



B7_n77(3700-3980MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	23.92	22.66	23.25
100		1	136	23.58	23.13	23.26
100		1	271	22.82	23.25	24.06
100		135	1	23.59	22.23	22.73
100		135	67	23.70	23.23	23.36
100		135	136	22.56	22.46	23.15
100		270	0	23.15	22.65	22.90
100	DFT-s-OFDM QPSK	1	1	23.89	22.68	23.22
100		1	136	23.56	23.16	23.24
100		1	271	22.86	23.21	24.04
100		135	1	23.10	21.72	22.18
100		135	67	23.66	23.20	23.33
100		135	136	22.12	21.96	22.67
100		270	0	22.68	22.17	22.41
100	DFT-s-OFDM 16QAM	1	1	22.88	21.73	22.25
100	DFT-s-OFDM 64QAM	1	1	21.54	20.35	20.96
100	DFT-s-OFDM 256QAM	1	1	19.28	18.08	18.64
100	CP-OFDM QPSK	1	1	22.44	21.19	21.68
100	CP-OFDM 16QAM	1	1	22.08	20.84	21.33
100	CP-OFDM 64QAM	1	1	20.51	19.28	19.83
100	CP-OFDM 256QAM	1	1	17.34	16.08	16.60
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	23.95	22.79	23.32
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	23.97	22.76	22.71
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.99	23.22	23.48
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	24.24	23.19	23.67
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	24.14	23.30	23.88



B13_n77(3700-3980MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	22.71	21.86	22.22
100		1	136	20.83	23.36	20.81
100		1	271	21.76	22.17	22.47
100		135	1	21.49	22.15	20.97
100		135	67	21.28	23.46	21.13
100		135	136	20.83	22.13	20.97
100		270	0	21.87	20.45	21.08
100	DFT-s-OFDM QPSK	1	1	23.13	21.84	22.22
100		1	136	21.71	23.47	20.79
100		1	271	21.80	21.92	22.22
100		135	1	21.47	21.78	20.69
100		135	67	21.31	23.28	20.97
100		135	136	20.35	21.75	20.83
100		270	0	20.96	21.90	20.37
100	DFT-s-OFDM 16QAM	1	1	22.02	21.19	19.39
100	DFT-s-OFDM 64QAM	1	1	20.44	19.94	19.83
100	DFT-s-OFDM 256QAM	1	1	18.22	17.28	17.60
100	CP-OFDM QPSK	1	1	21.36	20.40	20.73
100	CP-OFDM 16QAM	1	1	20.96	20.34	20.31
100	CP-OFDM 64QAM	1	1	19.52	18.48	18.90
100	CP-OFDM 256QAM	1	1	16.29	15.27	15.62
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	22.78	21.99	20.51
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	22.80	22.52	20.15
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.28	23.21	21.02
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	23.13	23.21	21.33
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.13	23.24	21.66



B66_n77(3700-3980MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	23.78	22.64	23.21
100		1	136	23.55	23.10	23.12
100		1	271	22.73	23.21	24.00
100		135	1	23.49	22.22	22.69
100		135	67	23.67	23.08	23.26
100		135	136	22.55	22.40	23.13
100		270	0	23.12	22.63	22.80
100	DFT-s-OFDM QPSK	1	1	23.75	22.62	23.19
100		1	136	23.52	23.09	23.09
100		1	271	22.68	23.18	23.99
100		135	1	22.98	21.70	22.18
100		135	67	23.65	23.09	23.18
100		135	136	22.01	21.92	22.54
100		270	0	22.61	22.10	22.28
100	DFT-s-OFDM 16QAM	1	1	22.69	21.63	22.27
100	DFT-s-OFDM 64QAM	1	1	21.36	20.14	20.77
100	DFT-s-OFDM 256QAM	1	1	19.15	17.98	18.60
100	CP-OFDM QPSK	1	1	22.33	21.14	21.75
100	CP-OFDM 16QAM	1	1	21.98	20.78	21.32
100	CP-OFDM 64QAM	1	1	20.39	19.24	19.82
100	CP-OFDM 256QAM	1	1	17.14	16.04	16.51
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	23.82	22.67	23.14
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	23.84	22.74	22.57
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	24.40	23.17	23.38
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	24.24	23.19	23.52
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	24.09	23.19	23.76



B71_n77(3700-3980MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				650000	656000	662000
Frequency (MHz)				3750	3840	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	22.84	21.86	22.24
100		1	136	21.09	23.35	20.83
100		1	271	22.12	22.17	22.30
100		135	1	21.77	22.16	21.00
100		135	67	21.63	23.40	21.15
100		135	136	20.78	22.15	21.01
100		270	0	21.38	22.42	21.17
100	DFT-s-OFDM QPSK	1	1	22.82	21.83	22.22
100		1	136	21.10	23.39	20.81
100		1	271	21.82	21.92	22.26
100		135	1	21.23	21.64	20.91
100		135	67	21.33	23.31	20.96
100		135	136	20.58	21.77	20.99
100		270	0	20.72	21.91	20.36
100	DFT-s-OFDM 16QAM	1	1	22.10	20.97	19.45
100	DFT-s-OFDM 64QAM	1	1	20.44	19.48	19.91
100	DFT-s-OFDM 256QAM	1	1	18.22	17.24	17.57
100	CP-OFDM QPSK	1	1	21.44	20.36	20.80
100	CP-OFDM 16QAM	1	1	21.05	20.23	20.42
100	CP-OFDM 64QAM	1	1	19.48	18.55	18.87
100	CP-OFDM 256QAM	1	1	16.28	15.24	15.61
Channel				649334	656000	662666
Frequency (MHz)				3740.01	3840	3939.99
80	DFT-s-OFDM QPSK	1	1	22.99	22.23	21.43
Channel				648668	656000	663332
Frequency (MHz)				3730.02	3840	3949.98
60	DFT-s-OFDM QPSK	1	1	23.00	22.75	20.98
Channel				648000	656000	664000
Frequency (MHz)				3720	3840	3960
40	DFT-s-OFDM QPSK	1	1	23.50	23.46	21.68
Channel				647668	656000	664332
Frequency (MHz)				3715.02	3840	3964.98
30	DFT-s-OFDM QPSK	1	1	23.34	23.49	21.92
Channel				647334	656000	664666
Frequency (MHz)				3710.01	3840	3969.99
20	DFT-s-OFDM QPSK	1	1	23.31	23.57	22.26



B2_n78(3450-3550MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.04	/
100		1	136	/	23.18	/
100		1	271	/	23.10	/
100		135	1	/	22.74	/
100		135	67	/	23.34	/
100		135	136	/	22.49	/
100		270	0	/	22.69	/
100	DFT-s-OFDM QPSK	1	1	/	23.10	/
100		1	136	/	23.25	/
100		1	271	/	23.12	/
100		135	1	/	22.24	/
100		135	67	/	23.29	/
100		135	136	/	21.97	/
100		270	0	/	22.17	/
100	DFT-s-OFDM 16QAM	1	1	/	22.15	/
100	DFT-s-OFDM 64QAM	1	1	/	20.71	/
100	DFT-s-OFDM 256QAM	1	1	/	18.48	/
100	CP-OFDM QPSK	1	1	/	21.68	/
100	CP-OFDM 16QAM	1	1	/	21.24	/
100	CP-OFDM 64QAM	1	1	/	19.71	/
100	CP-OFDM 256QAM	1	1	/	16.53	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	23.08	23.12	23.20
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.20	23.16	23.20
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.12	23.27	23.29
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.27	23.36	23.36
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	23.25	23.35	23.39
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.66	23.71	23.60
Channel				631000	633334	635666



Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.60	23.61	23.42
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.59	23.70	23.23

B5_n78(3450-3550MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.32	/
100		1	136	/	23.41	/
100		1	271	/	22.96	/
100		135	1	/	22.89	/
100		135	67	/	23.56	/
100		135	136	/	22.52	/
100		270	0	/	22.89	/
100		1	1	/	23.39	/
100	DFT-s-OFDM QPSK	1	136	/	23.48	/
100		1	271	/	23.09	/
100		135	1	/	22.33	/
100		135	67	/	23.47	/
100		135	136	/	22.25	/
100		270	0	/	22.39	/
100	DFT-s-OFDM 16QAM	1	1	/	22.46	/
100	DFT-s-OFDM 64QAM	1	1	/	20.96	/
100	DFT-s-OFDM 256QAM	1	1	/	18.74	/
100	CP-OFDM QPSK	1	1	/	21.90	/
100	CP-OFDM 16QAM	1	1	/	21.56	/
100	CP-OFDM 64QAM	1	1	/	19.97	/
100	CP-OFDM 256QAM	1	1	/	16.74	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	23.35	23.32	23.31
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.41	23.39	23.40
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.41	23.41	23.45
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.58	23.54	23.63
Channel				631668	633334	635000



Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	23.55	23.54	23.59
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.99	23.98	23.80
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.86	23.90	23.56
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.82	23.92	23.34

B7_n78(3450-3550MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.22	/
100		1	136	/	23.21	/
100		1	271	/	23.13	/
100		135	1	/	22.70	/
100		135	67	/	23.34	/
100		135	136	/	22.44	/
100		270	0	/	22.79	/
100	DFT-s-OFDM QPSK	1	1	/	23.17	/
100		1	136	/	23.24	/
100		1	271	/	23.17	/
100		135	1	/	22.16	/
100		135	67	/	23.28	/
100		135	136	/	21.96	/
100		270	0	/	22.31	/
100	DFT-s-OFDM 16QAM	1	1	/	22.30	/
100	DFT-s-OFDM 64QAM	1	1	/	20.78	/
100	DFT-s-OFDM 256QAM	1	1	/	18.73	/
100	CP-OFDM QPSK	1	1	/	21.66	/
100	CP-OFDM 16QAM	1	1	/	21.28	/
100	CP-OFDM 64QAM	1	1	/	19.73	/
100	CP-OFDM 256QAM	1	1	/	16.56	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	23.14	23.13	23.14
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.27	23.21	23.16
Channel				632334	633334	634332



Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.25	23.29	23.27
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.32	23.30	23.47
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	23.37	23.39	23.41
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.74	23.66	23.66
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.65	23.72	23.37
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.56	23.74	23.30

B66_n78(3450-3550MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.27	
100		1	136	/	23.38	
100		1	271	/	23.26	
100		135	1	/	22.76	
100		135	67	/	23.48	
100		135	136	/	22.58	
100		270	0	/	22.91	
100		1	1	/	23.25	
100	DFT-s-OFDM QPSK	1	136	/	23.30	
100		1	271	/	23.26	
100		135	1	/	22.21	
100		135	67	/	23.34	
100		135	136	/	22.04	
100		270	0	/	22.28	
100	DFT-s-OFDM 16QAM	1	1	/	22.23	
100	DFT-s-OFDM 64QAM	1	1	/	20.92	
100	DFT-s-OFDM 256QAM	1	1	/	18.65	
100	CP-OFDM QPSK	1	1	/	21.71	
100	CP-OFDM 16QAM	1	1	/	21.28	
100	CP-OFDM 64QAM	1	1	/	19.90	
100	CP-OFDM 256QAM	1	1	/	16.61	
Channel				633000	633334	633666



Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	23.18	23.20	23.18
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.31	23.30	23.24
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.36	23.34	23.27
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.40	23.36	23.51
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	23.40	23.33	23.51
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.71	23.71	23.30
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.65	23.68	23.45
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.59	23.68	23.36

B71_n78(3450-3550MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	633334	/
Frequency (MHz)				/	3500.01	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.33	/
100		1	136	/	23.39	/
100		1	271	/	23.15	/
100		135	1	/	22.87	/
100		135	67	/	23.61	/
100		135	136	/	22.51	/
100		270	0	/	21.21	/
100		1	1	/	23.23	/
100	DFT-s-OFDM QPSK	1	136	/	23.46	/
100		1	271	/	22.99	/
100		135	1	/	22.40	/
100		135	67	/	23.49	/
100		135	136	/	22.00	/
100		270	0	/	22.33	/
100	DFT-s-OFDM 16QAM	1	1	/	22.34	/
100	DFT-s-OFDM 64QAM	1	1	/	20.89	/



100	DFT-s-OFDM 256QAM	1	1	/	18.79	/
100	CP-OFDM QPSK	1	1	/	21.86	/
100	CP-OFDM 16QAM	1	1	/	21.45	/
100	CP-OFDM 64QAM	1	1	/	20.34	/
100	CP-OFDM 256QAM	1	1	/	16.71	/
Channel				633000	633334	633666
Frequency (MHz)				3495	3500.01	3504.99
90	DFT-s-OFDM QPSK	1	1	23.28	23.28	23.24
Channel				632668	633334	634000
Frequency (MHz)				3490.02	3500.01	3510
80	DFT-s-OFDM QPSK	1	1	23.33	23.40	23.34
Channel				632334	633334	634332
Frequency (MHz)				3485.01	3500.01	3514.98
70	DFT-s-OFDM QPSK	1	1	23.41	23.41	23.42
Channel				632000	633334	634666
Frequency (MHz)				3480	3500.01	3519.99
60	DFT-s-OFDM QPSK	1	1	23.57	23.51	23.59
Channel				631668	633334	635000
Frequency (MHz)				3475.02	3500.01	3525
50	DFT-s-OFDM QPSK	1	1	23.51	23.55	23.59
Channel				631334	633334	635332
Frequency (MHz)				3470.01	3500.01	3529.98
40	DFT-s-OFDM QPSK	1	1	23.95	24.00	23.84
Channel				631000	633334	635666
Frequency (MHz)				3465	3500.01	3534.99
30	DFT-s-OFDM QPSK	1	1	23.85	23.87	23.45
Channel				630668	633334	636000
Frequency (MHz)				3460.02	3500.01	3540
20	DFT-s-OFDM QPSK	1	1	23.79	23.84	23.30

B2_n78(3700-3800MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	650000	/
Frequency (MHz)				/	3750	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.68	/
100		1	136	/	23.38	/
100		1	271	/	22.72	/
100		135	1	/	23.38	/
100		135	67	/	23.46	/
100		135	136	/	22.42	/
100		270	0	/	22.94	/
100		1	1	/	23.62	/
100	DFT-s-OFDM QPSK	1	136	/	23.32	/
100		1	271	/	22.66	/



100		135	1	/	22.88	/
100		135	67	/	23.43	/
100		135	136	/	21.93	/
100		270	0	/	22.42	/
100	DFT-s-OFDM 16QAM	1	1	/	22.68	/
100	DFT-s-OFDM 64QAM	1	1	/	21.27	/
100	DFT-s-OFDM 256QAM	1	1	/	19.10	/
100	CP-OFDM QPSK	1	1	/	22.20	/
100	CP-OFDM 16QAM	1	1	/	21.83	/
100	CP-OFDM 64QAM	1	1	/	20.31	/
100	CP-OFDM 256QAM	1	1	/	17.13	/
Channel				649668	650000	650332
Frequency (MHz)				3745.02	3750	3754.98
90	DFT-s-OFDM QPSK	1	1	23.64	23.65	23.68
Channel				649334	650000	650666
Frequency (MHz)				3740.01	3750	3759.99
80	DFT-s-OFDM QPSK	1	1	23.69	23.77	23.90
Channel				649000	650000	651000
Frequency (MHz)				3735	3750	3765
70	DFT-s-OFDM QPSK	1	1	23.77	23.91	23.87
Channel				648668	650000	651332
Frequency (MHz)				3730.02	3750	3769.98
60	DFT-s-OFDM QPSK	1	1	23.75	23.86	23.56
Channel				648334	650000	651666
Frequency (MHz)				3725.01	3750	3774.99
50	DFT-s-OFDM QPSK	1	1	23.90	23.92	23.47
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	DFT-s-OFDM QPSK	1	1	23.69	23.84	23.11
Channel				647668	650000	652332
Frequency (MHz)				3715.02	3750	3784.98
30	DFT-s-OFDM QPSK	1	1	23.64	23.63	23.36
Channel				647334	650000	652666
Frequency (MHz)				3710.01	3750	3789.99
20	DFT-s-OFDM QPSK	1	1	23.99	23.90	23.05

B5_n78(3700-3800MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	650000	/
Frequency (MHz)				/	3750	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	22.88	/
100		1	136	/	21.02	/
100		1	271	/	21.89	/
100		135	1	/	21.74	/



100		135	67	/	21.48	/
100		135	136	/	20.55	/
100		270	0	/	21.30	/
100	DFT-s-OFDM QPSK	1	1	/	22.85	/
100		1	136	/	20.98	/
100		1	271	/	21.70	/
100		135	1	/	21.45	/
100		135	67	/	21.25	/
100		135	136	/	20.31	/
100		270	0	/	20.65	/
100	DFT-s-OFDM 16QAM	1	1	/	22.21	/
100	DFT-s-OFDM 64QAM	1	1	/	20.42	/
100	DFT-s-OFDM 256QAM	1	1	/	18.18	/
100	CP-OFDM QPSK	1	1	/	21.37	/
100	CP-OFDM 16QAM	1	1	/	21.07	/
100	CP-OFDM 64QAM	1	1	/	19.48	/
100	CP-OFDM 256QAM	1	1	/	16.24	/
Channel				649668	650000	650332
Frequency (MHz)				3745.02	3750	3754.98
90	DFT-s-OFDM QPSK	1	1	22.82	22.67	22.51
Channel				649334	650000	650666
Frequency (MHz)				3740.01	3750	3759.99
80	DFT-s-OFDM QPSK	1	1	22.87	22.56	22.21
Channel				649000	650000	651000
Frequency (MHz)				3735	3750	3765
70	DFT-s-OFDM QPSK	1	1	22.91	22.41	21.86
Channel				648668	650000	651332
Frequency (MHz)				3730.02	3750	3769.98
60	DFT-s-OFDM QPSK	1	1	22.92	22.29	21.37
Channel				648334	650000	651666
Frequency (MHz)				3725.01	3750	3774.99
50	DFT-s-OFDM QPSK	1	1	23.07	22.17	21.18
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	DFT-s-OFDM QPSK	1	1	23.47	22.31	21.46
Channel				647668	650000	652332
Frequency (MHz)				3715.02	3750	3784.98
30	DFT-s-OFDM QPSK	1	1	23.34	21.95	21.37
Channel				647334	650000	652666
Frequency (MHz)				3710.01	3750	3789.99
20	DFT-s-OFDM QPSK	1	1	23.32	21.66	21.58



