3.76</td><td>-62.3</td><td>V</td><td>3.0</td><td>-12.7</td><td>38.6</td><td>1.0</td><td>-49.8</td><td>-13.0</td><td>-36.8</td><td></td></tr> <tr> <td>5.64</td><td>-63.7</td><td>V</td><td>3.0</td><td>-10.8</td><td>38.5</td><td>1.0</td><td>-47.3</td><td>-13.0</td><td>-34.3</td><td></td></tr> <tr> <td>7.52</td><td>-66.4</td><td>V</td><td>3.0</td><td>-8.6</td><td>37.7</td><td>1.0</td><td>-45.5</td><td>-13.0</td><td>-32.5</td><td></td></tr> <tr> <td>High Channel (1908.75MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.78</td><td>-62.4</td><td>H</td><td>3.0</td><td>-12.1</td><td>38.7</td><td>1.0</td><td>-49.8</td><td>-13.0</td><td>-36.8</td><td></td></tr> <tr> <td>5.72</td><td>-64.5</td><td>H</td><td>3.0</td><td>-10.1</td><td>38.5</td><td>1.0</td><td>-47.6</td><td>-13.0</td><td>-34.6</td><td></td></tr> <tr> <td>7.54</td><td>-66.2</td><td>H</td><td>3.0</td><td>-7.0</td><td>37.7</td><td>1.0</td><td>-44.9</td><td>-13.0</td><td>-32.7</td><td></td></tr> <tr> <td>3.78</td><td>-61.8</td><td>V</td><td>3.0</td><td>-11.6</td><td>38.7</td><td>1.0</td><td>-49.2</td><td>-13.0</td><td>-36.2</td><td></td></tr> <tr> <td>5.73</td><td>-64.3</td><td>V</td><td>3.0</td><td>-10.2</td><td>38.5</td><td>1.0</td><td>-47.7</td><td>-13.0</td><td>-34.7</td><td></td></tr> <tr> <td>7.64</td><td>-65.8</td><td>V</td><td>3.0</td><td>-8.0</td><td>37.7</td><td>1.0</td><td>-44.7</td><td>-13.0</td><td>-31.7</td><td></td></tr> <tr> <td colspan="10">Rev. 03.19.15</td></tr> <tr> <td colspan="10">CDMA BC1 1xEV-DO Rev A</td></tr> <tr> <td>High Frequency Substitution Measurement UL Fremont Radiated Chamber&lt;/td</td></tr></tbody></table>	Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes	Low Channel (1851.25MHz)											3.70	-61.8	H	3.0	-11.8	38.6	1.0	-49.5	-13.0	-36.5		5.55	-64.3	H	3.0	-9.2	38.5	1.0	-47.3	-13.0	-33.3		7.41	-65.7	H	3.0	-6.0	37.8	1.0	-44.8	-13.0	-31.8		3.70	-62.2	V	3.0	-12.3	38.6	1.0	-49.9	-13.0	-36.9		5.55	-65.9	V	3.0	-10.2	38.5	1.0	-47.9	-13.0	-34.9		7.41	-66.3	V	3.0	-8.9	37.8	1.0	-45.7	-13.0	-32.7		Mid Channel (1880MHz)											3.76	-62.7	H	3.0	-12.6	38.6	1.0	-50.2	-13.0	-37.2		5.64	-64.8	H	3.0	-10.5	38.5	1.0	-48.1	-13.0	-35.1		7.52	-66.2	H	3.0	-7.4	37.7	1.0	-45.4	-13.0	-32.2		3.76	-62.3	V	3.0	-12.7	38.6	1.0	-49.8	-13.0	-36.8		5.64	-63.7	V	3.0	-10.8	38.5	1.0	-47.3	-13.0	-34.3		7.52	-66.4	V	3.0	-8.6	37.7	1.0	-45.5	-13.0	-32.5		High Channel (1908.75MHz)											3.78	-62.4	H	3.0	-12.1	38.7	1.0	-49.8	-13.0	-36.8		5.72	-64.5	H	3.0	-10.1	38.5	1.0	-47.6	-13.0	-34.6		7.54	-66.2	H	3.0	-7.0	37.7	1.0	-44.9	-13.0	-32.7		3.78	-61.8	V	3.0	-11.6	38.7	1.0	-49.2	-13.0	-36.2		5.73	-64.3	V	3.0	-10.2	38.5	1.0	-47.7	-13.0	-34.7		7.64	-65.8	V	3.0	-8.0	37.7	1.0	-44.7	-13.0	-31.7		Rev. 03.19.15										CDMA BC1 1xEV-DO Rev A										High Frequency Substitution Measurement UL Fremont Radiated Chamber</td																																																																																																																																																																																																																																																																																																																														
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(H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes	Low Channel (1851.25MHz)											3.70	-62.6	H	3.0	-12.7	38.6	1.0	-50.3	-13.0	-37.3		5.45	-63.3	H	3.0	-9.1	38.6	1.0	-48.8	-13.0	-33.9		7.41	-65.1	H	3.0	-7.4	37.8	1.0	-44.2	-13.0	-32.2		3.70	-63.2	V	3.0	-13.3	38.6	1.0	-50.9	-13.0	-37.9		5.45	-65.1	V	3.0	-11.3	38.6	1.0	-48.9	-13.0	-35.9		7.41	-67.5	V	3.0	-10.1	37.8	1.0	-48.9	-13.0	-33.9		Mid Channel (1880MHz)											3.70	-61.6	H	3.0	-11.5	38.6	1.0	-49.1	-13.0	-36.1		5.44	-64.3	H	3.0	-10.1	38.5	1.0	-47.6	-13.0	-34.6		7.52	-65.9	H	3.0	-8.2	37.7	1.0	-44.9	-13.0	-31.9		3.70	-61.8	V	3.0	-14.5	38.6	1.0	-48.1	-13.0	-34.2		5.44	-64.4	V	3.0	-10.4	38.5	1.0	-48.0	-13.0	-35.0		7.52	-67.1	V	3.0	-9.5	37.7	1.0	-46.2	-13.0	-33.2		High Channel (1908.75MHz)											3.82	-61.0	H	3.0	-10.7	38.7	1.0	-48.4	-13.0	-35.4		5.63	-64.4	H	3.0	-8.2	38.7	1.0	-47.1	-13.0	-34.1		7.65	-66.2	H	3.0	-5.2	37.7	1.0	-44.9	-13.0	-31.9		3.82	-61.9	V	3.0	-11.7	38.7	1.0	-49.4	-13.0	-36.4		5.73	-64.7	V	3.0	-10.6	38.5	1.0	-48.1	-13.0	-35.1		7.64	-65.8	V	3.0	-8.0	37.7	1.0	-44.7	-13.0	-31.7		Rev. 03.19.15										CDMA BC1 1xRTT										High Frequency Substitution Measurement UL Fremont Radiated Chamber										Company: Project #: Date: 03/15/18 Test Engineer: 10641 Configuration: EUT only Mode: Rev O/A 1900MHz										Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable										<table border="1"> <thead> <tr> <th>Chamber</th><th>Pre-amplifier</th><th>Filter</th><th>Limit</th><th></th></tr> <tr> <td>3m Chamber E</td><td>3m Chamber E</td><td>Filter</td><td>EIRP</td><td></td></tr> </thead> <tbody> <tr> <td>3m Chamber E</td><td>3m Chamber E</td><td>Filter</td><td>EIRP</td><td></td></tr> </tbody> </table>										Chamber	Pre-amplifier	Filter	Limit		3m Chamber E	3m Chamber E	Filter	EIRP		3m Chamber E	3m Chamber E	Filter	EIRP		<table border="1"> <thead> <tr> <th>Frequency (GHz)</th><th>SA reading (dBm)</th><th>Ant. 