

**WCDMA Band 5**

		UL Korea, Ltd Suwon Laboratory Above 1GHz High Frequency Substitution Measurement										
WCDMA Band 5 REL99	Company: Samsung Project #: 4787833362 Date: 01-19-17 Test Engineer: Chan Park Configuration: EUT / AC Adapter / Earphone, X Position Mode: Tx, REL99,850MHz		Chamber Chamber 2		Pre-amplifier AFS42		Filter Filter 1		Limit Part 22			
		f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
		Low Ch, 826.40MHz										
		1.6520	-16.4	V	3.0	38.2	1.0	-53.6	-13.0	-40.6		
		2.4790	-21.0	V	3.0	38.8	1.0	-58.8	-13.0	-45.8		
		3.3056	-20.4	V	3.0	39.4	1.0	-58.9	-13.0	-45.9		
		1.6520	-8.1	H	3.0	38.2	1.0	-45.3	-13.0	-32.3		
		2.4790	-20.6	H	3.0	38.8	1.0	-58.4	-13.0	-45.4		
		3.3056	-20.4	H	3.0	39.4	1.0	-58.9	-13.0	-45.9		
		Mid Ch, 836.6MHz										
	1.6732	-11.2	V	3.0	38.2	1.0	-48.5	-13.0	-35.5			
	2.5098	-19.8	V	3.0	38.8	1.0	-57.6	-13.0	-44.6			
	3.3464	-20.4	V	3.0	39.5	1.0	-58.8	-13.0	-45.8			
	1.6732	-7.1	H	3.0	38.2	1.0	-44.4	-13.0	-31.4			
	2.5098	-15.1	H	3.0	38.8	1.0	-53.0	-13.0	-40.0			
	3.3464	-20.4	H	3.0	39.5	1.0	-58.8	-13.0	-45.8			
	High Ch, 846.6MHz											
	1.6932	-10.2	V	3.0	38.2	1.0	-47.5	-13.0	-34.5			
	2.5390	-17.8	V	3.0	38.9	1.0	-55.7	-13.0	-42.7			
	3.3860	-20.4	V	3.0	39.5	1.0	-58.9	-13.0	-45.9			
	1.6932	-7.4	H	3.0	38.2	1.0	-44.7	-13.0	-31.7			
	2.5390	-13.4	H	3.0	38.9	1.0	-51.3	-13.0	-38.3			
	3.3860	-20.3	H	3.0	39.5	1.0	-58.8	-13.0	-45.8			
	Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.											
WCDMA Band 5 HSDPA	Company: Samsung Project #: 4787833362 Date: 01-19-17 Test Engineer: Chan Park Configuration: EUT / AC Adapter / Earphone, X Position Mode: Tx, HSDPA,850MHz		Chamber Chamber 2		Pre-amplifier AFS42		Filter Filter 1		Limit Part 22			
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		1.6520	-16.4	V	3.0	38.2	1.0	-53.7	-13.0	-40.7		
		2.4790	-21.9	V	3.0	38.8	1.0	-59.7	-13.0	-46.7		
		3.3056	-20.4	V	3.0	39.4	1.0	-58.8	-13.0	-45.8		
		1.6520	-8.5	H	3.0	38.2	1.0	-45.7	-13.0	-32.7		
		2.4790	-22.5	H	3.0	38.8	1.0	-60.3	-13.0	-47.3		
		3.3056	-20.5	H	3.0	39.4	1.0	-58.9	-13.0	-45.9		
		Mid Ch, 836.6MHz										
	1.6732	-10.9	V	3.0	38.2	1.0	-48.2	-13.0	-35.2			
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**WCDMA Band 2**

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		<table border="1"> <thead> <tr> <th>f GHz</th> <th>SG reading (dBm)</th> <th>Ant. Pol. (H/V)</th> <th>Distance (m)</th> <th>Preamp (dB)</th> <th>Filter (dB)</th> <th>EIRP (dBm)</th> <th>Limit (dBm)</th> <th>Delta (dB)</th> <th>Notes</th> </tr> </thead> <tbody> <tr><td colspan="10">Low Ch, 