

Appendix E RF Conducted Powers

Appendix E.1 GSM Conducted Powers

GSM 850				
Mode		Conducted Output Power		
		128	190	251
		(824.2 MHz)	(836.6 MHz)	(848.8 MHz)
		(dB m)	(dB m)	(dB m)
VOICE		33.28	33.72	33.67
GPRS	1 Tx slot	33.24	33.71	33.63
	2 Tx slot	33.19	33.66	33.59
EGPRS	1 Tx slot	26.52	26.97	26.82
	2 Tx slot	26.49	26.98	26.79

GSM 1900				
Mode		Conducted Output Power		
		512	661	810
		(1 850.2 MHz)	(1 880.0 MHz)	(1 909.8 MHz)
		(dB m)	(dB m)	(dB m)
VOICE		29.56	29.96	29.82
GPRS	1 Tx slot	29.62	29.96	29.85
	2 Tx slot	29.59	29.65	29.56
EGPRS	1 Tx slot	25.08	25.48	25.53
	2 Tx slot	24.96	25.32	25.38

Appendix E.2 WCDMA Conducted Powers

WCDMA II				
Mode	3GPP 34.121 Subtest	Conducted Output Power		
		9262	9400	9538
		(1 852.4 MHz)	(1 880.0 MHz)	(1 907.6 MHz)
		(dB m)	(dB m)	(dB m)
Release 99	12.2 Kbps RMC	23.74	23.75	23.42
HSDPA	Subtest 1	22.74	22.59	22.48
	Subtest 2	22.89	22.69	22.57
	Subtest 3	22.3	22.11	22.02
	Subtest 4	22.22	22.06	21.97
HSUPA	Subtest 1	22.70	22.52	22.48
	Subtest 2	20.89	19.96	19.91
	Subtest 3	21.96	21.79	21.59
	Subtest 4	20.96	20.75	20.70
	Subtest 5	22.77	22.63	22.55
DC-HSDPA	Subtest 1	22.76	22.64	22.60
	Subtest 2	22.84	22.69	22.58
	Subtest 3	22.36	22.17	22.11
	Subtest 4	22.22	22.07	21.98
HSPA+		22.33	22.18	22.14

WCDMA IV				
Mode	3GPP 34.121 Subtest	Conducted Output Power		
		1312	1413	1513
		(1 712.4 MHz)	(1 732.6 MHz)	(1 752.6 MHz)
		(dB m)	(dB m)	(dB m)
Release 99	12.2 Kbps RMC	23.24	23.67	23.61
HSDPA	Subtest 1	22.26	22.48	22.63
	Subtest 2	22.36	22.56	22.78
	Subtest 3	21.79	22.02	22.14
	Subtest 4	21.82	22.04	22.13
HSUPA	Subtest 1	22.31	22.52	22.65
	Subtest 2	20.43	20.08	20.13
	Subtest 3	21.37	21.72	21.70
	Subtest 4	20.22	20.69	20.84
	Subtest 5	22.36	22.59	22.70
DC-HSDPA	Subtest 1	22.43	22.61	22.76
	Subtest 2	22.46	22.66	22.68
	Subtest 3	21.97	22.15	22.27
	Subtest 4	21.92	22.11	22.24
HSPA+		21.95	22.07	22.25

WCDMA V				
Mode	3GPP 34.121 Subtest	Conducted Output Power		
		4132	4183	4233
		(826.4 MHz)	(836.6 MHz)	(846.6 MHz)
		(dB m)	(dB m)	(dB m)
Release 99	12.2 Kbps RMC	23.84	23.85	23.76
HSDPA	Subtest 1	22.86	22.87	22.79
	Subtest 2	22.96	22.89	22.84
	Subtest 3	22.41	22.36	22.31
	Subtest 4	22.42	22.37	22.29
	Subtest 1	22.93	22.89	22.85
HSUPA	Subtest 2	20.42	20.38	20.22
	Subtest 3	21.84	21.95	21.98
	Subtest 4	21.02	20.86	20.76
	Subtest 5	22.94	22.95	22.89
	Subtest 1	22.92	22.89	22.84
DC-HSDPA	Subtest 2	22.94	22.93	22.87
	Subtest 3	22.43	22.41	22.37
	Subtest 4	22.41	22.39	22.35
	HSPA+		22.41	22.36

Appendix E.3 LTE Conducted Powers

Appendix E.3.1 LTE Band 4 Ant1,3

LTE Band4 1.4MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			19957	20175	20393
			(1 710.7 MHz)	(1 732.5 MHz)	(1 754.3 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	22.82	22.89	22.91
	1	2	22.77	22.87	22.87
	1	5	22.82	22.79	23.05
	3	0	22.73	22.62	22.80
	3	2	22.57	22.63	22.93
	3	3	22.65	22.73	22.79
16QAM	6	0	21.64	21.80	21.88
	1	0	22.05	21.88	22.21
	1	2	21.97	21.95	22.11
	1	5	22.06	22.06	22.01
	3	0	21.86	21.97	22.32
	3	2	21.77	21.83	22.36
64QAM	3	3	21.86	21.99	22.07
	6	0	20.75	20.94	21.08
	1	0	20.96	20.91	21.21
	1	2	20.89	20.98	21.12
	1	5	20.91	20.87	21.03
	3	0	20.82	21.10	21.14
256QAM	3	2	20.80	20.83	21.05
	3	3	20.82	20.90	21.09
	6	0	19.75	19.95	19.96
	1	0	17.90	17.71	18.05
	1	2	17.81	17.69	17.87
	1	5	17.77	17.85	17.98
256QAM	3	0	17.73	17.72	17.96
	3	2	17.70	17.81	17.89
	3	3	17.74	17.81	17.91
	6	0	17.76	17.89	17.89

LTE Band4 3MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			19957	20175	20393
			(1 710.7 MHz)	(1 732.5 MHz)	(1 754.3 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	22.88	22.74	22.94
	1	7	22.77	22.86	23.00
	1	14	22.74	22.74	23.16
	8	0	21.86	21.69	21.86
	8	4	21.71	21.81	21.87
	8	7	21.69	21.78	22.17
16QAM	15	0	21.68	21.67	21.88
	1	0	21.83	21.93	21.97
	1	7	22.10	21.91	22.39
	1	14	21.84	21.89	22.17
	8	0	20.94	20.77	20.91
	8	4	20.95	20.85	20.90
64QAM	8	7	20.82	20.83	20.88
	15	0	20.74	20.71	20.97
	1	0	20.84	20.92	20.98
	1	7	20.91	21.02	21.11
	1	14	20.92	20.80	20.98
	8	0	19.89	19.80	19.90
256QAM	8	4	19.85	19.83	19.90
	8	7	19.93	19.85	19.85
	15	0	19.68	19.72	19.87
	1	0	17.65	17.77	17.85
	1	7	17.84	17.89	18.00
	1	14	17.58	17.84	17.93
256QAM	8	0	17.82	17.68	17.91
	8	4	17.75	17.82	17.86
	8	7	17.69	17.71	17.86
	15	0	17.68	17.73	17.83

LTE Band4 5MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			19957	20175	20393
			(1 710.7 MHz)	(1 732.5 MHz)	(1 754.3 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	22.70	22.66	22.92
	1	12	22.68	22.75	22.75
	1	24	22.67	22.91	22.81
	12	0	21.84	21.82	21.82
	12	6	21.69	21.76	21.95
	12	13	21.77	21.75	21.89
	25	0	21.64	21.77	21.89
16QAM	1	0	22.05	21.93	22.00
	1	12	21.92	22.05	22.08
	1	24	21.85	22.07	22.00
	12	0	20.76	20.88	20.89
	12	6	20.73	20.89	20.98
	12	13	20.89	20.80	20.90
	25	0	20.73	20.75	20.94
64QAM	1	0	20.86	20.95	20.96
	1	12	20.91	21.07	21.04
	1	24	20.75	20.99	20.91
	12	0	19.82	19.89	19.84
	12	6	19.85	19.87	19.95
	12	13	19.90	19.87	19.87
	25	0	19.76	19.70	19.95
256QAM	1	0	17.66	17.73	17.82
	1	12	17.66	17.98	18.01
	1	24	17.48	17.90	17.84
	12	0	17.66	17.76	17.82
	12	6	17.79	17.84	17.90
	12	13	17.67	17.76	17.84
	25	0	17.61	17.76	17.84

LTE Band4 10MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			19957	20175	20393
			(1 710.7 MHz)	(1 732.5 MHz)	(1 754.3 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	22.91	22.77	22.87
	1	25	23.14	22.76	23.00
	1	49	22.88	22.89	22.92
	25	0	21.67	21.84	21.84
	25	12	21.75	21.75	21.85
	25	25	21.93	21.73	21.88
	50	0	21.79	21.75	21.92
16QAM	1	0	21.89	21.96	22.08
	1	25	21.94	22.06	22.16
	1	49	21.80	22.14	21.93
	25	0	20.88	20.99	20.85
	25	12	21.07	20.89	20.94
	25	25	20.87	20.87	20.92
	50	0	21.06	20.88	20.88
64QAM	1	0	20.92	20.92	20.94
	1	25	20.79	21.01	20.78
	1	49	20.87	20.98	20.77
	25	0	19.91	19.92	19.91
	25	12	20.01	19.85	19.94
	25	25	19.93	19.85	20.04
	50	0	19.93	19.77	19.90
256QAM	1	0	17.68	17.82	17.83
	1	25	17.52	17.94	17.98
	1	49	17.80	17.87	17.81
	25	0	17.74	17.77	17.83
	25	12	17.62	17.80	17.83
	25	25	17.79	17.84	17.87
	50	0	17.69	17.82	17.83

LTE Band4 15MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			19957	20175	20393
			(1 710.7 MHz)	(1 732.5 MHz)	(1 754.3 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	22.89	22.94	22.90
	1	36	22.81	22.90	23.16
	1	74	23.07	22.82	22.87
	36	0	21.68	21.78	21.86
	36	18	21.92	21.91	21.85
	36	37	21.77	21.80	21.90
16QAM	75	0	21.70	21.82	20.80
	1	0	21.95	22.08	21.96
	1	36	21.85	22.23	22.15
	1	74	22.02	21.91	22.15
	36	0	20.81	20.95	20.82
	36	18	20.99	20.96	20.86
64QAM	36	37	21.03	20.85	20.84
	75	0	20.82	20.82	20.84
	1	0	20.80	21.18	20.92
	1	36	20.82	21.03	21.08
	1	74	20.84	20.98	21.16
	36	0	19.95	19.88	19.84
256QAM	36	18	19.91	19.89	19.83
	36	37	19.99	20.03	19.86
	75	0	19.80	19.91	19.81
	1	0	17.75	17.76	17.93
	1	36	17.83	17.99	17.98
	1	74	17.75	17.88	17.99
	36	0	17.79	17.79	17.80
	36	18	17.75	17.83	17.77
	36	37	17.70	17.81	17.80
	75	0	17.75	17.81	17.76

LTE Band4 20MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			19957	20175	20393
			(1 710.7 MHz)	(1 732.5 MHz)	(1 754.3 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.16	23.17	23.12
	1	50	22.87	23.10	23.07
	1	99	23.12	23.11	23.04
	50	0	22.00	22.07	21.87
	50	25	22.03	22.19	21.98
	50	13	22.02	22.18	21.87
	100	0	22.05	22.09	22.00
16QAM	1	0	22.14	22.22	22.31
	1	50	22.35	22.19	22.45
	1	99	22.32	22.29	22.22
	50	0	21.19	21.14	20.77
	50	25	21.20	21.17	20.82
	50	50	21.15	21.26	20.77
	100	0	21.08	21.06	21.09
64QAM	1	0	21.10	21.19	21.22
	1	50	21.13	21.27	21.37
	1	99	21.05	21.18	21.07
	50	0	20.12	20.12	19.98
	50	25	20.16	20.14	20.15
	50	50	20.20	20.10	19.67
	100	0	20.06	20.12	20.03
256QAM	1	0	18.01	18.09	18.08
	1	50	18.06	18.18	18.08
	1	99	18.06	18.06	18.15
	50	0	17.99	18.05	18.09
	50	25	17.97	18.07	18.00
	50	50	18.03	18.01	18.01
	100	0	17.97	17.98	17.99

Appendix E.3.2 LTE Band 7 Ant1,3

LTE Band7 5MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			20775	21100	21425
			(2 502.5 MHz)	(2 535.0 MHz)	(2 567.5 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	22.83	22.84	22.79
	1	12	22.94	22.80	22.81
	1	24	22.72	23.10	22.69
	12	0	22.03	21.94	21.83
	12	6	21.95	21.89	21.82
	12	13	21.84	21.86	21.99
16QAM	25	0	21.86	21.82	21.85
	1	0	22.17	22.10	22.05
	1	12	22.30	22.17	22.01
	1	24	21.95	22.26	21.29
	12	0	21.00	20.93	21.13
	12	6	20.99	20.89	21.03
64QAM	12	13	20.87	20.88	20.78
	25	0	20.89	20.94	20.93
	1	0	21.05	21.14	21.06
	1	12	21.06	20.97	20.98
	1	24	21.03	21.15	21.01
	12	0	19.98	19.93	19.96
256QAM	12	6	19.93	19.92	19.96
	12	13	19.92	19.85	20.06
	25	0	19.93	19.84	20.06
	1	0	18.03	18.02	17.93
	1	12	18.08	17.96	17.90
	1	24	17.79	18.03	17.89
256QAM	12	0	17.98	17.90	18.04
	12	6	17.99	17.96	17.97
	12	13	17.89	17.93	17.97
	25	0	17.90	17.88	17.98

LTE Band7 10MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			20800	21100	21400
			(2 505.0 MHz)	(2 535.0 MHz)	(2 565.0 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.07	22.81	22.81
	1	25	22.92	22.84	22.72
	1	49	22.91	22.84	22.81
	25	0	21.96	21.99	21.95
	25	12	22.03	21.93	21.92
	25	25	21.92	22.04	21.90
	50	0	21.94	21.88	21.94
16QAM	1	0	22.07	22.10	22.18
	1	25	22.19	22.21	22.03
	1	49	22.12	22.21	21.97
	25	0	21.00	20.95	20.96
	25	12	20.90	20.99	20.99
	25	25	20.97	21.08	20.99
	50	0	20.89	20.96	20.96
64QAM	1	0	20.97	21.02	21.00
	1	25	21.04	21.03	21.15
	1	49	20.98	21.22	21.18
	25	0	19.97	20.04	19.99
	25	12	19.97	19.95	19.97
	25	25	19.88	20.06	19.99
	50	0	19.92	19.96	19.96
256QAM	1	0	18.12	18.02	18.07
	1	25	18.10	18.19	18.05
	1	49	17.82	18.01	17.98
	25	0	17.94	17.98	17.98
	25	12	18.06	17.95	17.90
	25	25	17.94	17.97	17.95
	50	0	17.96	17.90	17.98

