

Appendix E RF Conducted Powers

Appendix E.1 5G NR

5G NR n41

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 501204 (2506.02 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 535998 (2679.99 MHz)
n41	30	20	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	25.55	25.48	25.63
				QPSK		1	1	25.37	25.32	25.40
				16QAM		1	1	24.38	24.35	24.45
				64QAM		1	1	23.66	23.65	23.69
				256QAM		1	1	22.13	21.88	21.35
				Pi/2 BPSK	Inner_1RB Right	1	49	25.37	25.56	24.75
				QPSK		1	49	25.37	25.44	24.57
				Pi/2 BPSK	Inner_Full	25	12	25.37	25.47	25.28
				QPSK		25	12	25.37	25.43	25.15
				Pi/2 BPSK	Outer_Full	50	0	25.58	25.04	24.79
				QPSK		50	0	25.17	24.64	24.38
				Pi/2 BPSK	Edge_1RB Left	1	0	23.02	23.05	23.07
				QPSK		1	0	22.51	22.59	22.59
				Pi/2 BPSK	Edge_Full Left	2	0	23.02	23.05	23.00
				QPSK		2	0	22.63	22.63	22.64
				Pi/2 BPSK	Edge_1RB Right	1	50	23.02	23.05	23.05
				QPSK		1	50	22.72	22.59	23.05
				Pi/2 BPSK	Edge_Full Right	2	49	23.02	23.05	23.05
				QPSK		2	49	22.79	22.66	22.53
							CP-OFDM	QPSK	Inner_1RB Left	1

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 502200 (2511 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 534996 (2674.98 MHz)
n41	30	30	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	25.65	25.74	25.55
				QPSK		1	1	25.26	25.49	25.67
				16QAM		1	1	24.30	24.49	24.75
				64QAM		1	1	22.74	22.97	23.31
				256QAM		1	1	22.05	21.46	21.44
				Pi/2 BPSK	Inner_1RB Right	1	76	25.56	25.80	24.86
				QPSK		1	76	25.83	25.57	24.56
				Pi/2 BPSK	Inner_Full	36	18	25.59	25.64	25.72
				QPSK		36	18	25.55	25.44	25.49
				Pi/2 BPSK	Outer_Full	75	0	25.75	25.26	25.21
				QPSK		75	0	25.24	24.79	24.78
				Pi/2 BPSK	Edge_1RB Left	1	0	23.08	23.07	23.09
				QPSK		1	0	22.66	22.68	22.96
				Pi/2 BPSK	Edge_Full Left	2	0	23.00	23.01	23.00
				QPSK		2	0	22.69	22.75	23.02
				Pi/2 BPSK	Edge_1RB Right	1	77	23.02	23.07	23.05
				QPSK		1	77	22.92	22.89	22.88
				Pi/2 BPSK	Edge_Full Right	2	76	23.00	23.00	23.08
				QPSK		2	76	23.01	22.96	22.92
						CP-OFDM	QPSK	Inner_1RB Left	1	1

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 503202 (2516.01 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 534000 (2670 MHz)
n41	30	40	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	25.67	25.65	25.70
				QPSK		1	1	24.97	25.46	25.76
				16QAM		1	1	24.01	24.51	24.78
				64QAM		1	1	23.41	23.70	23.96
				256QAM		1	1	22.13	21.53	21.41
				Pi/2 BPSK	Inner_1RB Right	1	104	25.56	25.88	24.86
				QPSK		1	104	25.83	25.57	24.56
				Pi/2 BPSK	Inner_Full	50	25	25.59	25.64	25.72
				QPSK		50	25	25.55	25.44	25.49
				Pi/2 BPSK	Outer_Full	100	0	25.75	25.26	25.21
				QPSK		100	0	25.24	24.79	24.78
				Pi/2 BPSK	Edge_1RB Left	1	0	23.08	23.07	23.09
				QPSK		1	0	22.66	22.68	22.96
				Pi/2 BPSK	Edge_Full Left	2	0	23.00	23.01	23.00
				QPSK		2	0	22.69	22.75	23.02
				Pi/2 BPSK	Edge_1RB Right	1	105	23.02	23.07	23.05
				QPSK		1	105	22.92	22.89	22.88
				Pi/2 BPSK	Edge_Full Right	2	104	23.00	23.00	23.08
				QPSK		2	104	23.01	22.96	22.92
							CP-OFDM	QPSK	Inner_1RB Left	1