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(H/V)</th><th>Distance</th><th>EIRP @ TX Ant End (dBm)</th><th>Preamp</th><th>Attenuator</th><th>EIRP</th><th>Limit</th><th>Delta</th><th>Notes</th></tr> </thead> <tbody> <tr> <td>Low Channel (1851.25MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.70</td><td>-61.8</td><td>H</td><td>3.0</td><td>-11.8</td><td>38.6</td><td>1.0</td><td>-49.5</td><td>-13.0</td><td>-36.5</td><td></td></tr> <tr> <td>5.55</td><td>-64.3</td><td>H</td><td>3.0</td><td>-9.2</td><td>38.5</td><td>1.0</td><td>-47.3</td><td>-13.0</td><td>-33.3</td><td></td></tr> <tr> <td>7.41</td><td>-65.7</td><td>H</td><td>3.0</td><td>-6.0</td><td>37.8</td><td>1.0</td><td>-44.8</td><td>-13.0</td><td>-31.8</td><td></td></tr> <tr> <td>3.70</td><td>-62.2</td><td>V</td><td>3.0</td><td>-12.3</td><td>38.6</td><td>1.0</td><td>-49.9</td><td>-13.0</td><td>-36.9</td><td></td></tr> <tr> <td>5.55</td><td>-65.9</td><td>V</td><td>3.0</td><td>-10.2</td><td>38.5</td><td>1.0</td><td>-47.9</td><td>-13.0</td><td>-34.9</td><td></td></tr> <tr> <td>7.41</td><td>-66.3</td><td>V</td><td>3.0</td><td>-8.9</td><td>37.8</td><td>1.0</td><td>-45.7</td><td>-13.0</td><td>-32.7</td><td></td></tr> <tr> <td>Mid Channel (1880MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.76</td><td>-62.7</td><td>H</td><td>3.0</td><td>-12.6</td><td>38.6</td><td>1.0</td><td>-50.2</td><td>-13.0</td><td>-37.2</td><td></td></tr> <tr> <td>5.64</td><td>-64.8</td><td>H</td><td>3.0</td><td>-10.5</td><td>38.5</td><td>1.0</td><td>-48.1</td><td>-13.0</td><td>-35.1</td><td></td></tr> <tr> <td>7.52</td><td>-66.2</td><td>H</td><td>3.0</td><td>-7.4</td><td>37.7</td><td>1.0</td><td>-45.4</td><td>-13.0</td><td>-32.2</td><td></td></tr> <tr> <td>3.76</td><td>-62.3</td><td>V</td><td>3.0</td><td>-12.7</td><td>38.6</td><td>1.0</td><td>-49.8</td><td>-13.0</td><td>-36.8</td><td></td></tr> <tr> <td>5.64</td><td>-63.7</td><td>V</td><td>3.0</td><td>-10.8</td><td>38.5</td><td>1.0</td><td>-47.3</td><td>-13.0</td><td>-34.3</td><td></td></tr> <tr> <td>7.52</td><td>-66.4</td><td>V</td><td>3.0</td><td>-8.6</td><td>37.7</td><td>1.0</td><td>-45.5</td><td>-13.0</td><td>-32.5</td><td></td></tr> <tr> <td>High Channel (1908.75MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.78</td><td>-62.4</td><td>H</td><td>3.0</td><td>-12.1</td><td>38.7</td><td>1.0</td><td>-49.8</td><td>-13.0</td><td>-36.8</td><td></td></tr> <tr> <td>5.72</td><td>-64.5</td><td>H</td><td>3.0</td><td>-10.1</td><td>38.5</td><td>1.0</td><td>-47.6</td><td>-13.0</td><td>-34.6</td><td></td></tr> <tr> <td>7.54</td><td>-66.2</td><td>H</td><td>3.0</td><td>-7.0</td><td>37.7</td><td>1.0</td><td>-44.9</td><td>-13.0</td><td>-32.7</td><td></td></tr> <tr> <td>3.78</td><td>-61.8</td><td>V</td><td>3.0</td><td>-11.6</td><td>38.7</td><td>1.0</td><td>-49.2</td><td>-13.0</td><td>-36.2</td><td></td></tr> <tr> <td>5.73</td><td>-64.3</td><td>V</td><td>3.0</td><td>-10.2</td><td>38.5</td><td>1.0</td><td>-47.7</td><td>-13.0</td><td>-34.7</td><td></td></tr> <tr> <td>7.64</td><td>-65.8</td><td>V</td><td>3.0</td><td>-8.0</td><td>37.7</td><td>1.0</td><td>-44.7</td><td>-13.0</td><td>-31.7</td><td></td></tr> <tr> <td colspan="10">Rev. 03.19.15</td></tr> <tr> <td colspan="10">CDMA BC1 1xEV-DO Rev A</td></tr> <tr> <td>High Frequency Substitution Measurement UL Fremont Radiated Chamber&lt;/td</td></tr></tbody></table>	Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes	Low Channel (1851.25MHz)											3.70	-61.8	H	3.0	-11.8	38.6	1.0	-49.5	-13.0	-36.5		5.55	-64.3	H	3.0	-9.2	38.5	1.0	-47.3	-13.0	-33.3		7.41	-65.7	H	3.0	-6.0	37.8	1.0	-44.8	-13.0	-31.8		3.70	-62.2	V	3.0	-12.3	38.6	1.0	-49.9	-13.0	-36.9		5.55	-65.9	V	3.0	-10.2	38.5	1.0	-47.9	-13.0	-34.9		7.41	-66.3	V	3.0	-8.9	37.8	1.0	-45.7	-13.0	-32.7		Mid Channel (1880MHz)											3.76	-62.7	H	3.0	-12.6	38.6	1.0	-50.2	-13.0	-37.2		5.64	-64.8	H	3.0	-10.5	38.5	1.0	-48.1	-13.0	-35.1		7.52	-66.2	H	3.0	-7.4	37.7	1.0	-45.4	-13.0	-32.2		3.76	-62.3	V	3.0	-12.7	38.6	1.0	-49.8	-13.0	-36.8		5.64	-63.7	V	3.0	-10.8	38.5	1.0	-47.3	-13.0	-34.3		7.52	-66.4	V	3.0	-8.6	37.7	1.0	-45.5	-13.0	-32.5		High Channel (1908.75MHz)											3.78	-62.4	H	3.0	-12.1	38.7	1.0	-49.8	-13.0	-36.8		5.72	-64.5	H	3.0	-10.1	38.5	1.0	-47.6	-13.0	-34.6		7.54	-66.2	H	3.0	-7.0	37.7	1.0	-44.9	-13.0	-32.7		3.78	-61.8	V	3.0	-11.6	38.7	1.0	-49.2	-13.0	-36.2		5.73	-64.3	V	3.0	-10.2	38.5	1.0	-47.7	-13.0	-34.7		7.64	-65.8	V	3.0	-8.0	37.7	1.0	-44.7	-13.0	-31.7		Rev. 03.19.15										CDMA BC1 1xEV-DO Rev A										High Frequency Substitution Measurement UL Fremont Radiated Chamber</td																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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(H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes	Low Channel (1851.25MHz)											3.70	-61.8	H	3.0	-11.8	38.6	1.0	-49.5	-13.0	-36.5		5.55	-64.3	H	3.0	-9.2	38.5	1.0	-47.3	-13.0	-33.3		7.41	-65.7	H	3.0	-6.0	37.8	1.0	-44.8	-13.0	-31.8		3.70	-62.2	V	3.0	-12.3	38.6	1.0	-49.9	-13.0	-36.9		5.55	-65.9	V	3.0	-10.2	38.5	1.0	-47.9	-13.0	-34.9		7.41	-66.3	V	3.0	-8.9	37.8	1.0	-45.7	-13.0	-32.7		Mid Channel (1880MHz)											3.76	-62.7	H	3.0	-12.6	38.6	1.0	-50.2	-13.0	-37.2		5.64	-64.8	H	3.0	-10.5	38.5	1.0	-48.1	-13.0	-35.1		7.52	-66.2	H	3.0	-7.4	37.7	1.0	-45.4	-13.0	-32.2		3.76	-62.3	V	3.0	-12.7	38.6	1.0	-49.8	-13.0	-36.8		5.64	-63.7	V	3.0	-10.8	38.5	1.0	-47.3	-13.0	-34.3		7.52	-66.4	V	3.0	-8.6	37.7	1.0	-45.5	-13.0	-32.5		High Channel (1908.75MHz)											3.78	-62.4	H	3.0	-12.1	38.7	1.0	-49.8	-13.0	-36.8		5.72	-64.5	H	3.0	-10.1	38.5	1.0	-47.6	-13.0	-34.6		7.54	-66.2	H	3.0	-7.0	37.7	1.0	-44.9	-13.0	-32.7		3.78	-61.8	V	3.0	-11.6	38.7	1.0	-49.2	-13.0	-36.2		5.73	-64.3	V	3.0	-10.2	38.5	1.0	-47.7	-13.0	-34.7		7.64	-65.8	V	3.0	-8.0	37.7	1.0	-44.7	-13.0	-31.7		Rev. 03.19.15										CDMA BC1 1xEV-DO Rev A										High Frequency Substitution Measurement UL Fremont Radiated Chamber</td																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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5.64	-63.7	V	3.0	-10.8	38.5	1.0	-47.3	-13.0	-34.3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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3.78	-62.4	H	3.0	-12.1	38.7	1.0	-49.8	-13.0	-36.8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
5.72	-64.5	H	3.0	-10.1	38.5	1.0	-47.6	-13.0	-34.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
7.54	-66.2	H	3.0	-7.0	37.7	1.0	-44.9	-13.0	-32.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
3.78	-61.8	V	3.0	-11.6	38.7	1.0	-49.2	-13.0	-36.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
5.73	-64.3	V	3.0	-10.2	38.5	1.0	-47.7	-13.0	-34.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
7.64	-65.8	V	3.0	-8.0	37.7	1.0	-44.7	-13.0	-31.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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### 9.1.3. WCDMA