1852.4MHz</td></tr> <tr><td>3.7048</td><td>-18.9</td><td>V</td><td>3.0</td><td>39.7</td><td>1.0</td><td>-57.5</td><td>-13.0</td><td>-44.5</td><td></td></tr> <tr><td>5.5572</td><td>-18.5</td><td>V</td><td>3.0</td><td>39.9</td><td>1.0</td><td>-57.5</td><td>-13.0</td><td>-44.5</td><td></td></tr> <tr><td>7.4096</td><td>-17.4</td><td>V</td><td>3.0</td><td>39.4</td><td>1.0</td><td>-55.8</td><td>-13.0</td><td>-42.8</td><td></td></tr> <tr><td>3.7048</td><td>-15.9</td><td>H</td><td>3.0</td><td>39.7</td><td>1.0</td><td>-54.5</td><td>-13.0</td><td>-41.5</td><td></td></tr> <tr><td>5.5572</td><td>-18.7</td><td>H</td><td>3.0</td><td>39.9</td><td>1.0</td><td>-57.7</td><td>-13.0</td><td>-44.7</td><td></td></tr> <tr><td>7.4096</td><td>-17.2</td><td>H</td><td>3.0</td><td>39.4</td><td>1.0</td><td>-55.7</td><td>-13.0</td><td>-42.7</td><td></td></tr> <tr><td colspan="10">Mid Ch, 1880MHz</td></tr> <tr><td>3.7600</td><td>-19.2</td><td>V</td><td>3.0</td><td>39.7</td><td>1.0</td><td>-57.9</td><td>-13.0</td><td>-44.9</td><td></td></tr> <tr><td>5.6400</td><td>-18.4</td><td>V</td><td>3.0</td><td>40.0</td><td>1.0</td><td>-57.4</td><td>-13.0</td><td>-44.4</td><td></td></tr> <tr><td>7.5200</td><td>-17.4</td><td>V</td><td>3.0</td><td>39.4</td><td>1.0</td><td>-55.8</td><td>-13.0</td><td>-42.8</td><td></td></tr> <tr><td>3.7600</td><td>-16.0</td><td>H</td><td>3.0</td><td>39.7</td><td>1.0</td><td>-54.7</td><td>-13.0</td><td>-41.7</td><td></td></tr> <tr><td>5.6400</td><td>-18.4</td><td>H</td><td>3.0</td><td>40.0</td><td>1.0</td><td>-57.3</td><td>-13.0</td><td>-44.3</td><td></td></tr> <tr><td>7.5200</td><td>-17.5</td><td>H</td><td>3.0</td><td>39.4</td><td>1.0</td><td>-55.9</td><td>-13.0</td><td>-42.9</td><td></td></tr> <tr><td colspan="10">High Ch, 1907.6MHz</td></tr> <tr><td>3.8152</td><td>-16.4</td><td>V</td><td>3.0</td><td>39.7</td><td>1.0</td><td>-55.1</td><td>-13.0</td><td>-42.1</td><td></td></tr> <tr><td>5.7228</td><td>-18.6</td><td>V</td><td>3.0</td><td>40.0</td><td>1.0</td><td>-57.6</td><td>-13.0</td><td>-44.6</td><td></td></tr> <tr><td>7.6304</td><td>-16.9</td><td>V</td><td>3.0</td><td>39.3</td><td>1.0</td><td>-55.2</td><td>-13.0</td><td>-42.2</td><td></td></tr> <tr><td>3.8152</td><td>-13.5</td><td>H</td><td>3.0</td><td>39.7</td><td>1.0</td><td>-52.2</td><td>-13.0</td><td>-39.2</td><td></td></tr> <tr><td>5.7228</td><td>-17.5</td><td>H</td><td>3.0</td><td>40.0</td><td>1.0</td><td>-56.5</td><td>-13.0</td><td>-43.5</td><td></td></tr> <tr><td>7.6304</td><td>-16.9</td><td>H</td><td>3.0</td><td>39.3</td><td>1.0</td><td>-55.3</td><td>-13.0</td><td>-42.3</td><td></td></tr> </tbody> </table>	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	Low Ch, 1852.4MHz										3.7048	-18.9	V	3.0	39.7	1.0	-57.5	-13.0	-44.5		5.5572	-18.5	V	3.0	39.9	1.0	-57.5	-13.0	-44.5		7.4096	-17.4	V	3.0	39.4	1.0	-55.8	-13.0	-42.8		3.7048	-15.9	H	3.0	39.7	1.0	-54.5	-13.0	-41.5		5.5572	-18.7	H	3.0	39.9	1.0	-57.7	