

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										
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
	Low Ch, 701.5MHz										
	1403.00	-19.4	V	3.0	41.7	1.0	-60.1	-13.0	-47.1		
	2104.50	-14.0	V	3.0	42.0	1.0	-54.9	-13.0	-41.9		
	2806.00	-16.2	V	3.0	41.5	1.0	-56.7	-13.0	-43.7		
	3507.50	-13.8	V	3.0	41.0	1.0	-53.8	-13.0	-40.8		
	1403.00	-18.5	H	3.0	41.7	1.0	-59.2	-13.0	-46.2		
	2104.50	-10.6	H	3.0	42.0	1.0	-51.6	-13.0	-38.6		
	2806.00	-16.8	H	3.0	41.5	1.0	-57.3	-13.0	-44.3		
	3507.50	-15.3	H	3.0	41.0	1.0	-55.2	-13.0	-42.2		
	Mid Ch, 707.5MHz										
1415.00	-16.2	V	3.0	41.7	1.0	-56.9	-13.0	-43.9			
2122.50	-13.9	V	3.0	41.9	1.0	-54.8	-13.0	-41.8			
2830.00	-16.7	V	3.0	41.4	1.0	-57.2	-13.0	-44.2			
3537.50	-12.4	V	3.0	41.0	1.0	-52.4	-13.0	-39.4			
1415.00	-16.4	H	3.0	41.7	1.0	-57.1	-13.0	-44.1			
2122.50	-11.8	H	3.0	41.9	1.0	-52.8	-13.0	-39.8			
2830.00	-16.7	H	3.0	41.4	1.0	-57.1	-13.0	-44.1			
3537.50	-15.3	H	3.0	41.0	1.0	-55.2	-13.0	-42.2			
High Ch, 713.5MHz											
1427.00	-17.6	V	3.0	41.7	1.0	-58.3	-13.0	-45.3			
2140.50	-13.4	V	3.0	41.9	1.0	-54.3	-13.0	-41.3			
2854.00	-16.7	V	3.0	41.4	1.0	-57.1	-13.0	-44.1			
3567.50	-12.8	V	3.0	41.0	1.0	-52.7	-13.0	-39.7			
1427.00	-17.4	H	3.0	41.7	1.0	-58.1	-13.0	-45.1			
2140.50	-11.9	H	3.0	41.9	1.0	-52.8	-13.0	-39.8			
2854.00	-17.0	H	3.0	41.4	1.0	-57.4	-13.0	-44.4			
3567.50	-14.5	H	3.0	41.0	1.0	-54.4	-13.0	-41.4			
LTE Band 12 5MHz 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, 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, 701.5MHz										
	1403.00	-19.3	V	3.0	41.7	1.0	-60.0	-13.0	-47.0		
	2104.50	-13.5	V	3.0	42.0	1.0	-54.4	-13.0	-41.4		
	2806.00	-16.0	V	3.0	41.5	1.0	-56.5	-13.0	-43.5		
	3507.50	-12.3	V	3.0	41.0	1.0	-52.3	-13.0	-39.3		
	1403.00	-18.8	H	3.0	41.7	1.0	-59.5	-13.0	-46.5		
	2104.50	-10.5	H	3.0	42.0	1.0	-51.5	-13.0	-38.5		
	2806.00	-16.3	H	3.0	41.5	1.0	-56.7	-13.0	-43.7		
	3507.50	-14.3	H	3.0	41.0	1.0	-54.3	-13.0	-41.3		
	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	-54.4	-13.0	-41.4			
2830.00	-16.6	V	3.0	41.4	1.0	-57.1	-13.0	-44.1			
3537.50	-12.3	V	3.0	41.0	1.0	-52.3	-13.0	-39.3			
1415.00	-16.5	H	3.0	41.7	1.0	-57.2	-13.0	-44.2			
2122.50	-11.0	H	3.0	41.9	1.0	-52.0	-13.0	-39.0			
2830.00	-16.8	H	3.0	41.4	1.0	-57.2	-13.0	-44.2			
3537.50	-15.3	H	3.0	41.0	1.0	-55.2	-13.0	-42.2			
High Ch, 713.5MHz											
1427.00	-18.8	V	3.0	41.7	1.0	-59.5	-13.0	-46.5			
2140.50	-12.4	V	3.0	41.9	1.0	-53.4	-13.0	-40.4			
2854.00	-15.9	V	3.0	41.4	1.0	-56.3	-13.0	-43.3			
3567.50	-11.2	V	3.0	41.0	1.0	-51.2	-13.0	-38.2			
1427.00	-17.5	H	3.0	41.7	1.0	-58.2	-13.0	-45.2			
2140.50	-10.7	H	3.0	41.9	1.0	-51.6	-13.0	-38.6			
2854.00	-16.7	H	3.0	41.4	1.0	-57.2	-13.0	-44.2			
3567.50	-13.8	H	3.0	41.0	1.0	-53.7	-13.0	-40.7			

LTE Band 12 3MHz 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, 3MHz Bandwidth								

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							