LTE Band7 15MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			20825	21100	21375
			(2 507.5 MHz)	(2 535.0 MHz)	(2 562.5 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.10	23.02	22.85
	1	36	22.77	22.93	22.73
	1	74	23.08	22.98	22.76
	36	0	21.96	21.96	21.92
	36	18	22.02	21.92	21.83
	36	37	21.88	21.92	21.79
	75	0	21.86	21.91	21.92
16QAM	1	0	22.12	22.02	22.18
	1	36	22.11	22.39	22.41
	1	74	22.08	22.45	21.85
	36	0	21.05	20.89	20.99
	36	18	21.06	20.93	20.92
	36	37	20.99	20.96	20.81
	75	0	20.90	20.90	20.93
64QAM	1	0	21.12	21.02	21.08
	1	36	21.02	21.16	21.04
	1	74	21.07	21.20	20.96
	36	0	19.96	19.89	19.99
	36	18	19.97	19.95	19.94
	36	37	19.96	19.91	19.84
	75	0	19.94	19.95	19.98
256QAM	1	0	18.05	18.08	18.20
	1	36	18.04	18.12	17.92
	1	74	17.99	17.95	17.59
	36	0	18.02	17.92	18.04
	36	18	17.94	17.97	17.88
	36	37	18.00	17.89	17.77
	75	0	18.05	17.92	17.93

LTE Band7 20MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			20850	21100	21350
			(2 510.0 MHz)	(2 535.0 MHz)	(2 560.0 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	22.91	23.18	22.83
	1	50	22.86	22.78	22.86
	1	99	23.03	23.16	22.99
	50	0	21.98	22.23	21.95
	50	25	21.89	21.98	21.92
	50	13	21.93	21.88	21.89
	100	0	21.88	21.84	21.81
16QAM	1	0	22.21	22.08	22.14
	1	50	21.90	22.07	22.07
	1	99	22.02	22.33	22.12
	50	0	20.90	20.93	20.90
	50	25	20.93	20.90	21.01
	50	50	21.06	20.90	20.89
	100	0	20.91	20.92	20.80
64QAM	1	0	21.07	20.92	20.80
	1	50	21.25	21.18	21.15
	1	99	21.04	21.25	21.07
	50	0	19.96	19.87	19.91
	50	25	19.96	19.92	19.99
	50	50	19.86	19.94	19.91
	100	0	19.92	19.92	19.84
256QAM	1	0	18.31	18.01	18.20
	1	50	18.14	17.98	18.16
	1	99	18.23	18.09	17.81
	50	0	18.11	17.94	17.98
	50	25	18.09	17.99	17.96
	50	50	17.99	17.99	17.93
	100	0	17.99	17.93	17.88

Appendix E.3.3 LTE Band 12 Ant1,3

LTE Band12 1.4MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			23017	23095	23173
			(699.7 MHz)	(707.5 MHz)	(715.3 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.15	22.99	23.17
	1	2	23.19	23.13	23.19
	1	5	23.12	23.23	23.05
	3	0	22.03	22.20	22.01
	3	2	22.07	22.01	22.27
	3	3	22.09	22.05	22.26
16QAM	6	0	22.20	22.04	22.15
	1	0	22.23	22.24	22.28
	1	2	22.37	22.37	22.41
	1	5	22.28	22.37	22.33
	3	0	21.27	21.30	21.31
	3	2	21.18	21.32	21.42
64QAM	3	3	21.26	21.25	21.25
	6	0	21.25	21.74	21.43
	1	0	21.40	21.39	21.21
	1	2	21.39	21.38	21.37
	1	5	21.35	21.29	21.29
	3	0	20.32	20.32	20.33
256QAM	3	2	20.27	20.24	20.33
	3	3	20.26	20.28	20.42
	6	0	20.24	20.33	20.28
	1	0	18.20	18.15	18.25
	1	2	18.18	18.16	18.30
	1	5	18.27	18.20	18.18
256QAM	3	0	18.26	18.19	18.29
	3	2	18.19	18.16	18.22
	3	3	18.24	18.16	18.28
	6	0	18.19	18.25	18.15

LTE Band12 3MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			23025	23095	23165
			(700.5 MHz)	(707.5 MHz)	(714.5 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.07	22.96	23.04
	1	7	23.10	22.91	23.00
	1	14	23.13	22.94	22.89
	8	0	22.06	21.98	22.18
	8	4	22.25	22.00	22.07
	8	7	22.10	22.03	22.30
16QAM	15	0	22.08	21.99	22.03
	1	0	22.22	22.22	22.39
	1	7	22.34	22.20	22.51
	1	14	22.26	22.19	22.27
	8	0	21.07	21.03	21.13
	8	4	20.97	21.13	21.11
64QAM	8	7	21.25	21.15	21.13
	15	0	21.23	21.02	21.16
	1	0	21.31	21.22	21.19
	1	7	21.46	21.24	21.21
	1	14	21.28	21.15	21.25
	8	0	20.18	20.05	20.18
256QAM	8	4	20.21	20.14	20.29
	8	7	20.13	20.08	20.08
	15	0	20.17	20.12	20.16
	1	0	18.29	18.11	18.14
	1	7	18.40	18.29	18.08
	1	14	18.19	18.04	18.18
256QAM	8	0	18.15	18.02	18.23
	8	4	18.24	18.08	18.08
	8	7	18.18	18.07	18.12
	8	0	18.13	18.06	18.19
	15	0	18.13	18.06	18.19

LTE Band12 5MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			23035	23095	23155
			(701.5 MHz)	(707.5 MHz)	(713.5 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.21	23.09	23.10
	1	12	23.07	23.22	23.22
	1	24	23.25	23.05	22.91
	12	0	22.10	22.05	22.11
	12	6	22.20	22.13	22.07
	12	13	21.97	21.98	21.93
16QAM	25	0	21.96	22.06	22.05
	1	0	22.28	22.27	22.26
	1	12	22.40	22.40	22.37
	1	24	22.39	22.30	22.07
	12	0	21.16	21.06	21.14
	12	6	21.10	21.21	21.29
64QAM	12	13	21.00	21.17	21.20
	25	0	21.29	20.96	20.98
	1	0	21.29	21.11	21.23
	1	12	21.32	21.15	21.08
	1	24	21.34	21.27	21.26
	12	0	20.17	20.08	20.11
256QAM	12	6	20.04	20.24	20.07
	12	13	20.18	20.24	20.24
	25	0	19.97	20.06	19.96
	1	0	18.20	18.17	18.15
	1	12	18.27	17.97	18.29
	1	24	18.11	17.96	17.98
256QAM	12	0	18.28	18.20	18.21
	12	6	18.25	18.22	17.96
	12	13	18.14	18.18	17.97
	25	0	18.30	18.02	18.18

LTE Band12 10MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			23060	23095	23130
			(704.0 MHz)	(707.5 MHz)	(711.0 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.29	23.36	23.14
	1	25	23.04	23.24	23.09
	1	49	23.13	22.96	22.98
	25	0	22.23	22.39	22.15
	25	12	22.28	22.14	22.21
	25	25	22.28	22.03	22.25
	50	0	22.11	22.21	22.08
16QAM	1	0	22.22	22.28	22.31
	1	25	22.17	22.37	22.21
	1	49	22.36	22.22	22.15
	25	0	21.16	21.15	21.14
	25	12	21.03	20.99	21.24
	25	25	21.17	21.03	21.23
	50	0	21.23	21.12	21.19
64QAM	1	0	21.31	21.38	21.25
	1	25	21.09	21.24	21.29
	1	49	21.25	21.38	21.14
	25	0	20.11	20.20	20.18
	25	12	20.19	20.18	20.23
	25	25	20.10	20.16	20.31
	50	0	20.16	20.18	20.25
256QAM	1	0	18.19	18.17	18.22
	1	25	18.18	18.03	18.04
	1	49	18.33	18.38	18.03
	25	0	18.06	18.05	18.20
	25	12	18.14	18.24	18.25
	25	25	18.36	18.32	18.37
	50	0	18.32	18.19	18.35

Appendix E.3.4 LTE Band 25 Ant1,3

LTE Band25 1.4MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26047	26365	26683
			(1 850.7 MHz)	(1 882.5 MHz)	(1 914.3 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	22.90	23.01	22.95
	1	2	22.95	22.88	22.88
	1	5	22.92	22.89	23.09
	3	0	21.86	21.79	21.86
	3	2	21.90	21.91	21.89
	3	3	21.91	21.79	21.95
16QAM	6	0	21.89	21.89	22.05
	1	0	22.33	22.08	22.09
	1	2	22.26	22.14	22.12
	1	5	22.30	22.11	21.97
	3	0	21.04	21.13	21.09
	3	2	21.01	21.06	21.16
64QAM	3	3	21.14	21.01	21.11
	6	0	21.03	21.17	21.14
	1	0	21.16	21.05	21.16
	1	2	21.12	21.06	21.09
	1	5	21.17	21.11	21.06
	3	0	20.07	20.06	20.14
256QAM	3	2	20.12	19.94	20.07
	3	3	20.07	20.08	20.07
	6	0	20.07	20.07	20.06
	1	0	18.13	17.99	18.00
	1	2	18.16	18.03	18.01
	1	5	18.09	18.04	17.97
256QAM	3	0	18.14	18.00	18.06
	3	2	18.06	17.98	17.99
	3	3	18.09	18.01	17.99
	6	0	18.03	17.84	17.98

LTE Band25 3MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26055	26365	26675
			(1 851.5 MHz)	(1 882.5 MHz)	(1 913.5 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.23	22.98	22.95
	1	7	23.15	23.00	22.99
	1	14	23.15	22.79	23.24
	8	0	22.08	21.94	21.87
	8	4	22.04	21.93	21.94
	8	7	22.07	21.91	21.90
16QAM	15	0	22.11	21.93	21.88
	1	0	22.45	22.30	22.14
	1	7	22.49	22.20	22.37
	1	14	22.37	22.10	22.34
	8	0	21.29	20.90	20.93
	8	4	21.33	21.02	20.93
64QAM	8	7	21.33	20.98	20.94
	15	0	21.25	20.97	20.91
	1	0	21.21	21.13	21.23
	1	7	21.37	21.02	21.11
	1	14	21.31	21.10	21.15
	8	0	20.25	19.95	19.96
256QAM	8	4	20.33	19.98	19.89
	8	7	20.33	19.88	19.91
	15	0	20.22	19.95	19.89
	1	0	18.24	18.07	17.97
	1	7	18.30	18.04	18.01
	1	14	18.35	18.08	18.10
256QAM	8	0	18.19	17.96	17.85
	8	4	18.20	18.00	17.81
	8	7	18.15	17.95	17.88
	15	0	18.20	18.03	17.88

LTE Band25 5MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26065	26365	26665
			(1 852.5 MHz)	(1 882.5 MHz)	(1 912.5 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.17	22.93	22.98
	1	12	23.08	22.99	23.08
	1	24	23.20	22.82	22.88
	12	0	22.09	21.98	22.02
	12	6	22.11	22.02	21.97
	12	13	22.10	21.95	21.97
	25	0	22.05	21.93	21.99
16QAM	1	0	22.38	22.23	22.19
	1	12	22.45	22.25	22.29
	1	24	22.50	22.36	22.16
	12	0	21.29	21.09	21.09
	12	6	21.24	21.07	21.09
	12	13	21.32	21.00	21.00
	25	0	21.23	21.06	20.98
64QAM	1	0	21.18	21.14	21.01
	1	12	21.35	21.28	21.11
	1	24	21.42	21.20	21.19
	12	0	20.25	20.05	20.05
	12	6	20.27	19.97	19.94
	12	13	20.36	20.01	19.99
	25	0	20.21	20.00	20.00
256QAM	1	0	18.22	17.96	18.04
	1	12	18.22	18.09	18.03
	1	24	18.31	18.02	17.98
	12	0	18.15	17.99	18.00
	12	6	18.14	17.95	18.07
	12	13	18.19	18.01	17.96
	25	0	18.13	17.94	17.96

LTE Band25 10MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26090	26365	26640
			(1 855.0 MHz)	(1 882.5 MHz)	(1 910.0 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.27	22.96	22.93
	1	25	23.18	23.10	23.09
	1	49	23.13	23.10	23.18
	25	0	21.97	22.07	22.00
	25	12	22.05	22.07	21.96
	25	25	22.07	22.04	22.07
16QAM	50	0	22.00	22.09	21.98
	1	0	22.35	22.38	22.40
	1	25	22.45	22.12	22.23
	1	49	22.49	22.30	22.60
	25	0	21.41	21.14	21.13
	25	12	21.48	21.16	21.10
64QAM	25	25	21.48	21.09	21.12
	50	0	21.32	21.13	21.05
	1	0	21.30	21.07	21.15
	1	25	21.43	21.31	21.22
	1	49	21.55	21.19	21.13
	25	0	20.29	20.16	20.03
256QAM	25	12	20.34	20.11	20.09
	25	25	20.45	20.11	20.10
	50	0	20.26	20.11	20.04
	1	0	18.27	18.22	18.10
	1	25	18.34	18.08	18.26
	1	49	18.29	18.22	18.23
256QAM	25	0	18.29	18.07	17.98
	25	12	18.29	18.06	18.05
	25	25	18.32	18.02	18.03
	50	0	18.30	18.05	17.97

LTE Band25 15MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26115	26365	26615
			(1 857.5 MHz)	(1 882.5 MHz)	(1 907.5 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.34	23.10	23.31
	1	36	23.32	23.06	23.00
	1	74	23.30	22.97	23.19
	36	0	22.01	22.07	21.93
	36	18	22.04	21.95	22.05
	36	37	22.11	21.96	22.03
	75	0	22.02	21.98	21.91
16QAM	1	0	22.48	22.13	22.20
	1	36	22.26	22.37	22.22
	1	74	22.34	22.21	22.17
	36	0	21.23	21.03	20.96
	36	18	21.41	21.02	21.03
	36	37	21.44	21.02	21.12
	75	0	21.27	21.05	20.99
64QAM	1	0	21.48	21.16	21.20
	1	36	21.45	21.17	21.17
	1	74	21.29	21.15	21.32
	36	0	20.40	20.10	20.08
	36	18	20.37	20.09	20.04
	36	37	20.55	20.12	20.07
	75	0	20.28	20.02	19.98
256QAM	1	0	18.30	18.16	18.08
	1	36	18.44	18.09	18.13
	1	74	18.45	18.16	18.14
	36	0	18.25	18.06	17.98
	36	18	18.34	18.05	17.97
	36	37	18.28	18.02	17.94
	75	0	18.23	18.00	17.99

