

NR Band n5

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4789424849							
Date:		2020-04-29							
Test Engineer:		20882							
Configuration:		EUT / AC Adapter / Earphone, X-Position							
Location:		Chamber 1							
Mode:		LTE_QPSK NR n5 Harmonics, 20MHz 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, 834MHz									
1668.00	-14.6	V	3.0	45.2	1.0	-58.8	-13.0	-45.8	
2502.00	-11.4	V	3.0	45.0	1.0	-55.4	-13.0	-42.4	
3336.00	-8.6	V	3.0	45.3	1.0	-52.9	-13.0	-39.9	
1668.00	-13.0	H	3.0	45.2	1.0	-57.2	-13.0	-44.2	
2502.00	-10.8	H	3.0	45.0	1.0	-54.8	-13.0	-41.8	
3336.00	-8.2	H	3.0	45.3	1.0	-52.4	-13.0	-39.4	
Mid Ch, 836.5MHz									
1673.00	-14.6	V	3.0	45.2	1.0	-58.8	-13.0	-45.8	
2509.50	-11.4	V	3.0	45.0	1.0	-55.4	-13.0	-42.4	
3346.00	-9.0	V	3.0	45.3	1.0	-53.2	-13.0	-40.2	
1673.00	-12.9	H	3.0	45.2	1.0	-57.1	-13.0	-44.1	
2509.50	-11.0	H	3.0	45.0	1.0	-55.0	-13.0	-42.0	
3346.00	-8.4	H	3.0	45.3	1.0	-52.6	-13.0	-39.6	
High Ch, 839MHz									
1678.00	-14.7	V	3.0	45.2	1.0	-58.9	-13.0	-45.9	
2517.00	-11.5	V	3.0	45.0	1.0	-55.5	-13.0	-42.5	
3356.00	-9.0	V	3.0	45.3	1.0	-53.3	-13.0	-40.3	
1678.00	-13.3	H	3.0	45.2	1.0	-57.5	-13.0	-44.5	
2517.00	-10.0	H	3.0	45.0	1.0	-54.0	-13.0	-41.0	
3356.00	-8.5	H	3.0	45.3	1.0	-52.8	-13.0	-39.8	

NR
 Band n5
 20MHz
 QPSK

NR Band n66

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4789424849							
Date:		2020-04-28							
Test Engineer:		20896							
Configuration:		EUT / AC Adapter / Earphone, Y-Position							
Location:		Chamber 1							
Mode:		LTE_QPSK NR n66 Harmonics, 20MHz 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, 1720MHz									
3440.00	3.1	V	3.0	45.3	1.0	-41.2	-13.0	-28.2	
5160.00	-7.7	V	3.0	45.3	1.0	-52.0	-13.0	-39.0	
6880.00	-5.5	V	3.0	44.5	1.0	-49.0	-13.0	-36.0	
3440.00	-0.8	H	3.0	45.3	1.0	-45.1	-13.0	-32.1	
5160.00	-8.1	H	3.0	45.3	1.0	-52.4	-13.0	-39.4	
6880.00	-5.5	H	3.0	44.5	1.0	-49.0	-13.0	-36.0	
Mid Ch, 1745MHz									
3490.00	4.3	V	3.0	45.3	1.0	-40.0	-13.0	-27.0	
5235.00	-5.4	V	3.0	45.3	1.0	-49.7	-13.0	-36.7	
6980.00	-4.9	V	3.0	44.4	1.0	-48.3	-13.0	-35.3	
3490.00	0.0	H	3.0	45.3	1.0	-44.3	-13.0	-31.3	
5235.00	-6.6	H	3.0	45.3	1.0	-50.9	-13.0	-37.9	
6980.00	-5.2	H	3.0	44.4	1.0	-48.6	-13.0	-35.6	
High Ch, 1770MHz									
3540.00	7.9	V	3.0	45.3	1.0	-36.4	-13.0	-23.4	
5310.00	-6.1	V	3.0	45.3	1.0	-50.3	-13.0	-37.3	
7080.00	-5.2	V	3.0	44.3	1.0	-48.5	-13.0	-35.5	
3540.00	0.7	H	3.0	45.3	1.0	-43.7	-13.0	-30.7	
5310.00	-6.6	H	3.0	45.3	1.0	-50.9	-13.0	-37.9	
7080.00	-5.1	H	3.0	44.3	1.0	-48.4	-13.0	-35.4	

NR
 Band n66
 20MHz
 QPSK

END OF TEST REPORT