

Appendix B. Test Results_26dB & Occupied

NR n5					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	5 MHz	836.5	4.892	4.4840
		10 MHz	836.5	9.558	8.9302
		15 MHz	836.5	14.13	13.3880
		20 MHz	836.5	18.7	17.8500
QPSK	CP-OFDM	5 MHz	836.5	4.89	4.4659
		10 MHz	836.5	9.903	9.2729
		15 MHz	836.5	14.9	14.0710
		20 MHz	836.5	19.78	18.8690
16QAM	CP-OFDM	5 MHz	836.5	4.95	4.4777
		10 MHz	836.5	9.935	9.2979
		15 MHz	836.5	14.79	14.0640
		20 MHz	836.5	19.81	18.8410

NR n7					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	5 MHz	2535	4.917	4.4867
		10 MHz	2535	9.52	8.9261
		15 MHz	2535	14.71	13.4060
		20 MHz	2535	18.73	17.8840
QPSK	CP-OFDM	5 MHz	2535	4.927	4.4751
		10 MHz	2535	9.922	9.2596
		15 MHz	2535	14.89	14.0820
		20 MHz	2535	19.81	18.9380
16QAM	CP-OFDM	5 MHz	2535	4.945	4.4687
		10 MHz	2535	9.943	9.2919
		15 MHz	2535	14.88	14.0730
		20 MHz	2535	19.79	18.8860

NR n12					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	5 MHz	707.5	4.871	4.4708
		10 MHz	707.5	9.558	8.9375
		15 MHz	707.5	14.19	13.3840
QPSK	CP-OFDM	5 MHz	707.5	4.903	4.4653
		10 MHz	707.5	9.957	9.2612
		15 MHz	707.5	14.88	14.0720
16QAM	CP-OFDM	5 MHz	707.5	4.964	4.4807
		10 MHz	707.5	9.71	9.3575
		15 MHz	707.5	14.8	14.0580

NR n13					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	5 MHz	782	4.874	4.4782
		10 MHz	782	9.426	8.9259
QPSK	CP-OFDM	5 MHz	782	4.921	4.4743
		10 MHz	782	9.896	9.2405
16QAM	CP-OFDM	5 MHz	782	4.867	4.4697
		10 MHz	782	9.909	9.2623

NR n14					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	5 MHz	793	4.832	4.4798
		10 MHz	793	9.502	8.9362
QPSK	CP-OFDM	5 MHz	793	4.897	4.4635
		10 MHz	793	9.967	9.2726
16QAM	CP-OFDM	5 MHz	793	4.932	4.4809
		10 MHz	793	9.944	9.3004

NR n25					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	5 MHz	1882.5	4.936	4.4754
		10 MHz	1882.5	9.565	8.9189
		15 MHz	1882.5	14.16	13.4000
		20 MHz	1882.5	18.78	17.8960
QPSK	CP-OFDM	5 MHz	1882.5	4.94	4.4713
		10 MHz	1882.5	9.895	9.2754
		15 MHz	1882.5	14.19	14.1020
		20 MHz	1882.5	19.87	18.9260
16QAM	CP-OFDM	5 MHz	1882.5	4.933	4.4795
		10 MHz	1882.5	9.933	9.2978
		15 MHz	1882.5	14.79	14.0780
		20 MHz	1882.5	19.88	18.9290

NR n30					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	5 MHz	2310	5.032	4.4974
		10 MHz	2310	9.833	9.0385
QPSK	CP-OFDM	5 MHz	2310	5.017	4.4979
		10 MHz	2310	10.27	9.3619
16QAM	CP-OFDM	5 MHz	2310	4.985	4.5003
		10 MHz	2310	10.19	9.3790

NR n38					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	20 MHz	2595	19.15	17.8480
		30 MHz	2595	28.29	26.8040
		40 MHz	2595	37.43	35.7640
QPSK	CP-OFDM	20 MHz	2595	19.7	18.2010
		30 MHz	2595	29.46	27.8410
		40 MHz	2595	39.68	37.8590
16QAM	CP-OFDM	20 MHz	2595	19.57	18.2370
		30 MHz	2595	29.2	27.8480
		40 MHz	2595	39.62	37.8620

