

WCDMA Band 2

		UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement							
		Company:	Samsung						
		Project #:	4788725709						
		Date:	2018-12-05						
		Test Engineer:	47989						
		Configuration:	EUT / AC Adapter / Earphone, X-Position						
		Location:	Chamber 1						
		Mode:	Rel99 Band 2 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, 1852.4MHz									
3704.80	-10.7	V	3.0	43.8	1.0	-53.5	-13.0	-40.5	
5557.20	-7.6	V	3.0	43.7	1.0	-50.3	-13.0	-37.3	
7409.60	-5.0	V	3.0	42.5	1.0	-46.5	-13.0	-33.5	
3704.80	-10.5	H	3.0	43.8	1.0	-53.3	-13.0	-40.3	
5557.20	-7.6	H	3.0	43.7	1.0	-50.3	-13.0	-37.3	
7409.60	-5.0	H	3.0	42.5	1.0	-46.5	-13.0	-33.5	
Mid Ch, 1880MHz									
3760.00	-10.4	V	3.0	43.8	1.0	-53.2	-13.0	-40.2	
5640.00	-7.5	V	3.0	43.7	1.0	-50.2	-13.0	-37.2	
7520.00	-4.7	V	3.0	42.5	1.0	-46.2	-13.0	-33.2	
3760.00	-10.2	H	3.0	43.8	1.0	-53.0	-13.0	-40.0	
5640.00	-7.5	H	3.0	43.7	1.0	-50.2	-13.0	-37.2	
7520.00	-5.0	H	3.0	42.5	1.0	-46.4	-13.0	-33.4	
High Ch, 1907.6MHz									
3815.20	-9.9	V	3.0	43.8	1.0	-52.7	-13.0	-39.7	
5722.80	-7.1	V	3.0	43.7	1.0	-49.8	-13.0	-36.8	
7630.40	-5.1	V	3.0	42.4	1.0	-46.5	-13.0	-33.5	
3815.20	-10.1	H	3.0	43.8	1.0	-53.0	-13.0	-40.0	
5722.80	-7.5	H	3.0	43.7	1.0	-50.2	-13.0	-37.2	
7630.40	-5.0	H	3.0	42.4	1.0	-46.4	-13.0	-33.4	
		UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement							
		Company:	Samsung						
		Project #:	4788725709						
		Date:	2018-12-05						
		Test Engineer:	47989						
		Configuration:	EUT / AC Adapter / Earphone, X-Position						
		Location:	Chamber 1						
		Mode:	HSDPA Band 2 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, 1852.4MHz									
3704.80	-10.5	V	3.0	43.8	1.0	-53.3	-13.0	-40.3	
5557.20	-7.1	V	3.0	43.7	1.0	-49.8	-13.0	-36.8	
7409.60	-4.9	V	3.0	42.5	1.0	-46.4	-13.0	-33.4	
3704.80	-10.4	H	3.0	43.8	1.0	-53.2	-13.0	-40.2	
5557.20	-7.2	H	3.0	43.7	1.0	-50.0	-13.0	-37.0	
7409.60	-5.1	H	3.0	42.5	1.0	-46.7	-13.0	-33.7	
Mid Ch, 1880MHz									
3760.00	-10.3	V	3.0	43.8	1.0	-53.1	-13.0	-40.1	
5640.00	-7.5	V	3.0	43.7	1.0	-50.2	-13.0	-37.2	
7520.00	-5.0	V	3.0	42.5	1.0	-46.5	-13.0	-33.5	
3760.00	-10.1	H	3.0	43.8	1.0	-52.8	-13.0	-39.8	
5640.00	-7.5	H	3.0	43.7	1.0	-50.2	-13.0	-37.2	
7520.00	-4.8	H	3.0	42.5	1.0	-46.3	-13.0	-33.3	
High Ch, 1907.6MHz									
3815.20	-10.3	V	3.0	43.8	1.0	-53.1	-13.0	-40.1	
5722.80	-7.4	V	3.0	43.7	1.0	-50.1	-13.0	-37.1	
7630.40	-5.0	V	3.0	42.4	1.0	-46.4	-13.0	-33.4	
3815.20	-10.0	H	3.0	43.8	1.0	-52.8	-13.0	-39.8	
5722.80	-7.4	H	3.0	43.7	1.0	-50.1	-13.0	-37.1	
7630.40	-4.8	H	3.0	42.4	1.0	-46.2	-13.0	-33.2	