B7_n78(3700-3800MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	650000	/
Frequency (MHz)				/	3750	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.71	/
100		1	136	/	23.50	/
100		1	271	/	22.76	/
100		135	1	/	23.40	/
100		135	67	/	23.55	/
100		135	136	/	22.50	/
100		270	0	/	23.07	/
100	DFT-s-OFDM QPSK	1	1	/	23.64	/
100		1	136	/	23.45	/
100		1	271	/	22.71	/
100		135	1	/	22.93	/
100		135	67	/	23.54	/
100		135	136	/	23.20	/
100		270	0	/	22.54	/
100	DFT-s-OFDM 16QAM	1	1	/	22.81	/
100	DFT-s-OFDM 64QAM	1	1	/	21.27	/
100	DFT-s-OFDM 256QAM	1	1	/	19.12	/
100	CP-OFDM QPSK	1	1	/	22.22	/
100	CP-OFDM 16QAM	1	1	/	21.86	/
100	CP-OFDM 64QAM	1	1	/	20.34	/
100	CP-OFDM 256QAM	1	1	/	17.14	/
Channel				649668	650000	650332
Frequency (MHz)				3745.02	3750	3754.98
90	DFT-s-OFDM QPSK	1	1	23.66	23.64	23.81
Channel				649334	650000	650666
Frequency (MHz)				3740.01	3750	3759.99
80	DFT-s-OFDM QPSK	1	1	23.74	23.85	23.88
Channel				649000	650000	651000
Frequency (MHz)				3735	3750	3765
70	DFT-s-OFDM QPSK	1	1	23.71	23.91	23.91
Channel				648668	650000	651332
Frequency (MHz)				3730.02	3750	3769.98
60	DFT-s-OFDM QPSK	1	1	23.76	23.96	23.60
Channel				648334	650000	651666
Frequency (MHz)				3725.01	3750	3774.99
50	DFT-s-OFDM QPSK	1	1	23.92	24.06	23.50
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	DFT-s-OFDM QPSK	1	1	23.72	23.87	23.24
Channel				647668	650000	652332



Frequency (MHz)				3715.02	3750	3784.98
30	DFT-s-OFDM QPSK	1	1	24.15	23.69	22.89
Channel				647334	650000	652666
Frequency (MHz)				3710.01	3750	3789.99
20	DFT-s-OFDM QPSK	1	1	24.10	23.88	23.06

B66_n78(3700-3800MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	650000	/
Frequency (MHz)				/	3750	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	23.69	/
100		1	136	/	23.42	/
100		1	271	/	22.68	/
100		135	1	/	23.35	/
100		135	67	/	23.54	/
100		135	136	/	22.46	/
100		270	0	/	23.05	/
100		1	1	/	23.64	/
100	DFT-s-OFDM QPSK	1	136	/	23.41	/
100		1	271	/	22.69	/
100		135	1	/	22.93	/
100		135	67	/	23.51	/
100		135	136	/	21.91	/
100		270	0	/	22.50	/
100	DFT-s-OFDM 16QAM	1	1	/	22.75	/
100	DFT-s-OFDM 64QAM	1	1	/	21.28	/
100	DFT-s-OFDM 256QAM	1	1	/	19.04	/
100	CP-OFDM QPSK	1	1	/	22.20	/
100	CP-OFDM 16QAM	1	1	/	21.88	/
100	CP-OFDM 64QAM	1	1	/	20.32	/
100	CP-OFDM 256QAM	1	1	/	17.09	/
Channel				649668	650000	650332
Frequency (MHz)				3745.02	3750	3754.98
90	DFT-s-OFDM QPSK	1	1	23.62	23.67	23.81
Channel				649334	650000	650666
Frequency (MHz)				3740.01	3750	3759.99
80	DFT-s-OFDM QPSK	1	1	23.69	23.84	23.89
Channel				649000	650000	651000
Frequency (MHz)				3735	3750	3765
70	DFT-s-OFDM QPSK	1	1	23.70	23.92	23.92
Channel				648668	650000	651332
Frequency (MHz)				3730.02	3750	3769.98
60	DFT-s-OFDM QPSK	1	1	23.75	23.92	23.55
Channel				648334	650000	651666



Frequency (MHz)				3725.01	3750	3774.99
50	DFT-s-OFDM QPSK	1	1	23.87	24.03	23.47
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	DFT-s-OFDM QPSK	1	1	24.23	24.31	23.66
Channel				647668	650000	652332
Frequency (MHz)				3715.02	3750	3784.98
30	DFT-s-OFDM QPSK	1	1	24.15	24.11	23.34
Channel				647334	650000	652666
Frequency (MHz)				3710.01	3750	3789.99
20	DFT-s-OFDM QPSK	1	1	24.10	23.84	23.04

B71_n78(3700-3800MHz) (PC3)						
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel
Channel				/	650000	/
Frequency (MHz)				/	3750	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	22.83	/
100		1	136	/	21.02	/
100		1	271	/	21.97	/
100		135	1	/	21.78	/
100		135	67	/	21.49	/
100		135	136	/	20.57	/
100		270	0	/	21.30	/
100	DFT-s-OFDM QPSK	1	1	/	22.84	/
100		1	136	/	21.22	/
100		1	271	/	21.71	/
100		135	1	/	21.49	/
100		135	67	/	21.25	/
100		135	136	/	20.52	/
100		270	0	/	20.66	/
100	DFT-s-OFDM 16QAM	1	1	/	21.88	/
100	DFT-s-OFDM 64QAM	1	1	/	20.77	/
100	DFT-s-OFDM 256QAM	1	1	/	18.27	/
100	CP-OFDM QPSK	1	1	/	21.37	/
100	CP-OFDM 16QAM	1	1	/	21.28	/
100	CP-OFDM 64QAM	1	1	/	19.52	/
100	CP-OFDM 256QAM	1	1	/	16.32	/
Channel				649668	650000	650332
Frequency (MHz)				3745.02	3750	3754.98
90	DFT-s-OFDM QPSK	1	1	22.80	22.68	22.55
Channel				649334	650000	650666
Frequency (MHz)				3740.01	3750	3759.99
80	DFT-s-OFDM QPSK	1	1	22.85	22.55	22.23
Channel				649000	650000	651000



Frequency (MHz)				3735	3750	3765
70	DFT-s-OFDM QPSK	1	1	22.88	22.44	21.86
Channel				648668	650000	651332
Frequency (MHz)				3730.02	3750	3769.98
60	DFT-s-OFDM QPSK	1	1	22.91	22.32	21.50
Channel				648334	650000	651666
Frequency (MHz)				3725.01	3750	3774.99
50	DFT-s-OFDM QPSK	1	1	23.10	22.21	21.17
Channel				648000	650000	652000
Frequency (MHz)				3720	3750	3780
40	DFT-s-OFDM QPSK	1	1	23.44	22.32	21.46
Channel				647668	650000	652332
Frequency (MHz)				3715.02	3750	3784.98
30	DFT-s-OFDM QPSK	1	1	23.35	21.94	21.38
Channel				647334	650000	652666
Frequency (MHz)				3710.01	3750	3789.99
20	DFT-s-OFDM QPSK	1	1	23.32	21.68	21.47



Effective Radiated Power and Effective Isotropic Radiated Power:

n2									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				372000	372000	376000	376000	380000	380000
Frequency (MHz)				1860	1860	1880	1880	1900	1900
20	DFT-s-OFDM PI/2 BPSK	1	1	25.91	0.390	25.75	0.376	25.46	0.352
20		1	53	25.90	0.389	25.60	0.363	25.52	0.356
20		1	104	25.81	0.381	25.51	0.356	25.45	0.351
20		50	1	25.46	0.352	25.28	0.337	25.10	0.324
20		50	25	25.96	0.394	25.72	0.373	25.58	0.361
20		50	50	25.42	0.348	25.15	0.327	25.02	0.318
20		100	0	25.48	0.353	25.22	0.333	25.07	0.321
20	DFT-s-OFDM QPSK	1	1	25.87	0.386	25.75	0.376	25.49	0.354
20		1	53	25.90	0.389	25.74	0.375	25.57	0.361
20		1	104	25.78	0.378	25.52	0.356	25.42	0.348
20		50	1	24.97	0.314	24.73	0.297	24.56	0.286
20		50	25	25.94	0.393	25.73	0.374	25.52	0.356
20		50	50	24.94	0.312	24.68	0.294	24.50	0.282
20		100	0	24.98	0.315	24.75	0.299	24.54	0.284
20	DFT-s-OFDM 16QAM	1	1	24.83	0.304	24.73	0.297	24.44	0.278
20	DFT-s-OFDM 64QAM	1	1	23.39	0.218	23.24	0.211	23.00	0.200
20	DFT-s-OFDM 256QAM	1	1	21.18	0.131	21.05	0.127	20.78	0.120
20	CP-OFDM QPSK	1	1	24.37	0.274	24.20	0.263	23.97	0.249
20	CP-OFDM 16QAM	1	1	23.85	0.243	23.70	0.234	23.45	0.221
20	CP-OFDM 64QAM	1	1	22.18	0.165	22.03	0.160	21.83	0.152
20	CP-OFDM 256QAM	1	1	19.18	0.083	19.02	0.080	18.79	0.076
Channel				371500	371500	376000	376000	380500	380500
Frequency (MHz)				1857.5	1857.5	1880	1880	1902.5	1902.5
15	DFT-s-OFDM QPSK	1	1	25.91	0.390	25.76	0.377	25.55	0.359
Channel				371000	371000	376000	376000	381000	381000
Frequency (MHz)				1855	1855	1880	1880	1905	1905
10	DFT-s-OFDM QPSK	1	1	25.85	0.385	25.76	0.377	25.43	0.349
Channel				370500	370500	376000	376000	381500	381500
Frequency (MHz)				1852.5	1852.5	1880	1880	1907.5	1907.5



5	DFT-s-OFDM QPSK	1	1	25.90	0.389	25.74	0.375	25.36	0.344
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n5									
BW [M Hz]	Modulation	R B Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				166800	166800	167300	167300	167800	167800
Frequency (MHz)				834	834	836.5	836.5	839	839
20	DFT-s-OFDM PI/2 BPSK	1	1	21.48	0.141	21.45	0.140	21.43	0.139
20		1	53	21.45	0.140	21.42	0.139	21.41	0.138
20		1	104	21.31	0.135	21.28	0.134	21.26	0.134
20		50	1	21.29	0.135	21.28	0.134	21.28	0.134
20		50	25	21.50	0.141	21.53	0.142	21.52	0.142
20		50	50	21.19	0.132	21.15	0.130	21.15	0.130
20		100	0	21.24	0.133	21.26	0.134	21.25	0.133
20	DFT-s-OFDM QPSK	1	1	21.42	0.139	21.50	0.141	21.47	0.140
20		1	53	21.45	0.140	21.48	0.141	21.51	0.142
20		1	104	21.34	0.136	21.32	0.136	21.41	0.138
20		50	1	20.85	0.122	20.80	0.120	20.76	0.119
20		50	25	21.51	0.142	21.50	0.141	21.47	0.140
20		50	50	20.68	0.117	20.68	0.117	20.66	0.116
20		100	0	20.74	0.119	20.77	0.119	20.72	0.118
20	DFT-s-OFDM 16QAM	1	1	20.75	0.119	20.71	0.118	20.80	0.120
20	DFT-s-OFDM 64QAM	1	1	19.14	0.082	19.12	0.082	19.25	0.084
20	DFT-s-OFDM 256QAM	1	1	16.97	0.050	16.95	0.050	17.09	0.051
20	CP-OFDM QPSK	1	1	20.17	0.104	20.19	0.104	20.31	0.107
20	CP-OFDM 16QAM	1	1	19.69	0.093	19.64	0.092	19.74	0.094
20	CP-OFDM 64QAM	1	1	17.81	0.060	17.78	0.060	17.89	0.062
20	CP-OFDM 256QAM	1	1	14.99	0.032	14.99	0.032	15.06	0.032
Channel				166300	166300	167300	167300	168300	168300
Frequency (MHz)				831.50	831.50	836.50	836.50	841.50	841.50
15	DFT-s-OFDM QPSK	1	1	21.46	0.140	21.40	0.138	21.47	0.140
Channel				165800	165800	167300	167300	168800	168800
Frequency (MHz)				829.00	829.00	836.50	836.50	844.00	844.00
10	DFT-s-OFDM QPSK	1	1	21.27	0.134	21.28	0.134	21.28	0.134



Channel				165300	165300	167300	167300	169300	169300
Frequency (MHz)				826.50	826.50	836.50	836.50	846.50	846.50
5	DFT-s-OFDM QPSK	1	1	21.31	0.135	21.31	0.135	21.33	0.136

n7									
BW [M Hz]	Modulation	R B Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				502000	502000	507000	507000	512000	512000
Frequency (MHz)				2510	2510	2535	2535	2560	2560
20	DFT-s-OFDM PI/2 BPSK	1	1	22.83	0.192	22.56	0.180	22.92	0.196
20		1	53	22.82	0.191	22.73	0.187	23.03	0.201
20		1	104	22.65	0.184	22.97	0.198	23.32	0.215
20		50	1	22.35	0.172	22.37	0.173	22.68	0.185
20		50	25	22.93	0.196	22.91	0.195	23.30	0.214
20		50	50	22.30	0.170	22.40	0.174	22.90	0.195
20		100	0	22.41	0.174	22.40	0.174	22.75	0.188
20	DFT-s-OFDM QPSK	1	1	22.83	0.192	23.07	0.203	23.26	0.212
20		1	53	22.96	0.198	23.11	0.205	23.54	0.226
20		1	104	23.06	0.202	23.18	0.208	23.59	0.229
20		50	1	21.88	0.154	21.86	0.153	22.17	0.165
20		50	25	22.96	0.198	22.95	0.197	23.32	0.215
20		50	50	21.85	0.153	21.94	0.156	22.44	0.175
20		100	0	21.94	0.156	21.91	0.155	22.33	0.171
20	DFT-s-OFDM 16QAM	1	1	21.75	0.150	21.47	0.140	21.90	0.155
20	DFT-s-OFDM 64QAM	1	1	20.30	0.107	20.21	0.105	20.45	0.111
20	DFT-s-OFDM 256QAM	1	1	18.14	0.065	18.05	0.064	18.31	0.068
20	CP-OFDM QPSK	1	1	21.38	0.137	21.30	0.135	21.50	0.141
20	CP-OFDM 16QAM	1	1	20.83	0.121	20.67	0.117	20.93	0.124
20	CP-OFDM 64QAM	1	1	19.25	0.084	19.32	0.086	19.36	0.086
20	CP-OFDM 256QAM	1	1	16.13	0.041	15.99	0.040	16.27	0.042
Channel				501500	501500	507000	507000	512500	512500
Frequency (MHz)				2507.50	2507.50	2535.00	2535.00	2562.50	2562.50
15	DFT-s-OFDM QPSK	1	1	22.89	0.195	22.73	0.187	23.12	0.205
Channel				501000	501000	507000	507000	513000	513000
Frequency (MHz)				2505.00	2505.00	2535.00	2535.00	2565.00	2565.00



