

APPENDIX G: NR LOWER BANDWIDTH RF CONDUCTED POWERS

All conducted power measurements for 5G Sub6 WWAN technologies and bands in this section were performed by setting *Reserve_power_margin* (Qualcomm® Smart Transmit EFS entry) to 0 dB, so that the EUT transmits continuously at minimum (P_{limit}, maximum tune up output power P_{max}).

Notes: 1) Some bands do not support three non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing. 2) Please see the original filing for all NR lower bandwidth RF conducted powers for bands that were not evaluated for this permissive change.

G.1 NR Lower Bandwidth RF Conducted Powers

G.1.1 NR Band n25 Antenna F

Table G-1
NR Band n25 Antenna F Measured P_{Limit} for DSI = 2 (Head) - 30 MHz Bandwidth

NR Band n25 30 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM $\pi/2$ BPSK	1	1	19.10	0	0.0
	1	80	19.08		0.0
	1	158	18.98		0.0
	80	0	19.25	0-0.5	0.0
	80	40	19.19	0	0.0
	80	80	19.08	0-0.5	0.0
	160	0	19.22		0.0
DFT-s-OFDM QPSK	1	1	19.13	0	0.0
	1	80	19.15		0.0
	1	158	19.03		0.0
	80	0	19.22	0-1	0.0
	80	40	19.20	0	0.0
	80	80	19.12	0-1	0.0
	160	0	19.16		0.0
DFT-s-OFDM 16QAM	1	1	19.43	0-1	0.0
CP-OFDM QPSK	1	1	19.09	0-1.5	0.0




FCC ID A3LSMS901U	 <small>Proud to be part of</small> 	SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 12/06/21	DUT Type: Portable Handset	APPENDIX G: Page 1 of 6		

Table G-2
NR Band n25 Antenna F Measured P_{Limit} for DSI = 2 (Head) - 25 MHz Bandwidth

NR Band n25 25 MHz Bandwidth					
Modulation	RB Size	RB Offset	Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			376500 (1882.5 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.62	0	0.0
	1	67	18.57		0.0
	1	131	18.50		0.0
	64	0	18.83	0-0.5	0.0
	64	35	18.73	0	0.0
	64	69	18.71	0-0.5	0.0
	128	0	18.75		0.0
DFT-s-OFDM QPSK	1	1	18.59	0	0.0
	1	67	18.57		0.0
	1	131	18.51		0.0
	64	0	18.81	0-1	0.0
	64	35	18.72	0	0.0
	64	69	18.71	0-1	0.0
	128	0	18.78		0.0
DFT-s-OFDM 16QAM	1	1	18.94	0-1	0.0
CP-OFDM QPSK	1	1	18.62	0-1.5	0.0



FCC ID A3LSMS901U	 PCTEST <small>Proud to be part of element</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 12/06/21	DUT Type: Portable Handset	APPENDIX G: Page 2 of 6		

Table G-3
NR Band n25 Antenna F Measured P_{Limit} for DSI = 2 (Head) - 20 MHz Bandwidth

NR Band n25 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			372000 (1860 MHz)	376500 (1882.5 MHz)	381000 (1905 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.55	18.43	18.44	0	0.0
	1	53	18.58	18.48	18.33		0.0
	1	104	18.56	18.36	18.22		0.0
	50	0	18.72	18.69	18.55	0-0.5	0.0
	50	28	18.67	18.68	18.49	0	0.0
	50	56	18.72	18.60	18.44	0-0.5	0.0
	100	0	18.66	18.62	18.48		0.0
DFT-s-OFDM QPSK	1	1	18.59	18.51	18.42	0	0.0
	1	53	18.61	18.47	18.34		0.0
	1	104	18.57	18.41	18.22		0.0
	50	0	18.68	18.67	18.52	0-1	0.0
	50	28	18.64	18.63	18.50	0	0.0
	50	56	18.75	18.55	18.42	0-1	0.0
	100	0	18.67	18.69	18.48		0.0
DFT-s-OFDM 16QAM	1	1	18.98	18.87	18.85	0-1	0.0
CP-OFDM QPSK	1	1	18.54	18.52	18.45	0-1.5	0.0



FCC ID A3LSMS901U	 PCTEST <small>Proud to be part of element</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 12/06/21	DUT Type: Portable Handset	APPENDIX G: Page 3 of 6		

Table G-4
NR Band n25 Antenna F Measured P_{Limit} for DSI = 2 (Head) - 15 MHz Bandwidth