LTE Band25 20MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26140	26365	26590
			(1 860.0 MHz)	(1 882.5 MHz)	(1 905.0 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.32	23.35	23.28
	1	50	23.11	23.19	23.01
	1	99	23.04	23.24	23.01
	50	0	22.08	22.12	21.92
	50	25	22.06	21.94	21.95
	50	13	21.93	21.98	21.94
	100	0	22.11	22.04	21.97
16QAM	1	0	22.36	22.11	22.21
	1	50	22.73	22.18	22.12
	1	99	22.19	22.20	22.39
	50	0	21.37	21.35	21.04
	50	25	21.44	21.10	20.96
	50	50	21.41	20.98	21.04
	100	0	21.27	21.27	21.01
64QAM	1	0	21.37	21.09	21.14
	1	50	21.33	21.14	21.07
	1	99	21.35	21.21	21.13
	50	0	20.36	20.05	20.01
	50	25	20.31	20.03	20.09
	50	50	20.22	20.01	20.00
	100	0	20.27	20.05	19.91
256QAM	1	0	18.31	18.15	18.13
	1	50	18.28	18.21	18.24
	1	99	18.27	18.10	18.08
	50	0	18.29	18.11	18.09
	50	25	18.23	18.09	17.99
	50	50	18.33	18.07	18.01
	100	0	18.28	18.14	17.96

Appendix E.3.5 LTE Band 26 Ant1,3

LTE Band26 1.4MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26697	26865	27033
			(814.7 MHz)	(831.5 MHz)	(848.3 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.01	22.90	22.89
	1	2	22.92	22.91	22.87
	1	5	23.02	22.88	22.87
	3	0	21.97	21.86	21.87
	3	2	21.95	21.93	21.96
	3	3	21.96	21.90	21.91
16QAM	6	0	22.04	21.92	21.93
	1	0	22.20	22.24	22.19
	1	2	22.13	22.09	22.13
	1	5	22.14	22.17	22.11
	3	0	21.02	21.03	21.15
	3	2	21.11	21.11	20.98
64QAM	3	3	21.12	21.05	20.99
	6	0	21.04	21.11	21.18
	1	0	21.18	21.04	21.04
	1	2	21.18	20.97	20.97
	1	5	21.29	21.05	21.09
	3	0	20.05	20.01	20.00
256QAM	3	2	20.09	20.02	20.02
	3	3	20.12	20.15	19.99
	6	0	20.03	20.17	19.94
	1	0	18.12	18.10	17.95
	1	2	18.05	18.00	17.95
	1	5	18.06	17.97	17.97
256QAM	3	0	18.08	17.97	18.04
	3	2	16.94	17.93	17.94
	3	3	16.92	18.00	17.92
	6	0	18.01	18.07	17.96

LTE Band26 3MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26805	26865	27025
			(815.5 MHz)	(831.5 MHz)	(847.5 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.15	22.88	22.85
	1	7	22.90	23.05	22.94
	1	14	22.89	22.95	22.96
	8	0	21.99	21.88	21.97
	8	4	21.96	21.95	21.96
	8	7	21.97	21.92	21.95
16QAM	15	0	21.96	21.93	21.94
	1	0	22.38	22.12	22.13
	1	7	22.25	22.27	22.06
	1	14	22.33	22.08	22.16
	8	0	21.09	20.99	20.96
	8	4	21.13	21.08	21.01
64QAM	8	7	21.13	20.97	21.00
	15	0	21.07	21.07	20.99
	1	0	21.17	21.02	21.06
	1	7	21.27	21.14	21.21
	1	14	21.20	20.93	21.11
	8	0	20.32	19.95	20.00
256QAM	8	4	20.12	20.02	20.01
	8	7	20.07	19.96	20.00
	15	0	19.97	20.08	19.95
	1	0	17.94	18.05	17.84
	1	7	18.08	17.98	18.16
	1	14	17.94	18.02	18.19
256QAM	8	0	18.05	17.91	17.99
	8	4	18.08	18.03	17.96
	8	7	18.00	17.96	17.94
	8	0	17.97	17.99	17.95
	15	0	17.97	17.99	17.95

LTE Band26 5MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26815	26865	27015
			(816.5 MHz)	(831.5 MHz)	(846.5 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.25	22.95	23.03
	1	12	22.89	23.03	23.00
	1	24	22.99	23.03	22.87
	12	0	21.92	21.97	21.90
	12	6	21.95	21.99	21.99
	12	13	21.96	21.96	21.94
16QAM	25	0	21.94	21.92	21.94
	1	0	22.37	22.25	22.07
	1	12	22.19	22.27	22.10
	1	24	22.14	22.18	22.01
	12	0	21.14	21.08	21.01
	12	6	21.16	20.99	21.04
64QAM	12	13	21.02	21.03	20.97
	25	0	21.12	20.98	21.01
	1	0	20.99	21.03	21.28
	1	12	21.08	21.07	21.02
	1	24	21.21	21.14	20.91
	12	0	20.13	20.06	19.99
256QAM	12	6	20.03	20.06	20.10
	12	13	20.18	19.98	19.95
	25	0	20.12	19.93	19.98
	1	0	17.91	17.85	17.99
	1	12	18.05	18.08	18.12
	1	24	18.10	18.04	17.95
256QAM	12	0	17.97	18.00	17.90
	12	6	18.00	17.92	17.97
	12	13	17.97	18.03	17.99
	25	0	17.97	17.94	17.99

LTE Band26 10MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26840	26865	26990
			(819.0 MHz)	(831.5 MHz)	(844.0 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	22.98	23.15	23.01
	1	25	22.85	22.99	22.84
	1	49	22.93	22.94	22.90
	25	0	22.00	22.02	21.96
	25	12	21.78	21.99	22.09
	25	25	22.03	22.01	21.86
	50	0	21.78	22.06	22.04
16QAM	1	0	22.13	22.17	22.00
	1	25	22.00	22.23	21.84
	1	49	21.87	22.23	21.91
	25	0	20.96	21.11	20.96
	25	12	21.05	21.06	20.98
	25	25	21.12	21.13	20.86
	50	0	20.99	21.06	20.88
64QAM	1	0	21.14	21.31	21.20
	1	25	21.07	21.17	21.28
	1	49	21.25	21.08	21.36
	25	0	20.01	20.08	19.91
	25	12	20.03	20.11	19.73
	25	25	19.92	20.14	19.87
	50	0	19.73	20.02	19.90
256QAM	1	0	18.05	18.11	18.15
	1	25	18.11	18.11	18.21
	1	49	18.08	18.27	18.04
	25	0	17.96	18.01	18.12
	25	12	18.05	18.00	18.07
	25	25	18.26	18.03	18.30
	50	0	18.25	18.01	18.12

LTE Band26 15MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			26765	26865	26965
			(821.5 MHz)	(831.5 MHz)	(841.5 MHz)
			Conducted Output Power		
			(dB m)	(dB m)	(dB m)
QPSK	1	0	23.06	23.23	23.11
	1	36	23.11	23.16	23.04
	1	74	22.98	23.09	23.02
	36	0	21.91	22.14	21.99
	36	18	21.99	22.01	22.12
	36	37	21.96	22.03	21.80
	75	0	21.98	21.92	22.07
16QAM	1	0	22.09	22.12	22.07
	1	36	22.31	21.89	22.04
	1	74	22.51	22.12	21.91
	36	0	21.13	21.05	20.98
	36	18	21.20	20.99	20.82
	36	37	21.17	20.92	21.04
	75	0	21.15	21.04	20.94
64QAM	1	0	21.19	21.12	21.09
	1	36	21.15	21.35	21.32
	1	74	21.31	21.08	21.15
	36	0	20.18	20.04	19.95
	36	18	20.13	20.00	19.91
	36	37	20.17	19.94	19.92
	75	0	20.30	20.03	20.06
256QAM	1	0	18.20	18.11	18.13
	1	36	18.10	18.21	18.16
	1	74	18.10	18.09	18.25
	36	0	18.11	17.96	18.00
	36	18	18.17	18.18	18.13
	36	37	18.11	18.07	18.08
	75	0	18.05	18.10	18.25

Appendix E.3.6 LTE Band 41 Ant1,3

LTE Band41 5MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel
			39675	40147	40620	41092	41565
			(2 498.5 MHz)	(2 545.7 MHz)	(2 593.0 MHz)	(2 640.2 MHz)	(2 687.5 MHz)
			Conducted Output Power				
			(dB m)	(dB m)	(dB m)	(dB m)	(dB m)
QPSK	1	0	23.15	22.93	23.01	22.80	22.85
	1	12	23.14	23.00	23.06	22.80	22.86
	1	24	23.09	22.84	22.98	22.82	22.81
	12	0	22.14	22.09	22.01	22.01	22.05
	12	6	22.12	22.14	22.08	21.91	21.85
	12	13	22.11	22.07	22.13	21.90	21.85
	25	0	22.03	22.07	22.05	21.91	21.75
16QAM	1	0	22.13	21.87	22.13	21.90	21.83
	1	12	22.24	22.10	22.06	21.77	21.92
	1	24	22.20	22.10	22.10	21.86	21.90
	12	0	21.29	21.15	21.18	20.95	20.95
	12	6	21.28	21.02	21.23	20.95	20.89
	12	13	21.17	21.11	21.14	20.96	20.86
	25	0	21.25	21.08	21.15	20.93	20.87
64QAM	1	0	21.34	21.07	21.22	20.92	21.00
	1	12	21.39	21.13	21.14	20.91	20.92
	1	24	21.21	21.13	21.15	20.82	20.91
	12	0	20.45	20.13	20.18	19.91	19.95
	12	6	20.37	20.16	20.19	19.96	19.98
	12	13	20.25	20.10	20.16	19.95	20.03
	25	0	20.33	20.14	20.18	19.93	19.93
256QAM	1	0	18.19	17.84	18.04	17.73	17.88
	1	12	18.16	18.04	18.14	17.68	17.91
	1	24	17.92	17.82	18.03	17.71	17.81
	12	0	18.24	18.14	18.18	17.92	17.83
	12	6	18.23	18.13	18.17	17.90	17.99
	12	13	18.15	18.04	18.15	17.92	17.89
	25	0	18.22	18.11	18.15	17.90	17.82

LTE Band41 10MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel
			39700	40160	40620	41080	41540
			(2 501.0 MHz)	(2 547.0 MHz)	(2 593.0 MHz)	(2 639.0 MHz)	(2 685.0 MHz)
			Conducted Output Power				
			(dB m)	(dB m)	(dB m)	(dB m)	(dB m)
QPSK	1	0	23.14	23.00	23.07	22.79	22.91
	1	25	23.15	23.01	23.12	22.78	22.73
	1	49	23.09	22.93	23.07	22.69	22.75
	25	0	22.02	22.08	22.07	22.05	22.01
	25	12	22.04	22.05	21.97	21.95	22.00
	25	25	22.06	22.12	22.01	21.94	21.99
	50	0	22.07	21.98	22.12	21.95	22.00
16QAM	1	0	22.21	22.04	22.18	21.85	21.92
	1	25	22.18	22.17	22.16	21.81	21.91
	1	49	22.09	22.06	22.14	21.68	21.92
	25	0	21.25	21.14	21.19	21.00	21.03
	25	12	21.34	21.17	21.22	20.97	21.04
	25	25	21.28	21.17	21.24	20.95	21.01
	50	0	21.28	21.19	21.13	20.98	21.00
64QAM	1	0	21.29	21.13	21.14	20.99	20.96
	1	25	21.34	21.15	21.24	20.89	20.97
	1	49	21.28	21.14	21.19	20.83	20.93
	25	0	20.26	20.13	20.20	20.01	20.03
	25	12	20.30	20.18	20.24	19.99	20.01
	25	25	20.31	20.22	20.21	19.95	20.04
	50	0	20.20	20.19	20.15	20.00	20.03
256QAM	1	0	18.21	18.03	17.97	17.81	17.94
	1	25	18.13	18.16	18.14	17.87	17.87
	1	49	18.07	18.06	18.05	17.82	17.84
	25	0	18.16	18.11	18.09	17.98	17.98
	25	12	18.29	18.20	18.14	17.96	17.99
	25	25	18.22	18.17	18.17	17.92	18.02
	50	0	18.29	18.15	18.14	17.96	18.00

LTE Band41 15MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel
			39725	40172	40620	41067	41515
			(2 503.5 MHz)	(2 548.2 MHz)	(2 593.0 MHz)	(2 637.7 MHz)	(2 682.5 MHz)
			Conducted Output Power				
			(dB m)	(dB m)	(dB m)	(dB m)	(dB m)
QPSK	1	0	23.09	22.96	23.01	22.80	22.95
	1	36	23.11	22.93	22.97	22.78	22.70
	1	74	23.09	22.98	23.04	22.71	22.52
	36	0	22.09	22.07	22.11	22.04	22.03
	36	18	22.08	22.07	22.11	21.88	21.98
	36	37	22.09	22.10	22.14	21.92	21.89
	75	0	22.14	22.14	22.08	21.96	21.95
16QAM	1	0	22.22	22.02	22.11	21.93	22.03
	1	36	22.19	21.93	22.05	22.00	21.87
	1	74	22.20	22.08	22.22	21.84	21.62
	36	0	21.22	21.10	21.11	20.94	21.02
	36	18	21.22	21.12	21.14	20.93	20.98
	36	37	21.24	21.12	21.17	20.94	20.91
	75	0	21.20	21.16	21.09	20.96	20.96
64QAM	1	0	21.19	21.10	21.20	20.96	21.04
	1	36	21.33	21.23	21.21	20.93	20.92
	1	74	21.28	21.15	21.25	21.00	20.74
	36	0	20.24	20.12	20.19	19.92	20.08
	36	18	20.27	20.13	20.15	19.90	20.02
	36	37	20.29	20.17	20.20	19.93	19.91
	75	0	20.15	20.15	20.12	19.98	19.95
256QAM	1	0	18.21	18.04	18.06	17.84	18.03
	1	36	18.12	18.10	18.10	17.95	17.94
	1	74	18.03	18.10	18.09	17.92	17.65
	36	0	18.17	18.02	18.08	17.89	18.01
	36	18	18.18	18.02	18.10	17.86	17.97
	36	37	18.19	18.13	18.11	17.93	17.85
	75	0	18.16	18.15	18.06	17.96	17.93

