

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		
	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	-53.7	-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			
2.5098	-21.7	V	3.0	38.8	1.0	-59.5	-13.0	-46.5			
3.3464	-20.4	V	3.0	39.5	1.0	-58.9	-13.0	-45.9			
1.6732	-7.4	H	3.0	38.2	1.0	-44.6	-13.0	-31.6			
2.5098	-21.4	H	3.0	38.8	1.0	-59.2	-13.0	-46.2			
3.3464	-20.4	H	3.0	39.5	1.0	-58.8	-13.0	-45.8			
High Ch, 846.6MHz											
1.6932	-10.7	V	3.0	38.2	1.0	-48.0	-13.0	-35.0			
2.5390	-21.4	V	3.0	38.9	1.0	-59.3	-13.0	-46.3			
3.3860	-20.3	V	3.0	39.5	1.0	-58.8	-13.0	-45.8			
1.6932	-7.6	H	3.0	38.2	1.0	-44.9	-13.0	-31.9			
2.5390	-21.1	H	3.0	38.9	1.0	-58.9	-13.0	-45.9			
3.3860	-20.4	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 2

		UL Korea, Ltd Suwon Laboratory Above 1GHz High Frequency Substitution Measurement									
WCDMA Band 2 REL99	Company: Samsung Project #: 4787833362 Date: 01-18-17 Test Engineer: JH Park Configuration: EUT / AC Adapter / Earphone / Z Position Mode: Tx, REL99,1900MHz										
	<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 24</div> </div>										
		f	SG reading	Ant. Pol.	Distance	Preamp	Filter	EIRP	Limit	Delta	Notes
		GHz	(dBm)	(H/V)	(m)	(dB)	(dB)	(dBm)	(dBm)	(dB)	
		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		
	Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.										
WCDMA Band 2 HSDPA	Company: Samsung Project #: 4787833362 Date: 01-18-17 Test Engineer: JH Park Configuration: EUT / AC Adapter / Earphone / Z Position Mode: Tx, HSDPA,1900MHz										
	<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 24</div> </div>										
		f	SG reading	Ant. Pol.	Distance	Preamp	Filter	EIRP	Limit	Delta	Notes
		GHz	(dBm)	(H/V)	(m)	(dB)	(dB)	(dBm)	(dBm)	(dB)	
		Low Ch, 1852.4MHz									
		3.7048	-18.9	V	3.0	39.7	1.0	-57.6	-13.0	-44.6	
		5.5572	-18.7	V	3.0	39.9	1.0	-57.6	-13.0	-44.6	
		7.4096	-17.3	V	3.0	39.4	1.0	-55.7	-13.0	-42.7	
		3.7048	-15.8	H	3.0	39.7	1.0	-54.5	-13.0	-41.5	
		5.5572	-18.6	H	3.0	39.9	1.0	-57.6	-13.0	-44.6	
	7.4096	-17.3	H	3.0	39.4	1.0	-55.7	-13.0	-42.7		
	Mid Ch, 1880MHz										
	3.7600	-19.1	V	3.0	39.7	1.0	-57.8	-13.0	-44.8		
	5.6400	-18.4	V	3.0	40.0	1.0	-57.3	-13.0	-44.3		
	7.5200	-17.4	V	3.0	39.4	1.0	-55.8	-13.0	-42.8		
	3.7600	-16.1	H	3.0	39.7	1.0	-54.8	-13.0	-41.8		
	5.6400	-18.5	H	3.0	40.0	1.0	-57.5	-13.0	-44.5		
	7.5200	-17.4	H	3.0	39.4	1.0	-55.7	-13.0	-42.7		
	High Ch, 1907.6MHz										
	3.8152	-16.5	V	3.0	39.7	1.0	-55.2	-13.0	-42.2		
	5.7228	-18.9	V	3.0	40.0	1.0	-57.9	-13.0	-44.9		
	7.6304	-16.9	V	3.0	39.3	1.0	-55.3	-13.0	-42.3		
	3.8152	-12.9	H	3.0	39.7	1.0	-51.6	-13.0	-38.6		
	5.7228	-17.7	H	3.0	40.0	1.0	-56.7	-13.0	-43.7		
	7.6304	-17.0	H	3.0	39.3	1.0	-55.3	-13.0	-42.3		
	Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.										

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>											
			f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
			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			f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
			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											
			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 (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			
		Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.											
LTE Band 5 5MHz 16QAM	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, 5MHz 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 (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			
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	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																																																																																																																																																																																																																															

		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	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, 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)										
	1.6730	-7.7	V	3.0	38.2	1.0	-45.0	-13.0	-32.0		
	2.5090	-17.3	V	3.0	38.8	1.0	-55.1	-13.0	-42.1		
3.3460	-21.6	V	3.0	39.5	1.0	-60.0	-13.0	-47.0			
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			
3.3460	-20.3	H	3.0	39.5	1.0	-58.8	-13.0	-45.8			
High Channel (848.3MHz)											
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			
Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.											