-13.0	-44.7		7.4096	-17.2	H	3.0	39.4	1.0	-55.7	-13.0	-42.7		Mid Ch, 1880MHz										3.7600	-19.2	V	3.0	39.7	1.0	-57.9	-13.0	-44.9		5.6400	-18.4	V	3.0	40.0	1.0	-57.4	-13.0	-44.4		7.5200	-17.4	V	3.0	39.4	1.0	-55.8	-13.0	-42.8		3.7600	-16.0	H	3.0	39.7	1.0	-54.7	-13.0	-41.7		5.6400	-18.4	H	3.0	40.0	1.0	-57.3	-13.0	-44.3		7.5200	-17.5	H	3.0	39.4	1.0	-55.9	-13.0	-42.9		High Ch, 1907.6MHz										3.8152	-16.4	V	3.0	39.7	1.0	-55.1	-13.0	-42.1		5.7228	-18.6	V	3.0	40.0	1.0	-57.6	-13.0	-44.6		7.6304	-16.9	V	3.0	39.3	1.0	-55.2	-13.0	-42.2		3.8152	-13.5	H	3.0	39.7	1.0	-52.2	-13.0	-39.2		5.7228	-17.5	H	3.0	40.0	1.0	-56.5	-13.0	-43.5		7.6304	-16.9	H	3.0	39.3	1.0	-55.3	-13.0	-42.3		
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**LTE Band 5**

		UL Korea, Ltd Suwon Laboratory Above 1GHz High Frequency Substitution Measurement										
LTE Band 5 10MHz QPSK	Company: Samsung											
	Project #: 4787833362											
	Date: 01-19-17											
	Test Engineer: JH Park											
	Configuration: EUT / AC Adapter / Earphone, X Position											
	Mode: TX, LTE BAND 5, 10MHz BW, QPSK											
	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">Chamber Chamber 2</div> <div style="border: 1px solid black; padding: 2px;">Pre-amplifier AFS42</div> <div style="border: 1px solid black; padding: 2px;">Filter Filter 1</div> <div style="border: 1px solid black; padding: 2px;">Limit Part 22</div> </div>											
			<b>f</b>	<b>SG reading</b>	<b>Ant. Pol.</b>	<b>Distance</b>	<b>Preamp</b>	<b>Filter</b>	<b>EIRP</b>	<b>Limit</b>	<b>Delta</b>	<b>Notes</b>
			<b>GHz</b>	<b>(dBm)</b>	<b>(H/V)</b>	<b>(m)</b>	<b>(dB)</b>	<b>(dB)</b>	<b>(dBm)</b>	<b>(dBm)</b>	<b>(dB)</b>	
			Low Channel (829MHz)									
		1.6580	-8.7	V	3.0	38.2	1.0	-45.9	-13.0	-32.9		
		2.4870	-18.2	V	3.0	38.8	1.0	-56.0	-13.0	-43.0		
		3.3160	-19.8	V	3.0	39.4	1.0	-58.2	-13.0	-45.2		
		1.6580	1.3	H	3.0	38.2	1.0	-36.0	-13.0	-23.0		
		2.4870	-11.6	H	3.0	38.8	1.0	-49.4	-13.0	-36.4		
		3.3160	-18.8	H	3.0	39.4	1.0	-57.2	-13.0	-44.2		
		Mid Channel (836.5MHz)										
		1.6730	-6.7	V	3.0	38.2	1.0	-43.9	-13.0	-30.9		
		2.5090	-15.8	V	3.0	38.8	1.0	-53.6	-13.0	-40.6		
		3.3460	-20.3	V	3.0	39.5	1.0	-58.8	-13.0	-45.8		
		1.6730	-1.6	H	3.0	38.2	1.0	-38.8	-13.0	-25.8		
		2.5090	-9.9	H	3.0	38.8	1.0	-47.8	-13.0	-34.8		
		3.3460	-20.9	H	3.0	39.5	1.0	-59.4	-13.0	-46.4		
		High Channel (844MHz)										
		1.6880	-9.0	V	3.0	38.2	1.0	-46.3	-13.0	-33.3		
		2.5320	-20.1	V	3.0	38.9	1.0	-58.0	-13.0	-45.0		
		3.3760	-20.3	V	3.0	39.5	1.0	-58.7	-13.0	-45.7		
		1.6880	-2.9	H	3.0	38.2	1.0	-40.2	-13.0	-27.2		
		2.5320	-15.4	H	3.0	38.9	1.0	-53.3	-13.0	-40.3		
		3.3760	-20.6	H	3.0	39.5	1.0	-59.0	-13.0	-46.0		
		Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.										