LTE Band41 20MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel
			39750	40185	40620	41055	41490
			(2 506.0 MHz)	(2 549.5 MHz)	(2 593.0 MHz)	(2 636.5 MHz)	(2 680.0 MHz)
			Conducted Output Power				
			(dB m)	(dB m)	(dB m)	(dB m)	(dB m)
QPSK	1	0	23.10	22.88	23.22	22.86	23.01
	1	50	23.11	22.91	23.14	22.83	22.87
	1	99	23.11	22.98	23.05	22.74	22.70
	50	0	22.02	22.05	22.50	22.12	22.14
	50	25	22.14	22.00	22.13	21.95	22.08
	50	13	22.09	22.08	22.10	22.00	22.00
	100	0	22.10	22.01	22.13	21.97	22.01
16QAM	1	0	22.17	21.96	22.11	21.97	21.96
	1	50	22.22	22.16	22.26	22.04	22.00
	1	99	22.17	22.11	22.17	21.83	21.82
	50	0	21.24	21.09	21.16	21.02	21.16
	50	25	21.24	21.11	21.17	21.00	21.09
	50	50	21.26	21.07	21.15	21.01	21.00
	100	0	21.19	21.05	21.13	20.98	21.07
64QAM	1	0	21.33	21.09	21.20	21.03	21.23
	1	50	21.25	21.13	21.14	21.09	21.04
	1	99	21.32	21.18	21.25	20.94	20.86
	50	0	20.29	20.06	20.27	20.01	20.17
	50	25	20.30	20.07	20.25	19.97	20.05
	50	50	20.23	20.08	20.16	20.02	20.01
	100	0	20.21	20.03	20.12	19.97	20.08
256QAM	1	0	18.16	18.13	18.12	17.98	18.08
	1	50	18.16	18.08	18.14	18.02	17.94
	1	99	18.22	17.98	18.17	17.79	17.92
	50	0	18.25	18.11	18.10	17.98	18.13
	50	25	18.23	18.11	18.09	17.92	18.04
	50	50	18.21	18.07	18.09	17.97	17.96
	100	0	18.24	18.08	18.11	17.94	18.03

Appendix E.4 5G NR Conducted Powers

Appendix E.4.1 5G NR n7 Ant1,3

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 500500 (2502.5 MHz)	Mid Channel 507000 (2535 MHz)	High Channel 513500 (2567.5 MHz)	
n7	15	5	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.05	22.78	22.71
					QPSK	1	1	23.15	22.95	22.79
					16QAM	1	1	22.07	21.72	21.55
					64QAM	1	1	20.76	20.49	20.33
					256QAM	1	1	18.09	17.89	17.78
				Inner_IRB Right	Pi/2 BPSK	1	23	23.07	22.71	22.73
					QPSK	1	23	23.14	22.80	22.85
				Inner_Full	Pi/2 BPSK	12	6	23.02	22.85	22.77
					QPSK	12	6	23.03	22.83	22.76
				Outer_Full	Pi/2 BPSK	25	0	22.19	21.84	21.77
					QPSK	25	0	22.18	21.85	21.87
				Edge_IRB Left	Pi/2 BPSK	1	0	22.09	21.80	21.67
					QPSK	1	0	22.14	21.89	21.82
				Edge_Full Left	Pi/2 BPSK	2	0	22.21	21.92	21.80
					QPSK	2	0	22.16	21.90	21.86
				Edge_IRB Right	Pi/2 BPSK	1	24	22.01	21.69	21.72
					QPSK	1	24	22.14	21.86	21.85
				Edge_Full Right	Pi/2 BPSK	2	23	22.16	21.84	21.84
					QPSK	2	23	22.12	21.87	21.90
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.77	21.53	21.44

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 501000 (2505 MHz)	Mid Channel 507000 (2535 MHz)	High Channel 513000 (2565 MHz)	
n7	15	10	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.07	22.95	22.76
					QPSK	1	1	23.11	23.04	22.76
					16QAM	1	1	22.05	21.91	21.65
					64QAM	1	1	20.74	20.61	20.38
					256QAM	1	1	18.22	18.08	17.86
				Inner_IRB Right	Pi/2 BPSK	1	50	23.02	22.83	22.78
					QPSK	1	50	23.16	22.86	22.84
				Inner_Full	Pi/2 BPSK	25	12	23.03	22.96	22.78
					QPSK	25	12	23.02	22.94	22.80
				Outer_Full	Pi/2 BPSK	50	0	22.14	22.01	21.84
					QPSK	50	0	22.17	21.98	21.81
				Edge_IRB Left	Pi/2 BPSK	1	0	22.00	21.92	21.60
					QPSK	1	0	22.10	22.00	21.76
				Edge_Full Left	Pi/2 BPSK	2	0	22.08	22.01	21.70
					QPSK	2	0	22.10	22.01	21.77
				Edge_IRB Right	Pi/2 BPSK	1	51	21.94	21.73	21.69
					QPSK	1	51	22.13	21.82	21.84
				Edge_Full Right	Pi/2 BPSK	2	50	22.03	21.82	21.77
					QPSK	2	50	22.13	21.85	21.87
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.80	21.72	21.47

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 501500 (2507.5 MHz)	Mid Channel 507000 (2535 MHz)	High Channel 512500 (2562.5 MHz)	
n7	15	15	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.08	23.12	22.93
					QPSK	1	1	23.18	23.15	23.02
					16QAM	1	1	22.01	22.04	21.90
					64QAM	1	1	20.77	20.80	20.66
					256QAM	1	1	18.26	18.29	18.11
				Inner_IRB Right	Pi/2 BPSK	1	77	23.10	22.86	22.97
					QPSK	1	77	23.19	22.96	23.06
				Inner_Full	Pi/2 BPSK	36	18	23.02	23.01	22.98
					QPSK	36	18	23.03	23.02	23.01
				Outer_Full	Pi/2 BPSK	75	0	22.26	22.02	22.00
					QPSK	75	0	22.23	22.10	22.07
				Edge_IRB Left	Pi/2 BPSK	1	0	21.98	22.04	22.02
					QPSK	1	0	22.13	22.18	22.02
				Edge_Full Left	Pi/2 BPSK	2	0	22.08	22.12	22.02
					QPSK	2	0	22.16	22.17	22.02
				Edge_IRB Right	Pi/2 BPSK	1	78	22.20	21.80	22.01
					QPSK	1	78	22.29	21.93	22.09
				Edge_Full Right	Pi/2 BPSK	2	77	22.19	21.87	22.08
					QPSK	2	77	22.30	21.95	22.01
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.85	21.82	21.68

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 502000 (2510 MHz)	Mid Channel 507000 (2535 MHz)	High Channel 512000 (2560 MHz)	
n7	15	20	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	23.13	23.18	22.91
				QPSK		1	1	23.23	23.24	23.07
				16QAM		1	1	22.12	22.09	21.78
				64QAM		1	1	20.84	20.85	20.56
				256QAM	1	1	18.34	18.30	18.03	
				Pi/2 BPSK	Inner_1RB Right	1	104	23.17	22.80	22.99
				QPSK		1	104	23.22	22.87	23.06
				Pi/2 BPSK	Inner_Full	50	25	23.04	23.03	22.99
				QPSK		50	25	23.03	23.05	23.01
				Pi/2 BPSK	Outer_Full	100	0	22.33	22.10	21.97
				QPSK		100	0	22.31	22.08	21.99
				Pi/2 BPSK	Edge_1RB Left	1	0	22.09	22.11	21.83
				QPSK		1	0	22.25	22.15	21.88
				Pi/2 BPSK	Edge_Full Left	2	0	22.19	22.20	21.92
				QPSK		2	0	22.18	22.16	21.88
				Pi/2 BPSK	Edge_1RB Right	1	105	22.23	21.74	21.92
				QPSK		1	105	22.32	21.86	22.01
				Pi/2 BPSK	Edge_Full Right	2	104	22.30	21.82	22.08
				QPSK		2	104	22.35	21.88	22.03
			CP-OFDM	QPSK	Inner_1RB Left	1	1	21.91	21.91	21.64

Appendix E.4.2 5G NR n41 Ant1,3

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 501204 (2506.02 MHz)	Low-Mid Channel 509898 (2549.49 MHz)	Mid Channel 518598 (2592.99 MHz)	Mid-High Channel 527298 (2636.49 MHz)	High Channel 535998 (2679.99 MHz)	
n41	30	20	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	22.54	22.38	22.73	22.29	22.53
				QPSK		1	1	22.37	22.31	22.75	22.23	22.51
				16QAM		1	1	21.15	20.99	21.34	20.91	21.17
				64QAM		1	1	19.95	19.83	20.19	19.68	19.98
				256QAM		1	1	17.69	17.68	17.89	17.59	17.68
				Pi/2 BPSK	Inner_1RB Right	1	49	22.32	22.15	22.58	22.05	22.36
				QPSK		1	49	22.32	22.10	22.48	22.01	22.28
				Pi/2 BPSK	Inner_Full	25	12	22.61	22.40	22.88	22.32	22.65
				QPSK		25	12	22.54	22.23	22.75	22.28	22.53
				Pi/2 BPSK	Outer_Full	50	0	22.02	21.80	22.25	21.80	22.04
				QPSK		50	0	21.52	21.24	21.70	21.26	21.49
				Pi/2 BPSK	Edge_1RB Left	1	0	21.89	21.76	22.11	21.59	21.87
				QPSK		1	0	21.45	21.26	21.62	21.15	21.42
				Pi/2 BPSK	Edge_Full Left	2	0	21.89	21.87	22.20	21.71	21.96
				QPSK		2	0	21.41	21.34	21.70	21.24	21.52
				Pi/2 BPSK	Edge_1RB Right	1	50	21.69	21.48	21.94	21.44	21.70
				QPSK		1	50	21.22	21.02	21.38	20.91	21.26
				Pi/2 BPSK	Edge_Full Right	2	49	21.80	21.57	22.04	21.58	21.81
				QPSK		2	49	21.31	21.10	21.46	21.04	21.33
			CP-OFDM	QPSK	Inner_1RB Left	1	1	21.00	20.94	21.29	20.85	21.04

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 502200 (2511 MHz)	Low-Mid Channel 510402 (2552.01 MHz)	Mid Channel 518598 (2592.99 MHz)	Mid-High Channel 526800 (2634 MHz)	High Channel 534996 (2674.98 MHz)	
n41	30	30	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	22.83	22.56	22.86	22.77	22.78
				QPSK		1	1	22.79	22.58	22.83	22.67	22.74
				16QAM		1	1	21.45	21.21	21.47	21.42	21.37
				64QAM		1	1	20.31	19.98	20.32	20.15	20.18
				256QAM		1	1	17.97	17.81	18.07	18.00	17.94
				Pi/2 BPSK	Inner_1RB Right	1	76	22.47	22.33	22.53	22.29	22.52
				QPSK		1	76	22.41	22.34	22.50	22.23	22.52
				Pi/2 BPSK	Inner_Full	36	18	22.54	22.55	22.93	22.63	22.68
				QPSK		36	18	22.59	22.54	22.83	22.49	22.70
				Pi/2 BPSK	Outer_Full	75	0	22.27	22.06	22.25	22.08	22.25
				QPSK		75	0	21.81	21.50	21.76	21.57	21.69
				Pi/2 BPSK	Edge_1RB Left	1	0	22.27	22.05	22.24	22.16	22.12
				QPSK		1	0	21.78	21.54	21.78	21.64	21.64
				Pi/2 BPSK	Edge_Full Left	2	0	22.27	22.08	22.33	22.21	22.22
				QPSK		2	0	21.80	21.58	21.85	21.71	21.71
				Pi/2 BPSK	Edge_1RB Right	1	77	21.87	21.76	21.89	21.65	21.92
				QPSK		1	77	21.37	21.28	21.37	21.18	21.37
				Pi/2 BPSK	Edge_Full Right	2	76	21.92	21.87	22.00	21.77	22.01
				QPSK		2	76	21.46	21.36	21.46	21.26	21.51
			CP-OFDM	QPSK	Inner_1RB Left	1	1	21.39	21.10	21.48	21.32	21.33

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 503202 (2516.01 MHz)	Low-Mid Channel 513468 (2567.34 MHz)	N/A	Mid-High Channel 523734 (2618.67 MHz)	High Channel 534000 (2670 MHz)	
n41	30	40	DFT-s-OFDM	Inner_1RB Left	Pi/2 BPSK	1	1	22.75	22.53		22.78	22.52
					QPSK	1	1	22.70	22.46		22.75	22.45
					16QAM	1	1	21.31	21.18		21.37	21.19
					64QAM	1	1	20.25	20.01		20.26	19.96
					256QAM	1	1	18.04	17.78		18.10	17.72
				Inner_1RB Right	Pi/2 BPSK	1	104	22.16	22.33		22.15	22.35
					QPSK	1	104	22.12	22.33		22.03	22.29
				Inner_Full	Pi/2 BPSK	50	25	22.53	22.52		22.74	22.74
					QPSK	50	25	22.56	22.51		22.61	22.65
				Outer_Full	Pi/2 BPSK	100	0	22.21	22.04		22.14	22.11
					QPSK	100	0	21.66	21.50		21.59	21.60
				Edge_1RB Left	Pi/2 BPSK	1	0	22.17	21.95		22.16	21.92
					QPSK	1	0	21.64	21.42		21.63	21.45
				Edge_Full Left	Pi/2 BPSK	2	0	22.20	22.03		22.25	22.01
					QPSK	2	0	21.73	21.50		21.69	21.52
				Edge_1RB Right	Pi/2 BPSK	1	105	21.51	21.77		21.45	21.71
					QPSK	1	105	21.03	21.29		21.01	21.20
				Edge_Full Right	Pi/2 BPSK	2	104	21.60	21.83		21.54	21.76
			QPSK		2	104	21.06	21.39		21.09	21.29	
			CP-OFDM	QPSK	Inner_1RB Left	1	1	21.34	21.09		21.33	20.98

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 504204 (2521.02 MHz)	N/A	Mid Channel 518598 (2592.99 MHz)	N/A	High Channel 532998 (2664.99 MHz)	
n41	30	50	DFT-s-OFDM	Inner_1RB Left	Pi/2 BPSK	1	1	23.05		22.93		22.83
					QPSK	1	1	23.00		22.91		22.73
					16QAM	1	1	21.73		21.48		21.46
					64QAM	1	1	20.58		20.37		20.29
					256QAM	1	1	18.32		18.21		17.97
				Inner_1RB Right	Pi/2 BPSK	1	131	22.29		22.48		22.47
					QPSK	1	131	22.14		22.36		22.39
				Inner_Full	Pi/2 BPSK	64	32	22.55		22.91		22.59
					QPSK	64	32	22.60		22.93		22.61
				Outer_Full	Pi/2 BPSK	128	0	22.40		22.50		22.27
					QPSK	128	0	21.87		22.00		21.81
				Edge_1RB Left	Pi/2 BPSK	1	0	22.48		22.31		22.21
					QPSK	1	0	22.02		21.81		21.72
				Edge_Full Left	Pi/2 BPSK	2	0	22.60		22.41		22.31
					QPSK	2	0	22.07		21.91		21.80
				Edge_1RB Right	Pi/2 BPSK	1	132	21.52		21.80		21.84
					QPSK	1	132	21.10		21.30		21.34
				Edge_Full Right	Pi/2 BPSK	2	131	21.66		21.91		21.93
			QPSK		2	131	21.21		21.38		21.41	
			CP-OFDM	QPSK	Inner_1RB Left	1	1	21.67		21.52		21.47

