

APPENDIX I: NR LOWER BANDWIDTH RF CONDUCTED POWERS

All conducted power measurements for 4G/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}).

See the original filling for all LTE/NR lower bandwidth RF conducted powers for bands that were not evaluated for this permissive change.

I.1 NR Lower Bandwidth RF Conducted Powers

I.1.1 NR Band n48

Table I-1

NR Band n48 Measured P_{Limit} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 3 (Hotspot mode active), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) - 30 MHz Bandwidth

NR Band n48 30 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			637668 (3565.02 MHz)	640334 (3605.01 MHz)	643000 (3645 MHz)	645666 (3684.99 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	15.81	15.41	15.36	15.50	0	0.0
	1	39	15.67	15.27	15.37	15.55		0.0
	1	76	15.39	15.14	15.23	15.98		0.0
	36	0	15.69	15.29	15.29	15.36	0-0.5	0.0
	36	21	15.56	15.22	15.27	15.49	0	0.0
	36	42	15.36	15.16	15.24	15.76	0-0.5	0.0
	75	0	15.55	15.22	15.32	15.57		0.0
DFT-s-OFDM QPSK	1	1	15.85	15.48	15.33	15.57	0	0.0
	1	39	15.57	15.34	15.37	15.59		0.0
	1	76	15.40	15.33	15.34	15.96		0.0
	36	0	15.71	15.25	15.27	15.42	0-1	0.0
	36	21	15.53	15.21	15.33	15.54	0	0.0
	36	42	15.35	15.17	15.32	15.76	0-1	0.0
	75	0	15.49	15.21	15.35	15.55		0.0
DFT-s-OFDM 16QAM	1	1	15.61	15.52	15.19	15.44	0-1	0.0
CP-OFDM QPSK	1	1	15.71	15.37	15.27	15.53	0-1.5	0.0




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Table I-2
NR Band n48 Measured P_{Limit} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 3 (Hotspot mode active), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) - 20 MHz Bandwidth

NR Band n48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			637334 (3560.01 MHz)	640222 (3603.33 MHz)	643112 (3646.68 MHz)	646000 (3690 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	15.46	15.19	15.20	15.30	0	0.0
	1	26	15.32	14.98	15.29	15.43		0.0
	1	49	15.26	15.10	15.39	15.74		0.0
	25	0	15.35	15.08	15.27	15.23	0-0.5	0.0
	25	13	15.34	15.04	15.34	15.42	0	0.0
	25	26	15.24	15.12	15.32	15.55	0-0.5	0.0
	50	0	15.34	15.03	15.37	15.43		0.0
DFT-s-OFDM QPSK	1	1	15.34	15.27	15.23	15.38	0	0.0
	1	26	15.23	15.11	15.29	15.41		0.0
	1	49	15.17	15.14	15.40	15.74		0.0
	25	0	15.33	15.08	15.24	15.26	0-1	0.0
	25	13	15.31	15.02	15.32	15.47	0	0.0
	25	26	15.26	15.08	15.28	15.58	0-1	0.0
	50	0	15.31	15.02	15.31	15.45		0.0
DFT-s-OFDM 16QAM	1	1	15.39	15.15	15.18	15.41	0-1	0.0
CP-OFDM QPSK	1	1	15.38	15.13	15.08	15.53	0-1.5	0.0



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Table I-3

NR Band n48 Measured P_{Limit} for DSI = 0 (Body-worn, or Phablet with grip sensor inactive), or DSI = 3 (Hotspot mode active), or DSI = 1 (Phablet with grip sensor active) and/or DSI = 4 (Earjack Active) - 10 MHz Bandwidth

NR Band n48 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]	
			637000 (3555 MHz)	640112 (3601.68 MHz)	643222 (3648.33 MHz)	646332 (3694.98 MHz)			
			Conducted Power [dBm]						
DFT-s-OFDM $\pi/2$ BPSK	1	1	15.79	15.27	15.25	15.36	0	0.0	
	1	12	15.61	15.28	15.20	15.46		0.0	
	1	22	15.49	15.17	15.20	15.70		0.0	
		12	0	15.66	15.14	15.15	15.37	0-0.5	0.0
		12	6	15.57	15.18	15.18	15.44	0	0.0
		12	12	15.42	15.19	15.24	15.30	0-0.5	0.0
		24	0	15.61	15.18	15.18	15.28		0.0
DFT-s-OFDM QPSK	1	1	15.61	15.21	15.27	15.36	0	0.0	
	1	12	15.65	15.22	15.20	15.31		0.0	
	1	22	15.52	15.12	15.21	15.62		0.0	
		12	0	15.69	15.16	15.29	15.50	0-1	0.0
		12	6	15.57	15.21	15.22	15.37	0	0.0
		12	12	15.43	15.21	15.20	15.21	0-1	0.0
		24	0	15.60	15.16	15.20	15.36		0.0
DFT-s-OFDM 16QAM	1	1	15.68	15.20	15.31	15.15	0-1	0.0	
CP-OFDM QPSK	1	1	15.62	15.17	15.21	15.37	0-1.5	0.0	