High Frequency Substitution Measurement UL Fremont Radiated Chamber										
Company: Project #: Date: Test Engineer: Configuration: Mode:		High Frequency Substitution Measurement UL Fremont Radiated Chamber								
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable								
Chamber	Pre-amplifier	Filter	Limit	Chamber	Pre-amplifier	Filter	Limit	Chamber	Pre-amplifier	Filter
3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter
Frequency	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes
Low Channel (826.4MHz)										
1.65	-43.8	H	3.0	-22.6	33.7	1.0	-55.3	-13.0	-42.3	
2.48	-46.2	H	3.0	-22.1	34.1	1.0	-55.2	-13.0	-42.2	
3.31	-45.9	H	3.0	-17.6	34.7	1.0	-51.2	-13.0	-38.2	
1.65	-43.1	V	3.0	-19.7	33.7	1.0	-52.4	-13.0	-39.4	
2.48	-44.7	V	3.0	-19.9	34.1	1.0	-53.8	-13.0	-40.9	
3.31	-45.9	V	3.0	-17.3	34.7	1.0	-51.0	-13.0	-38.0	
Mid Channel (836.8MHz)										
1.67	-42.5	H	3.0	-21.2	33.7	1.0	-53.8	-13.0	-40.9	
2.51	-45.1	H	3.0	-20.9	34.1	1.0	-54.0	-13.0	-41.0	
3.35	-46.0	H	3.0	-17.6	34.6	1.0	-51.2	-13.0	-38.2	
1.67	-41.8	V	3.0	-17.3	33.7	1.0	-51.5	-13.0	-38.3	
2.51	-46.7	V	3.0	-21.9	34.1	1.0	-55.0	-13.0	-42.0	
3.35	-46.7	V	3.0	-18.0	34.6	1.0	-51.7	-13.0	-38.7	
High Channel (846.8MHz)										
1.69	-43.9	H	3.0	-22.4	33.7	1.0	-55.1	-13.0	-42.1	
2.54	-45.6	H	3.0	-21.2	34.1	1.0	-54.3	-13.0	-41.3	
3.39	-45.1	H	3.0	-17.3	34.6	1.0	-50.8	-13.0	-37.6	
1.69	-42.4	V	3.0	-19.0	33.7	1.0	-51.7	-13.0	-38.7	
2.54	-46.3	V	3.0	-21.3	34.1	1.0	-54.4	-13.0	-41.4	
3.39	-46.1	V	3.0	-17.3	34.6	1.0	-51.0	-13.0	-38.0	
Rev. 03.19.15										
WCDMA Band 5 Rel 99										
High Frequency Substitution Measurement UL Fremont Radiated Chamber										
Company: Project #: Date: Test Engineer: Configuration: Mode:		High Frequency Substitution Measurement UL Fremont Radiated Chamber								
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable								
Chamber	Pre-amplifier	Filter	Limit	Chamber	Pre-amplifier	Filter	Limit	Chamber	Pre-amplifier	Filter
3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter
Frequency	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes
Low Channel (1852.4MHz)										
3.51	-44.8	H	3.0	-14.8	34.4	1.0	-48.2	-13.0	-35.2	
5.56	-47.3	H	3.0	-13.9	34.1	1.0	-47.0	-13.0	-34.0	
7.41	-66.6	H	3.0	-10.3	33.6	1.0	-42.9	-13.0	-29.9	
3.70	-45.0	V	3.0	-14.5	34.4	1.0	-48.0	-13.0	-33.5	
5.55	-47.1	V	3.0	-13.4	34.1	1.0	-46.5	-13.0	-33.5	
7.42	-47.8	V	3.0	-11.6	33.6	1.0	-44.2	-13.0	-31.2	
Mid Channel (1880MHz)										
3.76	-44.2	H	3.0	-14.2	34.4	1.0	-48.5	-13.0	-35.5	
5.64	-46.7	H	3.0	-13.1	34.1	1.0	-46.2	-13.0	-33.0	
7.52	-47.8	H	3.0	-13.0	33.5	1.0	-46.3	-13.0	-33.0	
3.76	-44.6	V	3.0	-14.5	34.4	1.0	-48.0	-13.0	-35.0	
5.64	-47.6	V	3.0	-13.9	34.1	1.0	-47.0	-13.0	-34.0	
7.52	-47.7	V	3.0	-11.4	33.5	1.0	-43.9	-13.0	-30.9	
High Channel (1907.6MHz)										
3.81	-44.7	H	3.0	-14.5	34.4	1.0	-47.8	-13.0	-34.6	
5.72	-47.1	H	3.0	-13.7	34.1	1.0	-46.2	-13.0	-33.3	
7.66	-48.9	H	3.0	-12.2	33.4	1.0	-44.6	-13.0	-31.6	
3.82	-44.4	V	3.0	-14.2	34.4	1.0	-47.5	-13.0	-34.5	
5.72	-47.0	V	3.0	-13.2	34.1	1.0	-46.3	-13.0	-33.3	
7.63	-46.8	V	3.0	-10.3	33.4	1.0	-42.8	-13.0	-29.8	
Rev. 03.19.15										
WCDMA Band 2 Rel 99										
High Frequency Substitution Measurement UL Fremont Radiated Chamber										
Company: Project #: Date: Test Engineer: Configuration: Mode:		High Frequency Substitution Measurement UL Fremont Radiated Chamber								
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable								
Chamber	Pre-amplifier	Filter	Limit	Chamber	Pre-amplifier	Filter	Limit	Chamber	Pre-amplifier	Filter
3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter
Frequency	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes
Low Channel (1712.4MHz)										
3.42	-65.5	H	3.0	-16.8	34.6	1.0	-50.4	-13.0	-37.4	
5.14	-63.5	H	3.0	-10.7	34.2	1.0	-45.3	-13.0	-33.8	
6.85	-47.8	H	3.0	-12.9	33.9	1.0	-48.7	-13.0	-32.7	
5.12	-65.9	V	3.0	-18.0	34.5	1.0	-51.6	-13.0	-38.6	
5.14	-64.6	V	3.0	-11.6	34.2	1.0	-44.8	-13.0	-31.8	
6.85	-47.5	V	3.0	-12.1	33.9	1.0	-45.1	-13.0	-32.1	
Mid Channel (1732.6MHz)										
3.47	-65.9	H	3.0	-17.9	34.6	1.0	-51.6	-13.0	-38.5	
5.26	-66.8	H	3.0	-13.9	34.2	1.0	-46.2	-13.0	-32.2	
7.01	-67.3	H	3.0	-11.7	33.9	1.0	-44.4	-13.0	-31.6	
3.47	-66.5	V	3.0	-17.4	34.6	1.0	-51.0	-13.0	-38.0	
5.26	-65.0	V	3.0	-11.8	34.2	1.0	-45.0	-13.0	-32.0	
6.83	-64.4	V	3.0	-8.9	33.9	1.0	-41.9	-13.0	-28.9	
High Channel (1752.6MHz)										
3.53	-67.1	H	3.0	-18.0	34.5	1.0	-51.5	-13.0	-38.5	
5.26	-66.8	H	3.0	-13.9	34.2	1.0	-46.2	-13.0	-32.2	
7.01	-67.3	H	3.0	-11.5	33.9	1.0	-44.4	-13.0	-31.4	
3.51	-67.3	V	3.0	-18.5	34.5	1.0	-51.3	-13.0	-38.7	
5.26	-66.4	V	3.0	-13.8	34.2	1.0	-46.8	-13.0	-32.3	
7.01	-67.2	V	3.0	-11.7	33.9	1.0	-44.6	-13.0	-31.6	
Rev. 03.19.15										
WCDMA Band 4 Rel 99										
High Frequency Substitution Measurement UL Fremont Radiated Chamber										
Company: Project #: Date: Test Engineer: Configuration: Mode:		High Frequency Substitution Measurement UL Fremont Radiated Chamber								
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable								
Chamber	Pre-amplifier	Filter	Limit	Chamber	Pre-amplifier	Filter	Limit	Chamber	Pre-amplifier	Filter
3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter
Frequency	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes
Low Channel (1732.6MHz)										
3.47	-66.9	H	3.0	-18.9	34.6	1.0	-51.6	-13.0	-38.6	
5.26	-67.7	H	3.0	-13.7	34.2	1.0	-47.0	-13.0	-34.0	
6.93	-67.6	H	3.0	-11.9	33.9	1.0	-44.9	-13.0	-31.9	
3.47	-65.6	V	3.0	-16.6	34.6	1.0	-50.1	-13.0	-37.1	
5.26	-64.8	V	3.0	-11.6	34.2	1.0	-44.9	-13.0	-31.9	
6.93	-67.8	V	3.0	-12.3	33.9	1.0	-45.2	-13.0	-32.2	
High Channel (1752.6MHz)										
3.53	-66.9	H	3.0	-17.0	34.5	1.0	-51.5	-13.0	-37.5	
5.26	-65.5	H	3.0	-12.6	34.2	1.0	-45.7	-13.0	-32.7	
7.01	-67.3	H	3.0	-11.5	33.9	1.0	-44.4	-13.0	-31.4	
3.51	-66.2	V	3.0	-17.8	34.5	1.0	-50.5	-13.0	-37.5	
5.26	-65.0	V	3.0	-12.1	34.2	1.0	-44.9	-13.0	-31.3	
7.01	-66.7	V	3.0	-11.1	33.9	1.0	-44.0	-13.0	-31.0	
Rev. 03.19.15										
WCDMA Band 4 HSDPA										
High Frequency Substitution Measurement UL Fremont Radiated Chamber										
Company: Project #: Date: Test Engineer: Configuration: Mode:		High Frequency Substitution Measurement UL Fremont Radiated Chamber								
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable								
Chamber	Pre-amplifier	Filter	Limit	Chamber	Pre-amplifier	Filter	Limit	Chamber	Pre-amplifier	Filter
3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter	EIRP			