10	DFT-s-OFDM QPSK	1	1	22.68	0.185	22.59	0.182	23.03	0.201
Channel				500500	500500	507000	507000	513500	513500
Frequency (MHz)				2502.50	2502.50	2535.00	2535.00	2567.50	2567.50
5	DFT-s-OFDM QPSK	1	1	23.00	0.200	22.61	0.182	23.08	0.203

n12 (PC3)									
BW [M Hz]	Modulation	R B Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				141300	141300	141500	141500	141700	141700
Frequency (MHz)				706.5	706.5	707.5	707.5	708.5	708.5
15	DFT-s-OFDM PI/2 BPSK	1	1	20.11	0.103	20.15	0.104	20.15	0.104
15		1	39	20.15	0.104	20.18	0.104	20.15	0.104
15		1	77	20.11	0.103	20.09	0.102	20.04	0.101
15		36	1	19.72	0.094	19.72	0.094	19.71	0.094
15		36	18	20.24	0.106	20.21	0.105	20.19	0.104
15		36	37	19.65	0.092	19.67	0.093	19.65	0.092
15		75	0	19.71	0.094	19.76	0.095	19.76	0.095
15	DFT-s-OFDM QPSK	1	1	20.15	0.104	20.14	0.103	20.12	0.103
15		1	39	20.19	0.104	20.16	0.104	20.19	0.104
15		1	77	20.01	0.100	20.07	0.102	20.07	0.102
15		36	1	19.20	0.083	19.22	0.084	19.20	0.083
15		36	18	20.23	0.105	20.23	0.105	20.26	0.106
15		36	37	19.19	0.083	19.19	0.083	19.15	0.082
15		75	0	19.22	0.084	19.22	0.084	19.24	0.084
15	DFT-s-OFDM 16QAM	1	1	19.19	0.083	19.20	0.083	19.19	0.083
15	DFT-s-OFDM 64QAM	1	1	17.62	0.058	17.60	0.058	17.62	0.058
15	DFT-s-OFDM 256QAM	1	1	15.43	0.035	15.40	0.035	15.41	0.035
15	CP-OFDM QPSK	1	1	18.56	0.072	18.55	0.072	18.54	0.071
15	CP-OFDM 16QAM	1	1	18.11	0.065	18.10	0.065	18.09	0.064
15	CP-OFDM 64QAM	1	1	16.21	0.042	16.21	0.042	16.18	0.041
15	CP-OFDM 256QAM	1	1	13.16	0.021	13.16	0.021	13.12	0.021
Channel				140800	140800	141500	141500	142200	142200
Frequency (MHz)				704	704	707.5	707.5	711	711
10	DFT-s-OFDM QPSK	1	1	20.07	0.102	20.09	0.102	20.02	0.100
Channel				140300	140300	141500	141500	142700	142700
Frequency (MHz)				701.5	701.5	707.5	707.5	713.5	713.5



REPORT No.: SZ23100334W02

5	DFT-s-OFDM QPSK	1	1	20.09	0.102	19.99	0.100	19.94	0.099
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n13 (PC3)									
BW [M Hz]	Modulation	R B Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	156400	156400	/	/
Frequency (MHz)				/	/	782	782	/	/
10	DFT-s-OFDM PI/2 BPSK	1	1	/	/	20.25	0.106	/	/
10		1	26	/	/	20.13	0.103	/	/
10		1	50	/	/	20.32	0.108	/	/
10		25	1	/	/	19.75	0.094	/	/
10		25	12	/	/	20.30	0.107	/	/
10		25	25	/	/	19.88	0.097	/	/
10		50	0	/	/	19.84	0.096	/	/
10	DFT-s-OFDM QPSK	1	1	/	/	20.19	0.104	/	/
10		1	26	/	/	20.17	0.104	/	/
10		1	50	/	/	20.26	0.106	/	/
10		25	1	/	/	19.29	0.085	/	/
10		25	12	/	/	20.26	0.106	/	/
10		25	25	/	/	19.30	0.085	/	/
10		50	0	/	/	19.25	0.084	/	/
10	DFT-s-OFDM 16QAM	1	1	/	/	19.07	0.081	/	/
10	DFT-s-OFDM 64QAM	1	1	/	/	17.75	0.060	/	/
10	DFT-s-OFDM 256QAM	1	1	/	/	15.56	0.036	/	/
10	CP-OFDM QPSK	1	1	/	/	18.66	0.073	/	/
10	CP-OFDM 16QAM	1	1	/	/	18.13	0.065	/	/
10	CP-OFDM 64QAM	1	1	/	/	16.71	0.047	/	/
10	CP-OFDM 256QAM	1	1	/	/	13.37	0.022	/	/
Channel				155900	155900	156400	156400	156900	156900
Frequency (MHz)				779.5	779.5	782	782	784.5	784.5
5	DFT-s-OFDM QPSK	1	1	20.17	0.104	20.28	0.107	20.12	0.103



n14 (PC3)									
BW [M Hz]	Modulation	R B Si ze	RB Offs et	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	158600	158600	/	/
Frequency (MHz)				/	/	793	793	/	/
10	DFT-s-OFDM PI/2 BPSK	1	1	/	/	21.10	0.129	/	/
10		1	26	/	/	20.91	0.123	/	/
10		1	50	/	/	20.85	0.122	/	/
10		25	1	/	/	20.50	0.112	/	/
10		25	12	/	/	21.05	0.127	/	/
10		25	25	/	/	20.50	0.112	/	/
10		50	0	/	/	20.56	0.114	/	/
10	DFT-s-OFDM QPSK	1	1	/	/	21.08	0.128	/	/
10		1	26	/	/	20.93	0.124	/	/
10		1	50	/	/	20.86	0.122	/	/
10		25	1	/	/	20.03	0.101	/	/
10		25	12	/	/	20.97	0.125	/	/
10		25	25	/	/	19.95	0.099	/	/
10		50	0	/	/	19.98	0.100	/	/
10	DFT-s-OFDM 16QAM	1	1	/	/	20.12	0.103	/	/
10	DFT-s-OFDM 64QAM	1	1	/	/	18.56	0.072	/	/
10	DFT-s-OFDM 256QAM	1	1	/	/	16.20	0.042	/	/
10	CP-OFDM QPSK	1	1	/	/	19.51	0.089	/	/
10	CP-OFDM 16QAM	1	1	/	/	19.02	0.080	/	/
10	CP-OFDM 64QAM	1	1	/	/	17.15	0.052	/	/
10	CP-OFDM 256QAM	1	1	/	/	14.20	0.026	/	/
Channel				158100	158100	158600	158600	159100	159100
Frequency (MHz)				790.5	790.5	793	793	795.5	795.5
5	DFT-s-OFDM QPSK	1	1	21.10	0.129	21.03	0.127	20.96	0.125



n25									
BW [M Hz]	Modulation	R B Si ze	RB Off set	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				372000	372000	376500	376500	381000	381000
Frequency (MHz)				1860	1860	1882.5	1882.5	1905	1905
20	DFT-s-OFDM PI/2 BPSK	1	1	25.83	0.383	25.69	0.371	25.45	0.351
20		1	53	25.82	0.382	25.60	0.363	25.44	0.350
20		1	104	25.76	0.377	25.46	0.352	25.40	0.347
20		50	1	25.38	0.345	25.17	0.329	24.98	0.315
20		50	25	25.94	0.393	25.69	0.371	25.51	0.356
20		50	50	25.34	0.342	25.12	0.325	25.02	0.318
20		100	0	25.41	0.348	25.17	0.329	25.00	0.316
20	DFT-s-OFDM QPSK	1	1	25.95	0.394	25.63	0.366	25.41	0.348
20		1	53	25.93	0.392	25.54	0.358	25.44	0.350
20		1	104	25.75	0.376	25.56	0.360	25.46	0.352
20		50	1	24.93	0.311	24.74	0.298	24.54	0.284
20		50	25	25.91	0.390	25.71	0.372	25.54	0.358
20		50	50	24.87	0.307	24.61	0.289	24.57	0.286
20		100	0	24.94	0.312	24.73	0.297	24.56	0.286
20	DFT-s-OFDM 16QAM	1	1	24.80	0.302	24.64	0.291	24.43	0.277
20	DFT-s-OFDM 64QAM	1	1	23.35	0.216	23.16	0.207	22.97	0.198
20	DFT-s-OFDM 256QAM	1	1	21.17	0.131	21.04	0.127	20.76	0.119
20	CP-OFDM QPSK	1	1	24.31	0.270	24.16	0.261	23.90	0.245
20	CP-OFDM 16QAM	1	1	23.79	0.239	23.62	0.230	23.35	0.216
20	CP-OFDM 64QAM	1	1	22.15	0.164	21.96	0.157	21.72	0.149
20	CP-OFDM 256QAM	1	1	19.18	0.083	18.97	0.079	18.77	0.075
Channel				371500	371500	376500	376500	381500	381500
Frequency (MHz)				1857.5	1857.5	1882.5	1882.5	1907.5	1907.5
15	DFT-s-OFDM QPSK	1	1	26.01	0.399	25.69	0.371	25.40	0.347
Channel				371000	371000	376500	376500	382000	382000
Frequency (MHz)				1855	1855	1882.5	1882.5	1910	1910
10	DFT-s-OFDM QPSK	1	1	25.60	0.363	25.47	0.352	25.17	0.329
Channel				370500	370500	376500	376500	382500	382500
Frequency (MHz)				1852.5	1852.5	1882.5	1882.5	1912.5	1912.5
5	DFT-s-OFDM QPSK	1	1	25.65	0.367	25.61	0.364	25.17	0.329



n26(814-824MHz) (PC3)									
BW [M Hz]	Modulation	R B Si ze	RB Offs et	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	163800	163800		
Frequency (MHz)				/	/	819	819		
10	DFT-s-OFDM PI/2 BPSK	1	1	/	/	21.51	0.142	/	/
10		1	26	/	/	21.49	0.141	/	/
10		1	50	/	/	21.39	0.138	/	/
10		25	1	/	/	21.29	0.135	/	/
10		25	12	/	/	21.52	0.142	/	/
10		25	25	/	/	21.24	0.133	/	/
10		50	0	/	/	21.29	0.135	/	/
10	DFT-s-OFDM QPSK	1	1	/	/	21.48	0.141	/	/
10		1	26	/	/	21.47	0.140	/	/
10		1	50	/	/	21.43	0.139	/	/
10		25	1	/	/	20.79	0.120	/	/
10		25	12	/	/	21.47	0.140	/	/
10		25	25	/	/	20.74	0.119	/	/
10		50	0	/	/	20.77	0.119	/	/
10	DFT-s-OFDM 16QAM	1	1	/	/	20.80	0.120	/	/
10	DFT-s-OFDM 64QAM	1	1	/	/	19.22	0.084	/	/
10	DFT-s-OFDM 256QAM	1	1	/	/	17.00	0.050	/	/
10	CP-OFDM QPSK	1	1	/	/	20.16	0.104	/	/
10	CP-OFDM 16QAM	1	1	/	/	19.69	0.093	/	/
10	CP-OFDM 64QAM	1	1	/	/	17.82	0.061	/	/
10	CP-OFDM 256QAM	1	1	/	/	15.01	0.032	/	/
Channel				163300	163300	163800	163800	164300	164300
Frequency (MHz)				816.5	816.5	819	819	821.5	821.5
5	DFT-s-OFDM QPSK	1	1	21.47	0.140	21.46	0.140	21.44	0.139



n26(824-849MHz) (PC3)									
BW [M Hz]	Modulation	R B Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				166800	166800	167300	167300	167800	167800
Frequency (MHz)				834	834	836.5	836.5	839	839
20	DFT-s-OFDM PI/2 BPSK	1	1	21.60	0.145	21.58	0.144	21.56	0.143
20		1	53	21.61	0.145	21.57	0.144	21.56	0.143
20		1	104	21.47	0.140	21.54	0.143	21.47	0.140
20		50	1	21.40	0.138	21.44	0.139	21.43	0.139
20		50	25	21.64	0.146	21.62	0.145	21.59	0.144
20		50	50	21.40	0.138	21.33	0.136	21.39	0.138
20		100	0	21.40	0.138	21.42	0.139	21.39	0.138
20	DFT-s-OFDM QPSK	1	1	21.61	0.145	21.58	0.144	21.57	0.144
20		1	53	21.63	0.146	21.57	0.144	21.57	0.144
20		1	104	21.44	0.139	21.53	0.142	21.45	0.140
20		50	1	20.97	0.125	20.94	0.124	20.93	0.124
20		50	25	21.66	0.147	21.64	0.146	21.56	0.143
20		50	50	20.86	0.122	20.83	0.121	20.91	0.123
20		100	0	20.92	0.124	20.92	0.124	20.89	0.123
20	DFT-s-OFDM 16QAM	1	1	20.86	0.122	20.88	0.122	20.97	0.125
20	DFT-s-OFDM 64QAM	1	1	19.30	0.085	19.28	0.085	19.39	0.087
20	DFT-s-OFDM 256QAM	1	1	17.13	0.052	17.10	0.051	17.20	0.052
20	CP-OFDM QPSK	1	1	20.29	0.107	20.27	0.106	20.42	0.110
20	CP-OFDM 16QAM	1	1	19.80	0.095	19.80	0.095	19.87	0.097
20	CP-OFDM 64QAM	1	1	17.97	0.063	17.94	0.062	18.02	0.063
20	CP-OFDM 256QAM	1	1	15.15	0.033	15.14	0.033	15.20	0.033
Channel				166300	166300	167300	167300	168300	168300
Frequency (MHz)				831.5	831.5	836.5	836.5	841.5	841.5
15	DFT-s-OFDM QPSK	1	1	21.60	0.145	21.64	0.146	21.57	0.144
Channel				165800	165800	167300	167300	168800	168800
Frequency (MHz)				829	829	836.5	836.5	844	844
10	DFT-s-OFDM QPSK	1	1	21.41	0.138	21.44	0.139	21.44	0.139
Channel				165300	165300	167300	167300	169300	169300
Frequency (MHz)				826.5	826.5	836.5	836.5	846.5	846.5
5	DFT-s-OFDM QPSK	1	1	21.42	0.139	21.42	0.139	21.35	0.136



n30 (PC3)									
BW [M Hz]	Modulation	R B Si ze	RB Offs et	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	462000	462000	/	/
Frequency (MHz)				/	/	2310	2310	/	/
10	DFT-s-OFDM PI/2 BPSK	1	1	/	/	21.26	0.134	/	/
10		1	26	/	/	21.30	0.135	/	/
10		1	50	/	/	21.16	0.131	/	/
10		25	1	/	/	20.82	0.121	/	/
10		25	12	/	/	21.26	0.134	/	/
10		25	25	/	/	20.72	0.118	/	/
10		50	0	/	/	20.79	0.120	/	/
10	DFT-s-OFDM QPSK	1	1	/	/	21.46	0.140	/	/
10		1	26	/	/	21.40	0.138	/	/
10		1	50	/	/	21.32	0.136	/	/
10		25	1	/	/	20.29	0.107	/	/
10		25	12	/	/	21.27	0.134	/	/
10		25	25	/	/	20.24	0.106	/	/
10		50	0	/	/	20.30	0.107	/	/
10	DFT-s-OFDM 16QAM	1	1	/	/	20.43	0.110	/	/
10	DFT-s-OFDM 64QAM	1	1	/	/	19.04	0.080	/	/
10	DFT-s-OFDM 256QAM	1	1	/	/	16.50	0.045	/	/
10	CP-OFDM QPSK	1	1	/	/	19.93	0.098	/	/
10	CP-OFDM 16QAM	1	1	/	/	19.41	0.087	/	/
10	CP-OFDM 64QAM	1	1	/	/	18.00	0.063	/	/
10	CP-OFDM 256QAM	1	1	/	/	14.74	0.030	/	/
Channel				461500	461500	462000	462000	462500	462500
Frequency (MHz)				2307.5	2307.5	2310	2310	2312.5	2312.5
5	DFT-s-OFDM QPSK	1	1	21.11	0.129	21.37	0.137	20.36	0.109



n38									
BW [M Hz]	Modulation	RB Size	RB Off set	Low Channel /dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				518000	518000	519000	519000	520000	520000
Frequency (MHz)				2590	2590	2595	2595	2600	2600
40	DFT-s-OFDM PI/2 BPSK	1	1	23.81	0.240	23.89	0.245	24.12	0.258
40		1	53	24.14	0.259	24.22	0.264	24.45	0.279
40		1	104	24.54	0.284	24.63	0.290	24.67	0.293
40		50	1	23.60	0.229	23.62	0.230	23.78	0.239
40		50	25	24.20	0.263	24.29	0.269	24.49	0.281
40		50	50	23.89	0.245	23.91	0.246	24.06	0.255
40		100	0	23.73	0.236	23.79	0.239	23.91	0.246
40	DFT-s-OFDM QPSK	1	1	23.82	0.241	23.87	0.244	24.09	0.256
40		1	53	24.11	0.258	24.21	0.264	24.47	0.280
40		1	104	24.49	0.281	24.60	0.288	24.73	0.297
40		50	1	23.04	0.201	23.09	0.204	23.27	0.212
40		50	25	24.17	0.261	24.26	0.267	24.45	0.279
40		50	50	23.37	0.217	23.46	0.222	23.57	0.228
40		100	0	23.21	0.209	23.29	0.213	23.39	0.218
40	DFT-s-OFDM 16QAM	1	1	22.84	0.192	22.94	0.197	23.13	0.206
40	DFT-s-OFDM 64QAM	1	1	21.30	0.135	21.41	0.138	21.64	0.146
40	DFT-s-OFDM 256QAM	1	1	19.35	0.086	19.27	0.085	19.48	0.089
40	CP-OFDM QPSK	1	1	22.33	0.171	22.30	0.170	22.61	0.182
40	CP-OFDM 16QAM	1	1	21.87	0.154	21.88	0.154	22.14	0.164
40	CP-OFDM 64QAM	1	1	20.40	0.110	20.51	0.112	20.78	0.120
40	CP-OFDM 256QAM	1	1	17.40	0.055	17.30	0.054	17.58	0.057
Channel				517000	517000	519000	519000	521000	521000
Frequency (MHz)				2585	2585	2595	2595	2605	2605
30	DFT-s-OFDM QPSK	1	1	23.65	0.232	24.00	0.251	24.25	0.266
Channel				516000	516000	519000	519000	522000	522000
Frequency (MHz)				2580	2580	2595	2595	2610	2610
20	DFT-s-OFDM QPSK	1	1	23.76	0.238	23.99	0.251	24.31	0.270



n41(PC2)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				509202	509202	518598	518598	528000	528000
Frequency (MHz)				2546.01	2546.01	2592.99	2592.99	2640	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	27.62	0.578	26.36	0.433	27.09	0.512
100		1	136	27.33	0.541	27.15	0.519	27.08	0.511
100		1	271	27.82	0.605	27.08	0.511	26.78	0.476
100		135	1	27.03	0.505	26.61	0.458	26.71	0.469
100		135	67	27.46	0.557	27.22	0.527	27.14	0.518
100		135	136	27.03	0.505	26.72	0.470	26.50	0.447
100		270	0	27.02	0.504	26.65	0.462	26.61	0.458
100	DFT-s-OFDM QPSK	1	1	27.76	0.597	26.17	0.414	27.17	0.521
100		1	136	27.46	0.557	27.11	0.514	27.12	0.515
100		1	271	27.83	0.607	26.89	0.489	26.76	0.474
100		135	1	26.52	0.449	26.09	0.406	26.21	0.418
100		135	67	27.46	0.557	27.22	0.527	27.18	0.522
100		135	136	26.56	0.453	26.20	0.417	25.97	0.395
100		270	0	26.53	0.450	26.12	0.409	26.10	0.407
100	DFT-s-OFDM 16QAM	1	1	26.70	0.468	25.77	0.378	26.18	0.415
100	DFT-s-OFDM 64QAM	1	1	25.24	0.334	24.59	0.288	24.61	0.289
100	DFT-s-OFDM 256QAM	1	1	23.11	0.205	22.38	0.173	22.42	0.175
100	CP-OFDM QPSK	1	1	26.09	0.406	25.42	0.348	25.61	0.364
100	CP-OFDM 16QAM	1	1	25.57	0.361	24.79	0.301	24.93	0.311
100	CP-OFDM 64QAM	1	1	24.39	0.275	23.67	0.233	23.70	0.234
100	CP-OFDM 256QAM	1	1	21.03	0.127	20.44	0.111	20.45	0.111
Channel				508200	508200	518598	518598	528996	528996
Frequency (MHz)				2541	2541	2592.99	2592.99	2644.98	2644.98
90	DFT-s-OFDM QPSK	1	1	27.54	0.568	26.31	0.428	27.28	0.535
Channel				507204	507204	518598	518598	529998	529998
Frequency (MHz)				2536.02	2536.02	2592.99	2592.99	2649.99	2649.99
80	DFT-s-OFDM QPSK	1	1	27.58	0.573	26.32	0.429	27.26	0.532
Channel				506202	506202	518598	518598	531000	531000



