

LTE Band 12 5MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement										
	Company: Samsung										
	Project #: 4788371689										
	Date: 2018-03-26										
	Test Engineer: 45585										
	Configuration: EUT / Adapter / Earphone, Z-Position										
	Location: Chamber 3										
	Mode: LTE_QPSK Band 12 Harmonics, 5MHz Bandwidth										
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LTE Band 12 1.4MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company:		Samsung							
	Project #:		4788371689							
	Date:		2018-03-26							
	Test Engineer:		45585							
	Configuration:		EUT / Adapter / Earphone, Z-Position							
	Location:		Chamber 3							
	Mode:		LTE_QPSK Band 12 Harmonics, 1.4MHz 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, 699.7MHz									
	1399.40	-18.1	V	3.0	41.7	1.0	-58.7	-13.0	-45.7	
	2099.10	-13.5	V	3.0	42.0	1.0	-54.4	-13.0	-41.4	
	2798.80	-16.2	V	3.0	41.5	1.0	-56.6	-13.0	-43.6	
	3498.50	-13.5	V	3.0	41.0	1.0	-53.5	-13.0	-40.5	
	1399.40	-18.9	H	3.0	41.7	1.0	-59.5	-13.0	-46.5	
	2099.10	-12.0	H	3.0	42.0	1.0	-53.0	-13.0	-40.0	
	2798.80	-16.8	H	3.0	41.5	1.0	-57.2	-13.0	-44.2	
	3498.50	-16.1	H	3.0	41.0	1.0	-56.1	-13.0	-43.1	
	Mid Ch, 707.5MHz									
	1415.00	-15.8	V	3.0	41.7	1.0	-56.5	-13.0	-43.5	
	2122.50	-12.9	V	3.0	41.9	1.0	-53.9	-13.0	-40.9	
	2830.00	-16.2	V	3.0	41.4	1.0	-56.7	-13.0	-43.7	
	3537.50	-12.5	V	3.0	41.0	1.0	-52.4	-13.0	-39.4	
	1415.00	-14.8	H	3.0	41.7	1.0	-55.4	-13.0	-42.4	
	2122.50	-12.0	H	3.0	41.9	1.0	-52.9	-13.0	-39.9	
	2830.00	-17.1	H	3.0	41.4	1.0	-57.5	-13.0	-44.5	
	3537.50	-15.1	H	3.0	41.0	1.0	-55.0	-13.0	-42.0	
	High Ch, 715.3MHz									
	1430.60	-17.1	V	3.0	41.7	1.0	-57.8	-13.0	-44.8	
	2145.90	-13.1	V	3.0	41.9	1.0	-54.0	-13.0	-41.0	
2861.20	-16.2	V	3.0	41.4	1.0	-56.6	-13.0	-43.6		
3576.50	-11.9	V	3.0	40.9	1.0	-51.8	-13.0	-38.8		
1430.60	-15.2	H	3.0	41.7	1.0	-55.9	-13.0	-42.9		
2145.90	-9.7	H	3.0	41.9	1.0	-50.6	-13.0	-37.6		
2861.20	-16.8	H	3.0	41.4	1.0	-57.2	-13.0	-44.2		
3576.50	-13.9	H	3.0	40.9	1.0	-53.8	-13.0	-40.8		
LTE Band 12 1.4MHz 16QAM	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company:		Samsung							
	Project #:		4788371689							
	Date:		2018-03-26							
	Test Engineer:		45585							
	Configuration:		EUT / Adapter / Earphone, Z-Position							
	Location:		Chamber 3							
	Mode:		LTE_16QAM Band 12 Harmonics, 1.4MHz 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, 699.7MHz									
	1399.40	-17.7	V	3.0	41.7	1.0	-58.4	-13.0	-45.4	
	2099.10	-14.2	V	3.0	42.0	1.0	-55.2	-13.0	-42.2	
	2798.80	-16.0	V	3.0	41.5	1.0	-56.4	-13.0	-43.4	
	3498.50	-12.6	V	3.0	41.0	1.0	-52.6	-13.0	-39.6	
	1399.40	-18.2	H	3.0	41.7	1.0	-58.9	-13.0	-45.9	
	2099.10	-10.6	H	3.0	42.0	1.0	-51.5	-13.0	-38.5	
	2798.80	-16.7	H	3.0	41.5	1.0	-57.2	-13.0	-44.2	
	3498.50	-14.6	H	3.0	41.0	1.0	-54.6	-13.0	-41.6	
	Mid Ch, 707.5MHz									
	1415.00	-16.1	V	3.0	41.7	1.0	-56.8	-13.0	-43.8	
	2122.50	-13.4	V	3.0	41.9	1.0	-54.3	-13.0	-41.3	
	2830.00	-16.5	V	3.0	41.4	1.0	-56.9	-13.0	-43.9	
	3537.50	-11.9	V	3.0	41.0	1.0	-51.9	-13.0	-38.9	
	1415.00	-16.0	H	3.0	41.7	1.0	-56.7	-13.0	-43.7	
	2122.50	-10.6	H	3.0	41.9	1.0	-51.5	-13.0	-38.5	
	2830.00	-16.6	H	3.0	41.4	1.0	-57.0	-13.0	-44.0	
	3537.50	-14.3	H	3.0	41.0	1.0	-54.3	-13.0	-41.3	
	High Ch, 715.3MHz									
	1430.60	-17.7	V	3.0	41.7	1.0	-58.4	-13.0	-45.4	
	2145.90	-12.2	V	3.0	41.9	1.0	-53.1	-13.0	-40.1	
2861.20	-15.7	V	3.0	41.4	1.0	-56.1	-13.0	-43.1		
3576.50	-10.7	V	3.0	40.9	1.0	-50.7	-13.0	-37.7		
1430.60	-16.1	H	3.0	41.7	1.0	-56.8	-13.0	-43.8		
2145.90	-9.6	H	3.0	41.9	1.0	-50.5	-13.0	-37.5		
2861.20	-16.7	H	3.0	41.4	1.0	-57.2	-13.0	-44.2		
3576.50	-13.0	H	3.0	40.9	1.0	-52.9	-13.0	-39.9		