LTE Band 5

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4788725709							
Date:		2018-11-25							
Test Engineer:		47989							
Configuration:		EUT / AC Adapter / Earphone, Z-Position							
Location:		Chamber 1							
Mode:		LTE_QPSK Band 5 Harmonics, 10MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 829MHz									
1658.00	-7.9	V	3.0	43.6	1.0	-50.5	-13.0	-37.5	
2487.00	-12.6	V	3.0	43.4	1.0	-55.0	-13.0	-42.0	
3316.00	-10.6	V	3.0	43.6	1.0	-53.2	-13.0	-40.2	
4145.00	-10.7	V	3.0	43.9	1.0	-53.5	-13.0	-40.5	
4974.00	-9.2	V	3.0	43.8	1.0	-52.0	-13.0	-39.0	
1658.00	-9.2	H	3.0	43.6	1.0	-51.8	-13.0	-38.8	
2487.00	-13.2	H	3.0	43.4	1.0	-55.7	-13.0	-42.7	
3316.00	-10.7	H	3.0	43.6	1.0	-53.3	-13.0	-40.3	
4145.00	-10.4	H	3.0	43.9	1.0	-53.3	-13.0	-40.3	
4974.00	-9.2	H	3.0	43.8	1.0	-51.9	-13.0	-38.9	
Mid Ch, 836.5MHz									
1673.00	-6.6	V	3.0	43.6	1.0	-49.1	-13.0	-36.1	
2509.50	-12.5	V	3.0	43.4	1.0	-54.9	-13.0	-41.9	
3346.00	-10.6	V	3.0	43.6	1.0	-53.2	-13.0	-40.2	
4182.50	-10.5	V	3.0	43.9	1.0	-53.4	-13.0	-40.4	
5019.00	-9.2	V	3.0	43.8	1.0	-52.0	-13.0	-39.0	
1673.00	-6.6	H	3.0	43.6	1.0	-49.2	-13.0	-36.2	
2509.50	-13.1	H	3.0	43.4	1.0	-55.5	-13.0	-42.5	
3346.00	-10.8	H	3.0	43.6	1.0	-53.4	-13.0	-40.4	
4182.50	-10.3	H	3.0	43.9	1.0	-53.1	-13.0	-40.1	
5019.00	-9.2	H	3.0	43.8	1.0	-52.0	-13.0	-39.0	
High Ch, 844MHz									
1688.00	-3.8	V	3.0	43.6	1.0	-46.3	-13.0	-33.3	
2532.00	-12.5	V	3.0	43.4	1.0	-54.9	-13.0	-41.9	
3376.00	-10.1	V	3.0	43.7	1.0	-52.7	-13.0	-39.7	
4220.00	-10.5	V	3.0	43.9	1.0	-53.3	-13.0	-40.3	
5064.00	-9.0	V	3.0	43.8	1.0	-51.8	-13.0	-38.8	
1688.00	-3.9	H	3.0	43.6	1.0	-46.5	-13.0	-33.5	
2532.00	-13.1	H	3.0	43.4	1.0	-55.5	-13.0	-42.5	
3376.00	-10.1	H	3.0	43.7	1.0	-52.8	-13.0	-39.8	
4220.00	-10.2	H	3.0	43.9	1.0	-53.0	-13.0	-40.0	
5064.00	-8.9	H	3.0	43.8	1.0	-51.7	-13.0	-38.7	