		UL Korea, Ltd Suwon Laboratory Above 1GHz High Frequency Substitution Measurement										
		Company: Samsung										
		Project #: 4787833362										
		Date: 01-19-17										
		Test Engineer: JH Park										
		Configuration: EUT / AC Adapter / Earphone, X Position										
		Mode: TX, LTE BAND 5, 10MHz BW, 16QAM										
		<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">Chamber Chamber 2</div> <div style="border: 1px solid black; padding: 2px;">Pre-amplifier AFS42</div> <div style="border: 1px solid black; padding: 2px;">Filter Filter 1</div> <div style="border: 1px solid black; padding: 2px;">Limit Part 22</div> </div>										
LTE Band 5 10MHz 16QAM			<b>f</b>	<b>SG reading</b>	<b>Ant. Pol.</b>	<b>Distance</b>	<b>Preamp</b>	<b>Filter</b>	<b>EIRP</b>	<b>Limit</b>	<b>Delta</b>	<b>Notes</b>
			<b>GHz</b>	<b>(dBm)</b>	<b>(H/V)</b>	<b>(m)</b>	<b>(dB)</b>	<b>(dB)</b>	<b>(dBm)</b>	<b>(dBm)</b>	<b>(dB)</b>	
			Low Channel (829MHz)									
			1.6580	-9.3	V	3.0	38.2	1.0	-46.6	-13.0	-33.6	
			2.4870	-18.9	V	3.0	38.8	1.0	-56.7	-13.0	-43.7	
			3.3160	-20.0	V	3.0	39.4	1.0	-58.4	-13.0	-45.4	
			1.6580	1.1	H	3.0	38.2	1.0	-36.1	-13.0	-23.1	
			2.4870	-12.1	H	3.0	38.8	1.0	-49.9	-13.0	-36.9	
			3.3160	-19.4	H	3.0	39.4	1.0	-57.9	-13.0	-44.9	
			Mid Channel (836.5MHz)									
		1.6730	-6.6	V	3.0	38.2	1.0	-43.8	-13.0	-30.8		
		2.5090	-16.2	V	3.0	38.8	1.0	-54.1	-13.0	-41.1		
		3.3460	-19.6	V	3.0	39.5	1.0	-58.0	-13.0	-45.0		
		1.6730	-1.7	H	3.0	38.2	1.0	-39.0	-13.0	-26.0		
		2.5090	-10.9	H	3.0	38.8	1.0	-48.8	-13.0	-35.8		
		3.3460	-20.2	H	3.0	39.5	1.0	-58.6	-13.0	-45.6		
		High Channel (844MHz)										
		1.6880	-9.5	V	3.0	38.2	1.0	-46.8	-13.0	-33.8		
		2.5320	-20.7	V	3.0	38.9	1.0	-58.6	-13.0	-45.6		
		3.3760	-20.4	V	3.0	39.5	1.0	-58.9	-13.0	-45.9		
		1.6880	-2.9	H	3.0	38.2	1.0	-40.2	-13.0	-27.2		
		2.5320	-15.7	H	3.0	38.9	1.0	-53.6	-13.0	-40.6		
		3.3760	-20.9	H	3.0	39.5	1.0	-59.4	-13.0	-46.4		
		Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.										