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 505200 (2526 MHz)	N/A	Mid Channel 518598 (2592.99 MHz)	N/A	High Channel 531996 (2659.98 MHz)	
n41	30	60	DFT-s-OFDM	Inner_1RB Left	Pi/2 BPSK	1	1	22.82		22.71		22.52
					QPSK	1	1	22.78		22.72		22.50
					16QAM	1	1	21.44		21.32		21.13
					64QAM	1	1	20.27		20.19		19.99
					256QAM	1	1	17.95		17.98		17.84
				Inner_1RB Right	Pi/2 BPSK	1	160	22.00		22.14		22.24
					QPSK	1	160	21.96		22.11		22.13
					Pi/2 BPSK	81	40	22.54		22.75		22.54
				Inner_Full	QPSK	81	40	22.48		22.70		22.45
					Pi/2 BPSK	162	0	22.26		22.23		22.04
				Outer_Full	QPSK	162	0	21.52		21.66		21.50
					Pi/2 BPSK	1	0	22.21		22.09		21.93
				Edge_1RB Left	QPSK	1	0	21.73		21.61		21.44
					Pi/2 BPSK	2	0	22.34		22.19		22.01
				Edge_Full Left	QPSK	2	0	21.83		21.70		21.52
					Pi/2 BPSK	1	161	21.42		21.53		21.62
				Edge_1RB Right	QPSK	1	161	20.86		21.02		21.09
					Pi/2 BPSK	2	160	21.51		21.62		21.70
			Edge_Full Right	QPSK	2	160	20.95		21.13		21.16	
				CP-OFDM	QPSK	Inner_1RB Left	1	1	21.31		21.34	

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 506202 (2531.01 MHz)	N/A	N/A	N/A	High Channel 531000 (2655 MHz)	
n41	30	70	DFT-s-OFDM	Inner_1RB Left	Pi/2 BPSK	1	1	23.02				22.67
					QPSK	1	1	23.05				22.66
					16QAM	1	1	21.67				21.28
					64QAM	1	1	20.53				20.06
					256QAM	1	1	18.37				17.81
				Inner_1RB Right	Pi/2 BPSK	1	187	22.16				22.20
					QPSK	1	187	22.08				22.23
					Pi/2 BPSK	90	45	22.56				22.66
				Inner_Full	QPSK	90	45	22.59				22.62
					Pi/2 BPSK	180	0	22.26				22.18
				Outer_Full	QPSK	180	0	21.64				21.64
					Pi/2 BPSK	1	0	22.43				22.08
				Edge_1RB Left	QPSK	1	0	21.96				21.53
					Pi/2 BPSK	2	0	22.54				22.18
				Edge_Full Left	QPSK	2	0	22.07				21.62
					Pi/2 BPSK	1	188	21.55				21.60
				Edge_1RB Right	QPSK	1	188	21.02				21.11
					Pi/2 BPSK	2	187	21.60				21.71
			Edge_Full Right	QPSK	2	187	21.10				21.20	
				CP-OFDM	QPSK	Inner_1RB Left	1	1	21.62			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 507204 (2536.02 MHz)	N/A	N/A	N/A	High Channel 529998 (2649.99 MHz)	
n41	30	80	DFT-s-OFDM	Inner_1RB Left	Pi/2 BPSK	1	1	23.11				22.95
					QPSK	1	1	23.06				22.94
					16QAM	1	1	21.71				21.62
					64QAM	1	1	20.45				20.41
					256QAM	1	1	18.28				18.31
				Inner_1RB Right	Pi/2 BPSK	1	215	22.24				22.16
					QPSK	1	215	22.22				22.13
					Pi/2 BPSK	108	54	22.53				22.76
				Inner_Full	QPSK	108	54	22.61				22.74
					Pi/2 BPSK	216	0	22.17				22.18
				Outer_Full	QPSK	216	0	21.72				21.68
					Pi/2 BPSK	1	0	22.48				22.36
				Edge_1RB Left	QPSK	1	0	21.99				21.84
					Pi/2 BPSK	2	0	22.53				22.47
				Edge_Full Left	QPSK	2	0	22.05				21.92
					Pi/2 BPSK	1	216	21.67				21.57
				Edge_1RB Right	QPSK	1	216	21.15				21.07
					Pi/2 BPSK	2	215	21.73				21.67
			Edge_Full Right	QPSK	2	215	21.19				21.18	
				CP-OFDM	QPSK	Inner_1RB Left	1	1	21.62			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 508200 (2541 MHz)	N/A	N/A	N/A	High Channel 528996 (2644.98 MHz)	
n41	30	90	DFT-s-OFDM	Inner_1RB Left	Pi/2 BPSK	1	1	23.16				23.19
					QPSK	1	1	23.11				23.16
					16QAM	1	1	21.80				21.81
					64QAM	1	1	20.57				20.67
					256QAM	1	1	18.41				18.51
				Inner_1RB Right	Pi/2 BPSK	1	243	22.25				22.07
					QPSK	1	243	22.25				22.06
					Pi/2 BPSK	120	60	22.50				22.67
				Inner_Full	QPSK	120	60	22.51				22.75
					Pi/2 BPSK	243	0	22.25				22.29
				Outer_Full	QPSK	243	0	21.73				21.79
					Pi/2 BPSK	1	0	22.68				22.70
				Edge_1RB Left	QPSK	1	0	22.15				22.21
					Pi/2 BPSK	2	0	22.78				22.77
				Edge_Full Left	QPSK	2	0	22.26				22.27
					Pi/2 BPSK	1	244	21.78				21.56
				Edge_1RB Right	QPSK	1	244	21.27				21.10
					Pi/2 BPSK	2	243	21.88				21.68
			Edge_Full Right	QPSK	2	243	21.33				21.17	
				CP-OFDM	QPSK	Inner_1RB Left	1	1	21.73			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 509202 (2546.01 MHz)	N/A	Mid Channel 518598 (2592.99 MHz)	N/A	High Channel 528000 (2640 MHz)	
n41	30	100	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	23.22		22.97		23.18
				QPSK		1	1	23.33		23.22		23.30
				16QAM		1	1	21.78		21.68		21.77
				64QAM		1	1	20.67		20.50		20.63
				256QAM		1	1	18.78		18.59		18.76
				Pi/2 BPSK	Inner_1RB Right	1	271	22.37		21.78		22.05
				QPSK		1	271	22.31		21.81		22.07
				Pi/2 BPSK	Inner_Full	135	67	22.57		22.93		22.58
				QPSK		135	67	22.82		23.08		22.97
				Pi/2 BPSK	Outer_Full	270	0	22.23		22.24		22.33
				QPSK		270	0	21.70		21.79		21.89
				Pi/2 BPSK	Edge_1RB Left	1	0	22.63		22.38		22.55
				QPSK		1	0	22.08		21.86		22.06
				Pi/2 BPSK	Edge_Full Left	2	0	22.72		22.52		22.69
				QPSK		2	0	22.18		21.94		22.17
				Pi/2 BPSK	Edge_1RB Right	1	272	21.61		21.33		21.45
				QPSK		1	272	21.22		20.80		20.94
				Pi/2 BPSK	Edge_Full Right	2	271	21.77		21.39		21.56
				QPSK		2	271	21.25		20.85		21.03
				CP-OFDM	QPSK	Inner_1RB Left	1	1	21.63		21.42	

Appendix E.4.3 5G NR n77 Ant2

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
								647334 (3710.01 MHz)	656000 (3840 MHz)	664666 (3969.99 MHz)
n77	30	20	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	23.34	23.73	23.11
				QPSK		1	1	23.30	23.75	23.15
				16QAM		1	1	21.92	22.45	21.77
				64QAM		1	1	20.82	21.27	20.58
				256QAM		1	1	18.63	18.86	17.95
				Pi/2 BPSK	Inner_IRB Right	1	49	23.19	23.58	23.03
				QPSK		1	49	23.12	23.60	22.97
				Pi/2 BPSK	Inner_Full	25	12	23.25	23.79	23.12
				QPSK		25	12	23.27	23.76	23.08
				Pi/2 BPSK	Outer_Full	50	0	22.87	23.27	22.54
				QPSK		50	0	22.36	22.71	22.07
				Pi/2 BPSK	Edge_IRB Left	1	0	22.70	23.14	22.55
				QPSK		1	0	22.20	22.66	21.98
				Pi/2 BPSK	Edge_Full Left	2	0	22.82	23.24	22.65
				QPSK		2	0	22.29	22.70	22.07
				Pi/2 BPSK	Edge_IRB Right	1	50	22.52	23.00	22.40
				QPSK		1	50	22.00	22.48	21.84
				Pi/2 BPSK	Edge_Full Right	2	49	22.64	23.09	22.42
QPSK	2	49	22.11	22.55		21.93				
		CP-OFDM	QPSK	Inner_IRB Left	1	1	21.74	22.42	21.86	

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
								647668 (3715.02 MHz)	656000 (3840 MHz)	664332 (3964.98 MHz)
n77	30	30	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	23.56	23.92	23.40
				QPSK		1	1	23.48	23.83	23.40
				16QAM		1	1	22.24	22.48	21.92
				64QAM		1	1	21.09	21.32	20.79
				256QAM		1	1	18.82	19.41	18.73
				Pi/2 BPSK	Inner_IRB Right	1	76	23.20	23.87	23.11
				QPSK		1	76	23.16	23.74	22.97
				Pi/2 BPSK	Inner_Full	36	18	23.24	23.92	23.33
				QPSK		36	18	23.21	23.90	23.32
				Pi/2 BPSK	Outer_Full	75	0	22.89	23.39	22.80
				QPSK		75	0	22.41	22.85	22.22
				Pi/2 BPSK	Edge_IRB Left	1	0	22.90	23.30	22.80
				QPSK		1	0	22.47	22.81	22.31
				Pi/2 BPSK	Edge_Full Left	2	0	23.02	23.38	22.47
				QPSK		2	0	22.53	22.89	22.39
				Pi/2 BPSK	Edge_IRB Right	1	77	22.54	23.24	22.47
				QPSK		1	77	22.05	22.69	21.91
				Pi/2 BPSK	Edge_Full Right	2	76	22.65	23.28	22.58
QPSK	2	76	22.17	22.76		22.00				
		CP-OFDM	QPSK	Inner_IRB Left	1	1	22.16	22.27	21.90	

Band	SCS (KHz)	Bandwidth (MHz)	Modulation		RB allocation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
								648000 (3720 MHz)	656000 (3840 MHz)	664000 (3960 MHz)
n77	30	40	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	23.57	23.81	23.32
				QPSK		1	1	23.51	23.74	23.28
				16QAM		1	1	22.11	22.46	21.96
				64QAM		1	1	20.94	21.32	20.81
				256QAM		1	1	18.41	18.73	18.66
				Pi/2 BPSK	Inner_IRB Right	1	104	22.90	23.59	22.96
				QPSK		1	104	22.90	23.61	22.92
				Pi/2 BPSK	Inner_Full	50	25	23.31	23.89	23.37
				QPSK		50	25	23.28	23.86	23.30
				Pi/2 BPSK	Outer_Full	100	0	22.92	23.38	22.84
				QPSK		100	0	22.39	22.86	22.28
				Pi/2 BPSK	Edge_IRB Left	1	0	22.94	23.20	22.80
				QPSK		1	0	22.46	22.76	22.27
				Pi/2 BPSK	Edge_Full Left	2	0	23.05	23.28	22.80
				QPSK		2	0	22.53	22.84	22.36
				Pi/2 BPSK	Edge_IRB Right	1	105	22.32	23.02	22.31
				QPSK		1	105	21.84	22.52	21.79
				Pi/2 BPSK	Edge_Full Right	2	104	22.42	23.13	22.42
QPSK	2	104	21.93	22.60		21.90				
		CP-OFDM	QPSK	Inner_IRB Left	1	1	21.98	22.51	22.07	

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 648334 (3725.01 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 663666 (3954.99 MHz)	
n77	30	50	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.66	23.96	23.63
					QPSK	1	1	23.54	23.88	23.63
					16QAM	1	1	22.47	22.55	22.27
					64QAM	1	1	21.16	21.30	21.18
					256QAM	1	1	18.81	19.49	18.74
				Inner_IRB Right	Pi/2 BPSK	1	131	23.08	23.72	22.99
				QPSK	1	131	23.03	23.71	22.88	
				Inner_Full	Pi/2 BPSK	64	32	23.25	23.91	23.53
				QPSK	64	32	23.26	23.92	23.41	
				Outer_Full	Pi/2 BPSK	128	0	22.92	23.52	22.89
				QPSK	128	0	22.41	22.96	22.37	
				Edge_IRB Left	Pi/2 BPSK	1	0	23.06	23.34	23.09
				QPSK	1	0	22.56	22.81	22.49	
				Edge_Full Left	Pi/2 BPSK	2	0	23.12	23.43	23.22
				QPSK	2	0	22.61	22.88	22.67	
				Edge_IRB Right	Pi/2 BPSK	1	132	22.44	23.16	22.41
				QPSK	1	132	21.93	22.63	21.84	
				Edge_Full Right	Pi/2 BPSK	2	131	22.50	23.25	22.52
				QPSK	2	131	22.00	22.72	22.03	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	22.18	22.71	22.28

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 648668 (3730.02 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 663332 (3949.98 MHz)	
n77	30	60	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.53	23.80	23.55
					QPSK	1	1	23.51	23.76	23.57
					16QAM	1	1	22.14	22.32	22.18
					64QAM	1	1	21.05	21.21	20.99
					256QAM	1	1	18.68	19.32	18.78
				Inner_IRB Right	Pi/2 BPSK	1	160	22.85	23.47	22.97
				QPSK	1	160	22.79	23.40	22.93	
				Inner_Full	Pi/2 BPSK	81	40	23.30	23.77	23.33
				QPSK	81	40	23.19	23.66	23.22	
				Outer_Full	Pi/2 BPSK	162	0	22.82	23.26	22.84
				QPSK	162	0	22.26	22.75	22.32	
				Edge_IRB Left	Pi/2 BPSK	1	0	22.92	23.20	23.02
				QPSK	1	0	22.45	22.69	22.41	
				Edge_Full Left	Pi/2 BPSK	2	0	23.01	23.28	23.10
				QPSK	2	0	22.56	22.73	22.51	
				Edge_IRB Right	Pi/2 BPSK	1	161	22.26	22.85	22.34
				QPSK	1	161	21.71	22.33	21.87	
				Edge_Full Right	Pi/2 BPSK	2	160	22.34	22.97	22.46
				QPSK	2	160	21.82	22.44	22.02	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.87	22.14	22.32