## 9.2. FIELD STRENGTH OF SPURIOUS RADIATION (Ant 2)

### 9.2.1. GSM

High Frequency Substitution Measurement UL Fremont Radiated Chamber											
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber		Pre-amplifier		Filter		Limit					
3m Chamber F	-	3m Chamber F	-	Filter	-	EIRP	-	Preamp	Attenuator	EIRP	Limit
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes
Low Channel (824.2MHz)											
1.65	-68.4	H	3.0	-28.9	33.7	1.0	-58.5	-13.0	-46.6		
2.47	-68.7	H	3.0	-24.6	34.1	1.0	-57.7	-13.0	-44.7		
3.30	-68.2	H	3.0	-20.8	34.7	1.0	-53.6	-13.0	-48.6		
1.65	-68.6	V	3.0	-24.7	34.1	1.0	-57.7	-13.0	-42.6		
2.47	-68.5	V	3.0	-23.8	34.1	1.0	-56.9	-13.0	-43.9		
3.30	-68.2	V	3.0	-19.8	34.7	1.0	-53.4	-13.0	-48.4		
Mid Channel (836.8MHz)											
1.67	-69.5	H	3.0	-28.5	33.7	1.0	-60.8	-13.0	-47.9		
2.51	-68.6	H	3.0	-22.5	34.1	1.0	-55.4	-13.0	-43.7		
3.35	-68.1	H	3.0	-19.7	34.6	1.0	-53.3	-13.0	-49.3		
1.67	-69.4	V	3.0	-26.6	32.7	1.0	-58.7	-13.0	-45.7		
2.51	-68.6	V	3.0	-23.5	34.1	1.0	-51.3	-13.0	-42.4		
3.35	-67.9	V	3.0	-19.2	34.6	1.0	-52.9	-13.0	-39.9		
High Channel (848.8MHz)											
1.70	-68.7	H	3.0	-27.2	33.7	1.0	-59.9	-13.0	-46.9		
2.55	-67.4	H	3.0	-22.6	34.2	1.0	-55.8	-13.0	-42.9		
3.40	-68.4	H	3.0	-18.6	34.6	1.0	-51.3	-13.0	-46.0		
1.70	-69.3	V	3.0	-25.9	33.7	1.0	-58.5	-13.0	-45.5		
2.55	-68.5	V	3.0	-23.5	34.2	1.0	-56.6	-13.0	-43.6		
3.40	-69.2	V	3.0	-20.4	34.8	1.0	-54.9	-13.0	-41.0		
Rev. 03.19.15											
GSM 850MHz GPRS											
High Frequency Substitution Measurement UL Fremont Radiated Chamber											
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber		Pre-amplifier		Filter		Limit					
3m Chamber G	-	3m Chamber G	-	Filter	-	EIRP	-	Preamp	Attenuator	EIRP	Limit
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes
Low Channel (1856.0MHz)											
3.70	-66.0	H	3.0	-19.2	36.2	1.0	-54.5	-13.0	-41.5		
5.55	-67.3	H	3.0	-17.0	36.1	1.0	-52.1	-13.0	-39.1		
7.40	-69.3	H	3.0	-16.2	35.2	1.0	-50.4	-13.0	-37.4		
3.70	-67.3	V	3.0	-20.2	36.2	1.0	-53.5	-13.0	-42.4		
5.55	-69.0	V	3.0	-18.9	36.1	1.0	-54.0	-13.0	-41.0		
7.40	-69.5	V	3.0	-16.5	35.2	1.0	-50.7	-13.0	-37.7		
Mid Channel (1880.0)											
3.76	-65.6	H	3.0	-18.7	36.2	1.0	-53.9	-13.0	-40.9		
5.64	-68.3	H	3.0	-17.1	36.1	1.0	-52.3	-13.0	-39.9		
7.52	-70.6	H	3.0	-16.8	35.1	1.0	-50.9	-13.0	-37.9		
3.76	-65.9	V	3.0	-18.5	36.2	1.0	-53.7	-13.0	-40.7		
5.64	-68.7	V	3.0	-18.4	36.1	1.0	-53.5	-13.0	-40.5		
7.52	-68.5	V	3.0	-16.4	35.1	1.0	-49.5	-13.0	-35.5		
High Channel (1909.8MHz)											
3.76	-64.5	H	3.0	-17.5	36.1	1.0	-52.6	-13.0	-39.6		
5.73	-69.3	H	3.0	-18.7	36.1	1.0	-53.7	-13.0	-40.7		
7.54	-68.8	H	3.0	-15.6	35.1	1.0	-49.7	-13.0	-36.7		
3.82	-66.3	V	3.0	-19.1	36.1	1.0	-50.4	-13.0	-41.1		
5.73	-68.0	V	3.0	-17.6	36.1	1.0	-52.6	-13.0	-39.6		
7.54	-69.2	V	3.0	-16.1	35.1	1.0	-50.2	-13.0	-37.2		
Rev. 03.19.15											
GSM 1900MHz GPRS											
High Frequency Substitution Measurement UL Fremont Radiated Chamber											
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber		Pre-amplifier		Filter		Limit					
3m Chamber F	-	3m Chamber F	-	Filter	-	EIRP	-	Preamp	Attenuator	EIRP	Limit
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes
Low Channel (1956.0MHz)											
3.70	-66.2	H	3.0	-16.4	34.4	1.0	-49.9	-13.0	-36.9		
5.55	-67.3	H	3.0	-14.0	34.1	1.0	-48.1	-13.0	-36.1		
7.40	-68.4	H	3.0	-12.0	33.6	1.0	-44.6	-13.0	-31.6		
3.70	-66.4	V	3.0	-16.5	34.4	1.0	-50.0	-13.0	-37.0		
5.55	-68.4	V	3.0	-14.8	34.1	1.0	-47.9	-13.0	-34.9		
7.40	-68.2	V	3.0	-12.1	33.6	1.0	-44.7	-13.0	-31.7		
Mid Channel (1980.0)											
3.76	-67.4	H	3.0	-17.4	34.4	1.0	-50.8	-13.0	-37.8		
5.64	-69.8	H	3.0	-16.2	34.1	1.0	-49.3	-13.0	-36.3		
7.52	-70.3	H	3.0	-14.8	33.5	1.0	-46.1	-13.0	-33.1		
3.76	-67.5	V	3.0	-15.2	34.4	1.0	-48.7	-13.0	-35.8		
5.64	-69.2	V	3.0	-15.5	34.1	1.0	-48.6	-13.0	-35.6		
7.52	-68.9	V	3.0	-12.6	33.5	1.0	-45.1	-13.0	-32.1		
High Channel (1999.8MHz)											
3.82	-66.3	H	3.0	-16.1	34.4	1.0	-49.5	-13.0	-36.5		
5.73	-69.3	H	3.0	-15.4	34.1	1.0	-48.1	-13.0	-35.5		
7.54	-70.3	H	3.0	-13.8	33.5	1.0	-46.3	-13.0	-33.3		
3.82	-65.8	V	3.0	-15.5	34.4	1.0	-48.9	-13.0	-35.9		
5.73	-68.5	V	3.0	-14.9	34.1	1.0	-47.7	-13.0	-34.7		
7.54	-69.4	V	3.0	-13.1	33.5	1.0	-45.6	-13.0	-32.6		
Rev. 03.19.15											
GSM 1900MHz EGPRS											