LTE
 Band 5
 10MHz
 QPSK

LTE Band 12

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4788725709							
Date:		2018-11-21							
Test Engineer:		45585							
Configuration:		EUT / AC Adapter / Earphone, Z-Position							
Location:		Chamber 2							
Mode:		LTE_QPSK Band 12 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, 700.5MHz									
1401.00	-16.6	V	3.0	38.1	1.0	-53.7	-13.0	-40.7	
2101.50	-13.6	V	3.0	38.5	1.0	-51.1	-13.0	-38.1	
2802.00	-11.8	V	3.0	39.1	1.0	-49.9	-13.0	-36.9	
3502.50	-8.7	V	3.0	39.5	1.0	-47.2	-13.0	-34.2	
4203.00	-10.2	V	3.0	39.8	1.0	-49.0	-13.0	-36.0	
1401.00	-17.7	H	3.0	38.1	1.0	-54.8	-13.0	-41.8	
2101.50	-14.5	H	3.0	38.5	1.0	-52.0	-13.0	-39.0	
2802.00	-12.3	H	3.0	39.1	1.0	-50.3	-13.0	-37.3	
3502.50	-9.0	H	3.0	39.5	1.0	-47.5	-13.0	-34.5	
4203.00	-10.4	H	3.0	39.8	1.0	-49.3	-13.0	-36.3	
Mid Ch, 707.5MHz									
1415.00	-16.5	V	3.0	38.1	1.0	-53.6	-13.0	-40.6	
2122.50	-13.7	V	3.0	38.5	1.0	-51.2	-13.0	-38.2	
2830.00	-11.8	V	3.0	39.1	1.0	-49.9	-13.0	-36.9	
3537.50	-8.7	V	3.0	39.6	1.0	-47.3	-13.0	-34.3	
4245.00	-10.3	V	3.0	39.8	1.0	-49.1	-13.0	-36.1	
1415.00	-17.6	H	3.0	38.1	1.0	-54.7	-13.0	-41.7	
2122.50	-14.5	H	3.0	38.5	1.0	-52.0	-13.0	-39.0	
2830.00	-12.2	H	3.0	39.1	1.0	-50.3	-13.0	-37.3	
3537.50	-9.0	H	3.0	39.6	1.0	-47.5	-13.0	-34.5	
4245.00	-10.6	H	3.0	39.8	1.0	-49.4	-13.0	-36.4	
High Ch, 714.5MHz									
1429.00	-16.3	V	3.0	38.1	1.0	-53.4	-13.0	-40.4	
2143.50	-13.5	V	3.0	38.5	1.0	-51.0	-13.0	-38.0	
2858.00	-11.5	V	3.0	39.1	1.0	-49.6	-13.0	-36.6	
3572.50	-8.1	V	3.0	39.6	1.0	-46.7	-13.0	-33.7	
4287.00	-9.9	V	3.0	39.8	1.0	-48.7	-13.0	-35.7	
1429.00	-17.4	H	3.0	38.1	1.0	-54.6	-13.0	-41.6	
2143.50	-14.2	H	3.0	38.5	1.0	-51.7	-13.0	-38.7	
2858.00	-11.9	H	3.0	39.1	1.0	-50.0	-13.0	-37.0	
3572.50	-8.4	H	3.0	39.6	1.0	-47.0	-13.0	-34.0	
4287.00	-10.2	H	3.0	39.8	1.0	-49.0	-13.0	-36.0	