		UL Korea, Ltd Suwon Laboratory Above 1GHz High Frequency Substitution Measurement										
LTE Band 5 5MHz QPSK	Company: Samsung Project #: 4787833362 Date: 01-19-17 Test Engineer: JH Park Configuration: EUT / AC Adapter / Earphone, X Position Mode: TX, LTE BAND 5, 5MHz BW, QPSK											
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		f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
		Low Channel (826.5MHz)										
		1.6530	-12.2	V	3.0	38.2	1.0	-49.4	-13.0	-36.4		
		2.4790	-14.3	V	3.0	38.8	1.0	-52.1	-13.0	-39.1		
		3.3060	-20.3	V	3.0	39.4	1.0	-58.7	-13.0	-45.7		
		1.6530	-1.7	H	3.0	38.2	1.0	-38.9	-13.0	-25.9		
		2.4790	-10.1	H	3.0	38.8	1.0	-47.9	-13.0	-34.9		
		3.3060	-20.3	H	3.0	39.4	1.0	-58.7	-13.0	-45.7		
		Mid Channel (836.5MHz)										
		1.6730	-6.7	V	3.0	38.2	1.0	-44.0	-13.0	-31.0		
		2.5090	-16.5	V	3.0	38.8	1.0	-54.4	-13.0	-41.4		
		3.3460	-20.3	V	3.0	39.5	1.0	-58.8	-13.0	-45.8		
		1.6730	-2.1	H	3.0	38.2	1.0	-39.3	-13.0	-26.3		
		2.5090	-11.2	H	3.0	38.8	1.0	-49.0	-13.0	-36.0		
		3.3460	-20.7	H	3.0	39.5	1.0	-59.2	-13.0	-46.2		
		High Channel (846.5MHz)										
		1.6930	-5.8	V	3.0	38.2	1.0	-43.1	-13.0	-30.1		
		2.5390	-21.8	V	3.0	38.9	1.0	-59.7	-13.0	-46.7		
		3.3860	-20.6	V	3.0	39.5	1.0	-59.1	-13.0	-46.1		
		1.6930	-0.7	H	3.0	38.2	1.0	-37.9	-13.0	-24.9		
		2.5390	-18.5	H	3.0	38.9	1.0	-56.4	-13.0	-43.4		
		3.3860	-21.1	H	3.0	39.5	1.0	-59.5	-13.0	-46.5		
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LTE Band 5 5MHz 16QAM	Company: Samsung Project #: 4787833362 Date: 01-19-17 Test Engineer: JH Park Configuration: EUT / AC Adapter / Earphone, X Position Mode: TX, LTE BAND 5, 5MHz BW, 16QAM											
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		f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
		Low Channel (826.5MHz)										
		1.6530	-13.1	V	3.0	38.2	1.0	-50.3	-13.0	-37.3		
		2.4790	-16.0	V	3.0	38.8	1.0	-53.8	-13.0	-40.8		
		3.3060	-21.0	V	3.0	39.4	1.0	-59.4	-13.0	-46.4		
		1.6530	-1.9	H	3.0	38.2	1.0	-39.1	-13.0	-26.1		
		2.4790	-11.7	H	3.0	38.8	1.0	-49.5	-13.0	-36.5		
		3.3060	-20.8	H	3.0	39.4	1.0	-59.2	-13.0	-46.2		
		Mid Channel (836.5MHz)										
		1.6730	-6.6	V	3.0	38.2	1.0	-43.9	-13.0	-30.9		
		2.5090	-16.5	V	3.0	38.8	1.0	-54.3	-13.0	-41.3		
		3.3460	-20.8	V	3.0	39.5	1.0	-59.2	-13.0	-46.2		
		1.6730	-1.9	H	3.0	38.2	1.0	-39.1	-13.0	-26.1		
		2.5090	-12.0	H	3.0	38.8	1.0	-49.8	-13.0	-36.8		
		3.3460	-20.1	H	3.0	39.5	1.0	-58.6	-13.0	-45.6		
		High Channel (846.5MHz)										
		1.6930	-5.9	V	3.0	38.2	1.0	-43.2	-13.0	-30.2		
		2.5390	-21.8	V	3.0	38.9	1.0	-59.7	-13.0	-46.7		
		3.3860	-21.4	V	3.0	39.5	1.0	-59.9	-13.0	-46.9		
		1.6930	-0.8	H	3.0	38.2	1.0	-38.0	-13.0	-25.0		
		2.5390	-18.7	H	3.0	38.9	1.0	-56.5	-13.0	-43.5		
		3.3860	-20.8	H	3.0	39.5	1.0	-59.3	-13.0	-46.3		
		Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.										