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 504204 (2521.02 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 532998 (2664.99 MHz)
n41	30	50	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	25.60	25.39	25.70
				QPSK		1	1	24.97	25.21	25.88
				16QAM		1	1	24.01	24.14	24.91
				64QAM		1	1	23.41	23.15	23.95
				256QAM		1	1	22.12	21.94	21.69
				Pi/2 BPSK	Inner_1RB Right	1	131	25.60	25.88	24.86
				QPSK		1	131	25.83	25.57	24.56
				Pi/2 BPSK	Inner_Full	64	32	25.59	25.64	25.72
				QPSK		64	32	25.55	25.44	25.49
				Pi/2 BPSK	Outer_Full	128	0	25.75	25.26	25.21
				QPSK		128	0	25.24	24.79	24.78
				Pi/2 BPSK	Edge_1RB Left	1	0	23.08	23.07	23.09
				QPSK		1	0	22.66	22.68	22.96
				Pi/2 BPSK	Edge_Full Left	2	0	23.00	23.01	23.00
				QPSK		2	0	22.69	22.75	23.02
				Pi/2 BPSK	Edge_1RB Right	1	132	23.02	23.07	23.05
				QPSK		1	132	22.92	22.89	22.88
				Pi/2 BPSK	Edge_Full Right	2	131	23.00	23.00	23.08
				QPSK		2	131	23.01	22.96	22.92
			CP-OFDM	QPSK	Inner_1RB Left	1	1	23.48	23.68	23.91

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 505200 (2526 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 531996 (2659.98 MHz)
n41	30	60	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	25.11	25.18	25.56
				QPSK		1	1	24.01	25.03	25.70
				16QAM		1	1	23.05	24.01	25.04
				64QAM		1	1	21.87	22.98	23.78
				256QAM		1	1	22.28	21.45	20.40
				Pi/2 BPSK	Inner_1RB Right	1	160	24.89	25.54	24.43
				QPSK		1	160	24.03	25.72	24.36
				Pi/2 BPSK	Inner_Full	81	40	25.62	25.46	25.68
				QPSK		81	40	25.09	25.30	25.59
				Pi/2 BPSK	Outer_Full	162	0	25.25	25.09	25.20
				QPSK		162	0	24.43	24.85	24.75
				Pi/2 BPSK	Edge_1RB Left	1	0	23.08	23.07	23.09
				QPSK		1	0	22.66	22.68	22.96
				Pi/2 BPSK	Edge_Full Left	2	0	23.00	23.01	23.00
				QPSK		2	0	22.69	22.75	23.02
				Pi/2 BPSK	Edge_1RB Right	1	161	23.02	23.07	23.05
				QPSK		1	161	22.92	22.89	22.88
				Pi/2 BPSK	Edge_Full Right	2	160	23.00	23.00	23.08
				QPSK		2	160	23.01	22.96	22.92
			CP-OFDM	QPSK	Inner_1RB Left	1	1	23.48	23.68	23.91

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 507204 (2536.02 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 529998 (2649.99 MHz)
n41	30	80	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	25.38	24.86	25.73
				QPSK		1	1	24.34	24.73	25.55
				16QAM		1	1	23.37	23.75	24.55
				64QAM		1	1	22.30	22.76	23.57
				256QAM		1	1	21.98	21.68	20.79
				Pi/2 BPSK	Inner_1RB Right	1	215	25.61	25.30	24.55
				QPSK		1	215	24.46	25.36	24.37
				Pi/2 BPSK	Inner_Full	108	54	25.60	25.57	25.70
				QPSK		108	54	25.03	25.42	25.78
				Pi/2 BPSK	Outer_Full	216	0	25.25	25.09	25.20
				QPSK		216	0	24.43	24.85	24.75
				Pi/2 BPSK	Edge_1RB Left	1	0	23.08	23.07	23.09
				QPSK		1	0	22.66	22.68	22.96
				Pi/2 BPSK	Edge_Full Left	2	0	23.00	23.01	23.00
				QPSK		2	0	22.69	22.75	23.02
				Pi/2 BPSK	Edge_1RB Right	1	216	23.02	23.07	23.05
				QPSK		1	216	22.92	22.89	22.88
				Pi/2 BPSK	Edge_Full Right	2	215	23.00	23.00	23.08
				QPSK		2	215	23.01	22.96	22.92
			CP-OFDM	QPSK	Inner_1RB Left	1	1	23.48	23.68	23.91