Frequency (MHz)				2531.01	2531.01	2592.99	2592.99	2655	2655
70	DFT-s-OFDM QPSK	1	1	27.63	0.579	26.50	0.447	27.05	0.507
Channel				505200	505200	518598	518598	531996	531996
Frequency (MHz)				2526	2526	2592.99	2592.99	2659.98	2659.98
60	DFT-s-OFDM QPSK	1	1	27.79	0.601	26.75	0.473	27.43	0.553
Channel				504204	504204	518598	518598	532998	532998
Frequency (MHz)				2521.02	2521.02	2592.99	2592.99	2664.99	2664.99
50	DFT-s-OFDM QPSK	1	1	27.92	0.619	27.18	0.522	27.48	0.560
Channel				503202	503202	518598	518598	534000	534000
Frequency (MHz)				2516.01	2516.01	2592.99	2592.99	2670	2670
40	DFT-s-OFDM QPSK	1	1	28.02	0.634	27.38	0.547	27.52	0.565
Channel				502200	502200	518598	518598	534996	534996
Frequency (MHz)				2511	2511	2592.99	2592.99	2674.98	2674.98
30	DFT-s-OFDM QPSK	1	1	28.05	0.638	27.37	0.546	27.50	0.562
Channel				501204	501204	518598	518598	535998	535998
Frequency (MHz)				2506.02	2506.02	2592.99	2592.99	2679.99	2679.99
20	DFT-s-OFDM QPSK	1	1	28.04	0.637	27.47	0.558	27.28	0.535

n41(PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel /dBm	Middle Channel /Watt	High Channel /dBm	High Channel /Watt
Channel				509202	509202	518598	518598	528000	528000
Frequency (MHz)				2546.01	2546.01	2592.99	2592.99	2640	2640
100	DFT-s-OFDM PI/2 BPSK	1	1	24.76	0.299	24.97	0.314	24.98	0.315
100		1	136	24.33	0.271	25.04	0.319	24.99	0.316
100		1	271	24.88	0.308	24.97	0.314	24.67	0.293
100		135	1	24.53	0.284	25.02	0.318	25.17	0.329
100		135	67	24.43	0.277	25.12	0.325	25.12	0.325
100		135	136	24.48	0.281	25.12	0.325	24.89	0.308
100		270	0	24.51	0.282	25.07	0.321	25.00	0.316
100	DFT-s-OFDM QPSK	1	1	24.74	0.298	24.93	0.311	25.00	0.316
100		1	136	24.31	0.270	25.08	0.322	24.91	0.310
100		1	271	24.82	0.303	24.98	0.315	24.71	0.296
100		135	1	24.48	0.281	25.02	0.318	25.11	0.324



100		135	67	24.37	0.274	25.12	0.325	25.09	0.323
100		135	136	24.50	0.282	25.11	0.324	24.85	0.305
100		270	0	24.52	0.283	25.03	0.318	25.02	0.318
100	DFT-s-OFDM 16QAM	1	1	24.80	0.302	25.03	0.318	25.07	0.321
100	DFT-s-OFDM 64QAM	1	1	24.77	0.300	24.42	0.277	24.54	0.284
100	DFT-s-OFDM 256QAM	1	1	23.11	0.205	22.37	0.173	22.36	0.172
100	CP-OFDM QPSK	1	1	24.66	0.292	25.01	0.317	25.01	0.317
100	CP-OFDM 16QAM	1	1	24.70	0.295	24.86	0.306	24.88	0.308
100	CP-OFDM 64QAM	1	1	24.34	0.272	23.77	0.238	23.66	0.232
100	CP-OFDM 256QAM	1	1	21.22	0.132	20.42	0.110	20.46	0.111
Channel				508200	508200	518598	518598	528996	528996
Frequency (MHz)				2541	2541	2592.99	2592.99	2644.98	2644.98
90	DFT-s-OFDM QPSK	1	1	24.58	0.287	24.82	0.303	25.07	0.321
Channel				507204	507204	518598	518598	529998	529998
Frequency (MHz)				2536.02	2536.02	2592.99	2592.99	2649.99	2649.99
80	DFT-s-OFDM QPSK	1	1	24.65	0.292	24.87	0.307	25.03	0.318
Channel				506202	506202	518598	518598	531000	531000
Frequency (MHz)				2531.01	2531.01	2592.99	2592.99	2655	2655
70	DFT-s-OFDM QPSK	1	1	24.78	0.301	24.91	0.310	25.02	0.318
Channel				505200	505200	518598	518598	531996	531996
Frequency (MHz)				2526	2526	2592.99	2592.99	2659.98	2659.98
60	DFT-s-OFDM QPSK	1	1	24.77	0.300	25.10	0.324	25.26	0.336
Channel				504204	504204	518598	518598	532998	532998
Frequency (MHz)				2521.02	2521.02	2592.99	2592.99	2664.99	2664.99
50	DFT-s-OFDM QPSK	1	1	24.99	0.316	25.20	0.331	25.39	0.346
Channel				503202	503202	518598	518598	534000	534000
Frequency (MHz)				2516.01	2516.01	2592.99	2592.99	2670	2670
40	DFT-s-OFDM QPSK	1	1	25.02	0.318	25.31	0.340	25.32	0.340
Channel				502200	502200	518598	518598	534996	534996
Frequency (MHz)				2511	2511	2592.99	2592.99	2674.98	2674.98
30	DFT-s-OFDM QPSK	1	1	25.01	0.317	25.28	0.337	25.39	0.346
Channel				501204	501204	518598	518598	535998	535998
Frequency (MHz)				2506.02	2506.02	2592.99	2592.99	2679.99	2679.99



REPORT No.: SZ23100334W02

20	DFT-s-OFDM QPSK	1	1	24.84	0.305	25.26	0.336	25.21	0.332
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n48 (PC3)									
BW [M Hz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel/ Watt	Middle Channel /dBm	Middle Channel/ Watt	High Channel /dBm	High Channel/ Watt
Channel				638000	638000	641666	641666	645332	645332
Frequency (MHz)				3570	3570	3624.99	3624.99	3679.98	3679.98
40	DFT-s-OFDM PI/2 BPSK	1	1	22.94	0.197	22.94	0.197	22.63	0.183
40		1	53	22.89	0.195	22.85	0.193	22.53	0.179
40		1	104	22.87	0.194	22.81	0.191	22.62	0.183
40		50	1	22.42	0.175	22.40	0.174	22.14	0.164
40		50	25	22.94	0.197	22.81	0.191	22.62	0.183
40		50	50	22.41	0.174	22.26	0.168	22.07	0.161
40		100	0	22.35	0.172	22.35	0.172	22.10	0.162
40	DFT-s-OFDM QPSK	1	1	22.91	0.195	22.95	0.197	22.63	0.183
40		1	53	22.88	0.194	22.77	0.189	22.55	0.180
40		1	104	22.86	0.193	22.81	0.191	22.62	0.183
40		50	1	21.89	0.155	21.90	0.155	21.66	0.147
40		50	25	22.89	0.195	22.81	0.191	22.61	0.182
40		50	50	21.89	0.155	21.72	0.149	21.60	0.145
40		100	0	21.89	0.155	21.80	0.151	21.63	0.146
40	DFT-s-OFDM 16QAM	1	1	21.81	0.152	21.88	0.154	21.59	0.144
40	DFT-s-OFDM 64QAM	1	1	20.14	0.103	20.22	0.105	19.91	0.098
40	DFT-s-OFDM 256QAM	1	1	18.30	0.068	18.30	0.068	18.04	0.064
40	CP-OFDM QPSK	1	1	21.51	0.142	21.46	0.140	21.15	0.130
40	CP-OFDM 16QAM	1	1	20.95	0.124	20.96	0.125	20.64	0.116
40	CP-OFDM 64QAM	1	1	19.48	0.089	19.36	0.086	19.04	0.080
40	CP-OFDM 256QAM	1	1	16.37	0.043	16.37	0.043	16.09	0.041
Channel				637668	637668	641666	641666	645666	645666
Frequency (MHz)				3565.02	3565.02	3624.99	3624.99	3684.99	3684.99
30	DFT-s-OFDM QPSK	1	1	22.67	0.185	22.73	0.187	22.75	0.188
Channel				637334	637334	641666	641666	646000	646000
Frequency (MHz)				3560.01	3560.01	3624.99	3624.99	3690	3690
20	DFT-s-OFDM QPSK	1	1	22.91	0.195	22.82	0.191	22.57	0.181
Channel				637000	637000	641666	641666	646332	646332
Frequency (MHz)				3555	3555	3624.99	3624.99	3694.98	3694.98



10	DFT-s-OFDM QPSK	1	1	22.27	0.169	22.36	0.172	22.29	0.169
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n66									
BW [M Hz]	Modulation	R B Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				345000	345000	349000	349000	353000	353000
Frequency (MHz)				1725	1725	1745	1745	1765	1765
30	DFT-s-OFDM PI/2 BPSK	1	1	24.67	0.293	24.70	0.295	24.70	0.295
30		1	80	24.59	0.288	24.69	0.294	24.75	0.299
30		1	158	24.65	0.292	24.67	0.293	24.69	0.294
30		80	1	24.26	0.267	24.24	0.265	24.28	0.268
30		80	40	24.71	0.296	24.74	0.298	24.76	0.299
30		80	80	24.25	0.266	24.33	0.271	24.33	0.271
30		160	0	24.19	0.262	24.24	0.265	24.33	0.271
30	DFT-s-OFDM QPSK	1	1	24.88	0.308	24.77	0.300	24.92	0.310
30		1	80	24.76	0.299	24.75	0.299	24.69	0.294
30		1	158	24.88	0.308	24.90	0.309	24.77	0.300
30		80	1	23.73	0.236	23.70	0.234	23.74	0.237
30		80	40	24.69	0.294	24.70	0.295	24.82	0.303
30		80	80	23.80	0.240	23.87	0.244	23.79	0.239
30		160	0	23.72	0.236	23.79	0.239	23.79	0.239
30	DFT-s-OFDM 16QAM	1	1	23.87	0.244	23.83	0.242	23.89	0.245
30	DFT-s-OFDM 64QAM	1	1	22.42	0.175	22.36	0.172	22.44	0.175
30	DFT-s-OFDM 256QAM	1	1	19.91	0.098	18.47	0.070	18.54	0.071
30	CP-OFDM QPSK	1	1	23.26	0.212	23.26	0.212	23.39	0.218
30	CP-OFDM 16QAM	1	1	22.76	0.189	22.76	0.189	22.79	0.190
30	CP-OFDM 64QAM	1	1	21.28	0.134	21.30	0.135	21.42	0.139
30	CP-OFDM 256QAM	1	1	17.93	0.062	18.27	0.067	18.30	0.068
Channel				344000	344000	349000	349000	354000	354000
Frequency (MHz)				1720	1720	1745	1745	1770	1770
20	DFT-s-OFDM QPSK	1	1	24.88	0.308	24.81	0.303	24.62	0.290
Channel				343500	343500	349000	349000	354500	354500
Frequency (MHz)				1717.5	1717.5	1745	1745	1772.5	1772.5
15	DFT-s-OFDM QPSK	1	1	24.82	0.303	24.73	0.297	24.61	0.289



Channel				343000	343000	349000	349000	355000	355000
Frequency (MHz)				1715	1715	1745	1745	1775	1775
10	DFT-s-OFDM QPSK	1	1	24.78	0.301	24.83	0.304	24.61	0.289
Channel				342500	342500	349000	349000	355500	355500
Frequency (MHz)				1712.5	1712.5	1745	1745	1777.5	1777.5
5	DFT-s-OFDM QPSK	1	1	24.99	0.316	24.56	0.286	24.76	0.299

n71									
BW [M Hz]	Modulation	R B Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				134600	134600	136100	136100	137600	137600
Frequency (MHz)				673	673	680.5	680.5	688	688
20	DFT-s-OFDM PI/2 BPSK	1	1	18.92	0.078	19.04	0.080	18.62	0.073
20		1	53	18.96	0.079	19.01	0.080	18.89	0.077
20		1	104	19.00	0.079	18.97	0.079	18.93	0.078
20		50	1	18.52	0.071	18.45	0.070	18.52	0.071
20		50	25	19.01	0.080	19.08	0.081	18.94	0.078
20		50	50	18.59	0.072	18.42	0.070	18.51	0.071
20		100	0	18.52	0.071	18.53	0.071	18.43	0.070
20	DFT-s-OFDM QPSK	1	1	18.97	0.079	19.09	0.081	19.10	0.081
20		1	53	19.04	0.080	19.00	0.079	18.96	0.079
20		1	104	18.97	0.079	18.90	0.078	18.95	0.079
20		50	1	17.94	0.062	18.03	0.064	17.98	0.063
20		50	25	19.09	0.081	19.05	0.080	18.95	0.079
20		50	50	18.05	0.064	18.01	0.063	17.94	0.062
20		100	0	18.00	0.063	18.04	0.064	18.02	0.063
20	DFT-s-OFDM 16QAM	1	1	18.01	0.063	18.07	0.064	18.07	0.064
20	DFT-s-OFDM 64QAM	1	1	16.63	0.046	16.83	0.048	16.80	0.048
20	DFT-s-OFDM 256QAM	1	1	13.39	0.022	13.47	0.022	13.63	0.023
20	CP-OFDM QPSK	1	1	17.47	0.056	17.55	0.057	17.57	0.057
20	CP-OFDM 16QAM	1	1	16.99	0.050	16.96	0.050	17.06	0.051
20	CP-OFDM 64QAM	1	1	15.50	0.035	15.63	0.037	15.63	0.037
20	CP-OFDM 256QAM	1	1	11.59	0.014	11.73	0.015	11.76	0.015
Channel				134100	134100	136100	136100	138100	138100
Frequency (MHz)				670.5	670.5	680.5	680.5	690.5	690.5



15	DFT-s-OFDM QPSK	1	1	18.97	0.079	19.05	0.080	19.03	0.080
Channel				133600	133600	136100	136100	138600	138600
Frequency (MHz)				668	668	680.5	680.5	693	693
10	DFT-s-OFDM QPSK	1	1	18.95	0.079	18.92	0.078	18.95	0.079
Channel				133100	133100	136100	136100	139100	139100
Frequency (MHz)				665.5	665.5	680.5	680.5	695.5	695.5
5	DFT-s-OFDM QPSK	1	1	18.98	0.079	18.77	0.075	18.94	0.078

n77(3450-3550MHz)(PC2)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	28.67	0.736	/	/
100		1	136	/	/	29.10	0.813	/	/
100		1	271	/	/	29.42	0.875	/	/
100		135	1	/	/	28.43	0.697	/	/
100		135	67	/	/	29.07	0.807	/	/
100		135	136	/	/	28.80	0.759	/	/
100		270	0	/	/	28.62	0.728	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	28.64	0.731	/	/
100		1	136	/	/	29.05	0.804	/	/
100		1	271	/	/	29.40	0.871	/	/
100		135	1	/	/	27.92	0.619	/	/
100		135	67	/	/	29.12	0.817	/	/
100		135	136	/	/	28.32	0.679	/	/
100		270	0	/	/	28.06	0.640	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	27.76	0.597	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	26.11	0.408	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	24.02	0.252	/	/
100	CP-OFDM QPSK	1	1	/	/	27.08	0.511	/	/
100	CP-OFDM 16QAM	1	1	/	/	26.66	0.463	/	/
100	CP-OFDM 64QAM	1	1	/	/	25.24	0.334	/	/
100	CP-OFDM 256QAM	1	1	/	/	22.09	0.162	/	/
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510	3510