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LTE Band 5 3MHz 16QAM	Company: Samsung Project #: 4787833362 Date: 01-19-17 Test Engineer: JH Park Configuration: EUT / AC Adapter / Earphone, X Position Mode: TX, LTE BAND 5, 3MHz BW, 16QAM																																																																																																																																																																																																																																						
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		<table border="1"> <thead> <tr> <th>f GHz</th> <th>SG reading (dBm)</th> <th>Ant. Pol. (H/V)</th> <th>Distance (m)</th> <th>Preamp (dB)</th> <th>Filter (dB)</th> <th>EIRP (dBm)</th> <th>Limit (dBm)</th> <th>Delta (dB)</th> <th>Notes</th> </tr> </thead> <tbody> <tr><td colspan="10">Low Channel (825.5MHz)</td></tr> <tr><td>1.6510</td><td>-9.2</td><td>V</td><td>3.0</td><td>38.2</td><td>1.0</td><td>-46.4</td><td>-13.0</td><td>-33.4</td><td></td></tr> <tr><td>2.4765</td><td>-15.6</td><td>V</td><td>3.0</td><td>38.8</td><td>1.0</td><td>-53.4</td><td>-13.0</td><td>-40.4</td><td></td></tr> <tr><td>3.3020</td><td>-21.7</td><td>V</td><td>3.0</td><td>39.4</td><td>1.0</td><td>-60.1</td><td>-13.0</td><td>-47.1</td><td></td></tr> <tr><td>1.6510</td><td>-3.3</td><td>H</td><td>3.0</td><td>38.2</td><td>1.0</td><td>-40.5</td><td>-13.0</td><td>-27.5</td><td></td></tr> <tr><td>2.4765</td><td>-10.4</td><td>H</td><td>3.0</td><td>38.8</td><td>1.0</td><td>-48.2</td><td>-13.0</td><td>-35.2</td><td></td></tr> <tr><td>3.3020</td><td>-21.8</td><td>H</td><td>3.0</td><td>39.4</td><td>1.0</td><td>-60.2</td><td>-13.0</td><td>-47.2</td><td></td></tr> <tr><td colspan="10">Mid Channel (836.5MHz)</td></tr> <tr><td>1.6730</td><td>-5.9</td><td>V</td><td>3.0</td><td>38.2</td><td>1.0</td><td>-43.1</td><td>-13.0</td><td>-30.1</td><td></td></tr> <tr><td>2.5090</td><td>-18.3</td><td>V</td><td>3.0</td><td>38.8</td><td>1.0</td><td>-56.1</td><td>-13.0</td><td>-43.1</td><td></td></tr> <tr><td>3.3460</td><td>-20.2</td><td>V</td><td>3.0</td><td>39.5</td><td>1.0</td><td>-58.7</td><td>-13.0</td><td>-45.7</td><td></td></tr> <tr><td>1.6730</td><td>-1.9</td><td>H</td><td>3.0</td><td>38.2</td><td>1.0</td><td>-39.1</td><td>-13.0</td><td>-26.1</td><td></td></tr> <tr><td>2.5090</td><td>-11.6</td><td>H</td><td>3.0</td><td>38.8</td><td>1.0</td><td>-49.5</td><td>-13.0</td><td>-36.5</td><td></td></tr> <tr><td>3.3460</td><td>-20.7</td><td>H</td><td>3.0</td><td>39.5</td><td>1.0</td><td>-59.1</td><td>-13.0</td><td>-46.1</td><td></td></tr> <tr><td