## 9.2.2. CDMA

High Frequency Substitution Measurement UL Fremont Radiated Chamber																																																																																																																																																																																																																																																																																																																																									
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(H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes	Low Channel (1851.25MHz)											3.70	-41.6	H	3.0	-13.6	37.4	1.0	-50.1	-13.0	-37.1		9.55	-46.0	H	3.0	-19.1	36.7	1.0	-59.8	-13.0	-37.8		7.41	-48.1	H	3.0	-19.1	36.0	1.0	-49.3	-13.0	-39.3		3.70	-41.0	V	3.0	-13.3	37.4	1.0	-49.7	-13.0	-36.7		9.55	-46.1	V	3.0	-19.1	36.7	1.0	-57.2	-13.0	-38.7		7.41	-48.9	V	3.0	-16.4	36.8	1.0	-50.4	-13.0	-37.4		Mid Channel (1900MHz)											3.70	-41.7	H	3.0	-13.7	37.4	1.0	-50.1	-13.0	-37.1		5.64	-66.2	H	3.0	-15.1	36.7	1.0	-50.9	-13.0	-38.2		7.41	-48.1	H	3.0	-15.1	36.0	1.0	-49.3	-13.0	-37.2		3.70	-41.6	V	3.0	-14.4	37.4	1.0	-50.1	-13.0	-38.2		5.64	-66.6	V	3.0	-15.5	36.7	1.0	-51.2	-13.0	-38.2		7.41	-48.6	V	3.0	-14.9	35.9	1.0	-49.9	-13.0	-38.9		High Channel (1908.75MHz)											3.82	-41.8	H	3.0	-14.5	37.3	1.0	-50.8	-13.0	-37.8		5.73	-66.2	H	3.0	-15.0	36.7	1.0	-50.7	-13.0	-38.6		7.64	-47.8	H	3.0	-13.9	35.8	1.0	-48.7	-13.0	-38.5		3.82	-41.9	V	3.0	-14.2	37.3	1.0	-50.1	-13.0	-37.1		5.73	-67.0	V	3.0	-15.7	36.7	1.0	-51.4	-13.0	-38.4		7.64	-48.6	V	3.0	-14.9	35.8	1.0	-49.7	-13.0	-37.7		High Channel (1908.75MHz)											3.82	-41.8	H	3.0	-14.5	37.3	1.0	-50.8	-13.0	-37.8		5.73	-67.1	H	3.0	-15.0	36.7	1.0	-51.6	-13.0	-38.6		7.64	-48.6	H	3.0	-14.6	35.8	1.0	-49.5	-13.0	-38.5		3.82	-41.9	V	3.0	-14.2	37.3	1.0	-50.1	-13.0	-37.1		5.73	-67.0	V	3.0	-15.7	36.7	1.0	-50.0	-13.0	-37.0		7.64	-49.0	V	3.0	-15.3	35.8	1.0	-49.1	-13.0	-37.1	
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<table border="1"> <thead> <tr> <th>Frequency (GHz)</th><th>SA reading (dBm)</th><th>Ant. Pol. (H/V)</th><th>Distance</th><th>EIRP @ TX Ant End (dBm)</th><th>Preamp</th><th>Attenuator</th><th>EIRP</th><th>Limit</th><th>Delta</th><th>Notes</th></tr> </thead> <tbody> <tr> <td>Low Channel (1908.75MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.82</td><td>-41.8</td><td>H</td><td>3.0</td><td>-14.5</td><td>37.4</td><td>1.0</td><td>-51.3</td><td>-13.0</td><td>-38.3</td><td></td></tr> <tr> <td>5.64</td><td>-66.4</td><td>H</td><td>3.0</td><td>-15.3</td><td>36.7</td><td>1.0</td><td>-51.0</td><td>-13.0</td><td>-38.0</td><td></td></tr> <tr> <td>7.64</td><td>-47.8</td><td>H</td><td>3.0</td><td>-14.5</td><td>36.7</td><td>1.0</td><td>-50.6</td><td>-13.0</td><td>-37.7</td><td></td></tr> <tr> <td>3.82</td><td>-41.9</td><td>V</td><td>3.0</td><td>-14.2</td><td>37.4</td><td>1.0</td><td>-51.3</td><td>-13.0</td><td>-38.6</td><td></td></tr> <tr> <td>5.64</td><td>-67.0</td><td>V</td><td>3.0</td><td>-14.4</td><td>37.4</td><td>1.0</td><td>-50.8</td><td>-13.0</td><td>-37.8</td><td></td></tr> <tr> <td>7.64</td><td>-48.9</td><td>V</td><td>3.0</td><td>-13.7</td><td>36.7</td><td>1.0</td><td>-49.4</td><td>-13.0</td><td>-36.4</td><td></td></tr> <tr> <td>Mid Channel (1908.75MHz)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>3.76</td><td>-42.9</td><td>H</td><td>3.0</td><td>-14.9</td><td>37.4</td><td>1.0</td><td>-51.3</td><td>-13.0</td><td>-38.3</td><td></td></tr> <tr> <td>5.56</td><td>-65.4</td><td>H</td><td>3.0</td><td>-15.3</td><td>36.7</td><td>1.0</td><td>-51.0</td><td>-13.0</td><td>-38.0</td><td></td></tr> <tr> <td>7.41</td><td>-47.1</td><td>H</td><td>3.0</td><td>-14.5</td><td>36.7</td><td>1.0</td><td>-50.6</td><td>-13.0</td><td>-37.7</td><td></td></tr> <tr> <td>3.76</td><td>-42.2</td><td>V</td><td>3.0</td><td>-14.4</td><td>37.4</td><td>1.0</td><td>-51.3</td><td>-13.0</td><td>-38.6</td><td></td></tr> <tr> <td>5.56</td><td>-64.9</td><td>V</td><td>3.0</td><td>-14.6</td><td>37.4</td><td>1.0</td><td>-50.9</td><td>-13.0</td><td>-3</td></tr></tbody></table>	Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes	Low Channel (1908.75MHz)											3.82	-41.8	H	3.0	-14.5	37.4	1.0	-51.3	-13.0	-38.3		5.64	-66.4	H	3.0	-15.3	36.7	1.0	-51.0	-13.0	-38.0		7.64	-47.8	H	3.0	-14.5	36.7	1.0	-50.6	-13.0	-37.7		3.82	-41.9	V	3.0	-14.2	37.4	1.0	-51.3	-13.0	-38.6		5.64	-67.0	V	3.0	-14.4	37.4	1.0	-50.8	-13.0	-37.8		7.64	-48.9	V	3.0	-13.7	36.7	1.0	-49.4	-13.0	-36.4		Mid Channel (1908.75MHz)											3.76	-42.9	H	3.0	-14.9	37.4	1.0	-51.3	-13.0	-38.3		5.56	-65.4	H	3.0	-15.3	36.7	1.0	-51.0	-13.0	-38.0		7.41	-47.1	H	3.0	-14.5	36.7	1.0	-50.6	-13.0	-37.7		3.76	-42.2	V	3.0	-14.4	37.4	1.0	-51.3	-13.0	-38.6		5.56	-64.9	V	3.0	-14.6	37.4	1.0	-50.9	-13.0	-3																																																																																																																																																																																
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7.64	-47.8	H	3.0	-14.5	36.7	1.0	-50.6	-13.0	-37.7																																																																																																																																																																																																																																																																																																																																
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5.64	-67.0	V	3.0	-14.4	37.4	1.0	-50.8	-13.0	-37.8																																																																																																																																																																																																																																																																																																																																
7.64	-48.9	V	3.0	-13.7	36.7	1.0	-49.4	-13.0	-36.4																																																																																																																																																																																																																																																																																																																																
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7.41	-47.1	H	3.0	-14.5	36.7	1.0	-50.6	-13.0	-37.7																																																																																																																																																																																																																																																																																																																																
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5.56	-64.9	V	3.0	-14.6	37.4	1.0	-50.9	-13.0	-3																																																																																																																																																																																																																																																																																																																																