REPORT No.: SZ23100334W02

80	DFT-s-OFDM QPSK	1	1	28.64	0.731	28.71	0.743	28.85	0.767
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480	3480	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	28.80	0.759	28.93	0.782	29.22	0.836
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	29.17	0.826	29.31	0.853	29.69	0.931
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465	3465	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	28.98	0.791	29.46	0.883	29.76	0.946
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540	3540
20	DFT-s-OFDM QPSK	1	1	28.97	0.789	29.21	0.834	29.62	0.916

n77(3450-3550MHz)(PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel/dBm	Low Channel/Watt	Middle Channel/dBm	Middle Channel/Watt	High Channel/dBm	High Channel/Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	25.66	0.368	/	/
100		1	136	/	/	26.09	0.406	/	/
100		1	271	/	/	26.55	0.452	/	/
100		135	1	/	/	25.92	0.391	/	/
100		135	67	/	/	26.11	0.408	/	/
100		135	136	/	/	26.30	0.427	/	/
100		270	0	/	/	26.08	0.406	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	25.59	0.362	/	/
100		1	136	/	/	26.01	0.399	/	/
100		1	271	/	/	26.46	0.443	/	/
100		135	1	/	/	25.89	0.388	/	/
100		135	67	/	/	26.05	0.403	/	/
100		135	136	/	/	26.26	0.423	/	/
100		270	0	/	/	26.03	0.401	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	25.75	0.376	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	25.65	0.367	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	23.99	0.251	/	/
100	CP-OFDM QPSK	1	1	/	/	25.61	0.364	/	/



REPORT No.: SZ23100334W02

100	CP-OFDM 16QAM	1	1	/	/	25.66	0.368	/	/
100	CP-OFDM 64QAM	1	1	/	/	25.17	0.329	/	/
100	CP-OFDM 256QAM	1	1	/	/	22.05	0.160	/	/
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510	3510
80	DFT-s-OFDM QPSK	1	1	25.54	0.358	25.65	0.367	25.89	0.388
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480	3480	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	26.21	0.418	26.05	0.403	26.23	0.420
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	26.08	0.406	26.39	0.436	26.72	0.470
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465	3465	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	26.03	0.401	26.49	0.446	26.89	0.489
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540	3540
20	DFT-s-OFDM QPSK	1	1	25.94	0.393	26.34	0.431	26.63	0.460

n77(3700-3980MHz)(PC2)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel /dBm	Low Channel /Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				650000	650000	656000	656000	662000	662000
Frequency (MHz)				3750	3750	3840	3840	3930	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	29.11	0.815	29.10	0.813	29.24	0.839
100		1	136	29.33	0.857	29.27	0.845	29.43	0.877
100		1	271	29.23	0.838	29.20	0.832	29.42	0.875
100		135	1	28.78	0.755	28.80	0.759	28.98	0.791
100		135	67	29.41	0.873	29.29	0.849	29.53	0.897
100		135	136	28.82	0.762	28.79	0.757	29.04	0.802
100		270	0	28.83	0.764	28.85	0.767	28.98	0.791
100	DFT-s-OFDM QPSK	1	1	29.10	0.813	29.14	0.820	29.32	0.855
100		1	136	29.33	0.857	29.28	0.847	29.58	0.908



100		1	271	29.23	0.838	29.34	0.859	29.44	0.879
100		135	1	28.27	0.671	28.21	0.662	28.45	0.700
100		135	67	29.38	0.867	29.30	0.851	29.54	0.899
100		135	136	28.30	0.676	28.31	0.678	28.50	0.708
100		270	0	28.32	0.679	28.32	0.679	28.49	0.706
100	DFT-s-OFDM 16QAM	1	1	28.00	0.631	28.01	0.632	28.15	0.653
100	DFT-s-OFDM 64QAM	1	1	26.44	0.441	26.45	0.442	26.37	0.434
100	DFT-s-OFDM 256QAM	1	1	24.48	0.281	24.50	0.282	24.57	0.286
100	CP-OFDM QPSK	1	1	27.56	0.570	27.66	0.583	27.73	0.593
100	CP-OFDM 16QAM	1	1	27.11	0.514	27.16	0.520	27.20	0.525
100	CP-OFDM 64QAM	1	1	25.52	0.356	25.60	0.363	25.76	0.377
100	CP-OFDM 256QAM	1	1	22.57	0.181	22.57	0.181	22.69	0.186
Channel				649334	649334	656000	656000	662666	662666
Frequency (MHz)				3740.01	3740.01	3840	3840	3939.99	3939.99
80	DFT-s-OFDM QPSK	1	1	29.04	0.802	29.11	0.815	29.36	0.863
Channel				648668	648668	656000	656000	663332	663332
Frequency (MHz)				3730.02	3730.02	3840	3840	3949.98	3949.98
60	DFT-s-OFDM QPSK	1	1	29.24	0.839	29.32	0.855	29.47	0.885
Channel				648000	648000	656000	656000	664000	664000
Frequency (MHz)				3720	3720	3840	3840	3960	3960
40	DFT-s-OFDM QPSK	1	1	29.77	0.948	29.70	0.933	29.57	0.906
Channel				647668	647668	656000	656000	664332	664332
Frequency (MHz)				3715.02	3715.02	3840	3840	3964.98	3964.98
30	DFT-s-OFDM QPSK	1	1	29.50	0.891	29.63	0.918	29.84	0.964
Channel				647334	647334	656000	656000	664666	664666
Frequency (MHz)				3710.01	3710.01	3840	3840	3969.99	3969.99
20	DFT-s-OFDM QPSK	1	1	29.48	0.887	29.62	0.916	29.78	0.951



n77(3700-3980MHz)(PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				650000	650000	656000	656000	662000	662000
Frequency (MHz)				3750	3750	3840	3840	3930	3930
100	DFT-s-OFDM PI/2 BPSK	1	1	26.21	0.418	26.15	0.412	26.22	0.419
100		1	136	26.37	0.434	26.37	0.434	26.52	0.449
100		1	271	26.18	0.415	26.26	0.423	26.51	0.448
100		135	1	26.34	0.431	26.29	0.426	26.45	0.442
100		135	67	26.41	0.438	26.28	0.425	26.52	0.449
100		135	136	26.30	0.427	26.33	0.430	26.60	0.457
100		270	0	26.32	0.429	26.34	0.431	26.50	0.447
100	DFT-s-OFDM QPSK	1	1	26.17	0.414	26.17	0.414	26.18	0.415
100		1	136	26.38	0.435	26.34	0.431	26.52	0.449
100		1	271	26.19	0.416	26.30	0.427	26.49	0.446
100		135	1	26.27	0.424	26.31	0.428	26.42	0.439
100		135	67	26.37	0.434	26.29	0.426	26.53	0.450
100		135	136	26.30	0.427	26.29	0.426	26.55	0.452
100		270	0	26.31	0.428	26.33	0.430	26.44	0.441
100	DFT-s-OFDM 16QAM	1	1	26.27	0.424	26.31	0.428	26.28	0.425
100	DFT-s-OFDM 64QAM	1	1	26.25	0.422	26.17	0.414	26.25	0.422
100	DFT-s-OFDM 256QAM	1	1	24.57	0.286	24.51	0.282	24.60	0.288
100	CP-OFDM QPSK	1	1	26.15	0.412	26.17	0.414	26.24	0.421
100	CP-OFDM 16QAM	1	1	26.19	0.416	26.17	0.414	26.20	0.417
100	CP-OFDM 64QAM	1	1	25.83	0.383	25.76	0.377	25.76	0.377
100	CP-OFDM 256QAM	1	1	22.67	0.185	22.59	0.182	22.66	0.185
Channel				649334	649334	656000	656000	662666	662666
Frequency (MHz)				3740.01	3740.01	3840	3840	3939.99	3939.99
80	DFT-s-OFDM QPSK	1	1	26.23	0.420	26.18	0.415	26.42	0.439
Channel				648668	648668	656000	656000	663332	663332
Frequency (MHz)				3730.02	3730.02	3840	3840	3949.98	3949.98
60	DFT-s-OFDM QPSK	1	1	26.34	0.431	26.33	0.430	26.66	0.463
Channel				648000	648000	656000	656000	664000	664000
Frequency (MHz)				3720	3720	3840	3840	3960	3960
40	DFT-s-OFDM QPSK	1	1	26.84	0.483	26.73	0.471	26.71	0.469
Channel				647668	647668	656000	656000	664332	664332
Frequency (MHz)				3715.02	3715.02	3840	3840	3964.98	3964.98



30	DFT-s-OFDM QPSK	1	1	26.56	0.453	26.67	0.465	26.80	0.479
Channel				647334	647334	656000	656000	664666	664666
Frequency (MHz)				3710.01	3710.01	3840	3840	3969.99	3969.99
20	DFT-s-OFDM QPSK	1	1	26.53	0.450	26.58	0.455	26.75	0.473

n78(3450-3550MHz)(PC2)									
BW [MHz]	Modulation	R B Size	RB Offset	Low Channel /dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	25.99	0.397	/	/
100		1	136	/	/	26.54	0.451	/	/
100		1	271	/	/	26.77	0.475	/	/
100		135	1	/	/	25.84	0.384	/	/
100		135	67	/	/	26.63	0.460	/	/
100		135	136	/	/	26.17	0.414	/	/
100		270	0	/	/	26.04	0.402	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	25.97	0.395	/	/
100		1	136	/	/	26.55	0.452	/	/
100		1	271	/	/	26.80	0.479	/	/
100		135	1	/	/	25.36	0.344	/	/
100		135	67	/	/	26.59	0.456	/	/
100		135	136	/	/	25.69	0.371	/	/
100		270	0	/	/	25.52	0.356	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	25.03	0.318	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	23.52	0.225	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	21.51	0.142	/	/
100	CP-OFDM QPSK	1	1	/	/	24.57	0.286	/	/
100	CP-OFDM 16QAM	1	1	/	/	24.00	0.251	/	/
100	CP-OFDM 64QAM	1	1	/	/	22.61	0.182	/	/
100	CP-OFDM 256QAM	1	1	/	/	19.50	0.089	/	/
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495	3495	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	25.99	0.397	26.12	0.409	26.11	0.408
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510	3510



80	DFT-s-OFDM QPSK	1	1	26.03	0.401	26.14	0.411	26.23	0.420
Channel				632334	632334	633334	633334	634332	634332
Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	26.08	0.406	26.26	0.423	26.51	0.448
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480	3480	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	26.23	0.420	26.46	0.443	26.61	0.458
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525	3525
50	DFT-s-OFDM QPSK	1	1	16.64	0.046	26.43	0.440	26.61	0.458
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	26.63	0.460	26.84	0.483	27.12	0.515
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465	3465	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	26.49	0.446	26.82	0.481	27.16	0.520
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540	3540
20	DFT-s-OFDM QPSK	1	1	26.53	0.450	26.77	0.475	27.02	0.504

n78(3450-3550MHz)(PC2)									
BW [MHz]	Modulation	R B Si ze	RB Offs et	Low Channel /dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	633334	633334	/	/
Frequency (MHz)				/	/	3500.01	3500.01	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	23.01	0.200	/	/
100		1	136	/	/	23.59	0.229	/	/
100		1	271	/	/	23.82	0.241	/	/
100		135	1	/	/	23.30	0.214	/	/
100		135	67	/	/	23.55	0.226	/	/
100		135	136	/	/	23.62	0.230	/	/
100		270	0	/	/	23.52	0.225	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	23.00	0.200	/	/
100		1	136	/	/	23.49	0.223	/	/
100		1	271	/	/	23.75	0.237	/	/
100		135	1	/	/	23.26	0.212	/	/
100		135	67	/	/	23.58	0.228	/	/
100		135	136	/	/	23.67	0.233	/	/



100		270	0	/	/	23.56	0.227	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	23.03	0.201	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	23.01	0.200	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	21.41	0.138	/	/
100	CP-OFDM QPSK	1	1	/	/	22.96	0.198	/	/
100	CP-OFDM 16QAM	1	1	/	/	23.03	0.201	/	/
100	CP-OFDM 64QAM	1	1	/	/	22.62	0.183	/	/
100	CP-OFDM 256QAM	1	1	/	/	19.45	0.088	/	/
Channel				633000	633000	633334	633334	633666	633666
Frequency (MHz)				3495	3495	3500.01	3500.01	3504.99	3504.99
90	DFT-s-OFDM QPSK	1	1	23.04	0.201	23.02	0.200	23.16	0.207
Channel				632668	632668	633334	633334	634000	634000
Frequency (MHz)				3490.02	3490.02	3500.01	3500.01	3510	3510
80	DFT-s-OFDM QPSK	1	1	23.10	0.204	23.13	0.206	23.35	0.216
Channel				632334	632334	633334	633334	634332	634332
Frequency (MHz)				3485.01	3485.01	3500.01	3500.01	3514.98	3514.98
70	DFT-s-OFDM QPSK	1	1	23.06	0.202	23.14	0.206	23.50	0.224
Channel				632000	632000	633334	633334	634666	634666
Frequency (MHz)				3480	3480	3500.01	3500.01	3519.99	3519.99
60	DFT-s-OFDM QPSK	1	1	23.22	0.210	23.40	0.219	23.63	0.231
Channel				631668	631668	633334	633334	635000	635000
Frequency (MHz)				3475.02	3475.02	3500.01	3500.01	3525	3525
50	DFT-s-OFDM QPSK	1	1	23.06	0.202	23.46	0.222	23.63	0.231
Channel				631334	631334	633334	633334	635332	635332
Frequency (MHz)				3470.01	3470.01	3500.01	3500.01	3529.98	3529.98
40	DFT-s-OFDM QPSK	1	1	23.50	0.224	23.80	0.240	24.06	0.255
Channel				631000	631000	633334	633334	635666	635666
Frequency (MHz)				3465	3465	3500.01	3500.01	3534.99	3534.99
30	DFT-s-OFDM QPSK	1	1	23.30	0.214	23.90	0.245	24.13	0.259
Channel				630668	630668	633334	633334	636000	636000
Frequency (MHz)				3460.02	3460.02	3500.01	3500.01	3540	3540
20	DFT-s-OFDM QPSK	1	1	23.48	0.223	23.79	0.239	24.07	0.255



n78(3700-3800MHz)(PC2)									
BW [MHz]	Modulation	RB Size	RB Off set	Low Channel /dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	650000	650000	/	/
Frequency (MHz)				/	/	3750	3750	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	26.43	0.440	/	/
100		1	136	/	/	26.65	0.462	/	/
100		1	271	/	/	26.53	0.450	/	/
100		135	1	/	/	26.11	0.408	/	/
100		135	67	/	/	26.67	0.465	/	/
100		135	136	/	/	26.15	0.412	/	/
100		270	0	/	/	26.15	0.412	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	26.27	0.424	/	/
100		1	136	/	/	26.68	0.466	/	/
100		1	271	/	/	26.54	0.451	/	/
100		135	1	/	/	25.57	0.361	/	/
100		135	67	/	/	26.68	0.466	/	/
100		135	136	/	/	25.65	0.367	/	/
100		270	0	/	/	25.64	0.366	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	25.24	0.334	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	23.62	0.230	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	21.74	0.149	/	/
100	CP-OFDM QPSK	1	1	/	/	24.99	0.316	/	/
100	CP-OFDM 16QAM	1	1	/	/	24.37	0.274	/	/
100	CP-OFDM 64QAM	1	1	/	/	22.80	0.191	/	/
100	CP-OFDM 256QAM	1	1	/	/	19.81	0.096	/	/
Channel				649668	649668	650000	650000	650332	650332
Frequency (MHz)				3745.02	3745.02	3750	3750	3754.98	3754.98
90	DFT-s-OFDM QPSK	1	1	26.34	0.431	26.41	0.438	26.55	0.452
Channel				649334	649334	650000	650000	650666	650666
Frequency (MHz)				3740.01	3740.01	3750	3750	3759.99	3759.99
80	DFT-s-OFDM QPSK	1	1	26.35	0.432	26.43	0.440	26.53	0.450
Channel				649000	649000	650000	650000	651000	651000
Frequency (MHz)				3735	3735	3750	3750	3765	3765
70	DFT-s-OFDM QPSK	1	1	26.41	0.438	26.57	0.454	26.46	0.443
Channel				648668	648668	650000	650000	651332	651332
Frequency (MHz)				3730.02	3730.02	3750	3750	3769.98	3769.98