colspan="10">High Channel (847.5MHz)</td></tr> <tr><td>1.6950</td><td>-7.2</td><td>V</td><td>3.0</td><td>38.2</td><td>1.0</td><td>-44.5</td><td>-13.0</td><td>-31.5</td><td></td></tr> <tr><td>2.5425</td><td>-21.9</td><td>V</td><td>3.0</td><td>38.9</td><td>1.0</td><td>-59.7</td><td>-13.0</td><td>-46.7</td><td></td></tr> <tr><td>3.3900</td><td>-21.3</td><td>V</td><td>3.0</td><td>39.5</td><td>1.0</td><td>-59.8</td><td>-13.0</td><td>-46.8</td><td></td></tr> <tr><td>1.6950</td><td>0.3</td><td>H</td><td>3.0</td><td>38.2</td><td>1.0</td><td>-36.9</td><td>-13.0</td><td>-23.9</td><td></td></tr> <tr><td>2.5425</td><td>-17.8</td><td>H</td><td>3.0</td><td>38.9</td><td>1.0</td><td>-55.7</td><td>-13.0</td><td>-42.7</td><td></td></tr> <tr><td>3.3900</td><td>-21.5</td><td>H</td><td>3.0</td><td>39.5</td><td>1.0</td><td>-60.0</td><td>-13.0</td><td>-47.0</td><td></td></tr> </tbody> </table>	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	Low Channel (825.5MHz)										1.6510	-9.2	V	3.0	38.2	1.0	-46.4	-13.0	-33.4		2.4765	-15.6	V	3.0	38.8	1.0	-53.4	-13.0	-40.4		3.3020	-21.7	V	3.0	39.4	1.0	-60.1	-13.0	-47.1		1.6510	-3.3	H	3.0	38.2	1.0	-40.5	-13.0	-27.5		2.4765	-10.4	H	3.0	38.8	1.0	-48.2	-13.0	-35.2		3.3020	-21.8	H	3.0	39.4	1.0	-60.2	-13.0	-47.2		Mid Channel (836.5MHz)										1.6730	-5.9	V	3.0	38.2	1.0	-43.1	-13.0	-30.1		2.5090	-18.3	V	3.0	38.8	1.0	-56.1	-13.0	-43.1		3.3460	-20.2	V	3.0	39.5	1.0	-58.7	-13.0	-45.7		1.6730	-1.9	H	3.0	38.2	1.0	-39.1	-13.0	-26.1		2.5090	-11.6	H	3.0	38.8	1.0	-49.5	-13.0	-36.5		3.3460	-20.7	H	3.0	39.5	1.0	-59.1	-13.0	-46.1		High Channel (847.5MHz)										1.6950	-7.2	V	3.0	38.2	1.0	-44.5	-13.0	-31.5		2.5425	-21.9	V	3.0	38.9	1.0	-59.7	-13.0	-46.7		3.3900	-21.3	V	3.0	39.5	1.0	-59.8	-13.0	-46.8		1.6950	0.3	H	3.0	38.2	1.0	-36.9	-13.0	-23.9		2.5425	-17.8	H	3.0	38.9	1.0	-55.7	-13.0	-42.7		3.3900	-21.5	H	3.0	39.5	1.0	-60.0	-13.0	-47.0		Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.								