### 9.2.3. WCDMA

High Frequency Substitution Measurement UL Fremont Radiated Chamber													
Company: Project #: Date: Test Engineer: Configuration: Mode:		301918 36648 EUT Only REL 99, 850MHz		High Frequency Substitution Measurement UL Fremont Radiated Chamber									
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber			Pre-amplifier			Filter		Limit					
3m Chamber F			3m Chamber F			Filter		EIRP					
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes			
Low Channel (826.4MHz)													
1.65	-64.3	H	3.0	-23.1	33.7	1.0	-56.9	-13.0	-43.9				
2.48	-64.0	H	3.0	-19.8	34.1	1.0	-53.0	-13.0	-40.9				
3.31	-65.4	H	3.0	-17.1	34.7	1.0	-50.8	-13.0	-37.8				
1.65	-63.7	V	3.0	-20.3	33.7	1.0	-53.0	-13.0	-40.9				
2.48	-68.0	V	3.0	-21.2	34.1	1.0	-54.1	-13.0	-41.1				
3.31	-67.0	V	3.0	-19.5	34.7	1.0	-52.2	-13.0	-39.2				
Mid Channel (836.8MHz)													
1.67	-65.5	H	3.0	-24.2	33.7	1.0	-56.9	-13.0	-43.9				
2.51	-64.6	H	3.0	-20.4	34.1	1.0	-53.5	-13.0	-40.9				
3.35	-65.9	H	3.0	-17.5	34.6	1.0	-51.2	-13.0	-38.2				
1.67	-62.2	V	3.0	-23.7	34.1	1.0	-53.5	-13.0	-42.5				
2.51	-66.3	V	3.0	-21.4	34.1	1.0	-54.5	-13.0	-41.5				
3.35	-66.5	V	3.0	-17.9	34.6	1.0	-51.5	-13.0	-38.5				
High Channel (846.8MHz)													
1.69	-63.4	H	3.0	-22.0	33.7	1.0	-54.7	-13.0	-41.7				
2.54	-64.6	H	3.0	-20.9	34.1	1.0	-54.1	-13.0	-41.1				
3.39	-66.0	H	3.0	-17.9	34.6	1.0	-52.0	-13.0	-39.4				
1.69	-62.4	V	3.0	-18.9	33.7	1.0	-51.6	-13.0	-38.6				
2.54	-67.3	V	3.0	-22.3	34.1	1.0	-55.4	-13.0	-42.4				
3.39	-66.4	V	3.0	-17.6	34.6	1.0	-51.2	-13.0	-38.2				
Rev. 03.19.15													
WCDMA Band 5 Rel 99													
High Frequency Substitution Measurement UL Fremont Radiated Chamber													
Company: Project #: Date: Test Engineer: Configuration: Mode:		031918 36648 EUT Only REL 99, 1900MHz		High Frequency Substitution Measurement UL Fremont Radiated Chamber									
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber			Pre-amplifier			Filter		Limit					
3m Chamber F			3m Chamber F			Filter		EIRP					
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes			
Low Channel (1852.4MHz)													
5.13	-66.0	H	3.0	-14.2	34.4	1.0	-47.6	-13.0	-34.6				
5.56	-66.0	H	3.0	-12.5	34.1	1.0	-54.1	-13.0	-32.6				
7.41	-67.4	H	3.0	-11.1	33.6	1.0	-43.7	-13.0	-30.7				
5.10	-64.4	V	3.0	-14.2	34.4	1.0	-47.6	-13.0	-33.8				
5.55	-66.8	V	3.0	-13.2	34.1	1.0	-46.4	-13.0	-33.4				
7.42	-66.9	V	3.0	-10.7	33.6	1.0	-43.3	-13.0	-30.3				
Mid Channel (1880.0MHz)													
3.76	-64.3	H	3.0	-14.4	34.4	1.0	-47.8	-13.0	-34.8				
5.64	-66.6	H	3.0	-13.0	34.1	1.0	-46.1	-13.0	-33.1				
7.52	-67.8	H	3.0	-13.0	33.5	1.0	-45.0	-13.0	-32.0				
3.76	-63.9	V	3.0	-13.8	34.4	1.0	-47.2	-13.0	-34.2				
5.64	-66.3	V	3.0	-12.5	34.1	1.0	-45.7	-13.0	-32.7				
7.52	-67.0	V	3.0	-10.7	33.5	1.0	-43.2	-13.0	-30.2				
High Channel (1907.6MHz)													
3.91	-64.2	H	3.0	-14.0	34.4	1.0	-47.4	-13.0	-34.4				
5.72	-66.4	H	3.0	-12.8	34.1	1.0	-45.0	-13.0	-32.8				
7.66	-67.2	H	3.0	-10.6	33.4	1.0	-43.0	-13.0	-30.0				
3.92	-64.4	V	3.0	-14.1	34.4	1.0	-47.5	-13.0	-34.5				
5.72	-65.5	V	3.0	-11.7	34.1	1.0	-44.8	-13.0	-31.8				
7.63	-66.0	V	3.0	-9.5	33.4	1.0	-42.8	-13.0	-29.8				
Rev. 03.19.15													
WCDMA Band 2 Rel 99													
High Frequency Substitution Measurement UL Fremont Radiated Chamber													
Company: Project #: Date: Test Engineer: Configuration: Mode:		031918 36648 EUT Only REL 99, 1700MHz		High Frequency Substitution Measurement UL Fremont Radiated Chamber									
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber			Pre-amplifier			Filter		Limit					
3m Chamber F			3m Chamber F			Filter		EIRP					
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes			
Low Channel (1712.4MHz)													
3.42	-64.3	H	3.0	-15.6	34.6	1.0	-49.1	-13.0	-36.1				
5.14	-66.8	H	3.0	-13.0	34.2	1.0	-47.8	-13.0	-34.2				
6.85	-66.9	H	3.0	-14.4	33.9	1.0	-44.3	-13.0	-31.3				
3.42	-65.0	V	3.0	-16.1	34.6	1.0	-49.7	-13.0	-36.7				
5.14	-65.2	V	3.0	-12.2	34.2	1.0	-45.4	-13.0	-32.4				
6.85	-67.3	V	3.0	-11.8	33.9	1.0	-44.8	-13.0	-31.8				
Mid Channel (1732.4MHz)													
3.42	-64.0	H	3.0	-16.0	34.6	1.0	-49.6	-13.0	-36.6				
5.20	-66.1	H	3.0	-13.3	34.2	1.0	-46.4	-13.0	-34.2				
6.93	-67.5	H	3.0	-11.9	33.9	1.0	-41.2	-13.0	-31.2				
3.41	-64.8	V	3.0	-14.8	34.1	1.0	-47.9	-13.0	-34.1				
5.20	-65.2	V	3.0	-12.1	34.2	1.0	-45.3	-13.0	-32.3				
6.93	-67.4	V	3.0	-11.9	33.9	1.0	-44.8	-13.0	-31.8				
High Channel (1752.4MHz)													
3.51	-64.2	H	3.0	-15.1	34.5	1.0	-48.7	-13.0	-35.7				
5.26	-66.8	H	3.0	-13.9	34.2	1.0	-47.4	-13.0	-34.0				
7.01	-67.1	H	3.0	-12.9	34.2	1.0	-45.4	-13.0	-32.4				
3.51	-64.4	V	3.0	-15.2	34.5	1.0	-48.7	-13.0	-35.7				
5.26	-64.8	V	3.0	-13.5	34.2	1.0	-44.7	-13.0	-31.7				
7.01	-66.0	V	3.0	-10.4	33.9	1.0	-43.3	-13.0	-30.3				
Rev. 03.19.15													
WCDMA Band 4 Rel 99													
High Frequency Substitution Measurement UL Fremont Radiated Chamber													
Company: Project #: Date: Test Engineer: Configuration: Mode:		031918 36648 EUT Only HSDPA 850MHz		High Frequency Substitution Measurement UL Fremont Radiated Chamber									
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber			Pre-amplifier			Filter		Limit					
3m Chamber F			3m Chamber F			Filter		EIRP					
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes			
Low Channel (1752.4MHz)													
3.51	-66.0	H	3.0	-18.3	34.5	1.0	-42.2	34.1	1.0	-54.8	-13.0	-41.8	
5.26	-66.4	H	3.0	-18.8	34.7	1.0	-42.0	34.4	1.0	-51.6	-13.0	-39.4	
7.01	-67.1	H	3.0	-18.1	34.5	1.0	-42.3	34.2	1.0	-52.4	-13.0	-42.6	
3.51	-66.3	V											

## 9.3. FIELD STRENGTH OF SPURIOUS RADIATION (Ant 3)

### 9.3.1. GSM

High Frequency Substitution Measurement UL Fremont Radiated Chamber										
Company: Project #: 03/2018 Date: 36648 Test Engineer: EUT + charger Configuration: GPRS 1900MHz Mode:		High Frequency Substitution Measurement UL Fremont Radiated Chamber								
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable								
Chamber	Pre-amplifier	Filter	Limit	3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes
Low Channel (1850.0MHz)										
3.70	-47.6	H	3.0	-17.9	34.4	1.0	-51.3	-13.0	-38.3	
5.55	-48.2	H	3.0	-14.8	34.1	1.0	-47.9	-13.0	-34.9	
7.40	-70.5	H	3.0	-14.2	33.6	1.0	-46.8	-13.0	-33.8	
3.70	-45.1	H	3.0	-17.4	34.4	1.0	-50.7	-13.0	-35.0	
5.55	-48.2	V	3.0	-14.6	34.1	1.0	-47.7	-13.0	-34.7	
7.40	-70.3	V	3.0	-14.2	33.6	1.0	-46.8	-13.0	-33.8	
Mid Channel (1880.0)										
3.76	-66.9	H	3.0	-16.9	34.4	1.0	-50.3	-13.0	-37.3	
5.64	-68.8	H	3.0	-14.8	34.1	1.0	-47.9	-13.0	-34.8	
7.52	-69.4	H	3.0	-13.0	33.5	1.0	-45.5	-13.0	-32.5	
3.76	-66.4	V	3.0	-16.3	34.4	1.0	-49.8	-13.0	-36.8	
5.64	-69.0	V	3.0	-15.2	34.1	1.0	-48.3	-13.0	-35.3	
7.52	-69.5	V	3.0	-15.2	33.5	1.0	-46.8	-13.0	-34.8	
High Channel (1909.8MHz)										
3.76	-45.4	H	3.0	-15.2	34.4	1.0	-48.6	-13.0	-35.8	
5.73	-49.3	H	3.0	-15.6	34.1	1.0	-48.7	-13.0	-35.7	
7.54	-69.8	H	3.0	-15.2	33.5	1.0	-45.8	-13.0	-32.8	
3.82	-46.1	V	3.0	-15.0	34.4	1.0	-49.1	-13.0	-36.1	
5.73	-48.6	V	3.0	-14.7	34.1	1.0	-47.8	-13.0	-34.8	
7.54	-49.1	V	3.0	-11.8	33.5	1.0	-44.3	-13.0	-31.3	

Rev. 03.19.15

GSM 1900MHz GPRS

GSM 1900MHz EGPRS

### 9.3.2. WCDMA

High Frequency Substitution Measurement UL Fremont Radiated Chamber										
Company: Project #: 03/2018 Date: 36648 Test Engineer: EUT Only Configuration: REL 99, 1900MHz Mode:		High Frequency Substitution Measurement UL Fremont Radiated Chamber								
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable		Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable								
Chamber	Pre-amplifier	Filter	Limit	3m Chamber F	3m Chamber F	Filter	EIRP	3m Chamber F	3m Chamber F	Filter
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes
Low Channel (1852.0MHz)										
3.70	-66.7	H	3.0	-16.9	34.4	1.0	-50.4	-13.0	-37.4	
5.56	-69.2	H	3.0	-15.7	34.1	1.0	-48.8	-13.0	-35.8	
7.41	-68.7	H	3.0	-15.2	33.6	1.0	-46.6	-13.0	-33.0	
3.70	-65.5	V	3.0	-15.6	34.4	1.0	-49.0	-13.0	-36.0	
5.55	-68.7	V	3.0	-15.1	34.1	1.0	-48.2	-13.0	-35.2	
7.42	-70.3	V	3.0	-14.1	33.6	1.0	-46.7	-13.0	-33.7	
Mid Channel (1880.0MHz)										
3.76	-66.7	H	3.0	-16.7	34.4	1.0	-50.1	-13.0	-37.1	
5.64	-69.2	H	3.0	-15.7	34.1	1.0	-48.7	-13.0	-35.8	
7.52	-68.7	H	3.0	-15.7	33.6	1.0	-44.9	-13.0	-31.9	
3.76	-66.3	V	3.0	-16.3	34.4	1.0	-49.7	-13.0	-36.7	
5.64	-68.7	V	3.0	-15.0	34.1	1.0	-48.1	-13.0	-35.1	
7.52	-70.6	V	3.0	-14.3	33.5	1.0	-46.5	-13.0	-33.9	
High Channel (1907.6MHz)										
3.76	-66.7	H	3.0	-16.7	34.4	1.0	-50.1	-13.0	-37.1	
5.72	-68.3	H	3.0	-16.4	34.1	1.0	-47.9	-13.0	-34.9	
7.52	-68.9	H	3.0	-12.4	33.5	1.0	-44.9	-13.0	-31.9	
3.76	-66.3	V	3.0	-16.3	34.4	1.0	-49.7	-13.0	-36.7	
5.64	-68.7	V	3.0	-15.0	34.1	1.0	-48.1	-13.0	-35.1	
7.52	-70.6	V	3.0	-14.3	33.5	1.0	-46.5	-13.0	-33.9	