LTE
 Band 12
 3MHz
 QPSK

LTE Band 13

LTE Band 13 5MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement																																																																																									
	Company: Samsung																																																																																									
	Project #: 4788725709																																																																																									
	Date: 2018-12-05																																																																																									
	Test Engineer: 47989																																																																																									
	Configuration: EUT / AC Adapter / Earphone, Y-Position																																																																																									
	Location: Chamber 1																																																																																									
	Mode: LTE_QPSK Band 13 Harmonics, 10MHz Bandwidth																																																																																									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">f MHz</th> <th style="width: 10%;">SG reading (dBm)</th> <th style="width: 10%;">Ant. Pol. (H/V)</th> <th style="width: 10%;">Distance (m)</th> <th style="width: 10%;">Preamp (dB)</th> <th style="width: 10%;">Filter (dB)</th> <th style="width: 10%;">EIRP (dBm)</th> <th style="width: 10%;">Limit (dBm)</th> <th style="width: 10%;">Delta (dB)</th> <th style="width: 10%;">Notes</th> </tr> </thead> <tbody> <tr> <td colspan="10"><i>Mid Ch, 782MHz</i></td> </tr> <tr> <td>1564.00</td> <td>-20.5</td> <td>V</td> <td>3.0</td> <td>43.7</td> <td>1.0</td> <td>-63.1</td> <td>-40.0</td> <td>-23.1</td> <td></td> </tr> <tr> <td>2346.00</td> <td>-12.4</td> <td>V</td> <td>3.0</td> <td>43.4</td> <td>1.0</td> <td>-54.8</td> <td>-13.0</td> <td>-41.8</td> <td></td> </tr> <tr> <td>3128.00</td> <td>-10.5</td> <td>V</td> <td>3.0</td> <td>43.6</td> <td>1.0</td> <td>-53.1</td> <td>-13.0</td> <td>-40.1</td> <td></td> </tr> <tr> <td>1564.00</td> <td>-19.6</td> <td>H</td> <td>3.0</td> <td>43.7</td> <td>1.0</td> <td>-62.2</td> <td>-40.0</td> <td>-22.2</td> <td></td> </tr> <tr> <td>2346.00</td> <td>-13.2</td> <td>H</td> <td>3.0</td> <td>43.4</td> <td>1.0</td> <td>-55.6</td> <td>-13.0</td> <td>-42.6</td> <td></td> </tr> <tr> <td>3128.00</td> <td>-10.5</td> <td>H</td> <td>3.0</td> <td>43.6</td> <td>1.0</td> <td>-53.1</td> <td>-13.0</td> <td>-40.1</td> <td></td> </tr> </tbody> </table>										f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	<i>Mid Ch, 782MHz</i>										1564.00	-20.5	V	3.0	43.7	1.0	-63.1	-40.0	-23.1		2346.00	-12.4	V	3.0	43.4	1.0	-54.8	-13.0	-41.8		3128.00	-10.5	V	3.0	43.6	1.0	-53.1	-13.0	-40.1		1564.00	-19.6	H	3.0	43.7	1.0	-62.2	-40.0	-22.2		2346.00	-13.2	H	3.0	43.4	1.0	-55.6	-13.0	-42.6		3128.00	-10.5	H	3.0	43.6	1.0	-53.1	-13.0	-40.1	
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3128.00	-10.5	H	3.0	43.6	1.0	-53.1	-13.0	-40.1																																																																																		

LTE Band 25

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement											
LTE Band 25 3MHz QPSK		Company: Samsung Project #: 4788725709 Date: 2018-11-19 Test Engineer: 45585 Configuration: EUT / AC Adapter / Earphone, Y-Position Location: Chamber 2 Mode: LTE_QPSK Band 25 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, 1851.5MHz									
		3703.00	-11.4	V	3.0	39.7	1.0	-50.1	-13.0	-37.1	
		5554.50	-8.3	V	3.0	39.9	1.0	-47.2	-13.0	-34.2	
		7406.00	-6.3	V	3.0	39.4	1.0	-44.7	-13.0	-31.7	
		3703.00	-11.6	H	3.0	39.7	1.0	-50.3	-13.0	-37.3	
		5554.50	-8.7	H	3.0	39.9	1.0	-47.6	-13.0	-34.6	
		7406.00	-7.1	H	3.0	39.4	1.0	-45.6	-13.0	-32.6	
		Mid Ch, 1882.5MHz									
3765.00	-11.1	V	3.0	39.7	1.0	-49.8	-13.0	-36.8			
5647.50	-8.1	V	3.0	40.0	1.0	-47.0	-13.0	-34.0			
7530.00	-6.3	V	3.0	39.4	1.0	-44.7	-13.0	-31.7			
3765.00	-11.3	H	3.0	39.7	1.0	-50.0	-13.0	-37.0			
5647.50	-8.3	H	3.0	40.0	1.0	-47.3	-13.0	-34.3			
7530.00	-7.1	H	3.0	39.4	1.0	-45.5	-13.0	-32.5			
High Ch, 1913.5MHz											
3827.00	-11.0	V	3.0	39.7	1.0	-49.7	-13.0	-36.7			
5740.50	-8.2	V	3.0	40.0	1.0	-47.2	-13.0	-34.2			
7654.00	-6.4	V	3.0	39.3	1.0	-44.7	-13.0	-31.7			
3827.00	-11.3	H	3.0	39.7	1.0	-50.0	-13.0	-37.0			
5740.50	-8.5	H	3.0	40.0	1.0	-47.5	-13.0	-34.5			
7654.00	-7.1	H	3.0	39.3	1.0	-45.4	-13.0	-32.4			