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		UL Korea, Ltd Suwon Laboratory Above 1GHz High Frequency Substitution Measurement									
LTE Band 5 1.4MHz QPSK	Company: Samsung										
	Project #: 4787833362										
	Date: 01-19-17										
	Test Engineer: JH Park										
	Configuration: EUT / AC Adapter / Earphone, X Position										
	Mode: TX, LTE BAND 5, 1.4MHz BW, QPSK										
	Chamber		Pre-amplifier		Filter		Limit				
	Chamber 2		AFS42		Filter 1		Part 22				
	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
	Low Channel (824.7MHz)										
	1.6494	-14.6	V	3.0	38.2	1.0	-51.9	-13.0	-38.9		
	2.4741	-14.6	V	3.0	38.8	1.0	-52.4	-13.0	-39.4		
	3.2988	-22.0	V	3.0	39.4	1.0	-60.4	-13.0	-47.4		
	1.6494	-5.0	H	3.0	38.2	1.0	-42.2	-13.0	-29.2		
	2.4741	-10.4	H	3.0	38.8	1.0	-48.2	-13.0	-35.2		
	3.2988	-21.7	H	3.0	39.4	1.0	-60.1	-13.0	-47.1		
	Mid Channel (836.5MHz)										
	1.6730	-8.0	V	3.0	38.2	1.0	-45.2	-13.0	-32.2		
	2.5090	-16.2	V	3.0	38.8	1.0	-54.0	-13.0	-41.0		
	3.3460	-21.5	V	3.0	39.5	1.0	-59.9	-13.0	-46.9		
1.6730	-1.9	H	3.0	38.2	1.0	-39.1	-13.0	-26.1			
2.5090	-11.6	H	3.0	38.8	1.0	-49.4	-13.0	-36.4			
3.3460	-21.8	H	3.0	39.5	1.0	-60.2	-13.0	-47.2			
High Channel (848.3MHz)											
1.6966	-6.7	V	3.0	38.2	1.0	-44.0	-13.0	-31.0			
2.5449	-20.7	V	3.0	38.9	1.0	-58.6	-13.0	-45.6			
3.3932	-21.0	V	3.0	39.5	1.0	-59.4	-13.0	-46.4			
1.6966	-1.6	H	3.0	38.2	1.0	-38.8	-13.0	-25.8			
2.5449	-13.3	H	3.0	38.9	1.0	-51.2	-13.0	-38.2			
3.3932	-21.2	H	3.0	39.5	1.0	-59.7	-13.0	-46.7			
Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.											
LTE Band 5 1.4MHz 16QAM	Company: Samsung										
	Project #: 4787833362										
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	Configuration: EUT / AC Adapter / Earphone, X Position										
	Mode: TX, LTE BAND 5, 1.4MHz BW, 16QAM										
	Chamber		Pre-amplifier		Filter		Limit				
	Chamber 2		AFS42		Filter 1		Part 22				
	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
	Low Channel (824.7MHz)										
	1.6494	-14.9	V	3.0	38.2	1.0	-52.1	-13.0	-39.1		
	2.4741	-15.4	V	3.0	38.8	1.0	-53.2	-13.0	-40.2		
	3.2988	-21.8	V	3.0	39.4	1.0	-60.3	-13.0	-47.3		
	1.6494	-5.3	H	3.0	38.2	1.0	-42.5	-13.0	-29.5		
	2.4741	-11.6	H	3.0	38.8	1.0	-49.4	-13.0	-36.4		
	3.2988	-21.4	H	3.0	39.4	1.0	-59.9	-13.0	-46.9		
	Mid Channel (836.5MHz)										
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1.6730	-1.8	H	3.0	38.2	1.0	-39.0	-13.0	-26.0			
2.5090	-13.0	H	3.0	38.8	1.0	-50.8	-13.0	-37.8			
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1.6966	-6.6	V	3.0	38.2	1.0	-43.8	-13.0	-30.8			
2.5449	-20.7	V	3.0	38.9	1.0	-58.6	-13.0	-45.6			
3.3932	-20.8	V	3.0	39.5	1.0	-59.3	-13.0	-46.3			
1.6966	-0.9	H	3.0	38.2	1.0	-38.2	-13.0	-25.2			
2.5449	-15.6	H	3.0	38.9	1.0	-53.5	-13.0	-40.5			
3.3932	-20.5	H	3.0	39.5	1.0	-58.9	-13.0	-45.9			
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