60	DFT-s-OFDM QPSK	1	1	26.49	0.446	26.57	0.454	26.74	0.472
Channel				648334	648334	650000	650000	651666	651666
Frequency (MHz)				3725.01	3725.01	3750	3750	3774.99	3774.99
50	DFT-s-OFDM QPSK	1	1	26.50	0.447	26.60	0.457	26.88	0.488
Channel				648000	648000	650000	650000	652000	652000
Frequency (MHz)				3720	3720	3750	3750	3780	3780
40	DFT-s-OFDM QPSK	1	1	26.98	0.499	27.10	0.513	27.33	0.541
Channel				647668	647668	650000	650000	652332	652332
Frequency (MHz)				3715.02	3715.02	3750	3750	3784.98	3784.98
30	DFT-s-OFDM QPSK	1	1	26.77	0.475	26.98	0.499	27.22	0.527
Channel				647334	647334	650000	650000	652666	652666
Frequency (MHz)				3710.01	3710.01	3750	3750	3789.99	3789.99
20	DFT-s-OFDM QPSK	1	1	26.79	0.478	26.96	0.497	27.07	0.509

n78(3700-3800MHz)(PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel/ dBm	Low Channel/ Watt	Middle Channel/ dBm	Middle Channel/ Watt	High Channel/ dBm	High Channel/ Watt
Channel				/	/	650000	650000	/	/
Frequency (MHz)				/	/	3750	3750	/	/
100	DFT-s-OFDM PI/2 BPSK	1	1	/	/	23.41	0.219	/	/
100		1	136	/	/	23.65	0.232	/	/
100		1	271	/	/	23.52	0.225	/	/
100		135	1	/	/	23.60	0.229	/	/
100		135	67	/	/	23.65	0.232	/	/
100		135	136	/	/	23.59	0.229	/	/
100		270	0	/	/	23.62	0.230	/	/
100	DFT-s-OFDM QPSK	1	1	/	/	23.35	0.216	/	/
100		1	136	/	/	23.65	0.232	/	/
100		1	271	/	/	23.44	0.221	/	/
100		135	1	/	/	23.57	0.228	/	/
100		135	67	/	/	23.66	0.232	/	/
100		135	136	/	/	23.56	0.227	/	/
100		270	0	/	/	23.62	0.230	/	/
100	DFT-s-OFDM 16QAM	1	1	/	/	23.52	0.225	/	/
100	DFT-s-OFDM 64QAM	1	1	/	/	23.42	0.220	/	/
100	DFT-s-OFDM 256QAM	1	1	/	/	21.73	0.149	/	/
100	CP-OFDM QPSK	1	1	/	/	23.38	0.218	/	/



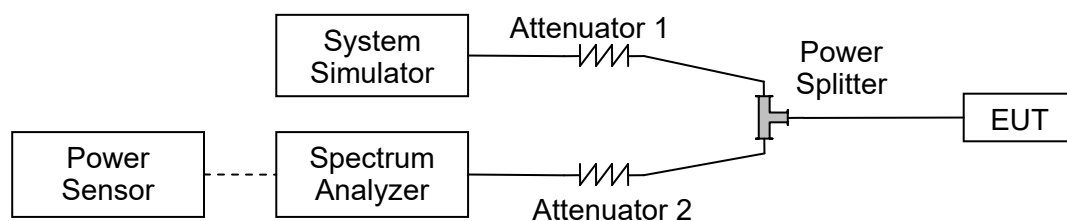
100	CP-OFDM 16QAM	1	1	/	/	23.38	0.218	/	/
100	CP-OFDM 64QAM	1	1	/	/	22.95	0.197	/	/
100	CP-OFDM 256QAM	1	1	/	/	19.88	0.097	/	/
Channel				649668	649668	650000	650000	650332	650332
Frequency (MHz)				3745.02	3745.02	3750	3750	3754.98	3754.98
90	DFT-s-OFDM QPSK	1	1	23.36	0.217	23.47	0.222	23.52	0.225
Channel				649334	649334	650000	650000	650666	650666
Frequency (MHz)				3740.01	3740.01	3750	3750	3759.99	3759.99
80	DFT-s-OFDM QPSK	1	1	23.42	0.220	23.41	0.219	23.56	0.227
Channel				649000	649000	650000	650000	651000	651000
Frequency (MHz)				3735	3735	3750	3750	3765	3765
70	DFT-s-OFDM QPSK	1	1	23.34	0.216	23.39	0.218	23.51	0.224
Channel				648668	648668	650000	650000	651332	651332
Frequency (MHz)				3730.02	3730.02	3750	3750	3769.98	3769.98
60	DFT-s-OFDM QPSK	1	1	23.57	0.228	23.60	0.229	23.72	0.236
Channel				648334	648334	650000	650000	651666	651666
Frequency (MHz)				3725.01	3725.01	3750	3750	3774.99	3774.99
50	DFT-s-OFDM QPSK	1	1	23.53	0.225	23.60	0.229	23.92	0.247
Channel				648000	648000	650000	650000	652000	652000
Frequency (MHz)				3720	3720	3750	3750	3780	3780
40	DFT-s-OFDM QPSK	1	1	23.98	0.250	24.12	0.258	24.35	0.272
Channel				647668	647668	650000	650000	652332	652332
Frequency (MHz)				3715.02	3715.02	3750	3750	3784.98	3784.98
30	DFT-s-OFDM QPSK	1	1	23.76	0.238	24.02	0.252	24.23	0.265
Channel				647334	647334	650000	650000	652666	652666
Frequency (MHz)				3710.01	3710.01	3750	3750	3789.99	3789.99
20	DFT-s-OFDM QPSK	1	1	23.77	0.238	23.81	0.240	24.06	0.255

2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3. Test procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

2.2.4. Test Result



Band	SCS (KHz)	BW (MHz)	ARFCN	Modulation	RB	OBW (MHz)	26dB BW (MHz)	Verdict
n2	15	5	370500	DFT-s-OFDM PI/2 BPSK	25/0	4.479	5.012	PASS
n2	15	5	370500	DFT-s-OFDM QPSK	25/0	4.496	5.161	PASS
n2	15	5	370500	DFT-s-OFDM 16QAM	25/0	4.486	4.970	PASS
n2	15	5	370500	DFT-s-OFDM 64QAM	25/0	4.475	5.006	PASS
n2	15	5	370500	DFT-s-OFDM 256QAM	25/0	4.484	5.061	PASS
n2	15	5	370500	CP-OFDM QPSK	25/0	4.475	5.178	PASS
n2	15	5	376000	DFT-s-OFDM PI/2 BPSK	25/0	4.486	5.085	PASS
n2	15	5	376000	DFT-s-OFDM QPSK	25/0	4.487	5.013	PASS
n2	15	5	376000	DFT-s-OFDM 16QAM	25/0	4.488	5.057	PASS
n2	15	5	376000	DFT-s-OFDM 64QAM	25/0	4.478	4.935	PASS
n2	15	5	376000	DFT-s-OFDM 256QAM	25/0	4.491	5.067	PASS
n2	15	5	376000	CP-OFDM QPSK	25/0	4.477	5.122	PASS
n2	15	5	381500	DFT-s-OFDM PI/2 BPSK	25/0	4.491	5.096	PASS
n2	15	5	381500	DFT-s-OFDM QPSK	25/0	4.487	5.033	PASS
n2	15	5	381500	DFT-s-OFDM 16QAM	25/0	4.496	5.013	PASS
n2	15	5	381500	DFT-s-OFDM 64QAM	25/0	4.481	4.999	PASS
n2	15	5	381500	DFT-s-OFDM 256QAM	25/0	4.480	4.988	PASS
n2	15	5	381500	CP-OFDM QPSK	25/0	4.479	5.145	PASS
n2	15	10	371000	DFT-s-OFDM PI/2 BPSK	50/0	8.918	9.609	PASS
n2	15	10	371000	DFT-s-OFDM QPSK	50/0	8.935	9.623	PASS
n2	15	10	371000	DFT-s-OFDM 16QAM	50/0	8.948	9.624	PASS
n2	15	10	371000	DFT-s-OFDM 64QAM	50/0	8.921	9.584	PASS
n2	15	10	371000	DFT-s-OFDM 256QAM	50/0	8.931	9.561	PASS



n2	15	10	371000	CP-OFDM QPSK	52/0	9.286	10.096	PASS
n2	15	10	376000	DFT-s-OFDM PI/2 BPSK	50/0	8.922	9.609	PASS
n2	15	10	376000	DFT-s-OFDM QPSK	50/0	8.930	9.642	PASS
n2	15	10	376000	DFT-s-OFDM 16QAM	50/0	8.951	9.659	PASS
n2	15	10	376000	DFT-s-OFDM 64QAM	50/0	8.928	9.666	PASS
n2	15	10	376000	DFT-s-OFDM 256QAM	50/0	8.929	9.614	PASS
n2	15	10	376000	CP-OFDM QPSK	52/0	9.297	10.190	PASS
n2	15	10	381000	DFT-s-OFDM PI/2 BPSK	50/0	8.927	9.611	PASS
n2	15	10	381000	DFT-s-OFDM QPSK	50/0	8.930	9.729	PASS
n2	15	10	381000	DFT-s-OFDM 16QAM	50/0	8.946	9.618	PASS
n2	15	10	381000	DFT-s-OFDM 64QAM	50/0	8.931	9.651	PASS
n2	15	10	381000	DFT-s-OFDM 256QAM	50/0	8.934	9.639	PASS
n2	15	10	381000	CP-OFDM QPSK	52/0	9.294	10.203	PASS
n2	15	15	371500	DFT-s-OFDM PI/2 BPSK	75/0	13.411	14.320	PASS
n2	15	15	371500	DFT-s-OFDM QPSK	75/0	13.430	14.366	PASS
n2	15	15	371500	DFT-s-OFDM 16QAM	75/0	13.429	14.270	PASS
n2	15	15	371500	DFT-s-OFDM 64QAM	75/0	13.401	14.208	PASS
n2	15	15	371500	DFT-s-OFDM 256QAM	75/0	13.441	14.342	PASS
n2	15	15	371500	CP-OFDM QPSK	79/0	14.102	15.096	PASS
n2	15	15	376000	DFT-s-OFDM PI/2 BPSK	75/0	13.428	14.341	PASS
n2	15	15	376000	DFT-s-OFDM QPSK	75/0	13.426	14.395	PASS
n2	15	15	376000	DFT-s-OFDM 16QAM	75/0	13.428	14.337	PASS
n2	15	15	376000	DFT-s-OFDM 64QAM	75/0	13.405	14.318	PASS
n2	15	15	376000	DFT-s-OFDM 256QAM	75/0	13.428	14.175	PASS

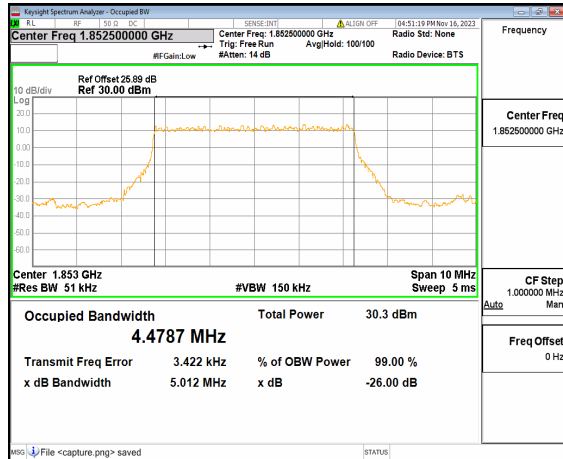


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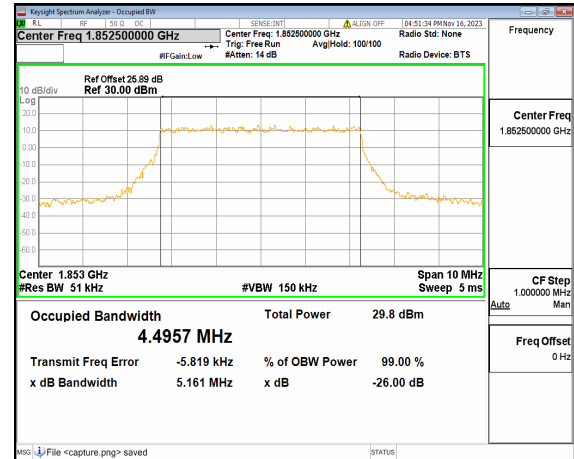
n2	15	15	376000	CP-OFDM QPSK	79/0	14.117	14.967	PASS
n2	15	15	380500	DFT-s-OFDM PI/2 BPSK	75/0	13.418	14.271	PASS
n2	15	15	380500	DFT-s-OFDM QPSK	75/0	13.450	14.390	PASS
n2	15	15	380500	DFT-s-OFDM 16QAM	75/0	13.427	14.240	PASS
n2	15	15	380500	DFT-s-OFDM 64QAM	75/0	13.461	14.267	PASS
n2	15	15	380500	DFT-s-OFDM 256QAM	75/0	13.451	14.376	PASS
n2	15	15	380500	CP-OFDM QPSK	79/0	14.123	15.022	PASS
n2	15	20	372000	DFT-s-OFDM PI/2 BPSK	100/0	17.864	18.848	PASS
n2	15	20	372000	DFT-s-OFDM QPSK	100/0	17.881	18.851	PASS
n2	15	20	372000	DFT-s-OFDM 16QAM	100/0	17.874	18.809	PASS
n2	15	20	372000	DFT-s-OFDM 64QAM	100/0	17.897	18.819	PASS
n2	15	20	372000	DFT-s-OFDM 256QAM	100/0	17.847	18.789	PASS
n2	15	20	372000	CP-OFDM QPSK	106/0	18.923	20.112	PASS
n2	15	20	376000	DFT-s-OFDM PI/2 BPSK	100/0	17.850	18.911	PASS
n2	15	20	376000	DFT-s-OFDM QPSK	100/0	17.872	18.934	PASS
n2	15	20	376000	DFT-s-OFDM 16QAM	100/0	17.875	18.912	PASS
n2	15	20	376000	DFT-s-OFDM 64QAM	100/0	17.892	18.838	PASS
n2	15	20	376000	DFT-s-OFDM 256QAM	100/0	17.848	18.784	PASS
n2	15	20	376000	CP-OFDM QPSK	106/0	18.920	20.071	PASS
n2	15	20	380000	DFT-s-OFDM PI/2 BPSK	100/0	17.887	18.928	PASS
n2	15	20	380000	DFT-s-OFDM QPSK	100/0	17.896	18.887	PASS
n2	15	20	380000	DFT-s-OFDM 16QAM	100/0	17.904	18.863	PASS
n2	15	20	380000	DFT-s-OFDM 64QAM	100/0	17.907	18.857	PASS
n2	15	20	380000	DFT-s-OFDM 256QAM	100/0	17.866	18.743	PASS