NR n41					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	20 MHz	2592.99	18.64	17.8530
		30 MHz	2592.99	27.79	26.7600
		40 MHz	2592.99	37.05	35.7000
		50 MHz	2592.99	47.32	45.6670
		60 MHz	2592.99	59.81	57.9130
		70 MHz	2592.99	66.42	64.2160
		80 MHz	2592.99	79.71	77.1710
		90 MHz	2592.99	89.61	86.6240
		100 MHz	2592.99	99.6	96.2950
QPSK	CP-OFDM	20 MHz	2592.99	18.99	18.2020
		30 MHz	2592.99	28.94	27.8370
		40 MHz	2592.99	39.24	37.8320
		50 MHz	2592.99	49.16	47.4970
		60 MHz	2592.99	59.82	57.8610
		70 MHz	2592.99	69.72	67.4810
		80 MHz	2592.99	80.07	77.4010
		90 MHz	2592.99	90.4	87.4770
		100 MHz	2592.99	100.7	97.3810
16QAM	CP-OFDM	20 MHz	2592.99	19.05	18.2130
		30 MHz	2592.99	28.94	27.8550
		40 MHz	2592.99	39.25	37.7940
		50 MHz	2592.99	49.11	47.4840
		60 MHz	2592.99	59.83	57.8250
		70 MHz	2592.99	69.71	67.4760
		80 MHz	2592.99	80.06	77.4640
		90 MHz	2592.99	90.33	87.3250
		100 MHz	2592.99	100.7	97.3900

NR n48					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	10 MHz	3624.99	9.155	8.5860
		20 MHz	3624.99	18.53	17.8250
		40 MHz	3624.99	37.03	35.6100
QPSK	CP-OFDM	10 MHz	3624.99	9.162	8.5791
		20 MHz	3624.99	18.91	18.1860
		40 MHz	3624.99	39.22	37.7750
16QAM	CP-OFDM	10 MHz	3624.99	9.156	8.5752
		20 MHz	3624.99	19.09	18.1790
		40 MHz	3624.99	39.29	37.7760

NR n66					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	5 MHz	1745	5.027	4.5035
		10 MHz	1745	9.832	9.0335
		15 MHz	1745	14.42	13.4630
		20 MHz	1745	18.9	17.9260
QPSK	CP-OFDM	5 MHz	1745	5.009	4.4985
		10 MHz	1745	10.27	9.3593
		15 MHz	1745	15.13	14.1510
		20 MHz	1745	19.95	18.9960
16QAM	CP-OFDM	5 MHz	1745	4.99	4.5026
		10 MHz	1745	10.15	9.3662
		15 MHz	1745	15.02	14.1610
		20 MHz	1745	19.99	18.9450

NR n71					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	5 MHz	680.5	4.944	4.4812
		10 MHz	680.5	9.811	9.0718
		15 MHz	680.5	14.34	13.4260
		20 MHz	680.5	18.87	17.8840
QPSK	CP-OFDM	5 MHz	680.5	5.07	4.5025
		10 MHz	680.5	10.24	9.3559
		15 MHz	680.5	15.11	14.0980
		20 MHz	680.5	19.92	18.9290
16QAM	CP-OFDM	5 MHz	680.5	5.059	4.5057
		10 MHz	680.5	10.17	9.3518
		15 MHz	680.5	15.03	14.1370
		20 MHz	680.5	19.95	18.8620

NR n77					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	20 MHz	3840	18.58	17.8500
		30 MHz	3840	27.82	26.7540
		40 MHz	3840	37.02	35.6580
		60 MHz	3840	59.82	57.8280
		80 MHz	3840	79.7	77.0360
		90 MHz	3840	89.67	86.7310
		100 MHz	3840	99.58	96.3460
QPSK	CP-OFDM	20 MHz	3840	18.92	18.1820
		30 MHz	3840	28.9	27.8180
		40 MHz	3840	39.22	37.8000
		60 MHz	3840	59.81	57.7750
		80 MHz	3840	80.07	77.4130
		90 MHz	3840	90.4	87.3900
		100 MHz	3840	100.6	97.4440
16QAM	CP-OFDM	20 MHz	3840	18.95	18.2120
		30 MHz	3840	28.86	27.7870
		40 MHz	3840	39.21	37.8240
		60 MHz	3840	59.8	57.7780
		80 MHz	3840	80.03	77.4070
		90 MHz	3840	90.41	87.4630
		100 MHz	3840	100.6	97.4650

NR n77 (3450-3550)					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	20 MHz	3500.01	18.62	17.8580
		30 MHz	3500.01	27.8	26.7410
		40 MHz	3500.01	37.05	35.6770
		60 MHz	3500.01	59.84	57.7680
		80 MHz	3500.01	79.72	77.0280
		90 MHz	3500.01	89.68	86.6820
		100 MHz	3500.01	99.59	96.2740
QPSK	CP-OFDM	20 MHz	3500.01	19	18.1790
		30 MHz	3500.01	28.9	27.8260
		40 MHz	3500.01	39.25	37.7910
		60 MHz	3500.01	59.82	57.7340
		80 MHz	3500.01	80.1	77.3830
		90 MHz	3500.01	90.4	87.4440
		100 MHz	3500.01	100.7	97.3770
16QAM	CP-OFDM	20 MHz	3500.01	18.98	18.2010
		30 MHz	3500.01	28.9	27.8140
		40 MHz	3500.01	39.24	37.8120
		60 MHz	3500.01	59.8	57.7750
		80 MHz	3500.01	80.09	77.4160
		90 MHz	3500.01	90.43	87.4140
		100 MHz	3500.01	100.7	97.3990