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 649000 (3735 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 663000 (3945 MHz)	
n77	30	70	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.41	23.84	23.65
					QPSK	1	1	23.39	23.81	23.54
					16QAM	1	1	22.00	22.41	22.31
					64QAM	1	1	20.96	21.26	21.09
					256QAM	1	1	18.33	18.76	18.53
				Inner_IRB Right	Pi/2 BPSK	1	187	23.05	23.50	22.97
				QPSK	1	187	22.97	23.46	23.01	
				Inner_Full	Pi/2 BPSK	90	45	23.32	23.85	23.60
				QPSK	90	45	23.26	23.87	23.54	
				Outer_Full	Pi/2 BPSK	180	0	22.87	23.33	22.96
				QPSK	180	0	22.24	22.79	22.46	
				Edge_IRB Left	Pi/2 BPSK	1	0	22.93	23.20	23.01
				QPSK	1	0	22.33	22.69	22.50	
				Edge_Full Left	Pi/2 BPSK	2	0	22.99	23.27	23.08
				QPSK	2	0	22.44	22.77	22.57	
				Edge_IRB Right	Pi/2 BPSK	1	188	22.52	22.87	22.37
				QPSK	1	188	22.06	22.38	21.93	
				Edge_Full Right	Pi/2 BPSK	2	187	22.53	22.98	22.47
				QPSK	2	187	22.03	22.47	22.00	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.83	22.22	22.24

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 649334 (3740.01 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 662666 (3939.99 MHz)	
n77	30	80	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.57	23.93	23.71
					QPSK	1	1	23.55	23.84	23.66
					16QAM	1	1	22.10	22.63	22.26
					64QAM	1	1	21.11	21.40	21.15
					256QAM	1	1	18.79	19.11	18.66
				Inner_IRB Right	Pi/2 BPSK	1	215	23.14	23.45	22.92
					QPSK	1	215	23.08	23.42	22.87
					Pi/2 BPSK	108	54	23.32	23.72	23.65
					QPSK	108	54	23.30	23.89	23.62
					Pi/2 BPSK	216	0	22.86	23.33	23.05
				Outer_Full	QPSK	216	0	22.27	22.80	22.51
					Pi/2 BPSK	1	0	22.96	23.33	23.09
					QPSK	1	0	22.48	22.86	22.59
					Pi/2 BPSK	2	0	23.09	23.43	23.20
					QPSK	2	0	22.56	22.93	22.70
				Edge_IRB Left	Pi/2 BPSK	1	216	22.51	22.81	22.28
					QPSK	1	216	21.99	22.39	21.74
					Pi/2 BPSK	2	215	22.59	22.93	22.38
					QPSK	2	215	22.08	22.46	21.83
			CP-OFDM		QPSK	Inner_IRB Left	1	1	22.17	22.47

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 649668 (3745.02 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 662332 (3934.98 MHz)	
n77	30	90	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.53	23.91	23.80
					QPSK	1	1	23.48	23.86	23.81
					16QAM	1	1	22.17	22.44	22.36
					64QAM	1	1	20.99	21.26	21.26
					256QAM	1	1	18.39	19.45	19.22
				Inner_IRB Right	Pi/2 BPSK	1	243	23.18	23.41	22.74
					QPSK	1	243	23.19	23.31	22.72
					Pi/2 BPSK	120	60	23.24	23.29	23.27
					QPSK	120	60	23.23	23.18	23.15
					Pi/2 BPSK	243	0	22.84	23.29	23.10
				Outer_Full	QPSK	243	0	22.34	22.76	22.53
					Pi/2 BPSK	1	0	23.05	23.36	23.31
					QPSK	1	0	22.85	22.96	22.92
					Pi/2 BPSK	2	0	23.15	23.44	23.40
					QPSK	2	0	22.63	22.93	22.96
				Edge_IRB Left	Pi/2 BPSK	1	244	22.67	22.91	22.22
					QPSK	1	244	22.20	22.37	21.77
					Pi/2 BPSK	2	243	22.76	22.99	22.32
					QPSK	2	243	22.25	22.45	21.85
			CP-OFDM		QPSK	Inner_IRB Left	1	1	21.91	22.46

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 650000 (3750 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 662000 (3930 MHz)	
n77	30	100	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.59	23.92	23.83
					QPSK	1	1	23.71	24.12	23.90
					16QAM	1	1	22.26	22.61	22.31
					64QAM	1	1	21.02	21.42	21.31
					256QAM	1	1	18.49	19.49	18.76
				Inner_IRB Right	Pi/2 BPSK	1	271	22.97	23.28	22.84
					QPSK	1	271	22.96	23.26	22.86
					Pi/2 BPSK	135	67	23.24	23.82	23.58
					QPSK	135	67	23.33	23.95	23.69
					Pi/2 BPSK	270	0	22.87	23.31	23.10
				Outer_Full	QPSK	270	0	22.37	22.82	22.60
					Pi/2 BPSK	1	0	22.97	23.33	23.19
					QPSK	1	0	22.51	22.82	22.73
					Pi/2 BPSK	2	0	23.07	23.42	23.28
					QPSK	2	0	22.63	22.88	22.81
				Edge_IRB Left	Pi/2 BPSK	1	272	22.40	22.73	22.28
					QPSK	1	272	21.88	22.14	21.73
					Pi/2 BPSK	2	271	22.44	22.79	22.34
					QPSK	2	271	21.95	22.28	21.83
			CP-OFDM		QPSK	Inner_IRB Left	1	1	22.00	22.42

Appendix E.4.4 5G NR n77 Ant1,3

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 647334 (3710.01 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 664666 (3969.99 MHz)	
n77	30	20	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	22.81	23.05	21.99
				QPSK		1	1	22.83	23.01	21.96
				16QAM		1	1	21.49	21.57	20.52
				64QAM		1	1	20.35	20.63	19.39
				256QAM		1	1	18.41	17.90	17.28
				Pi/2 BPSK	Inner_IRB Right	1	49	22.80	22.96	21.87
				QPSK		1	49	22.74	22.97	21.84
				Pi/2 BPSK	Inner_Full	25	12	22.89	23.21	22.13
				QPSK		25	12	22.86	23.14	21.89
				Pi/2 BPSK	Outer_Full	50	0	22.38	22.65	21.33
				QPSK		50	0	21.83	22.10	21.00
				Pi/2 BPSK	Edge_IRB Left	1	0	22.22	22.42	21.23
				QPSK		1	0	21.74	21.98	20.72
				Pi/2 BPSK	Edge_Full Left	2	0	22.36	22.54	21.40
				QPSK		2	0	21.83	22.09	20.89
				Pi/2 BPSK	Edge_IRB Right	1	50	22.16	22.32	21.17
				QPSK		1	50	21.68	21.90	20.68
			Pi/2 BPSK	Edge_Full Right	2	49	22.26	22.48	21.30	
QPSK	2	49	21.76		21.98	20.90				
CP-OFDM	QPSK	Inner_IRB Left	1	1	21.23	21.65	20.30			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 647668 (3715.02 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 664332 (3964.98 MHz)	
n77	30	30	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	22.99	23.26	22.31
				QPSK		1	1	22.97	23.24	22.31
				16QAM		1	1	21.58	21.78	20.91
				64QAM		1	1	20.49	20.80	19.75
				256QAM		1	1	18.37	18.06	17.50
				Pi/2 BPSK	Inner_IRB Right	1	76	22.81	23.14	21.89
				QPSK		1	76	22.76	23.12	21.91
				Pi/2 BPSK	Inner_Full	36	18	23.04	23.26	22.31
				QPSK		36	18	22.97	23.25	22.02
				Pi/2 BPSK	Outer_Full	75	0	22.48	22.74	21.70
				QPSK		75	0	21.92	22.25	21.20
				Pi/2 BPSK	Edge_IRB Left	1	0	22.47	22.68	21.74
				QPSK		1	0	21.94	22.21	21.20
				Pi/2 BPSK	Edge_Full Left	2	0	22.51	22.78	21.82
				QPSK		2	0	22.02	22.28	21.31
				Pi/2 BPSK	Edge_IRB Right	1	77	22.20	22.47	21.31
				QPSK		1	77	21.68	22.08	20.80
			Pi/2 BPSK	Edge_Full Right	2	76	22.32	22.56	21.42	
QPSK	2	76	21.79		22.08	20.92				
CP-OFDM	QPSK	Inner_IRB Left	1	1	21.36	21.73	20.75			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 648000 (3720 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 664000 (3960 MHz)	
n77	30	40	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	22.97	23.15	22.22
				QPSK		1	1	22.94	23.10	22.16
				16QAM		1	1	21.47	21.78	20.90
				64QAM		1	1	20.49	20.64	19.73
				256QAM		1	1	17.86	18.20	17.08
				Pi/2 BPSK	Inner_IRB Right	1	104	22.64	22.97	21.76
				QPSK		1	104	22.61	22.91	21.73
				Pi/2 BPSK	Inner_Full	50	25	23.07	23.26	22.22
				QPSK		50	25	22.99	23.16	22.04
				Pi/2 BPSK	Outer_Full	100	0	22.50	22.69	21.68
				QPSK		100	0	21.95	22.18	21.09
				Pi/2 BPSK	Edge_IRB Left	1	0	22.38	22.49	21.62
				QPSK		1	0	21.90	22.08	21.15
				Pi/2 BPSK	Edge_Full Left	2	0	22.50	22.67	21.73
				QPSK		2	0	21.98	22.16	21.21
				Pi/2 BPSK	Edge_IRB Right	1	105	22.07	22.30	21.19
				QPSK		1	105	21.53	21.77	20.67
			Pi/2 BPSK	Edge_Full Right	2	104	22.15	22.41	21.26	
QPSK	2	104	21.67		21.96	20.75				
CP-OFDM	QPSK	Inner_IRB Left	1	1	21.52	21.54	20.82			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 648334 (3725.01 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 663666 (3954.99 MHz)		
n77	30	50	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.09	23.24	22.52	
					QPSK	1	1	23.07	23.17	22.51	
					16QAM	1	1	21.68	21.75	21.21	
					64QAM	1	1	20.60	20.76	19.96	
					256QAM	1	1	18.72	18.46	18.06	
				Inner_IRB Right	Pi/2 BPSK	1	131	22.76	23.00	21.86	
					QPSK	1	131	22.64	22.99	21.86	
					Inner_Full	Pi/2 BPSK	64	32	23.18	23.22	22.53
						QPSK	64	32	23.12	23.26	22.45
						Pi/2 BPSK	128	0	22.52	22.78	21.83
				Outer_Full	QPSK	128	0	22.03	22.30	21.38	
					Pi/2 BPSK	1	0	22.56	22.68	21.96	
				Edge_IRB Left	QPSK	1	0	22.05	22.16	21.46	
					Pi/2 BPSK	2	0	22.64	22.77	22.06	
				Edge_Full Left	QPSK	2	0	22.12	22.25	21.54	
					Pi/2 BPSK	1	132	22.14	22.45	21.28	
				Edge_IRB Right	QPSK	1	132	21.61	21.91	20.76	
					Pi/2 BPSK	2	131	22.21	22.52	21.38	
				Edge_Full Right	QPSK	2	131	21.71	21.99	20.86	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.64	22.03	20.95	

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 648668 (3730.02 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 663332 (3949.98 MHz)		
n77	30	60	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.03	23.05	22.86	
					QPSK	1	1	22.95	23.01	22.89	
					16QAM	1	1	21.67	21.75	21.59	
					64QAM	1	1	20.45	20.51	20.45	
					256QAM	1	1	18.29	17.92	17.96	
				Inner_IRB Right	Pi/2 BPSK	1	160	22.45	22.71	22.03	
					QPSK	1	160	22.42	22.66	22.04	
					Inner_Full	Pi/2 BPSK	81	40	22.88	23.07	22.68
						QPSK	81	40	22.82	23.00	22.59
						Pi/2 BPSK	162	0	22.36	22.58	22.15
				Outer_Full	QPSK	162	0	21.81	22.06	21.63	
					Pi/2 BPSK	1	0	22.41	22.49	22.36	
				Edge_IRB Left	QPSK	1	0	21.90	22.01	21.79	
					Pi/2 BPSK	2	0	22.47	22.58	22.45	
				Edge_Full Left	QPSK	2	0	21.97	22.07	21.89	
					Pi/2 BPSK	1	161	21.84	22.18	21.47	
				Edge_IRB Right	QPSK	1	161	21.29	21.68	20.94	
					Pi/2 BPSK	2	160	21.95	22.25	21.54	
				Edge_Full Right	QPSK	2	160	21.44	21.74	21.03	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.53	21.49	21.47	

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 649000 (3735 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 663000 (3945 MHz)		
n77	30	70	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	22.89	23.15	22.94	
					QPSK	1	1	22.89	23.09	22.88	
					16QAM	1	1	21.61	21.67	21.63	
					64QAM	1	1	20.30	20.64	20.32	
					256QAM	1	1	18.52	18.03	17.84	
				Inner_IRB Right	Pi/2 BPSK	1	187	22.46	22.78	22.03	
					QPSK	1	187	22.43	22.77	21.97	
					Inner_Full	Pi/2 BPSK	90	45	23.00	23.25	22.93
						QPSK	90	45	22.91	23.26	22.89
						Pi/2 BPSK	180	0	22.41	22.65	22.31
				Outer_Full	QPSK	180	0	21.89	22.13	21.80	
					Pi/2 BPSK	1	0	22.38	22.55	22.32	
				Edge_IRB Left	QPSK	1	0	21.83	22.01	21.85	
					Pi/2 BPSK	2	0	22.42	22.62	22.44	
				Edge_Full Left	QPSK	2	0	21.94	22.11	21.94	
					Pi/2 BPSK	1	188	21.93	22.13	21.40	
				Edge_IRB Right	QPSK	1	188	21.39	21.62	20.88	
					Pi/2 BPSK	2	187	21.97	22.24	21.55	
				Edge_Full Right	QPSK	2	187	21.46	21.71	21.03	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.56	21.83	21.63	