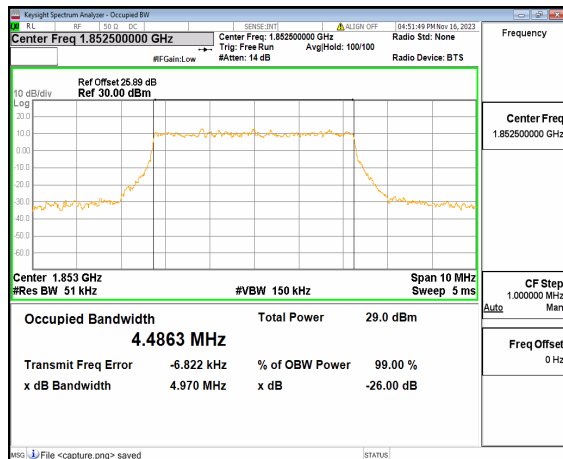
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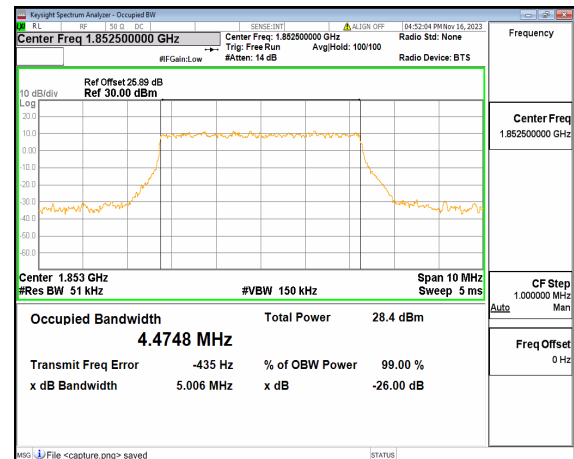
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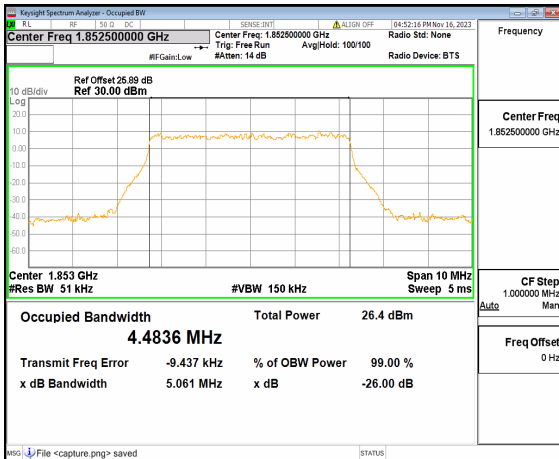
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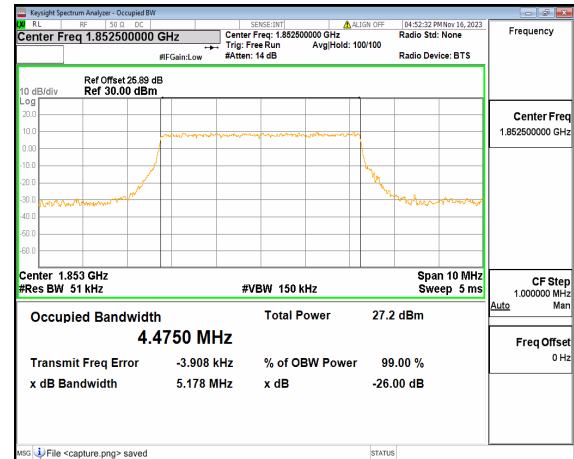
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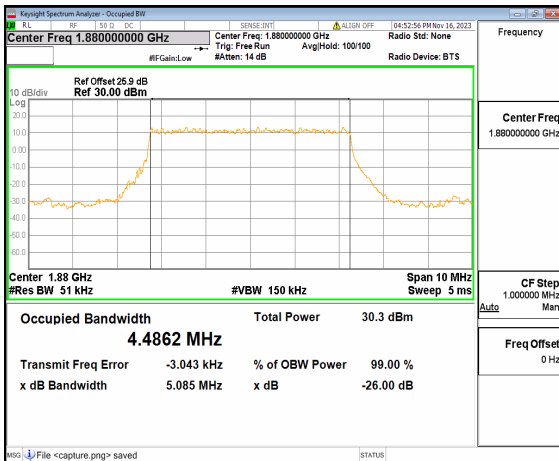
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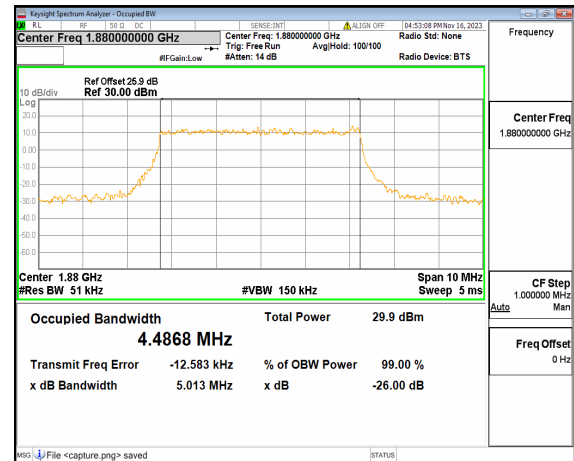
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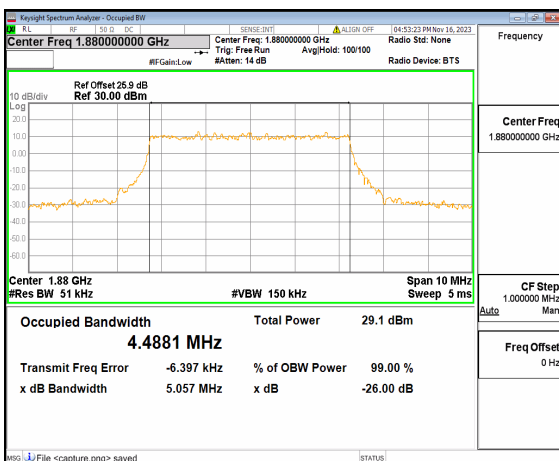
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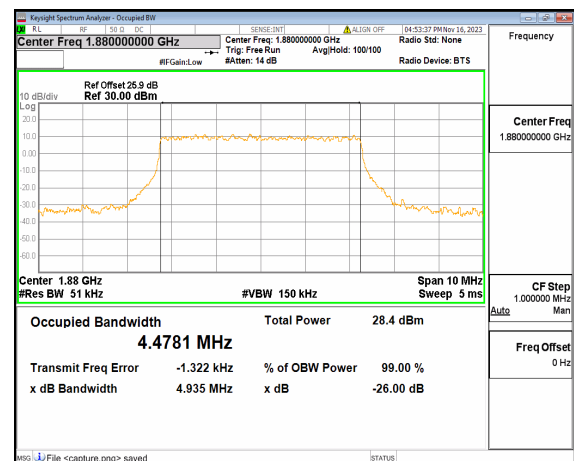
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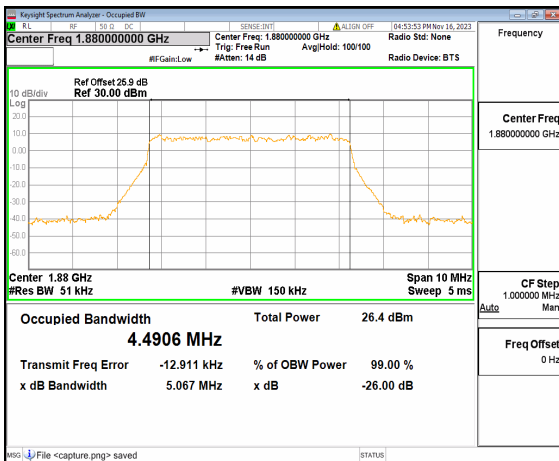
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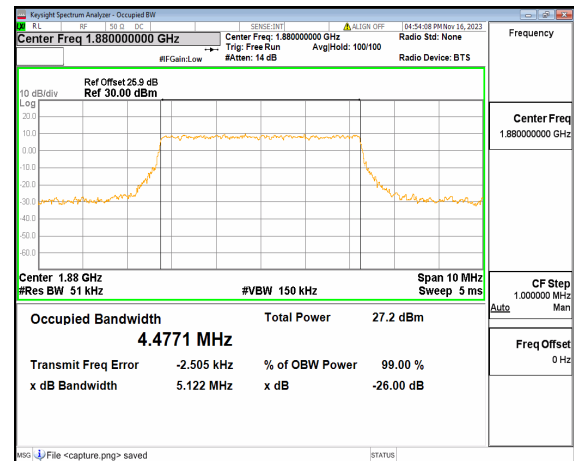
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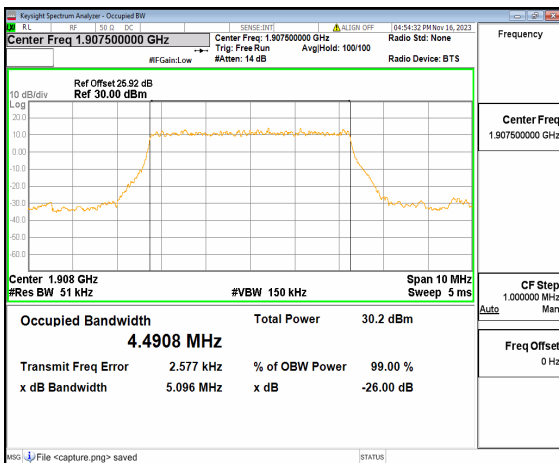
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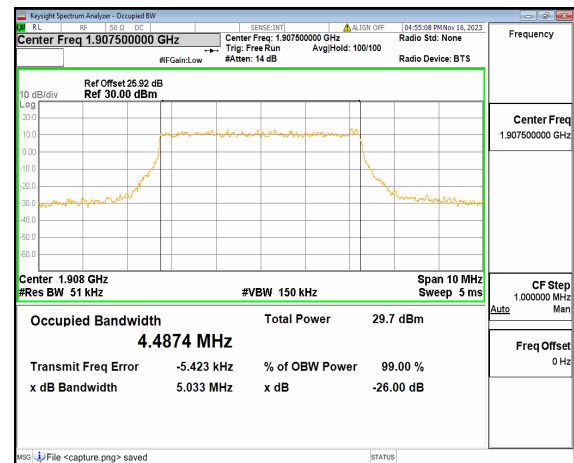
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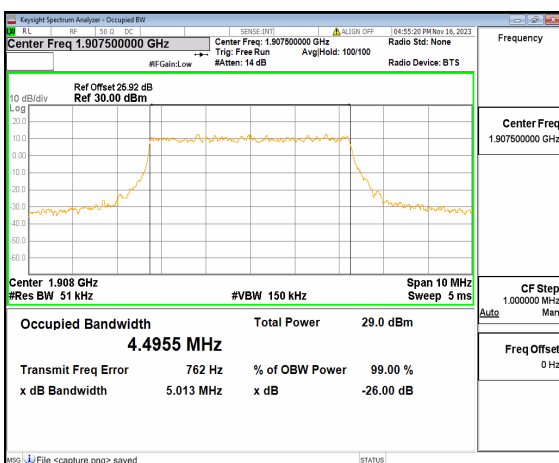
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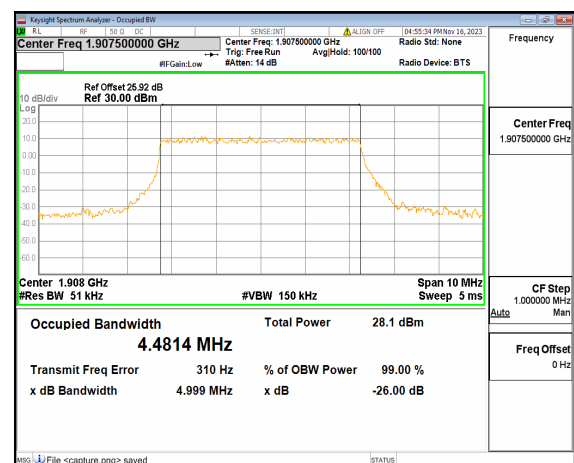
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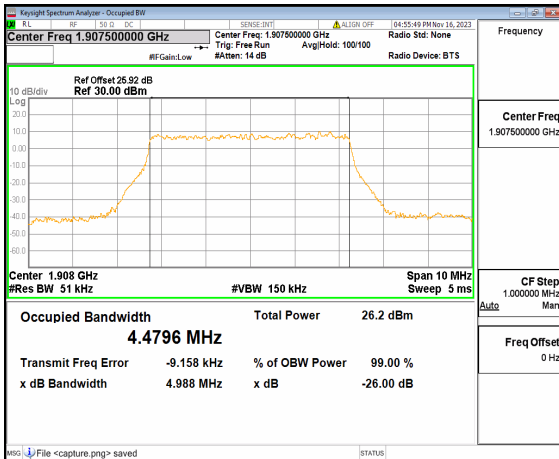
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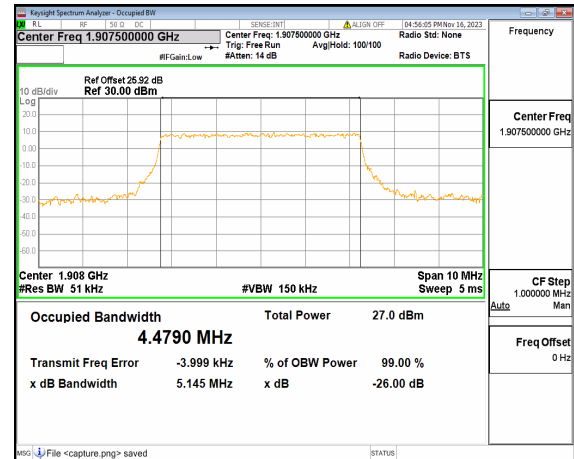
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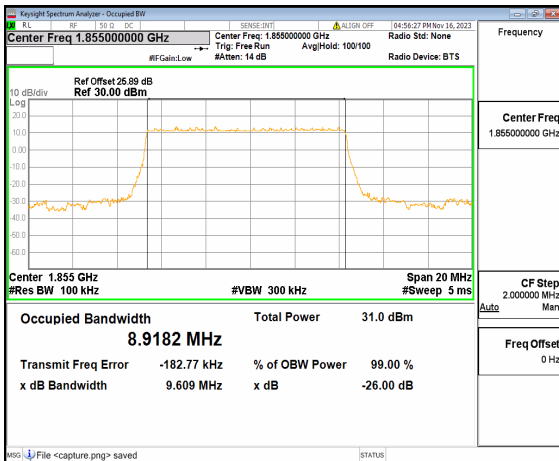
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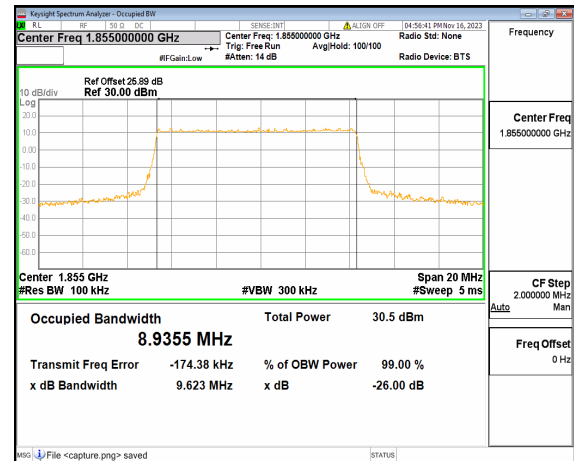
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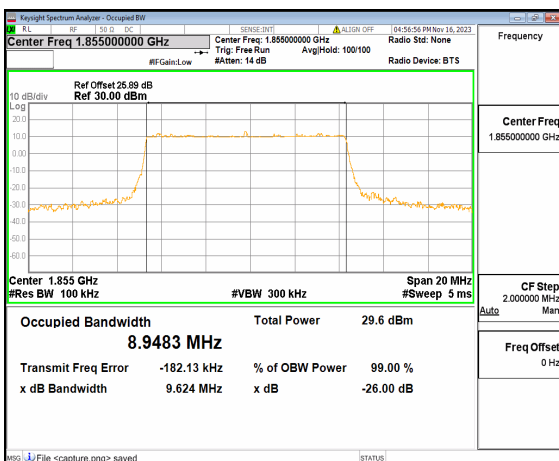
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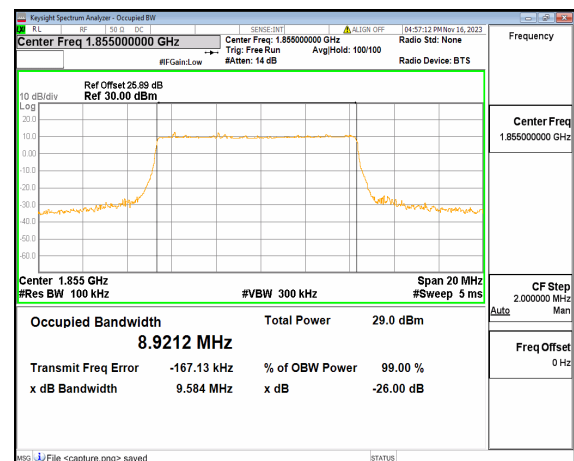
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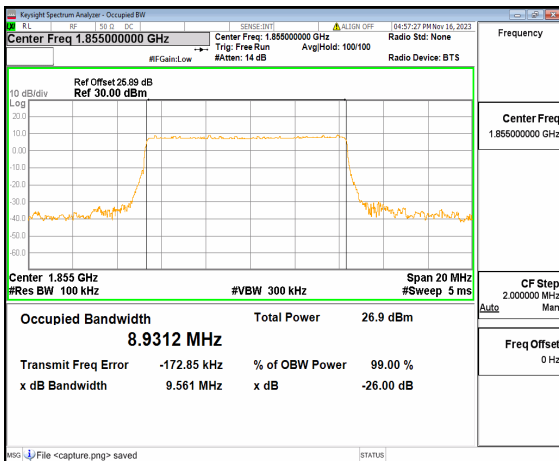
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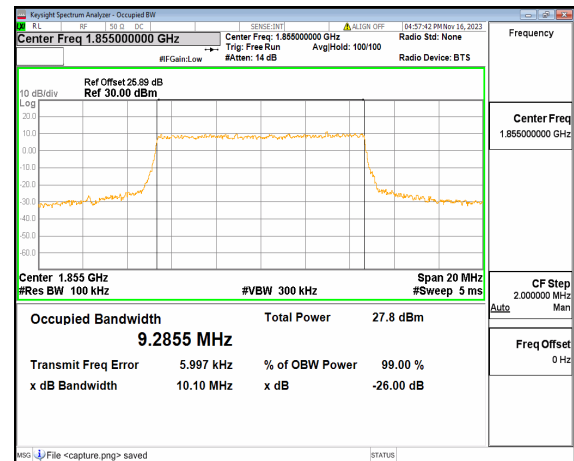
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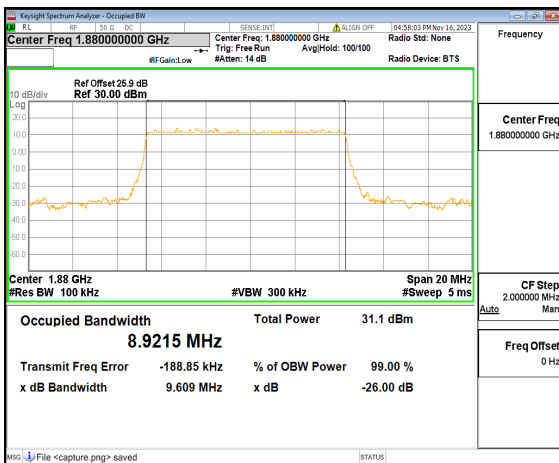
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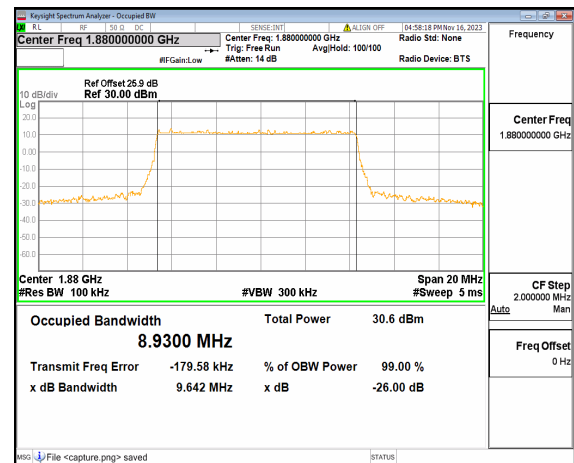
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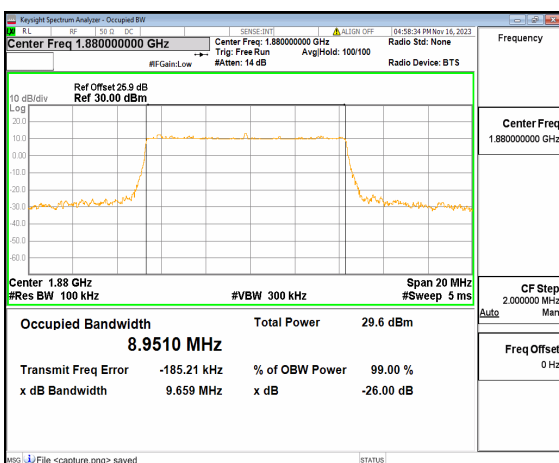
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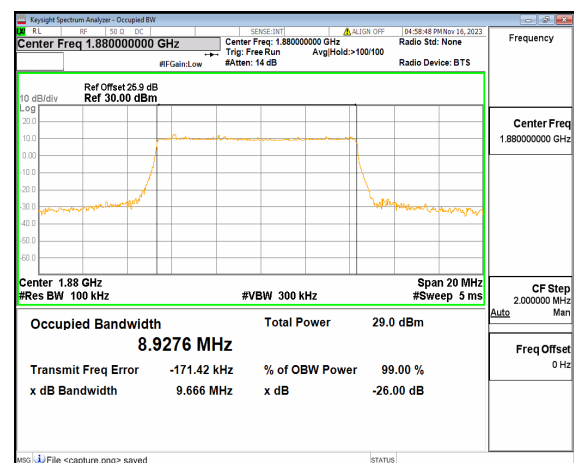
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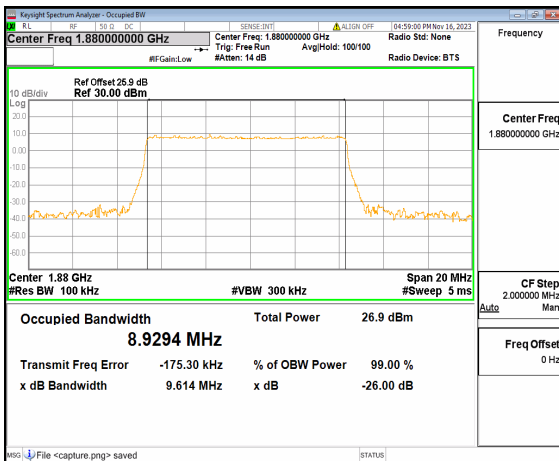
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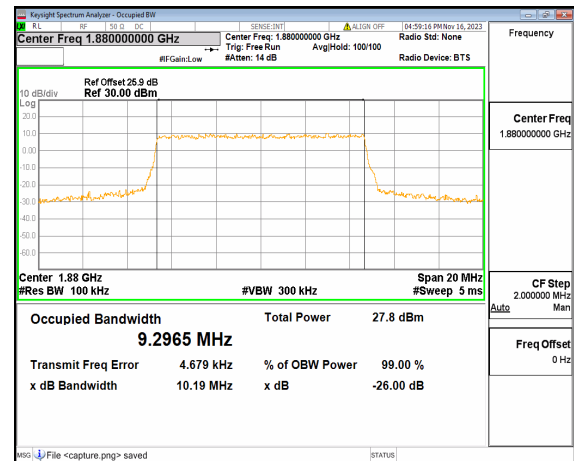
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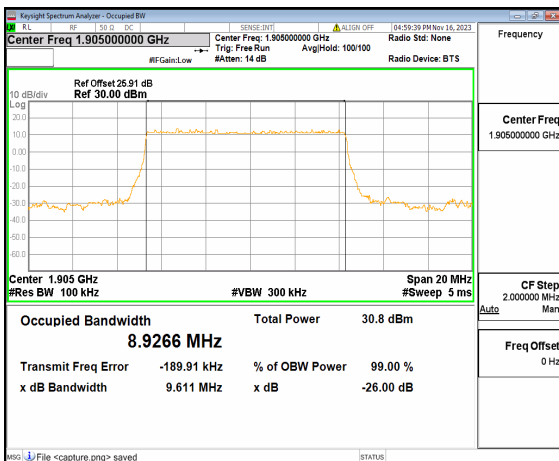
n2 10M DFT-s-OFDM 64QAM Outer_Full Mid