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Table I-4
NR Band n48 Measured P_{Limit} for DSI = 2 (Head) - 30 MHz Bandwidth

NR Band n48 30 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			637668 (3565.02 MHz)	640334 (3605.01 MHz)	643000 (3645 MHz)	645666 (3684.99 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	13.93	13.72	13.79	13.68	0	0.0
	1	39	13.95	13.94	13.74	13.53		0.0
	1	76	13.98	13.90	13.59	13.40		0.0
	36	0	13.91	14.00	13.63	13.57	0-0.5	0.0
	36	21	13.92	13.97	13.54	13.50	0	0.0
	36	42	13.94	13.79	13.46	13.45	0-0.5	0.0
	75	0	14.00	13.90	13.51	13.60		0.0
DFT-s-OFDM QPSK	1	1	13.99	13.94	13.55	13.65	0	0.0
	1	39	14.00	13.97	13.62	13.65		0.0
	1	76	13.98	13.79	13.43	13.37		0.0
	36	0	13.99	13.96	13.56	13.66	0-1	0.0
	36	21	13.97	13.64	13.54	13.59	0	0.0
	36	42	14.00	13.96	13.56	13.50	0-1	0.0
	75	0	13.90	13.90	13.52	13.53		0.0
DFT-s-OFDM 16QAM	1	1	13.97	13.91	13.63	13.62	0-1	0.0
CP-OFDM QPSK	1	1	13.98	13.98	13.72	13.58	0-1.5	0.0

Table I-5
NR Band n48 Measured P_{Limit} for DSI = 2 (Head) - 20 MHz Bandwidth

NR Band n48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]
			637334 (3560.01 MHz)	640222 (3603.33 MHz)	643112 (3646.68 MHz)	646000 (3690 MHz)		
			Conducted Power [dBm]					
DFT-s-OFDM $\pi/2$ BPSK	1	1	13.94	13.72	13.94	13.71	0	0.0
	1	26	13.87	13.80	13.74	13.48		0.0
	1	49	13.98	13.75	13.83	13.63		0.0
	25	0	13.96	13.73	13.85	13.66	0-0.5	0.0
	25	13	13.92	13.78	13.91	13.72	0	0.0
	25	26	13.99	13.77	13.81	13.73	0-0.5	0.0
	50	0	13.98	13.76	13.90	13.62		0.0
DFT-s-OFDM QPSK	1	1	13.88	13.82	13.87	13.84	0	0.0
	1	26	13.83	13.89	13.67	13.55		0.0
	1	49	13.77	13.77	13.87	13.60		0.0
	25	0	13.89	13.89	13.85	13.65	0-1	0.0
	25	13	13.89	13.86	13.85	13.52	0	0.0
	25	26	13.99	13.83	13.91	13.61	0-1	0.0
50	0	13.97	13.82	13.88	13.62	0.0		
DFT-s-OFDM 16QAM	1	1	13.98	14.00	13.68	13.78	0-1	0.0
CP-OFDM QPSK	1	1	13.96	13.86	13.76	13.60	0-1.5	0.0







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Table I-6
NR Band n48 Measured P_{Limit} for DSI = 2 (Head) - 10 MHz Bandwidth

NR Band n48 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Channel				MPR Allowed per 3GPP [dB]	MPR [dB]	
			637000 (3555 MHz)	640112 (3601.68 MHz)	643222 (3648.33 MHz)	646332 (3694.98 MHz)			
			Conducted Power [dBm]						
DFT-s-OFDM $\pi/2$ BPSK	1	1	13.81	13.68	13.47	13.70	0	0.0	
	1	12	13.90	13.77	13.70	13.50		0.0	
	1	22	13.96	13.72	13.61	13.41		0.0	
		12	0	13.89	13.71	13.75	13.40	0-0.5	0.0
		12	6	13.93	13.70	13.79	13.57	0	0.0
		12	12	13.95	13.69	13.96	13.51	0-0.5	0.0
		24	0	13.96	13.73	13.72	13.34		0.0
DFT-s-OFDM QPSK	1	1	13.96	13.70	13.48	13.60	0	0.0	
	1	12	13.95	13.72	13.51	13.62		0.0	
	1	22	13.97	13.69	13.45	13.55		0.0	
		12	0	13.86	13.75	13.68	13.30	0-1	0.0
		12	6	13.92	13.71	13.65	13.75	0	0.0
		12	12	13.98	13.73	13.76	13.42	0-1	0.0
		24	0	13.99	13.70	13.65	13.48		0.0
DFT-s-OFDM 16QAM	1	1	13.69	13.75	13.72	13.51	0-1	0.0	
CP-OFDM QPSK	1	1	13.89	13.78	13.73	13.29	0-1.5	0.0	

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