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WCDMA Band 2 Rel 99

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WCDMA Band 2 HSDPA

High Frequency Substitution Measurement UL Fremont Radiated Chamber										
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable										
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber F		3m Chamber F		Filter		EIRP			EIRP	
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes
Low Channel (1712.4MHz)										
3.42	-67.0	H	3.0	-18.3	34.6	1.0	-51.9	-13.0	-38.9	
5.14	-69.5	H	3.0	-19.8	34.2	1.0	-49.9	-13.0	-36.9	
6.05	-68.3	H	3.0	-12.8	33.9	1.0	-45.7	-13.0	-32.7	
3.42	-69.7	V	3.0	-20.8	34.6	1.0	-54.3	-13.0	-41.3	
5.14	-68.1	V	3.0	-15.0	34.2	1.0	-48.2	-13.0	-35.2	
6.05	-69.2	V	3.0	-12.8	33.9	1.0	-46.8	-13.0	-33.8	
Mid Channel (1732.4MHz)										
3.42	-67.0	H	3.0	-10.9	34.6	1.0	-52.6	-13.0	-39.6	
5.20	-66.9	H	3.0	-14.0	34.2	1.0	-47.2	-13.0	-34.2	
6.93	-68.6	H	3.0	-13.0	33.9	1.0	-45.9	-13.0	-32.9	
3.42	-68.3	V	3.0	-20.5	34.6	1.0	-53.1	-13.0	-40.8	
5.20	-68.7	V	3.0	-15.5	34.2	1.0	-48.7	-13.0	-35.7	
6.93	-69.0	V	3.0	-14.5	33.9	1.0	-47.4	-13.0	-34.4	
High Channel (1752.6MHz)										
3.51	-69.8	H	3.0	-20.8	34.5	1.0	-54.3	-13.0	-41.3	
5.26	-69.3	H	3.0	-14.2	34.2	1.0	-48.5	-13.0	-35.5	
7.01	-69.9	H	3.0	-14.1	33.9	1.0	-47.0	-13.0	-34.0	
3.51	-69.0	V	3.0	-19.8	34.5	1.0	-53.3	-13.0	-40.3	
5.26	-69.3	V	3.0	-16.0	34.2	1.0	-49.2	-13.0	-36.2	
7.01	-69.4	V	3.0	-13.8	33.9	1.0	-46.7	-13.0	-33.7	

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WCDMA Band 4 Rel 99

High Frequency Substitution Measurement UL Fremont Radiated Chamber										
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable										
Chamber		Pre-amplifier		Filter		Limit				
3m Chamber F		3m Chamber F		Filter		EIRP			EIRP	
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes
Low Channel (1712.4MHz)										
3.42	-68.0	H	3.0	-19.3	34.6	1.0	-52.9	-13.0	-39.9	
5.14	-67.5	H	3.0	-14.7	34.2	1.0	-47.4	-13.0	-34.9	
6.05	-68.2	H	3.0	-11.1	33.9	1.0	-46.1	-13.0	-33.1	
3.42	-68.4	V	3.0	-19.5	34.6	1.0	-53.1	-13.0	-40.1	
5.14	-68.4	V	3.0	-15.4	34.2	1.0	-48.6	-13.0	-35.6	
6.05	-68.4	V	3.0	-14.6	33.9	1.0	-47.0	-13.0	-34.0	
Mid Channel (1732.4MHz)										
3.47	-68.3	H	3.0	-20.0	34.6	1.0	-53.5	-13.0	-40.5	
5.20	-67.8	H	3.0	-14.9	34.2	1.0	-48.1	-13.0	-35.1	
6.93	-69.9	H	3.0	-14.2	33.9	1.0	-47.1	-13.0	-34.1	
3.47	-68.3	V	3.0	-20.3	34.6	1.0	-53.7	-13.0	-40.7	
5.20	-69.3	V	3.0	-16.2	34.2	1.0	-49.3	-13.0	-36.3	
6.93	-69.8	V	3.0	-14.3	33.9	1.0	-47.3	-13.0	-34.3	
High Channel (1752.6MHz)										
3.51	-68.4	H	3.0	-19.1	34.5	1.0	-53.3	-13.0	-40.3	
5.26	-68.4	H	3.0	-16.2	34.2	1.0	-49.3	-13.0	-35.3	
7.01	-69.4	H	3.0	-13.6	33.9	1.0	-46.6	-13.0	-33.6	
3.51	-68.5	V	3.0	-19.3	34.5	1.0	-52.8	-13.0	-39.8	
5.26	-69.2	V	3.0	-15.8	34.2	1.0	-48.0	-13.0	-35.2	
7.01	-70.4	V	3.0	-14.8	33.9	1.0	-47.8	-13.0	-34.8	

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WCDMA Band 4 HSDPA

## 9.4. FIELD STRENGTH OF SPURIOUS RADIATION (Ant 4)

### 9.4.1. GSM

High Frequency Substitution Measurement UL Fremont Radiated Chamber											
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber		Pre-amplifier		Filter		Limit					
3m Chamber F		3m Chamber F		Filter		EIRP				EIRP	
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes
Low Channel (1850.0MHz)											
3.70	-66.7	H	3.0	-16.9	34.4	1.0	-50.4	-13.0	-37.4		
5.55	-65.5	H	3.0	-12.1	34.1	1.0	-45.2	-13.0	-32.2		
7.40	-69.9	H	3.0	-13.6	33.6	1.0	-46.2	-13.0	-32.2		
3.70	-66.7	H	3.0	-16.9	34.4	1.0	-50.4	-13.0	-37.4		
5.55	-64.6	V	3.0	-11.0	34.1	1.0	-44.1	-13.0	-31.1		
7.40	-70.2	V	3.0	-14.1	33.6	1.0	-46.7	-13.0	-33.7		
Mid Channel (1880.0)											
3.76	-66.3	H	3.0	-16.3	34.4	1.0	-49.7	-13.0	-36.7		
5.64	-66.1	H	3.0	-12.9	34.1	1.0	-41.6	-13.0	-32.6		
7.52	-69.1	H	3.0	-13.7	33.5	1.0	-45.1	-13.0	-32.1		
3.76	-66.8	V	3.0	-16.7	34.4	1.0	-50.1	-13.0	-37.1		
5.64	-64.8	V	3.0	-11.1	34.1	1.0	-44.2	-13.0	-31.2		
7.52	-69.2	V	3.0	-12.9	33.5	1.0	-45.4	-13.0	-32.4		
High Channel (1909.8MHz)											
3.76	-66.3	H	3.0	-16.3	34.4	1.0	-49.7	-13.0	-36.7		
5.73	-63.8	H	3.0	-10.1	34.1	1.0	-43.2	-13.0	-30.2		
7.54	-68.8	H	3.0	-12.3	33.5	1.0	-44.8	-13.0	-31.8		
3.82	-67.2	V	3.0	-16.9	34.4	1.0	-50.3	-13.0	-37.3		
5.73	-68.7	V	3.0	-12.3	34.1	1.0	-45.9	-13.0	-32.3		
7.54	-69.7	V	3.0	-12.4	33.5	1.0	-44.9	-13.0	-31.9		