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 508200 (2541 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 528996 (2644.98 MHz)
n41	30	90	DFT-s-OFDM	Pi/2 BPSK	1	1	24.99	24.76	25.50
				QPSK	1	1	24.72	24.72	25.43
				16QAM	1	1	23.72	23.72	24.49
				64QAM	1	1	22.32	22.32	23.03
				256QAM	1	1	22.15	20.84	21.06
				Pi/2 BPSK	1	243	24.95	25.56	24.54
				QPSK	1	243	25.00	25.58	24.49
				Pi/2 BPSK	243	0	25.03	25.30	25.60
				QPSK	243	0	25.02	24.99	25.32
				Pi/2 BPSK	1	0	23.08	23.07	23.09
				QPSK	1	0	22.66	22.68	22.96
				Pi/2 BPSK	2	0	23.00	23.01	23.00
				QPSK	2	0	22.69	22.75	23.02
				Pi/2 BPSK	1	244	23.02	23.07	23.05
				QPSK	1	244	22.92	22.89	22.88
				Pi/2 BPSK	2	243	23.00	23.00	23.08
				QPSK	2	243	23.01	22.96	22.92
			CP-OFDM	QPSK	1	1	23.48	23.68	23.91

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 509202 (2546.01 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 528000 (2640 MHz)
n41	30	100	DFT-s-OFDM	Pi/2 BPSK	1	1	25.84	25.89	25.89
				QPSK	1	1	24.34	24.71	24.95
				16QAM	1	1	23.37	23.72	23.93
				64QAM	1	1	22.30	22.23	22.43
				256QAM	1	1	22.26	21.00	21.40
				Pi/2 BPSK	1	271	25.61	25.59	24.37
				QPSK	1	271	24.46	25.84	24.25
				Pi/2 BPSK	135	67	25.80	25.83	25.79
				QPSK	135	67	25.03	25.48	25.83
				Pi/2 BPSK	270	0	25.00	24.99	25.23
				QPSK	270	0	24.90	24.80	25.04
				Pi/2 BPSK	1	0	23.08	23.07	23.09
				QPSK	1	0	22.66	22.68	22.96
				Pi/2 BPSK	2	0	23.00	23.01	23.00
				QPSK	2	0	22.69	22.75	23.02
				Pi/2 BPSK	1	272	23.02	23.07	23.05
				QPSK	1	272	22.92	22.89	22.88
				Pi/2 BPSK	2	271	23.00	23.00	23.08
				QPSK	2	271	23.01	22.96	22.92
			CP-OFDM	QPSK	1	1	23.48	23.68	23.91



5G NR n41 MIMO

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 501204 (2506.02 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 535998 (2679.99 MHz)
n41	30	20	CP-OFDM	QPSK	Inner_1RB Left	1	1	24.27	24.30	24.14
				16QAM		1	1	24.08	24.23	24.03
				64QAM		1	1	23.50	23.60	23.77
				256QAM		1	1	19.80	19.78	19.73
				QPSK	Inner_1RB Right	1	49	24.29	24.34	24.12
				QPSK	Inner_Full	25	12	24.30	24.31	24.18
				QPSK	Outer_Full	51	0	23.35	23.36	23.22
				QPSK	Edge_1RB Left	1	0	22.78	22.76	22.62
				QPSK	Edge_Full Left	2	0	22.81	22.76	22.64
				QPSK	Edge_1RB Right	1	50	22.71	22.81	22.65
				QPSK	Edge_Full Right	2	49	22.69	22.84	22.62

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 502200 (2511 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 534996 (2674.98 MHz)
n41	30	30	CP-OFDM	QPSK	Inner 1RB Left	1	1	24.89	24.33	24.37
				16QAM		1	1	24.40	24.30	24.25
				64QAM		1	1	23.80	23.88	23.78
				256QAM		1	1	20.10	19.83	19.77
				QPSK	Inner 1RB Right	1	76	24.81	24.45	24.47
				QPSK	Inner Full	39	19	24.01	24.34	24.36
				QPSK	Outer Full	78	0	23.31	23.35	23.42
				QPSK	Edge 1RB Left	1	0	22.90	22.78	22.83
				QPSK	Edge Full Left	2	0	22.90	22.80	22.84
				QPSK	Edge 1RB Right	1	77	22.82	22.94	23.05
				QPSK	Edge Full Right	2	76	21.06	22.94	22.97

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 503202 (2516.01 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 534000 (2670 MHz)
n41	30	40	CP-OFDM	QPSK	Inner_1RB Left	1	1	24.80	24.77	24.77
				16QAM		1	1	24.23	24.26	24.23
				64QAM		1	1	23.45	23.44	23.40
				256QAM		1	1	19.82	19.76	19.82
				QPSK	Inner_1RB Right	1	104	24.54	24.34	24.32
				QPSK	Inner_Full	53	26	24.72	24.84	24.77
				QPSK	Outer_Full	106	0	23.23	23.37	23.31
				QPSK	Edge_1RB Left	1	0	22.87	22.80	22.77
				QPSK	Edge_Full Left	2	0	21.07	22.76	21.03
				QPSK	Edge_1RB Right	1	105	22.55	22.98	22.93
				QPSK	Edge_Full Right	2	104	22.54	22.92	22.86