LTE Band 26

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4788725709							
Date:		2018-12-11							
Test Engineer:		45585							
Configuration:		EUT / AC Adapter / Earphone							
Location:		Chamber 2							
Mode:		LTE_QPSK Band 26 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, 816.5MHz									
1633.00	-7.3	V	3.0	38.2	1.0	-44.5	-13.0	-31.5	
2449.50	-12.5	V	3.0	38.8	1.0	-50.3	-13.0	-37.3	
3266.00	-10.4	V	3.0	39.4	1.0	-48.8	-13.0	-35.8	
4082.50	-10.5	V	3.0	39.8	1.0	-49.3	-13.0	-36.3	
4899.00	-8.8	V	3.0	39.8	1.0	-47.6	-13.0	-34.6	
1633.00	-7.1	H	3.0	38.2	1.0	-44.3	-13.0	-31.3	
2449.50	-13.2	H	3.0	38.8	1.0	-51.0	-13.0	-38.0	
3266.00	-10.5	H	3.0	39.4	1.0	-48.9	-13.0	-35.9	
4082.50	-10.9	H	3.0	39.8	1.0	-49.7	-13.0	-36.7	
4899.00	-9.4	H	3.0	39.8	1.0	-48.2	-13.0	-35.2	
Mid Ch, 831.5MHz									
1663.00	-7.9	V	3.0	38.2	1.0	-45.1	-13.0	-32.1	
2494.50	-12.5	V	3.0	38.8	1.0	-50.3	-13.0	-37.3	
3326.00	-9.7	V	3.0	39.4	1.0	-48.2	-13.0	-35.2	
4157.50	-10.0	V	3.0	39.8	1.0	-48.8	-13.0	-35.8	
4989.00	-8.9	V	3.0	39.8	1.0	-47.7	-13.0	-34.7	
1663.00	-6.0	H	3.0	38.2	1.0	-43.3	-13.0	-30.3	
2494.50	-13.1	H	3.0	38.8	1.0	-50.9	-13.0	-37.9	
3326.00	-10.1	H	3.0	39.4	1.0	-48.5	-13.0	-35.5	
4157.50	-10.4	H	3.0	39.8	1.0	-49.3	-13.0	-36.3	
4989.00	-9.5	H	3.0	39.8	1.0	-48.3	-13.0	-35.3	
High Ch, 846.5MHz									
1693.00	-5.7	V	3.0	38.2	1.0	-42.9	-13.0	-29.9	
2539.50	-12.3	V	3.0	38.9	1.0	-50.1	-13.0	-37.1	
3386.00	-9.5	V	3.0	39.5	1.0	-48.0	-13.0	-35.0	
4232.50	-10.1	V	3.0	39.8	1.0	-48.9	-13.0	-35.9	
5079.00	-8.8	V	3.0	39.8	1.0	-47.6	-13.0	-34.6	
1693.00	-3.9	H	3.0	38.2	1.0	-41.2	-13.0	-28.2	
2539.50	-13.0	H	3.0	38.9	1.0	-50.9	-13.0	-37.9	
3386.00	-9.8	H	3.0	39.5	1.0	-48.3	-13.0	-35.3	
4232.50	-10.3	H	3.0	39.8	1.0	-49.1	-13.0	-36.1	
5079.00	-9.3	H	3.0	39.8	1.0	-48.1	-13.0	-35.1	