NR Band n25 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371500 (1857.5 MHz)	376500 (1882.5 MHz)	381500 (1907.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.63	18.52	18.42	0	0.0
	1	40	18.49	18.47	18.27		0.0
	1	77	18.65	18.51	18.24		0.0
	36	0	18.71	18.65	18.45	0-0.5	0.0
	36	22	18.70	18.61	18.42	0	0.0
	36	43	18.69	18.57	18.43	0-0.5	0.0
	75	0	18.70	18.63	18.42		0.0
DFT-s-OFDM QPSK	1	1	18.66	18.57	18.36	0	0.0
	1	40	18.56	18.47	18.28		0.0
	1	77	18.74	18.52	18.19		0.0
	36	0	18.75	18.67	18.47	0-1	0.0
	36	22	18.69	18.63	18.44	0	0.0
	36	43	18.68	18.61	18.43	0-1	0.0
	75	0	18.69	18.62	18.47		0.0
DFT-s-OFDM 16QAM	1	1	19.07	18.92	18.72	0-1	0.0
CP-OFDM QPSK	1	1	18.63	18.56	18.41	0-1.5	0.0



FCC ID A3LSMS901U	 PCTEST <small>Proud to be part of the element</small>	SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 12/06/21	DUT Type: Portable Handset	APPENDIX G: Page 4 of 6		

Table G-5
NR Band n25 Antenna F Measured P_{Limit} for DSI = 2 (Head) - 10 MHz Bandwidth

NR Band n25 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			371000 (1855 MHz)	376500 (1882.5 MHz)	382000 (1910 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.46	18.33	18.17	0	0.0
	1	26	18.44	18.35	18.07		0.0
	1	50	18.34	18.28	18.09		0.0
	25	0	18.55	18.54	18.22	0-0.5	0.0
	25	14	18.57	18.52	18.26	0	0.0
	25	27	18.51	18.46	18.23	0-0.5	0.0
	50	0	18.52	18.57	18.31		0.0
DFT-s-OFDM QPSK	1	1	18.42	18.32	18.21	0	0.0
	1	26	18.46	18.48	18.17		0.0
	1	50	18.34	18.41	18.08		0.0
	25	0	18.54	18.51	18.28	0-1	0.0
	25	14	18.52	18.47	18.23	0	0.0
	25	27	18.49	18.45	18.17	0-1	0.0
	50	0	18.52	18.52	18.24		0.0
DFT-s-OFDM 16QAM	1	1	18.85	18.76	18.61	0-1	0.0
CP-OFDM QPSK	1	1	18.41	18.26	18.21	0-1.5	0.0







FCC ID A3LSMS901U	 PCTEST <small>Proud to be part of</small> 	SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 12/06/21	DUT Type: Portable Handset			APPENDIX G: Page 5 of 6

Table G-6
NR Band n25 Antenna F Measured P_{Limit} for DSI = 2 (Head) - 5 MHz Bandwidth

NR Band n25 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
			370500 (1852.5 MHz)	376500 (1882.5 MHz)	382500 (1912.5 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM $\pi/2$ BPSK	1	1	18.39	18.47	18.00	0	0.0
	1	13	18.34	18.36	18.07		0.0
	1	23	18.41	18.43	18.05		0.0
	12	0	18.42	18.43	18.16	0-0.5	0.0
	12	7	18.40	18.41	18.11	0	0.0
	12	13	18.42	18.43	18.15	0-0.5	0.0
	25	0	18.46	18.46	18.18		0.0
DFT-s-OFDM QPSK	1	1	18.36	18.43	18.06	0	0.0
	1	13	18.35	18.36	18.12		0.0
	1	23	18.45	18.43	18.05		0.0
	12	0	18.46	18.49	18.18	0-1	0.0
	12	7	18.41	18.44	18.17	0	0.0
	12	13	18.45	18.47	18.16	0-1	0.0
	25	0	18.42	18.42	18.15		0.0
DFT-s-OFDM 16QAM	1	1	18.79	18.81	18.53	0-1	0.0
CP-OFDM QPSK	1	1	18.36	18.42	18.02	0-1.5	0.0

FCC ID A3LSMS901U	 PCTEST <small>Proud to be part of</small> 	SAR EVALUATION REPORT		Approved by: Quality Manager
Test Dates: 12/06/21	DUT Type: Portable Handset			APPENDIX G: Page 6 of 6