

LTE Band 2 1.4MHz QPSK	UL Korea, Ltd Suwon Laboratory Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 15K22555 Date: 12-26-15 Test Engineer: Steven Kim Configuration: EUT / AC Adapter / Ear Phone / X-Position Mode: TX, LTE BAND 2, 1.4MHz BW,QPSK									
	Chamber Pre-amplifier Filter Limit Chamber 2 AFS42 Filter 1 FCC Part 24									
	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Channel (1850.7MHz)									
	3.7014	-12.2	V	3.0	40.5	1.0	-51.6	-13.0	-38.6	
	5.5521	0.1	V	3.0	40.8	1.0	-39.7	-13.0	-26.7	
	7.4028	-2.6	V	3.0	40.8	1.0	-42.4	-13.0	-29.4	
	3.7014	-18.6	H	3.0	40.5	1.0	-58.1	-13.0	-45.1	
	5.5521	-1.3	H	3.0	40.8	1.0	-41.1	-13.0	-28.1	
	7.4028	-0.3	H	3.0	40.8	1.0	-40.1	-13.0	-27.1	
	Mid Channel (1880MHz)									
	3.7600	-14.4	V	3.0	40.5	1.0	-53.9	-13.0	-40.9	
	5.6400	-2.1	V	3.0	40.8	1.0	-41.9	-13.0	-28.9	
	7.5200	-7.8	V	3.0	40.7	1.0	-47.5	-13.0	-34.5	
	3.7600	-16.6	H	3.0	40.5	1.0	-56.1	-13.0	-43.1	
	5.6400	-2.7	H	3.0	40.8	1.0	-42.5	-13.0	-29.5	
	7.5200	-8.6	H	3.0	40.7	1.0	-48.3	-13.0	-35.3	
	High Channel (1909.3MHz)									
	3.8186	-13.4	V	3.0	40.6	1.0	-53.0	-13.0	-40.0	
	5.7279	0.4	V	3.0	40.8	1.0	-39.4	-13.0	-26.4	
	7.6372	-6.5	V	3.0	40.7	1.0	-46.2	-13.0	-33.2	
	3.8186	-11.9	H	3.0	40.6	1.0	-51.5	-13.0	-38.5	
	5.7279	-3.0	H	3.0	40.8	1.0	-42.8	-13.0	-29.8	
	7.6372	-6.5	H	3.0	40.7	1.0	-46.1	-13.0	-33.1	
	Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.									
LTE Band 2 1.4MHz 16QAM	UL Korea, Ltd Suwon Laboratory Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 15K22555 Date: 12-26-15 Test Engineer: Steven Kim Configuration: EUT / AC Adapter / Ear Phone / X-Position Mode: TX, LTE BAND 2, 1.4MHz BW,16QAM									
	Chamber Pre-amplifier Filter Limit Chamber 2 AFS42 Filter 1 FCC Part 24									
	f GHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	ERP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Channel (1850.7MHz)									
	3.7014	-13.9	V	3.0	40.5	1.0	-53.4	-13.0	-40.4	
	5.5521	-1.4	V	3.0	40.8	1.0	-41.2	-13.0	-28.2	
	7.4028	-4.1	V	3.0	40.8	1.0	-43.9	-13.0	-30.9	
	3.7014	-20.4	H	3.0	40.5	1.0	-59.8	-13.0	-46.8	
	5.5521	-2.8	H	3.0	40.8	1.0	-42.6	-13.0	-29.6	
	7.4028	-2.2	H	3.0	40.8	1.0	-42.0	-13.0	-29.0	
	Mid Channel (1880MHz)									
	3.7600	-15.5	V	3.0	40.5	1.0	-55.1	-13.0	-42.1	
	5.6400	-3.9	V	3.0	40.8	1.0	-43.7	-13.0	-30.7	
	7.5200	-8.9	V	3.0	40.7	1.0	-48.6	-13.0	-35.6	
	3.7600	-18.4	H	3.0	40.5	1.0	-58.0	-13.0	-45.0	
	5.6400	-5.2	H	3.0	40.8	1.0	-45.0	-13.0	-32.0	
	7.5200	-9.3	H	3.0	40.7	1.0	-49.0	-13.0	-36.0	
	High Channel (1909.3MHz)									
	3.8186	-15.1	V	3.0	40.6	1.0	-54.7	-13.0	-41.7	
	5.7279	-1.4	V	3.0	40.8	1.0	-41.2	-13.0	-28.2	
	7.6372	-7.2	V	3.0	40.7	1.0	-46.9	-13.0	-33.9	
	3.8186	-13.9	H	3.0	40.6	1.0	-53.5	-13.0	-40.5	
	5.7279	-5.7	H	3.0	40.8	1.0	-45.5	-13.0	-32.5	
	7.6372	-7.2	H	3.0	40.7	1.0	-46.9	-13.0	-33.9	
	Rev. 03.03.09 Note: No other emissions were detected above the system noise floor.									