

NR Band n77 (3450 – 3550 MHz, SRS1)

100MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4790270388 Date: 2/17/2022 Test Engineer: 19227 Configuration: EUT / AC Adapter, Y-Position Location: Chamber 2 Mode: 5G NR_QPSK NR n77 LO Harmonics, 100MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Mid Ch, 3499.98MHz									
	6999.96	-3.9	V	3.0	42.9	1.0	-45.8	-13.0	-32.8	
	10499.94	0.6	V	3.0	41.3	1.0	-39.7	-13.0	-26.7	
	13999.92	6.3	V	3.0	43.3	1.0	-35.9	-13.0	-22.9	
	6999.96	-3.8	H	3.0	42.9	1.0	-45.8	-13.0	-32.8	
	10499.94	1.0	H	3.0	41.3	1.0	-39.3	-13.0	-26.3	
	13999.92	6.5	H	3.0	43.3	1.0	-35.8	-13.0	-22.8	

NR Band n77 (3450 – 3550 MHz, SRS2)

100MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Samsung Project #: 4790270388 Date: 2/17/2022 Test Engineer: 19227 Configuration: EUT / AC Adapter, Z-Position Location: Chamber 2 Mode: 5G NR_QPSK NR n77 LO Harmonics, 100MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Mid Ch, 3499.98MHz									
	6999.96	-3.5	V	3.0	42.9	1.0	-45.4	-13.0	-32.4	
	10499.94	1.2	V	3.0	41.3	1.0	-39.1	-13.0	-26.1	
	13999.92	6.0	V	3.0	43.3	1.0	-36.3	-13.0	-23.3	
	6999.96	-3.4	H	3.0	42.9	1.0	-45.3	-13.0	-32.3	
	10499.94	1.5	H	3.0	41.3	1.0	-38.9	-13.0	-25.9	
	13999.92	7.0	H	3.0	43.3	1.0	-35.3	-13.0	-22.3	

NR Band n77 (3450 – 3550 MHz, SRS3)

100MHz QPSK	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement																																																																																																		
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NR Band n77(3700 – 3980 MHz, SRS1)

	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung Project #: 4790270388 Date: 2/18/2022 Test Engineer: 19227 Configuration: EUT / AC Adapter, X-Position Location: Chamber 2 Mode: 5G NR_QPSK NR n77 UP Harmonics, 90MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
90MHz QPSK	Low Ch, 3745MHz									
	7490.00	-3.8	V	3.0	42.7	1.0	-45.5	-13.0	-32.5	
	11235.00	2.6	V	3.0	41.6	1.0	-38.0	-13.0	-25.0	
	14980.00	8.3	V	3.0	43.9	1.0	-34.6	-13.0	-21.6	
	7490.00	-3.6	H	3.0	42.7	1.0	-45.3	-13.0	-32.3	
	11235.00	2.7	H	3.0	41.6	1.0	-38.0	-13.0	-25.0	
	14980.00	8.4	H	3.0	43.9	1.0	-34.5	-13.0	-21.5	
	Mid Ch, 3840MHz									
	7680.00	-3.5	V	3.0	42.6	1.0	-45.1	-13.0	-32.1	
	11520.00	3.4	V	3.0	41.8	1.0	-37.4	-13.0	-24.4	
	15360.00	8.2	V	3.0	43.8	1.0	-34.6	-13.0	-21.6	
	7680.00	-3.6	H	3.0	42.6	1.0	-45.2	-13.0	-32.2	
	11520.00	3.0	H	3.0	41.8	1.0	-37.8	-13.0	-24.8	
	15360.00	8.6	H	3.0	43.8	1.0	-34.2	-13.0	-21.2	
	High Ch, 3935MHz									
	7870.00	-3.4	V	3.0	42.5	1.0	-44.9	-13.0	-31.9	
	11805.00	3.8	V	3.0	41.9	1.0	-37.1	-13.0	-24.1	
	15740.00	8.4	V	3.0	43.7	1.0	-34.3	-13.0	-21.3	
	7870.00	-3.6	H	3.0	42.5	1.0	-45.1	-13.0	-32.1	
	11805.00	3.6	H	3.0	41.9	1.0	-37.3	-13.0	-24.3	
	15740.00	8.8	H	3.0	43.7	1.0	-33.9	-13.0	-20.9	

NR Band n77(3700 – 3980 MHz, SRS3)

	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company: Samsung Project #: 4790270388 Date: 2/18/2022 Test Engineer: 19227 Configuration: EUT / AC Adapter, Z-Position Location: Chamber 2 Mode: 5G NR_QPSK NR n77 UP Harmonics, 70MHz Bandwidth Test Votage: AC 120 V, 60 Hz									
	f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
70MHz QPSK	Low Ch, 3735MHz									
	7470.00	-3.5	V	3.0	42.7	1.0	-45.2	-13.0	-32.2	
	11205.00	2.5	V	3.0	41.6	1.0	-38.1	-13.0	-25.1	
	14940.00	8.4	V	3.0	43.9	1.0	-34.5	-13.0	-21.5	
	7470.00	-3.0	H	3.0	42.7	1.0	-44.7	-13.0	-31.7	
	11205.00	2.5	H	3.0	41.6	1.0	-38.1	-13.0	-25.1	
	14940.00	8.7	H	3.0	43.9	1.0	-34.1	-13.0	-21.1	
	Mid Ch, 3840MHz									
	7680.00	-3.6	V	3.0	42.6	1.0	-45.2	-13.0	-32.2	
	11520.00	3.2	V	3.0	41.8	1.0	-37.6	-13.0	-24.6	
	15360.00	8.4	V	3.0	43.8	1.0	-34.4	-13.0	-21.4	
	7680.00	-3.8	H	3.0	42.6	1.0	-45.4	-13.0	-32.4	
	11520.00	3.1	H	3.0	41.8	1.0	-37.7	-13.0	-24.7	
	15360.00	8.6	H	3.0	43.8	1.0	-34.2	-13.0	-21.2	
	High Ch, 3945MHz									
	7890.00	-3.5	V	3.0	42.5	1.0	-45.0	-13.0	-32.0	
	11835.00	3.7	V	3.0	41.9	1.0	-37.2	-13.0	-24.2	
	15780.00	8.5	V	3.0	43.7	1.0	-34.2	-13.0	-21.2	
	7890.00	-3.8	H	3.0	42.5	1.0	-45.3	-13.0	-32.3	
	11835.00	3.7	H	3.0	41.9	1.0	-37.2	-13.0	-24.2	
	15780.00	8.9	H	3.0	43.7	1.0	-33.8	-13.0	-20.8	

END OF REPORT