



Test Report No.: W7L-P21080006RF12

LTE BAND 7							
CHANNEL BANDWIDTH: 5MHz							
CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)			26dB BANDWIDTH (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20775	2502.5	4.47	4.47	4.49	4.88	4.89	4.92
21100	2535	4.49	4.46	4.48	4.99	4.94	4.96
21425	2567.5	4.47	4.48	4.48	4.97	4.96	4.96





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LTE BAND 7							
CHANNEL BANDWIDTH: 10MHz							
CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)			26dB BANDWIDTH (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20800	2505	8.95	8.95	8.95	9.72	9.67	9.68
21100	2535	9.01	8.97	8.99	15.07	12.95	9.73
21400	2565	8.99	8.97	8.98	10.60	9.77	9.73





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LTE BAND 7							
CHANNEL BANDWIDTH: 15MHz							
CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)			26dB BANDWIDTH (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20825	2507.5	13.39	13.41	13.42	14.42	14.46	14.49
21100	2535	13.56	13.48	13.47	21.74	19.44	18.10
21375	2562.5	13.49	13.45	13.48	18.09	14.55	14.50





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LTE BAND 7							
CHANNEL BANDWIDTH: 20MHz							
CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)			26dB BANDWIDTH (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20850	2510	17.85	17.86	17.88	19.13	19.09	19.18
21100	2535	17.99	17.98	18.00	28.04	25.43	26.25
21350	2560	17.95	17.91	17.91	22.15	19.23	19.24





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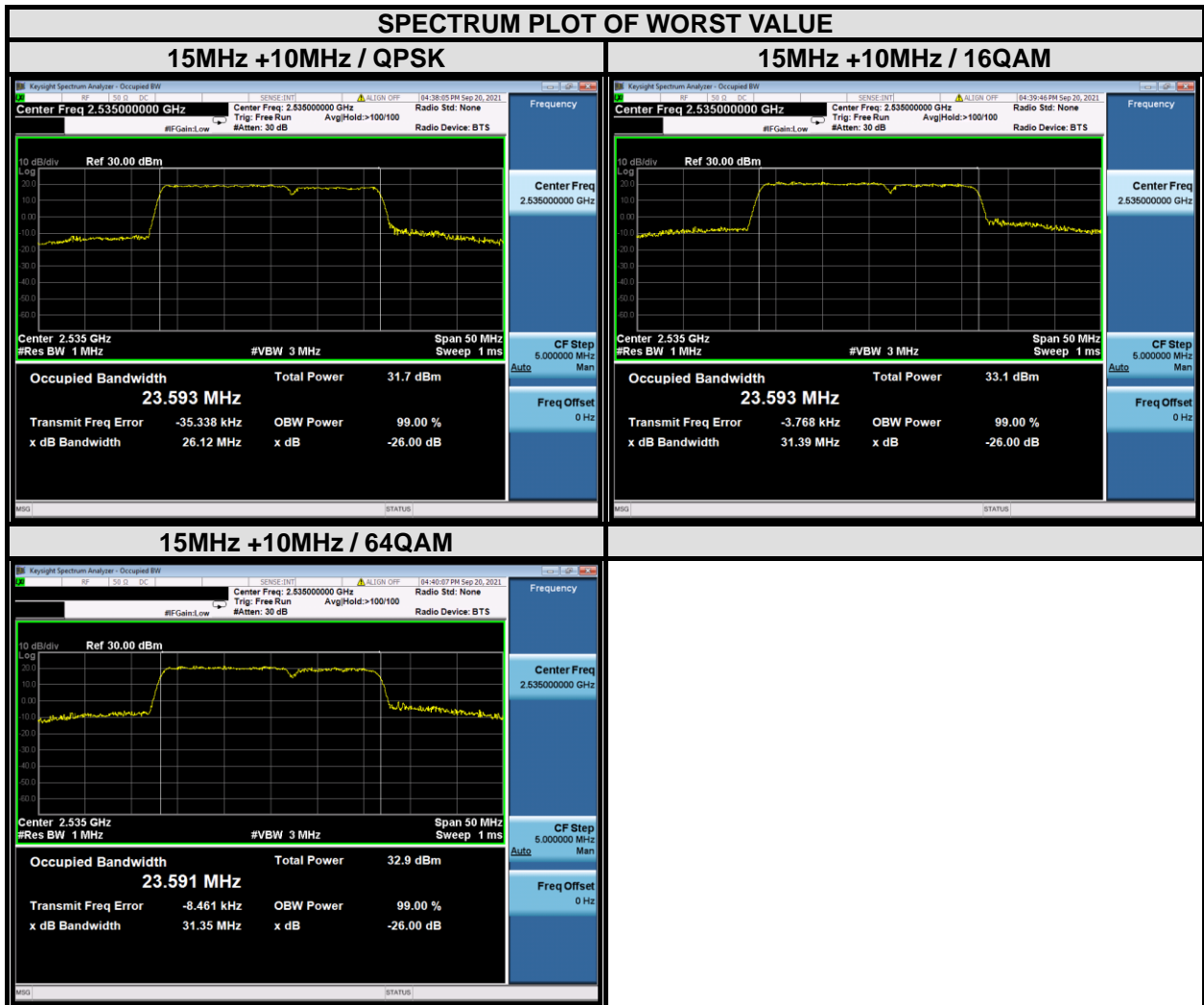
LTE BAND 7 CA				
CHANNEL BANDWIDTH: 10MHz+20MHz				
CHANNEL		99% OCCUPIED BANDWIDTH (MHz)		
PCC	SCC	QPSK	16QAM	64QAM
20805	20949	28.011	27.929	27.847
21006	21150	28.152	28.068	28.030
21206	21350	27.954	27.843	27.823
CHANNEL	CHANNEL	26dB BANDWIDTH (MHz)		
PCC	SCC	QPSK	16QAM	64QAM
20805	20949	30.07	29.99	29.92
21006	21150	30.25	30.02	29.95
21206	21350	29.89	29.86	29.91