UL MIMO					
NR n41					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	20 MHz	2592.99	18.59	17.8400
		30 MHz	2592.99	27.81	26.7560
		40 MHz	2592.99	37.07	35.6550
		50 MHz	2592.99	47.35	45.7750
		60 MHz	2592.99	59.84	57.8390
		70 MHz	2592.99	66.45	64.2240
		80 MHz	2592.99	79.72	77.1080
		90 MHz	2592.99	89.67	86.8050
		100 MHz	2592.99	99.6	96.3360
QPSK	CP-OFDM	20 MHz	2592.99	19.05	18.1820
		30 MHz	2592.99	28.93	27.8350
		40 MHz	2592.99	39.24	37.8340
		50 MHz	2592.99	49.16	47.4870
		60 MHz	2592.99	59.81	57.8400
		70 MHz	2592.99	69.73	67.5010
		80 MHz	2592.99	80.09	77.4590
		90 MHz	2592.99	90.41	87.4200
		100 MHz	2592.99	100.7	97.3260
16QAM	CP-OFDM	20 MHz	2592.99	19.04	18.2320
		30 MHz	2592.99	28.91	27.7980
		40 MHz	2592.99	39.2	37.8100
		50 MHz	2592.99	49.15	47.4600
		60 MHz	2592.99	59.83	57.8460
		70 MHz	2592.99	69.71	67.4450
		80 MHz	2592.99	80.12	77.3920
		90 MHz	2592.99	90.4	87.4780
		100 MHz	2592.99	100.6	97.2760

NR n48					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	10 MHz	3624.99	9.258	8.5921
		20 MHz	3624.99	18.59	17.8450
		40 MHz	3624.99	37.07	35.6860
QPSK	CP-OFDM	10 MHz	3624.99	9.214	8.5800
		20 MHz	3624.99	19.09	18.2120
		40 MHz	3624.99	39.21	37.8350
16QAM	CP-OFDM	10 MHz	3624.99	9.153	8.5699
		20 MHz	3624.99	18.97	18.2020
		40 MHz	3624.99	39.22	37.8490

NR n77					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	20 MHz	3840	18.56	17.7870
		30 MHz	3840	27.75	26.7630
		40 MHz	3840	37.03	35.6780
		60 MHz	3840	59.77	57.7490
		80 MHz	3840	79.62	77.0700
		90 MHz	3840	89.54	86.8620
		100 MHz	3840	99.64	96.3970
QPSK	CP-OFDM	20 MHz	3840	18.9	18.1520
		30 MHz	3840	28.86	27.8240
		40 MHz	3840	39.38	37.8020
		60 MHz	3840	59.74	57.8310
		80 MHz	3840	80.04	77.3970
		90 MHz	3840	90.34	87.0530
		100 MHz	3840	100.6	97.5350
16QAM	CP-OFDM	20 MHz	3840	18.92	18.1660
		30 MHz	3840	28.82	27.8110
		40 MHz	3840	39.18	37.8880
		60 MHz	3840	59.81	57.8560
		80 MHz	3840	80	77.5170
		90 MHz	3840	90.2	87.4580
		100 MHz	3840	100.5	97.4290

NR n77 (3450-3550)					
Modulation	OFDM	Channel Bandwidth	Frequency (MHz)	26dB Bandwidth (MHz)	Occupied Bandwidth (MHz)
QPSK	DFT-S-OFDM	20 MHz	3500.01	18.55	17.8360
		30 MHz	3500.01	27.77	26.7900
		40 MHz	3500.01	37.07	35.6580
		60 MHz	3500.01	59.85	57.8000
		80 MHz	3500.01	79.67	77.0210
		90 MHz	3500.01	89.67	86.6460
		100 MHz	3500.01	99.55	96.0090
QPSK	CP-OFDM	20 MHz	3500.01	18.94	18.1670
		30 MHz	3500.01	28.92	27.8140
		40 MHz	3500.01	39.2	37.8150
		60 MHz	3500.01	59.82	57.8110
		80 MHz	3500.01	80.08	77.3380
		90 MHz	3500.01	90.41	87.3680
		100 MHz	3500.01	100.7	97.3520
16QAM	CP-OFDM	20 MHz	3500.01	18.98	18.2270
		30 MHz	3500.01	28.88	27.8360
		40 MHz	3500.01	39.23	37.8180
		60 MHz	3500.01	59.83	57.7560
		80 MHz	3500.01	80.08	77.2900
		90 MHz	3500.01	90.41	87.4110
		100 MHz	3500.01	100.7	97.3570