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 649334 (3740.01 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 662666 (3939.99 MHz)	
n77	30	80	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.02	23.08	23.01
					QPSK	1	1	22.96	23.07	22.99
					16QAM	1	1	21.73	21.65	21.74
					64QAM	1	1	20.40	20.65	20.57
					256QAM	1	1	18.29	18.64	18.63
				Inner_IRB Right	Pi/2 BPSK	108	215	22.47	22.64	21.99
					QPSK	1	215	22.43	22.59	21.94
				Inner_Full	Pi/2 BPSK	108	54	23.04	23.21	22.92
					QPSK	108	54	22.97	23.16	22.84
				Outer_Full	Pi/2 BPSK	216	0	22.40	22.60	22.24
					QPSK	216	0	21.92	22.10	21.73
				Edge_IRB Left	Pi/2 BPSK	1	0	22.42	22.52	22.47
					QPSK	1	0	21.90	22.02	21.99
				Edge_Full Left	Pi/2 BPSK	2	0	22.53	22.58	22.55
					QPSK	2	0	21.98	22.08	22.04
				Edge_IRB Right	Pi/2 BPSK	1	216	21.89	22.00	21.44
					QPSK	1	216	21.37	21.51	20.93
				Edge_Full Right	Pi/2 BPSK	2	215	21.95	22.10	21.51
			QPSK		2	215	21.45	21.59	20.98	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.53	21.49	21.73

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 649668 (3745.02 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 662332 (3934.98 MHz)	
n77	30	90	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	22.95	23.05	22.84
					QPSK	1	1	22.92	23.03	22.79
					16QAM	1	1	21.61	21.79	21.46
					64QAM	1	1	20.42	20.55	20.25
					256QAM	1	1	18.19	18.67	18.28
				Inner_IRB Right	Pi/2 BPSK	1	243	22.55	22.55	22.22
					QPSK	1	243	22.52	22.49	22.22
				Inner_Full	Pi/2 BPSK	120	60	23.04	23.18	22.74
					QPSK	120	60	23.06	23.16	22.68
				Outer_Full	Pi/2 BPSK	243	0	22.32	22.55	22.14
					QPSK	243	0	21.81	22.04	21.60
				Edge_IRB Left	Pi/2 BPSK	1	0	22.47	22.61	22.29
					QPSK	1	0	21.98	22.11	21.76
				Edge_Full Left	Pi/2 BPSK	2	0	22.58	22.75	22.43
					QPSK	2	0	22.09	22.24	21.84
				Edge_IRB Right	Pi/2 BPSK	1	244	22.08	22.12	21.50
					QPSK	1	244	21.57	21.63	21.11
				Edge_Full Right	Pi/2 BPSK	2	243	22.14	22.15	21.65
			QPSK		2	243	21.64	21.64	21.18	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.38	21.68	21.21

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 650000 (3750 MHz)	Mid Channel 656000 (3840 MHz)	High Channel 662000 (3930 MHz)	
n77	30	100	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	23.18	23.28	23.14
					QPSK	1	1	23.19	23.35	23.15
					16QAM	1	1	21.65	21.78	21.83
					64QAM	1	1	20.38	20.64	20.63
					256QAM	1	1	18.38	17.95	18.11
				Inner_IRB Right	Pi/2 BPSK	1	271	22.43	22.48	21.91
					QPSK	1	271	22.41	22.50	21.84
				Inner_Full	Pi/2 BPSK	135	67	22.91	23.16	22.96
					QPSK	135	67	22.94	23.27	22.97
				Outer_Full	Pi/2 BPSK	270	0	22.40	22.60	22.34
					QPSK	270	0	21.93	22.10	21.88
				Edge_IRB Left	Pi/2 BPSK	1	0	22.42	22.51	22.56
					QPSK	1	0	21.89	21.96	22.08
				Edge_Full Left	Pi/2 BPSK	2	0	22.49	22.57	22.65
					QPSK	2	0	21.98	22.11	22.15
				Edge_IRB Right	Pi/2 BPSK	1	272	21.80	21.87	21.21
					QPSK	1	272	21.31	21.41	20.75
				Edge_Full Right	Pi/2 BPSK	2	271	21.93	21.99	21.36
			QPSK		2	271	21.43	21.49	20.84	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.64	21.61	21.92

Appendix E.4.5 5G NR n77 DoD Ant2

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 630668 (3460.02 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 636000 (3540 MHz)	
n77 DoD	30	20	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	23.29	23.21	23.33
				QPSK		1	1	23.24	23.19	23.36
				16QAM		1	1	21.85	21.81	22.06
				64QAM		1	1	20.81	20.70	20.86
				256QAM		1	1	18.75	18.35	18.62
				Pi/2 BPSK	Inner_1RB Right	1	49	23.09	23.18	23.09
				QPSK		1	49	23.06	23.13	23.05
				Pi/2 BPSK	Inner_Full	25	12	23.35	23.37	23.40
				QPSK		25	12	23.25	23.23	23.21
				Pi/2 BPSK	Outer_Full	50	0	22.73	22.80	22.81
				QPSK		50	0	22.22	22.22	22.28
				Pi/2 BPSK	Edge_1RB Left	1	0	22.69	22.61	22.73
				QPSK		1	0	22.15	22.11	22.25
				Pi/2 BPSK	Edge_Full Left	2	0	22.78	22.71	22.87
				QPSK		2	0	22.26	22.19	22.31
				Pi/2 BPSK	Edge_1RB Right	1	50	22.51	22.55	22.43
				QPSK		1	50	21.99	22.05	21.96
				Pi/2 BPSK	Edge_Full Right	2	49	22.58	22.65	22.54
				QPSK		2	49	22.08	22.14	22.04
			CP-OFDM	QPSK	Inner_1RB Left	1	1	21.86	21.92	21.88

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 631000 (3465 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 635666 (3534.99 MHz)	
n77 DoD	30	30	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1	23.28	23.47	23.66
				QPSK		1	1	23.29	23.39	23.58
				16QAM		1	1	21.94	22.13	22.29
				64QAM		1	1	20.72	20.94	21.12
				256QAM		1	1	18.82	18.61	18.54
				Pi/2 BPSK	Inner_1RB Right	1	76	23.26	23.37	23.29
				QPSK		1	76	23.18	23.34	23.18
				Pi/2 BPSK	Inner_Full	36	18	23.42	23.57	23.49
				QPSK		36	18	23.35	23.55	23.61
				Pi/2 BPSK	Outer_Full	75	0	22.83	22.95	23.08
				QPSK		75	0	22.32	22.45	22.49
				Pi/2 BPSK	Edge_1RB Left	1	0	22.78	22.88	23.09
				QPSK		1	0	22.19	22.37	22.55
				Pi/2 BPSK	Edge_Full Left	2	0	22.90	22.88	23.16
				QPSK		2	0	22.32	22.45	22.64
				Pi/2 BPSK	Edge_1RB Right	1	77	22.59	22.74	22.71
				QPSK		1	77	22.11	22.22	22.10
				Pi/2 BPSK	Edge_Full Right	2	76	22.68	22.85	22.83
				QPSK		2	76	22.21	22.36	22.25
			CP-OFDM	QPSK	Inner_1RB Left	1	1	21.79	22.09	22.15

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 634334 (3470.01 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 635332 (3529.98 MHz)	
n77 DoD	30	40	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	23.16	23.35	23.46
				QPSK		1	1	23.26	23.33	23.43
				16QAM		1	1	21.80	22.09	22.13
				64QAM		1	1	20.65	20.84	20.89
				256QAM	1	1	18.72	18.63	18.63	
				Pi/2 BPSK	Inner_IRB Right	1	104	23.13	23.28	23.07
				QPSK		1	104	23.08	23.21	23.00
				Pi/2 BPSK	Inner_Full	50	25	23.34	23.52	23.46
				QPSK		50	25	23.23	23.43	23.47
				Pi/2 BPSK	Outer_Full	100	0	22.67	22.94	22.97
				QPSK		100	0	22.17	22.44	22.44
				Pi/2 BPSK	Edge_IRB Left	1	0	22.71	22.78	22.86
				QPSK		1	0	22.03	22.27	22.40
				Pi/2 BPSK	Edge_Full Left	2	0	22.73	22.88	22.98
				QPSK		2	0	22.22	22.33	22.47
				Pi/2 BPSK	Edge_IRB Right	1	105	22.00	22.17	21.93
				QPSK		1	105	22.54	22.75	22.55
			Pi/2 BPSK	Edge_Full Right	2	104	22.21	22.27	22.02	
QPSK	2	104	21.71		22.07	21.97				
CP-OFDM	QPSK	Inner_IRB Left	1	1	21.69	21.73	21.90			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 631668 (3475.02 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 635000 (3525 MHz)	
n77 DoD	30	50	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	23.51	23.46	23.53
				QPSK		1	1	22.16	22.05	22.17
				16QAM		1	1	21.02	20.99	21.07
				64QAM		1	1	19.08	18.68	19.06
				256QAM	1	1	23.27	23.33	23.12	
				Pi/2 BPSK	Inner_IRB Right	1	131	23.22	23.29	23.08
				QPSK		1	131	23.50	23.40	23.55
				Pi/2 BPSK	Inner_Full	64	32	23.48	23.43	23.49
				QPSK		64	32	22.94	23.04	22.93
				Pi/2 BPSK	Outer_Full	128	0	22.45	22.57	22.50
				QPSK		128	0	22.92	22.95	22.89
				Pi/2 BPSK	Edge_IRB Left	1	0	22.38	22.40	22.44
				QPSK		1	0	23.00	23.06	23.00
				Pi/2 BPSK	Edge_Full Left	2	0	22.50	22.54	22.53
				QPSK		2	0	22.68	22.76	22.59
				Pi/2 BPSK	Edge_IRB Right	1	132	22.15	22.23	22.08
				QPSK		1	132	22.78	22.89	22.68
			Pi/2 BPSK	Edge_Full Right	2	131	22.24	22.32	22.10	
QPSK	2	131	22.28		22.09	22.12				
CP-OFDM	QPSK	Inner_IRB Left	1	1	22.29	22.10	21.89			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 632000 (3480 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 634666 (3519.99 MHz)	
n77 DoD	30	60	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	23.26	23.35	23.31
				QPSK		1	1	23.35	23.30	23.29
				16QAM		1	1	21.99	22.02	21.87
				64QAM		1	1	20.92	20.81	20.78
				256QAM		1	1	18.89	18.57	18.16
				Pi/2 BPSK	Inner_IRB Right	1	160	23.10	23.10	23.01
				QPSK		1	160	23.08	23.10	22.91
				Pi/2 BPSK	Inner_Full	81	40	23.33	23.31	23.38
				QPSK		81	40	23.23	23.29	23.28
				Pi/2 BPSK	Outer_Full	162	0	22.79	22.82	22.89
				QPSK		162	0	22.28	22.35	22.30
				Pi/2 BPSK	Edge_IRB Left	1	0	22.80	22.74	22.75
				QPSK		1	0	22.13	22.24	22.20
				Pi/2 BPSK	Edge_Full Left	2	0	22.85	22.82	22.85
				QPSK		2	0	22.22	22.28	22.33
				Pi/2 BPSK	Edge_IRB Right	1	161	22.50	22.48	22.33
				QPSK		1	161	21.96	22.00	21.80
				Pi/2 BPSK	Edge_Full Right	2	160	22.57	22.56	22.42
				QPSK		2	160	22.05	22.09	21.90
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.96	21.73	21.76

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 632000 (3480 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 634666 (3519.99 MHz)	
n77 DoD	30	70	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	23.30	23.36	23.50
				QPSK		1	1	23.26	23.33	23.38
				16QAM		1	1	21.84	22.07	21.91
				64QAM		1	1	20.85	20.86	20.93
				256QAM		1	1	18.39	18.64	18.66
				Pi/2 BPSK	Inner_IRB Right	1	160	23.17	23.08	22.95
				QPSK		1	160	23.13	23.08	22.88
				Pi/2 BPSK	Inner_Full	81	40	23.41	23.51	23.53
				QPSK		81	40	23.31	23.49	23.44
				Pi/2 BPSK	Outer_Full	162	0	22.81	22.98	23.05
				QPSK		162	0	22.27	22.44	22.58
				Pi/2 BPSK	Edge_IRB Left	1	0	22.70	22.78	22.91
				QPSK		1	0	22.21	22.24	22.39
				Pi/2 BPSK	Edge_Full Left	2	0	22.80	22.87	23.05
				QPSK		2	0	22.32	22.32	22.47
				Pi/2 BPSK	Edge_IRB Right	1	161	22.58	22.48	22.28
				QPSK		1	161	22.03	21.96	21.80
				Pi/2 BPSK	Edge_Full Right	2	160	22.68	22.59	22.42
				QPSK		2	160	22.19	22.08	21.93
			CP-OFDM	QPSK	Inner_IRB Left	1	1	22.08	21.75	22.23

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 632668 (3490.02 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 634000 (3510 MHz)	
n77 DoD	30	80	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	23.43	23.40	23.40
				QPSK		1	1	23.41	23.41	23.38
				16QAM		1	1	21.95	22.08	22.02
				64QAM		1	1	20.92	20.90	20.85
				256QAM	1	1	18.94	18.58	18.27	
				Pi/2 BPSK	Inner_IRB Right	1	215	23.10	23.05	22.92
				QPSK		1	215	23.10	23.03	22.88
				Pi/2 BPSK	Inner_Full	108	54	23.49	23.54	23.52
				QPSK		108	54	23.40	23.43	23.54
				Pi/2 BPSK	Outer_Full	216	0	22.82	22.85	22.98
				QPSK		216	0	22.38	22.38	22.46
				Pi/2 BPSK	Edge_IRB Left	1	0	22.85	22.81	22.79
				QPSK		1	0	22.34	22.33	22.31
				Pi/2 BPSK	Edge_Full Left	2	0	22.98	22.92	22.87
				QPSK		2	0	22.46	22.42	22.38
				Pi/2 BPSK	Edge_IRB Right	1	216	22.54	22.41	22.36
				QPSK		1	216	22.03	21.93	21.84
			Pi/2 BPSK	Edge_Full Right	2	215	22.66	22.53	22.42	
QPSK	2	215	22.16		22.02	21.96				
CP-OFDM	QPSK	Inner_IRB Left	1	1	22.22	22.13	21.80			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 633000 (3495 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 633666 (3504.99 MHz)	
n77 DoD	30	90	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	23.42	23.39	23.41
				QPSK		1	1	23.39	23.39	23.42
				16QAM		1	1	21.88	22.05	22.01
				64QAM		1	1	20.88	20.91	20.99
				256QAM	1	1	18.95	18.44	18.64	
				Pi/2 BPSK	Inner_IRB Right	1	243	23.09	22.89	22.87
				QPSK		1	243	23.01	22.89	22.76
				Pi/2 BPSK	Inner_Full	120	60	23.34	23.53	23.47
				QPSK		120	60	23.30	23.26	23.42
				Pi/2 BPSK	Outer_Full	243	0	22.82	22.91	22.97
				QPSK		243	0	22.28	22.43	22.50
				Pi/2 BPSK	Edge_IRB Left	1	0	22.92	22.89	22.95
				QPSK		1	0	22.42	22.39	22.47
				Pi/2 BPSK	Edge_Full Left	2	0	23.01	23.01	23.01
				QPSK		2	0	22.47	22.48	22.52
				Pi/2 BPSK	Edge_IRB Right	1	244	22.58	22.47	22.30
				QPSK		1	244	22.15	21.99	21.80
			Pi/2 BPSK	Edge_Full Right	2	243	22.69	22.58	22.39	
QPSK	2	243	22.19		22.06	21.89				
CP-OFDM	QPSK	Inner_IRB Left	1	1	22.04	21.84	22.00			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	N/A	Mid Channel 633334 (3500.01 MHz)	N/A
n77 DoD	30	100	DFT-s-OFDM	Pi/2 BPSK	Inner_1RB Left	1	1		23.66
				QPSK		1	1		23.74
				16QAM		1	1		22.07
				64QAM		1	1		21.12
				256QAM		1	1		18.16
				Pi/2 BPSK	Inner_1RB Right	1	271		22.84
				QPSK		1	271		22.82
				Pi/2 BPSK	Inner_Full	135	67		23.46
				QPSK		135	67		23.56
				Pi/2 BPSK	Outer_Full	270	0		22.91
				QPSK		270	0		22.41
				Pi/2 BPSK	Edge_1RB Left	1	0		22.87
				QPSK		1	0		22.16
				Pi/2 BPSK	Edge_Full Left	2	0		22.91
				QPSK		2	0		22.38
				Pi/2 BPSK	Edge_1RB Right	1	272		22.21
				QPSK		1	272		21.75
				Pi/2 BPSK	Edge_Full Right	2	271		22.38
				QPSK		2	271		21.79
			CP-OFDM	QPSK	Inner_1RB Left	1	1		21.87