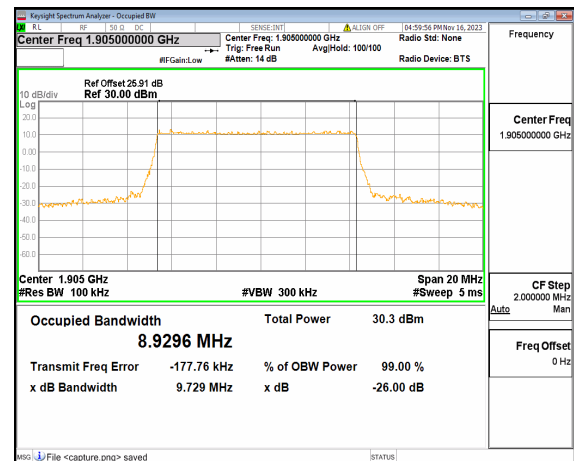
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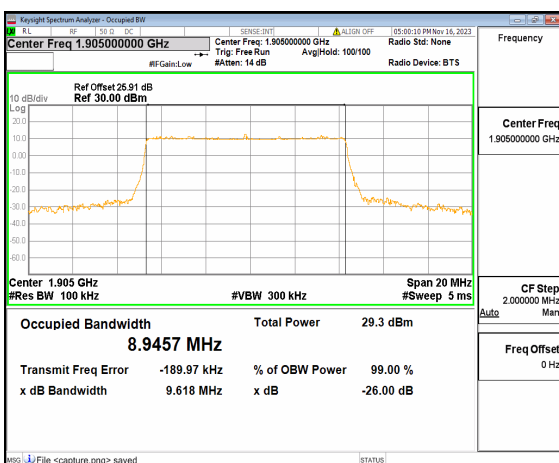
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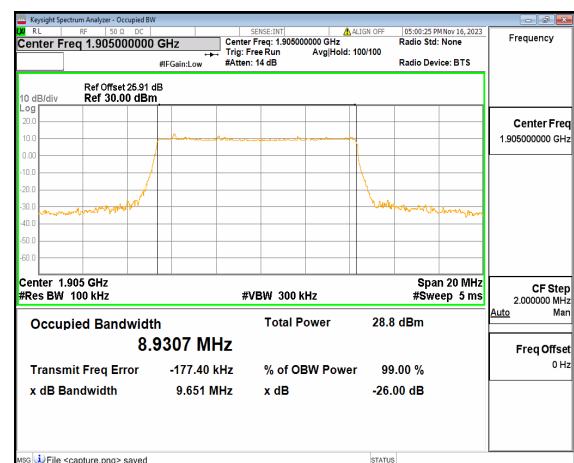
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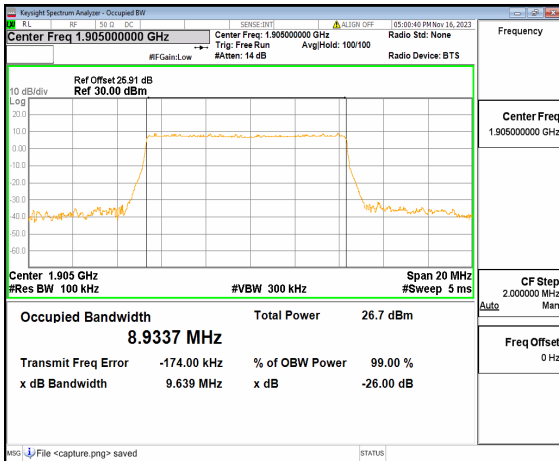
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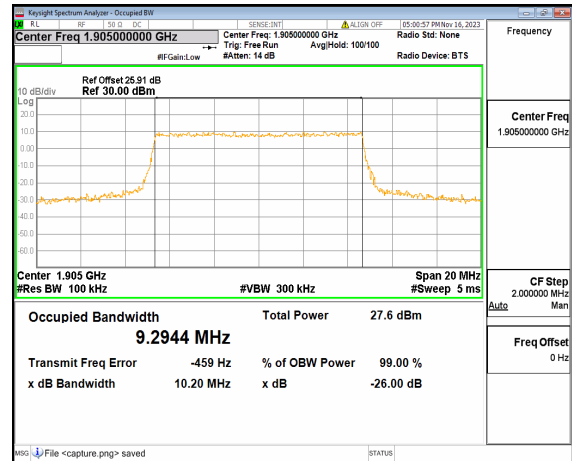
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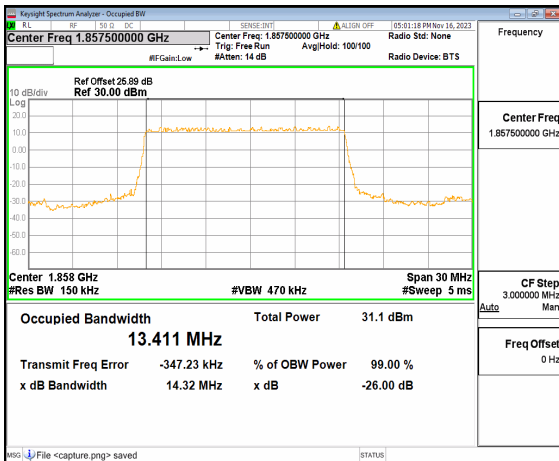
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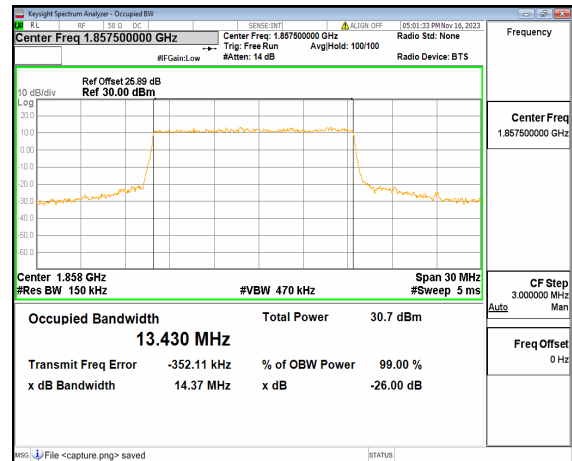
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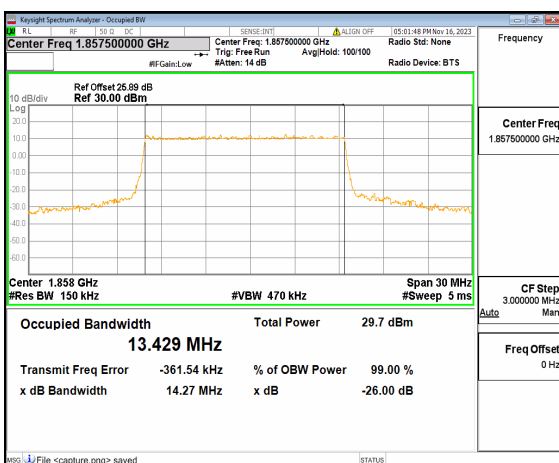
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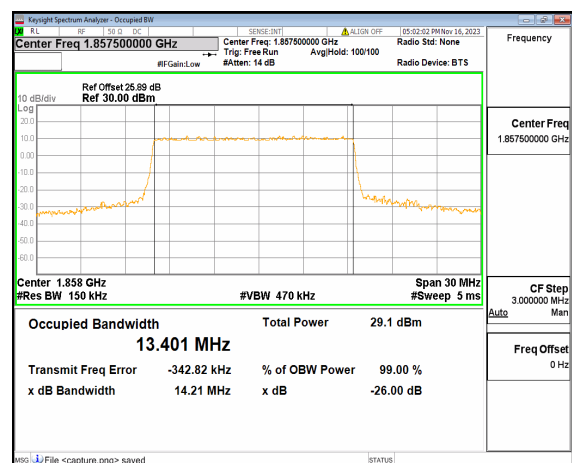
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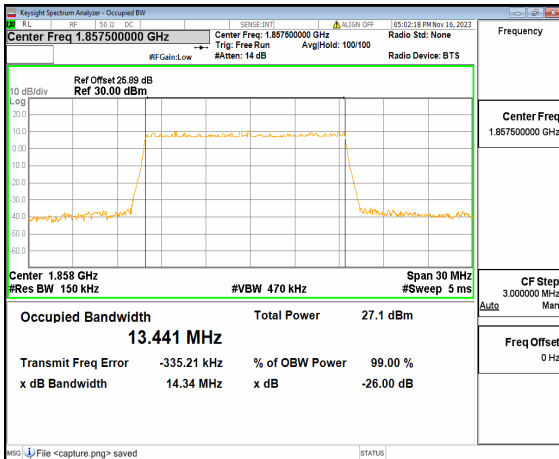
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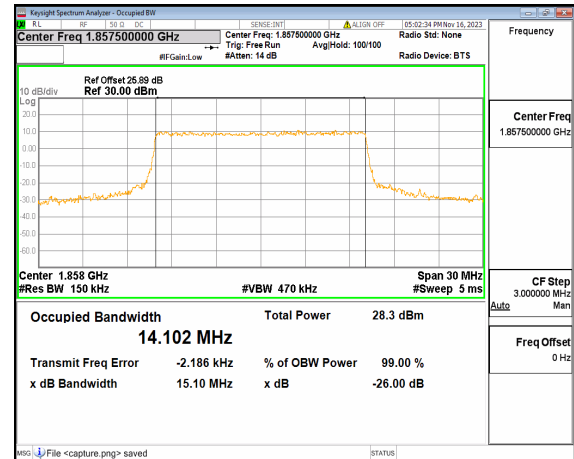
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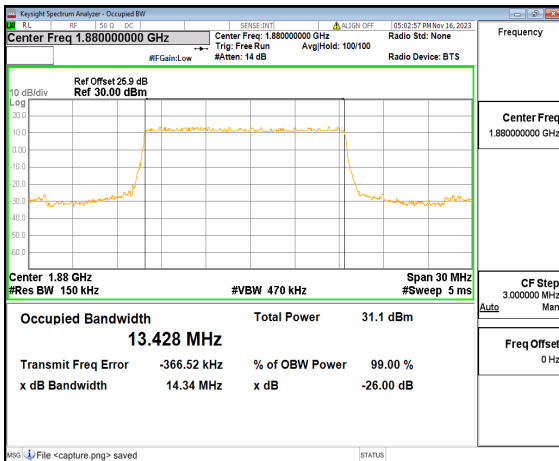
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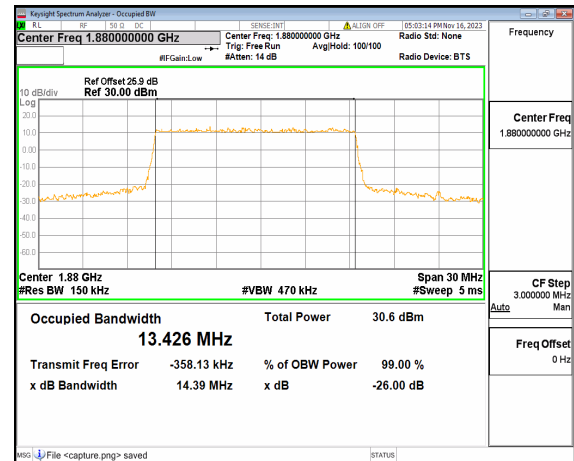
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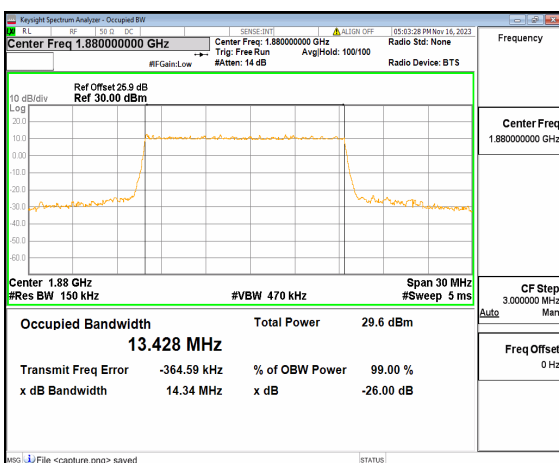
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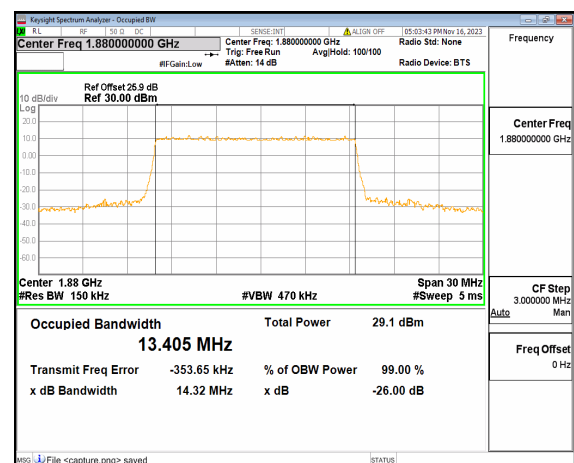
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n2 15M DFT-s-OFDM QPSK Outer_Full Mid



n2 15M DFT-s-OFDM 16QAM Outer_Full Mid



n2 15M DFT-s-OFDM 64QAM Outer_Full Mid