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High Frequency Substitution Measurement UL Fremont Radiated Chamber											
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber		Pre-amplifier		Filter		Limit					
3m Chamber F		3m Chamber F		Filter		EIRP				EIRP	
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes
Low Channel (1850.0MHz)											
3.70	-66.8	H	3.0	-17.1	34.4	1.0	-50.5	-13.0	-37.5		
5.55	-69.7	H	3.0	-16.3	34.1	1.0	-49.4	-13.0	-36.4		
7.41	-66.5	H	3.0	-16.8	33.6	1.0	-49.6	-13.0	-33.8		
3.70	-66.3	V	3.0	-16.4	34.4	1.0	-49.8	-13.0	-34.8		
5.55	-67.8	V	3.0	-14.1	34.1	1.0	-47.3	-13.0	-34.3		
7.41	-70.4	V	3.0	-14.2	33.6	1.0	-46.8	-13.0	-33.8		
Mid Channel (1880.0)											
3.76	-66.3	H	3.0	-16.3	34.4	1.0	-49.7	-13.0	-36.7		
5.73	-67.7	H	3.0	-13.0	34.1	1.0	-41.0	-13.0	-34.1		
7.52	-70.1	H	3.0	-13.0	33.5	1.0	-46.1	-13.0	-33.1		
3.82	-66.3	V	3.0	-16.3	34.4	1.0	-46.0	-13.0	-36.4		
5.73	-64.4	V	3.0	-10.5	34.1	1.0	-40.5	-13.0	-34.6		
7.54	-68.3	V	3.0	-12.0	33.5	1.0	-44.5	-13.0	-31.5		
High Channel (1909.8MHz)											
3.82	-66.3	H	3.0	-16.3	34.4	1.0	-49.5	-13.0	-36.5		
5.73	-67.7	H	3.0	-14.0	34.1	1.0	-47.1	-13.0	-34.1		
7.52	-70.1	H	3.0	-13.0	33.5	1.0	-46.1	-13.0	-33.1		
3.82	-67.2	V	3.0	-16.9	34.4	1.0	-48.9	-13.0	-36.4		
5.73	-64.4	V	3.0	-10.5	34.1	1.0	-43.6	-13.0	-36.6		
7.54	-68.3	V	3.0	-12.0	33.5	1.0	-44.5	-13.0	-31.5		

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GSM 1900MHz GPRS

GSM 1900MHz EGPRS

### 9.4.2. WCDMA

High Frequency Substitution Measurement UL Fremont Radiated Chamber											
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber		Pre-amplifier		Filter		Limit					
3m Chamber F		3m Chamber F		Filter		EIRP				EIRP	
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes
Low Channel (1852.4MHz)											
3.70	-66.8	H	3.0	-17.1	34.4	1.0	-50.5	-13.0	-37.5		
5.55	-69.7	H	3.0	-16.3	34.1	1.0	-49.4	-13.0	-36.4		
7.41	-66.5	H	3.0	-16.8	33.6	1.0	-49.6	-13.0	-33.8		
3.70	-66.3	V	3.0	-16.4	34.4	1.0	-49.8	-13.0	-34.8		
5.55	-67.8	V	3.0	-14.1	34.1	1.0	-47.3	-13.0	-34.3		
7.41	-70.4	V	3.0	-14.2	33.6	1.0	-46.8	-13.0	-33.8		
Mid Channel (1880MHz)											
3.76	-66.5	H	3.0	-16.5	34.4	1.0	-49.7	-13.0	-36.9		
5.64	-68.8	H	3.0	-13.0	34.1	1.0	-43.0	-13.0	-33.0		
7.52	-69.9	H	3.0	-13.5	33.5	1.0	-46.0	-13.0	-33.0		
3.76	-67.4	V	3.0	-17.4	34.4	1.0	-50.8	-13.0	-37.8		
5.64	-68.7	V	3.0	-15.0	34.1	1.0	-48.1	-13.0	-35.1		
7.52	-70.3	V	3.0	-14.0	33.5	1.0	-46.5	-13.0	-33.0		
High Channel (1907.6MHz)											
3.82	-66.5	H	3.0	-16.3	34.4	1.0	-49.7	-13.0	-36.7		
5.72	-69.4	H	3.0	-12.8	33.4	1.0	-45.3	-13.0	-32.3		
7.63	-69.4	H	3.0	-12.8	33.4	1.0	-45.3	-13.0	-32.3		
3.82	-65.8	V	3.0	-16.3	34.4	1.0	-48.1	-13.0	-35.1		
5.72	-69.8	V	3.0	-14.0	34.1	1.0	-47.1	-13.0	-34.1		
7.63	-69.2	V	3.0	-12.7	33.4	1.0	-45.2	-13.0	-32.2		

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High Frequency Substitution Measurement UL Fremont Radiated Chamber											
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable											
Chamber		Pre-amplifier		Filter		Limit					
3m Chamber F		3m Chamber F		Filter		EIRP				EIRP	
Frequency (GHz)	SA reading (dBm)	Ant. Pol. (H/V)	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta		Notes
Low Channel (1852.4MHz)											
3.70	-65.9	H	3.0	-16.2	34.4	1.0	-48.6	-13.0	-36.6		
5.56	-69.3	H	3.0	-15.9	34.1	1.0	-49.0	-13.0	-36.0		
7.41	-67.7	H	3.0	-13.3	33.5	1.0	-45.2	-13.0	-32.9		
3.70	-65.9	V	3.0	-16.1	34.4	1.0	-49.5	-13.0	-36.5		
5.56	-69.3	V	3.0	-15.7	34.1	1.0	-48.8	-13.0	-35.8		
7.41	-69.5	V	3.0	-13.3	33.6	1.0	-45.9	-13.0	-32.9		
Mid Channel (1880MHz)											
3.76	-65.3	H	3.0	-15.3	34.4	1.0	-48.7	-13.0	-35.7		
5.64	-68.4	H	3.0	-14.9	34.1	1.0	-48.0	-13.0	-34.0		
7.52	-69.1	H	3.0	-12.6	33.5	1.0	-45.1	-13.0	-32.1		
3.76	-66.4	V	3.0	-16.4	34.4	1.0	-49.8	-13.0	-36.8		
5.64	-69.9	V	3.0	-16.1	34.1	1.0	-49.3	-13.0	-36.3		
7.52	-70.0	V	3.0	-15.7	33.5	1.0	-46.2	-13.0	-33.2		
High Channel (1907.6MHz)											
3.82	-65.1	H	3.0	-15.9	34.4	1.0	-49.3	-13.0	-36.3		
5.72	-68.8	H	3.0	-15.1	34.1	1.0	-48.2	-13.0	-35.2		
7.63	-68.2	H	3.0	-11.6	33.4	1.0	-44.1	-13.0	-31.1		
3.82	-65.2	V	3.0	-15.9	34.4	1.0	-49.0	-13.0	-36.3		
5.72	-69.7	V	3.0	-15.9	34.1	1.0	-48.8	-13.0	-36.0		
7.63	-69.7	V	3.0	-13.3	33.4	1.0	-45.7	-13.0	-32.7		

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WCDMA Band 2 Rel 99

WCDMA Band 2 HSDPA

High Frequency Substitution Measurement UL Fremont Radiated Chamber											
Company: Project #: Date: 03/21/18 Test Engineer: 36648 Configuration: EUT only Mode: REL 99, 1700MHz											
Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable					Test Equipment: Substitution: Horn T59 Substitution, and 8ft SMA Cable						
Chamber		Pre-amplifier		Filter		Limit					
3m Chamber F		3m Chamber F		Filter		EIRP					
Frequency	SA reading	Ant. Pol.	Distance	EIRP @ TX Ant End (dBm)	Preamp	Attenuator	EIRP	Limit	Delta	Notes	
Low Channel (1712.6MHz)										Rev. 03.19.15	
3.42	-68.2	H	3.0	-19.5	34.6	1.0	-53.1	-13.0	-40.1		
5.14	-67.3	H	3.0	-14.5	34.2	1.0	-47.7	-13.0	-34.7		
6.85	-70.1	H	3.0	-14.6	33.9	1.0	-47.5	-13.0	-34.5		
3.42	-67.7	V	3.0	-14.5	34.6	1.0	-52.4	-13.0	-39.4		
5.14	-67.2	V	3.0	-14.1	34.2	1.0	-47.3	-13.0	-34.3		
6.85	-69.3	V	3.0	-13.9	33.9	1.0	-46.9	-13.0	-33.9		
Mid Channel (1732.6MHz)											
3.47	-67.9	H	3.0	-19.0	34.6	1.0	-52.6	-13.0	-39.6	Rev. 03.19.15	
5.20	-67.9	H	3.0	-15.0	34.2	1.0	-48.3	-13.0	-35.7		
6.82	-68.1	H	3.0	-15.0	32.9	1.0	-45.1	-13.0	-32.1		
3.47	-68.5	V	3.0	-19.4	34.6	1.0	-53.0	-13.0	-40.0		
5.20	-67.8	V	3.0	-14.6	34.2	1.0	-47.8	-13.0	-34.8		
6.93	-70.2	V	3.0	-14.8	33.9	1.0	-47.7	-13.0	-34.7		
High Channel (1752.6MHz)											
3.51	-67.8	H	3.0	-18.8	34.5	1.0	-52.4	-13.0	-39.4	Rev. 03.19.15	
5.26	-68.0	H	3.0	-15.1	34.2	1.0	-48.2	-13.0	-35.2		
7.01	-68.2	H	3.0	-12.4	33.9	1.0	-45.3	-13.0	-32.3		
3.51	-68.3	V	3.0	-19.1	34.5	1.0	-52.6	-13.0	-39.6		
5.26	-68.3	V	3.0	-14.5	34.2	1.0	-48.2	-13.0	-35.2		
7.01	-68.8	V	3.0	-13.2	33.9	1.0	-46.1	-13.0	-33.1		
WCDMA Band 4 Rel 99											
WCDMA Band 4 HSDPA											

## END OF REPORT

## 10. SETUP PHOTOS

Please refer to 12204475-EP1V1 for setup photos