Appendix E.4.6 5G NR n77 DoD Ant1,3

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 630668 (3460.02 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 636000 (3540 MHz)	
n78	30	20	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	22.32	22.71	22.49
				QPSK		1	1	22.33	22.66	22.44
				16QAM		1	1	21.15	21.22	21.03
				64QAM		1	1	19.83	20.14	19.89
				256QAM		1	1	17.74	17.57	17.33
				Pi/2 BPSK		Inner_IRB Right	1	49	22.31	22.76
				QPSK	1		49	22.30	22.72	22.19
				Pi/2 BPSK	Inner_Full	25	12	22.54	22.87	22.52
				QPSK		25	12	22.43	22.80	22.40
				Pi/2 BPSK	Outer_Full	50	0	21.96	22.34	21.96
				QPSK		50	0	21.43	21.79	21.38
				Pi/2 BPSK	Edge_IRB Left	1	0	21.80	22.09	21.90
				QPSK		1	0	21.31	21.59	21.37
				Pi/2 BPSK	Edge_Full Left	2	0	21.90	22.19	21.97
				QPSK		2	0	21.40	21.66	21.46
				Pi/2 BPSK	Edge_IRB Right	1	50	21.77	22.14	21.62
				QPSK		1	50	21.27	21.66	21.15
				Pi/2 BPSK	Edge_Full Right	2	49	21.88	22.23	21.74
			QPSK	2		49	21.39	21.70	21.28	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	20.94	21.14	21.00

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 631000 (3465 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 635666 (3534.99 MHz)	
n78	30	30	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	22.50	22.73	22.78
				QPSK		1	1	22.54	22.75	22.72
				16QAM		1	1	21.20	21.45	21.51
				64QAM		1	1	20.04	20.24	20.17
				256QAM		1	1	18.44	18.34	18.35
				Pi/2 BPSK		Inner_IRB Right	1	76	22.60	22.80
				QPSK	1		76	22.61	22.79	22.34
				Pi/2 BPSK	Inner_Full	36	18	22.66	23.04	22.73
				QPSK		36	18	22.59	22.98	22.67
				Pi/2 BPSK	Outer_Full	75	0	22.09	22.46	22.18
				QPSK		75	0	21.57	21.89	21.66
				Pi/2 BPSK	Edge_IRB Left	1	0	21.91	22.21	22.22
				QPSK		1	0	21.46	21.67	21.72
				Pi/2 BPSK	Edge_Full Left	2	0	22.07	22.29	22.23
				QPSK		2	0	21.54	21.76	21.73
				Pi/2 BPSK	Edge_IRB Right	1	77	22.05	22.24	21.85
				QPSK		1	77	21.51	21.74	21.34
				Pi/2 BPSK	Edge_Full Right	2	76	22.12	22.33	21.89
			QPSK	2		76	21.66	21.82	21.36	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	20.84	21.51	21.49

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 634334 (3470.01 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 635332 (3529.98 MHz)	
n78	30	40	DFT-s-OFDM	Pi/2 BPSK	Inner_IRB Left	1	1	22.37	22.41	22.52
				QPSK		1	1	22.34	22.39	22.47
				16QAM		1	1	21.38	21.13	21.23
				64QAM		1	1	19.96	19.83	19.90
				256QAM		1	1	17.81	17.28	17.42
				Pi/2 BPSK		Inner_IRB Right	1	104	22.50	22.45
				QPSK	1		104	22.50	22.43	21.95
				Pi/2 BPSK	Inner_Full	50	25	22.69	22.84	22.55
				QPSK		50	25	22.48	22.72	22.45
				Pi/2 BPSK	Outer_Full	100	0	22.16	22.21	21.92
				QPSK		100	0	21.54	21.70	21.44
				Pi/2 BPSK	Edge_IRB Left	1	0	21.96	21.80	21.95
				QPSK		1	0	21.36	21.32	21.43
				Pi/2 BPSK	Edge_Full Left	2	0	22.00	21.89	22.05
				QPSK		2	0	21.42	21.39	21.51
				Pi/2 BPSK	Edge_IRB Right	1	105	21.96	21.88	21.44
				QPSK		1	105	21.33	21.41	20.95
				Pi/2 BPSK	Edge_Full Right	2	104	22.01	21.99	21.55
			QPSK	2		104	21.56	21.47	21.05	
			CP-OFDM	QPSK	Inner_IRB Left	1	1	21.12	20.80	21.22

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 631668 (3475.02 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 635000 (3525 MHz)	
n78	30	50	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	22.54	22.71	22.78
					QPSK	1	1	22.53	22.70	22.81
					16QAM	1	1	21.26	21.43	21.42
					64QAM	1	1	20.07	20.14	20.34
					256QAM	1	1	17.71	17.52	17.67
				Inner_IRB Right	Pi/2 BPSK	1	131	22.89	22.73	22.31
					QPSK	1	131	22.84	22.70	22.23
				Inner_Full	Pi/2 BPSK	64	32	22.96	23.02	22.89
					QPSK	64	32	22.89	23.01	22.80
				Outer_Full	Pi/2 BPSK	128	0	22.35	22.44	22.18
					QPSK	128	0	21.85	22.00	21.74
				Edge_IRB Left	Pi/2 BPSK	1	0	21.98	22.00	22.18
					QPSK	1	0	21.48	21.50	21.71
				Edge_Full Left	Pi/2 BPSK	2	0	22.09	22.19	22.33
					QPSK	2	0	21.58	21.60	21.85
				Edge_IRB Right	Pi/2 BPSK	1	132	22.34	22.15	21.67
					QPSK	1	132	21.87	21.65	21.19
			Edge_Full Right	Pi/2 BPSK	2	131	22.44	22.28	21.76	
QPSK	2	131		21.93	21.75	21.30				
CP-OFDM	QPSK	Inner_IRB Left	1	1	21.15	21.44	21.22			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 632000 (3480 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 634666 (3519.99 MHz)	
n78	30	60	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	22.38	22.46	22.52
					QPSK	1	1	22.38	22.35	22.44
					16QAM	1	1	21.10	21.13	21.01
					64QAM	1	1	19.87	19.99	19.91
					256QAM	1	1	17.64	17.50	17.99
				Inner_IRB Right	Pi/2 BPSK	1	160	22.79	22.43	22.02
					QPSK	1	160	22.75	22.38	22.08
				Inner_Full	Pi/2 BPSK	81	40	22.79	22.82	22.60
					QPSK	81	40	22.68	22.75	22.52
				Outer_Full	Pi/2 BPSK	162	0	22.25	22.24	22.05
					QPSK	162	0	21.74	21.73	21.54
				Edge_IRB Left	Pi/2 BPSK	1	0	21.81	21.75	21.96
					QPSK	1	0	21.32	21.21	21.44
				Edge_Full Left	Pi/2 BPSK	2	0	21.90	21.90	22.06
					QPSK	2	0	21.39	21.37	21.55
				Edge_IRB Right	Pi/2 BPSK	1	161	22.22	21.84	21.45
					QPSK	1	161	21.71	21.34	20.96
			Edge_Full Right	Pi/2 BPSK	2	160	22.31	21.93	21.56	
QPSK	2	160		21.79	21.40	21.03				
CP-OFDM	QPSK	Inner_IRB Left	1	1	20.83	20.77	20.94			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 632334 (3485.01 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 634332 (3514.98 MHz)	
n78	30	70	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	22.46	22.53	22.59
					QPSK	1	1	22.44	22.52	22.59
					16QAM	1	1	21.14	21.11	21.19
					64QAM	1	1	19.95	20.09	20.10
					256QAM	1	1	18.14	18.18	17.75
				Inner_IRB Right	Pi/2 BPSK	1	187	22.69	22.61	22.35
					QPSK	1	187	22.71	22.62	22.27
				Inner_Full	Pi/2 BPSK	90	45	22.92	23.02	23.05
					QPSK	90	45	22.81	23.05	23.02
				Outer_Full	Pi/2 BPSK	180	0	22.31	22.44	22.50
					QPSK	180	0	21.79	21.97	21.97
				Edge_IRB Left	Pi/2 BPSK	1	0	21.87	21.97	22.03
					QPSK	1	0	21.42	21.41	21.50
				Edge_Full Left	Pi/2 BPSK	2	0	22.00	22.11	22.11
					QPSK	2	0	21.50	21.57	21.60
				Edge_IRB Right	Pi/2 BPSK	1	188	22.14	22.02	21.76
					QPSK	1	188	21.65	21.55	21.26
			Edge_Full Right	Pi/2 BPSK	2	187	22.23	22.14	21.85	
QPSK	2	187		21.70	21.61	21.40				
CP-OFDM	QPSK	Inner_IRB Left	1	1	21.03	20.96	21.05			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 632668 (3490.02 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 634000 (3510 MHz)	
n78	30	80	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	22.55	22.56	22.69
					QPSK	1	1	22.47	22.52	22.66
					16QAM	1	1	21.21	21.12	21.21
					64QAM	1	1	20.01	20.01	20.13
					256QAM	1	1	17.74	18.09	18.20
				Inner_IRB Right	Pi/2 BPSK	1	215	22.67	22.57	22.54
					QPSK	1	215	22.64	22.49	22.46
				Inner_Full	Pi/2 BPSK	108	54	23.03	23.05	23.05
					QPSK	108	54	23.01	23.02	23.01
				Outer_Full	Pi/2 BPSK	216	0	22.34	22.43	22.58
					QPSK	216	0	21.87	21.90	22.04
				Edge_IRB Left	Pi/2 BPSK	1	0	21.93	21.95	22.09
					QPSK	1	0	21.46	21.46	21.59
				Edge_Full Left	Pi/2 BPSK	2	0	22.06	22.04	22.19
					QPSK	2	0	21.56	21.53	21.66
				Edge_IRB Right	Pi/2 BPSK	1	216	22.07	22.00	21.92
					QPSK	1	216	21.57	21.50	21.44
				Edge_Full Right	Pi/2 BPSK	2	215	22.19	22.09	22.04
QPSK	2	215	21.67		21.54	21.53				
CP-OFDM	QPSK	Inner_IRB Left	1	1	20.94	21.29	21.07			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	Low Channel 633000 (3495 MHz)	Mid Channel 633334 (3500.01 MHz)	High Channel 633666 (3504.99 MHz)	
n78	30	90	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1	22.57	22.57	22.64
					QPSK	1	1	22.47	22.52	22.59
					16QAM	1	1	21.26	21.29	21.31
					64QAM	1	1	19.99	20.08	20.10
					256QAM	1	1	18.05	18.16	17.87
				Inner_IRB Right	Pi/2 BPSK	1	243	22.50	22.54	22.55
					QPSK	1	243	22.44	22.38	22.48
				Inner_Full	Pi/2 BPSK	120	60	22.43	22.94	22.73
					QPSK	120	60	22.40	22.89	22.62
				Outer_Full	Pi/2 BPSK	243	0	22.30	22.39	22.50
					QPSK	243	0	21.84	21.91	21.96
				Edge_IRB Left	Pi/2 BPSK	1	0	22.10	22.11	22.12
					QPSK	1	0	21.57	21.59	21.63
				Edge_Full Left	Pi/2 BPSK	2	0	22.18	22.17	22.24
					QPSK	2	0	21.67	21.71	21.73
				Edge_IRB Right	Pi/2 BPSK	1	244	22.07	22.07	22.05
					QPSK	1	244	21.58	21.60	21.52
				Edge_Full Right	Pi/2 BPSK	2	243	22.18	22.13	22.14
QPSK	2	243	21.63		21.60	21.68				
CP-OFDM	QPSK	Inner_IRB Left	1	1	21.15	20.98	21.05			

Band	SCS (KHz)	Bandwidth (MHz)	Modulation	RB allocation	RB Size	RB Offset	N/A	Mid Channel 633334 (3500.01 MHz)	N/A	
n77 DoD	30	100	DFT-s-OFDM	Inner_IRB Left	Pi/2 BPSK	1	1		23.00	
					QPSK	1	1		23.07	
					16QAM	1	1		21.59	
					64QAM	1	1		20.15	
					256QAM	1	1		17.87	
				Inner_IRB Right	Pi/2 BPSK	1	271		22.43	
					QPSK	1	271		22.44	
				Inner_Full	Pi/2 BPSK	135	67		23.03	
					QPSK	135	67		23.06	
				Outer_Full	Pi/2 BPSK	270	0		22.35	
					QPSK	270	0		21.86	
				Edge_IRB Left	Pi/2 BPSK	1	0		22.03	
					QPSK	1	0		21.51	
				Edge_Full Left	Pi/2 BPSK	2	0		22.12	
					QPSK	2	0		21.60	
				Edge_IRB Right	Pi/2 BPSK	1	272		21.86	
					QPSK	1	272		21.37	
				Edge_Full Right	Pi/2 BPSK	2	271		21.98	
QPSK	2	271			21.43					
CP-OFDM	QPSK	Inner_IRB Left	1	1		21.33				