LTE
 Band 26
 3MHz
 QPSK

LTE Band 41

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4788725709							
Date:		2018-12-04							
Test Engineer:		47989							
Configuration:		EUT / AC Adapter / Earphone, Z-Position							
Location:		Chamber 1							
Mode:		LTE_QPSK Band 41 Harmonics, 20MHz Bandwidth							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 2506MHz									
5012.00	-6.9	V	3.0	43.8	1.0	-49.7	-25.0	-24.7	
7518.00	-13.4	V	3.0	42.5	1.0	-54.8	-25.0	-29.8	
10024.00	-2.3	V	3.0	40.6	1.0	-41.8	-25.0	-16.8	
12530.00	-11.3	V	3.0	41.6	1.0	-52.0	-25.0	-27.0	
5012.00	-15.4	H	3.0	43.8	1.0	-58.1	-25.0	-33.1	
7518.00	-11.1	H	3.0	42.5	1.0	-52.6	-25.0	-27.6	
10024.00	4.7	H	3.0	40.6	1.0	-34.8	-25.0	-9.8	
12530.00	-11.6	H	3.0	41.6	1.0	-52.2	-25.0	-27.2	
Mid Ch, 2593MHz									
5186.00	-5.6	V	3.0	43.8	1.0	-48.4	-25.0	-23.4	
7779.00	-11.1	V	3.0	42.3	1.0	-52.4	-25.0	-27.4	
10372.00	-4.7	V	3.0	40.7	1.0	-44.4	-25.0	-19.4	
12965.00	-12.3	V	3.0	42.0	1.0	-53.3	-25.0	-28.3	
5186.00	-15.5	H	3.0	43.8	1.0	-58.3	-25.0	-33.3	
7779.00	-16.6	H	3.0	42.3	1.0	-58.0	-25.0	-33.0	
10372.00	-2.6	H	3.0	40.7	1.0	-42.3	-25.0	-17.3	
12965.00	-11.5	H	3.0	42.0	1.0	-52.5	-25.0	-27.5	
High Ch, 2680MHz									
5360.00	-13.0	V	3.0	43.7	1.0	-55.8	-25.0	-30.8	
8040.00	-16.1	V	3.0	42.2	1.0	-57.3	-25.0	-32.3	
10720.00	-3.8	V	3.0	40.8	1.0	-43.6	-25.0	-18.6	
13400.00	-11.2	V	3.0	42.4	1.0	-52.6	-25.0	-27.6	
5360.00	-16.1	H	3.0	43.7	1.0	-58.8	-25.0	-33.8	
8040.00	-16.2	H	3.0	42.2	1.0	-57.4	-25.0	-32.4	
10720.00	-4.1	H	3.0	40.8	1.0	-43.8	-25.0	-18.8	
13400.00	-11.5	H	3.0	42.4	1.0	-52.9	-25.0	-27.9	

LTE
 Band 41
 15MHz
 QPSK

LTE Band 66

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement											
LTE Band 66 15MHz QPSK		Company: Samsung Project #: 4788725709 Date: 2018-12-04 Test Engineer: 45585 Configuration: EUT / AC Adapter / Earphone , X-Position Location: Chamber 2 Mode: LTE_QPSK Band 66 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, 1711.5MHz									
		3423.00	-9.3	V	3.0	39.5	1.0	-47.8	-13.0	-34.8	
		5134.50	-9.1	V	3.0	39.8	1.0	-47.9	-13.0	-34.9	
		6846.00	-6.2	V	3.0	39.7	1.0	-44.9	-13.0	-31.9	
		3423.00	-9.3	H	3.0	39.5	1.0	-47.8	-13.0	-34.8	
		5134.50	-9.6	H	3.0	39.8	1.0	-48.4	-13.0	-35.4	
		6846.00	-7.3	H	3.0	39.7	1.0	-46.0	-13.0	-33.0	
		Mid Ch, 1745MHz									
3490.00	-8.6	V	3.0	39.5	1.0	-47.2	-13.0	-34.2			
5235.00	-8.6	V	3.0	39.8	1.0	-47.5	-13.0	-34.5			
6980.00	-6.0	V	3.0	39.6	1.0	-44.6	-13.0	-31.6			
3490.00	-8.8	H	3.0	39.5	1.0	-47.4	-13.0	-34.4			
5235.00	-9.4	H	3.0	39.8	1.0	-48.2	-13.0	-35.2			
6980.00	-7.2	H	3.0	39.6	1.0	-45.9	-13.0	-32.9			
High Ch, 1778.5MHz											
3557.00	-8.2	V	3.0	39.6	1.0	-46.8	-13.0	-33.8			
5335.50	-8.5	V	3.0	39.9	1.0	-47.4	-13.0	-34.4			
7114.00	-6.1	V	3.0	39.6	1.0	-44.7	-13.0	-31.7			
3557.00	-8.2	H	3.0	39.6	1.0	-46.8	-13.0	-33.8			
5335.50	-8.8	H	3.0	39.9	1.0	-47.6	-13.0	-34.6			
7114.00	-7.0	H	3.0	39.6	1.0	-45.6	-13.0	-32.6			

LTE Band 2

LTE Band 2 (Frequency range: 1850-1910 MHz) is covered by LTE Band 25 (Frequency range: 1850-1915 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band 4

LTE Band 4 (Frequency range: 1710-1755 MHz) is covered by LTE Band 66 (Frequency range: 1710-1780 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

LTE Band 17

LTE Band 17 (Frequency range: 704-716 MHz) is covered by LTE Band 12 (Frequency range: 699-716 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.