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 504204 (2521.02 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 532998 (2664.99 MHz)
n41	30	50	CP-OFDM	QPSK	Inner_1RB Left	1	1	24.23	24.17	24.23
				16QAM		1	1	24.19	24.12	24.16
				64QAM		1	1	23.22	23.21	23.20
				256QAM		1	1	19.78	19.73	19.85
				QPSK	Inner_1RB Right	1	131	24.02	24.36	24.28
				QPSK	Inner_Full	67	33	24.25	24.34	24.19
				QPSK	Outer_Full	133	0	23.18	23.34	23.26
				QPSK	Edge_1RB Left	1	0	22.76	22.67	22.75
				QPSK	Edge_Full Left	2	0	22.73	22.64	22.72
				QPSK	Edge_1RB Right	1	132	22.48	22.84	22.85
				QPSK	Edge_Full Right	2	131	22.52	22.79	22.82



Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 505200 (2526 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 531996 (2659.98 MHz)
n41	30	60	CP-OFDM	QPSK	Inner_1RB Left	1	1	24.11	23.98	24.65
				16QAM		1	1	24.08	23.88	24.10
				64QAM		1	1	23.50	23.54	23.55
				256QAM		1	1	19.72	19.43	19.59
				QPSK	Inner_1RB Right	1	160	23.86	24.29	24.76
				QPSK	Inner_Full	81	40	24.09	24.30	24.59
				QPSK	Outer_Full	162	0	23.08	23.30	23.12
				QPSK	Edge_1RB Left	1	0	22.66	22.45	22.56
				QPSK	Edge_Full Left	2	0	22.63	22.43	22.58
				QPSK	Edge_1RB Right	1	161	22.36	22.75	22.77
				QPSK	Edge_Full Right	2	160	22.33	22.76	22.74

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 507204 (2536.02 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 529998 (2649.99 MHz)
n41	30	80	CP-OFDM	QPSK	Inner 1RB Left	1	1	24.31	23.85	24.26
				16QAM		1	1	24.20	23.58	23.74
				64QAM		1	1	23.30	23.32	23.30
				256QAM		1	1	19.83	19.72	19.75
				QPSK	Inner 1RB Right	1	215	23.89	23.72	23.45
				QPSK	Inner Full	109	54	24.02	24.01	24.35
				QPSK	Outer Full	217	0	23.00	23.08	23.24
				QPSK	Edge 1RB Left	1	0	22.75	22.57	22.79
				QPSK	Edge Full Left	2	0	22.72	22.52	22.75
				QPSK	Edge 1RB Right	1	216	22.37	22.65	22.12
				QPSK	Edge Full Right	2	215	22.37	22.68	22.12

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 508200 (2541 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 528996 (2644.98 MHz)
n41	30	90	CP-OFDM	QPSK	Inner_1RB Left	1	1	24.44	23.79	24.37
				16QAM		1	1	24.29	23.57	23.75
				64QAM		1	1	23.02	23.03	23.04
				256QAM		1	1	20.12	19.77	19.90
				QPSK	Inner_1RB Right	1	243	23.96	23.75	23.57
				QPSK	Inner_Full	123	61	24.09	23.81	24.49
				QPSK	Outer_Full	245	0	23.21	23.07	23.14
				QPSK	Edge_1RB Left	1	0	22.89	22.61	22.95
				QPSK	Edge_Full Left	2	0	22.85	22.56	22.95
				QPSK	Edge_1RB Right	1	244	22.43	22.78	22.07
				QPSK	Edge_Full Right	2	243	22.41	22.74	22.08

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel 509202 (2546.01 MHz)	Mid Channel 518598 (2592.99 MHz)	High Channel 528000 (2640 MHz)
n41	30	100	CP-OFDM	QPSK	Inner 1RB Left	1	1	24.90	24.90	24.78
				16QAM		1	1	24.26	23.71	23.58
				64QAM		1	1	23.05	23.06	23.07
				256QAM		1	1	20.34	19.74	19.76
				QPSK	Inner 1RB Right	1	271	23.94	23.48	23.11
				QPSK	Inner Full	137	68	24.77	24.79	24.75
				QPSK	Outer Full	273	0	23.11	22.91	22.91
				QPSK	Edge 1RB Left	1	0	22.89	22.56	22.75
				QPSK	Edge Full Left	2	0	22.86	22.52	22.72
				QPSK	Edge 1RB Right	1	272	22.42	22.59	21.78
				QPSK	Edge Full Right	2	271	22.39	22.63	21.79