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LTE BAND 7 CA				
CHANNEL BANDWIDTH: 15MHz +10MHz				
99% OCCUPIED BANDWIDTH (MHz)				
CHANNEL	CHANNEL	QPSK	16QAM	64QAM
20825	20975	23.511	23.492	23.467
21051	21171	23.593	23.593	23.591
21277	21397	23.568	23.569	23.543
26dB BANDWIDTH (MHz)				
CHANNEL	CHANNEL	QPSK	16QAM	64QAM
20825	20975	25.62	25.76	25.63
21051	21171	26.12	31.39	31.35
21277	21397	25.54	32.99	32.12





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LTE BAND 7 CA				
CHANNEL BANDWIDTH: 15MHz +15MHz				
99% OCCUPIED BANDWIDTH (MHz)				
CHANNEL	CHANNEL	QPSK	16QAM	64QAM
20825	20975	28.539	28.546	28.535
21025	21175	28.700	28.691	28.685
21225	21375	28.519	28.497	28.507
26dB BANDWIDTH (MHz)				
CHANNEL	CHANNEL	QPSK	16QAM	64QAM
20825	20975	30.78	30.79	30.78
21025	21175	30.81	30.88	30.88
21225	21375	30.72	30.77	30.73



LTE BAND 7 CA				
CHANNEL BANDWIDTH: 15MHz +20MHz				
CHANNEL	CHANNEL	99% OCCUPIED BANDWIDTH (MHz)		
PCC	SCC	QPSK	16QAM	64QAM
20828	20999	32.818	32.718	32.697
21003	21174	32.938	32.852	32.774
21179	21350	32.733	32.603	32.562
CHANNEL	CHANNEL	26dB BANDWIDTH (MHz)		
PCC	SCC	QPSK	16QAM	64QAM
20828	20999	35.09	35.01	35.00
21003	21174	35.19	35.08	35.08
21179	21350	35.04	34.96	34.91





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LTE BAND 7 CA				
CHANNEL BANDWIDTH: 20MHz +10MHz				
CHANNEL	CHANNEL	99% OCCUPIED BANDWIDTH (MHz)		
PCC	SCC	QPSK	16QAM	64QAM
20850	20994	28.014	27.997	28.000
21051	21195	28.136	28.016	28.038
21251	21395	27.972	27.901	27.911
CHANNEL	CHANNEL	26dB BANDWIDTH (MHz)		
PCC	SCC	QPSK	16QAM	64QAM
20850	20994	30.31	30.00	30.19
21051	21195	30.40	30.30	30.31
21251	21395	30.19	30.19	30.21





LTE BAND 7 CA				
CHANNEL BANDWIDTH: 20MHz +15MHz				
CHANNEL	CHANNEL	99% OCCUPIED BANDWIDTH (MHz)		
PCC	SCC	QPSK	16QAM	64QAM
20850	21021	32.678	32.698	32.674
21026	21197	32.812	32.808	32.815
21201	21372	32.592	32.585	32.622
CHANNEL	CHANNEL	26dB BANDWIDTH (MHz)		
PCC	SCC	QPSK	16QAM	64QAM
20850	21021	35.09	35.19	35.09
21026	21197	35.32	35.28	35.36
21201	21372	35.15	35.14	35.09



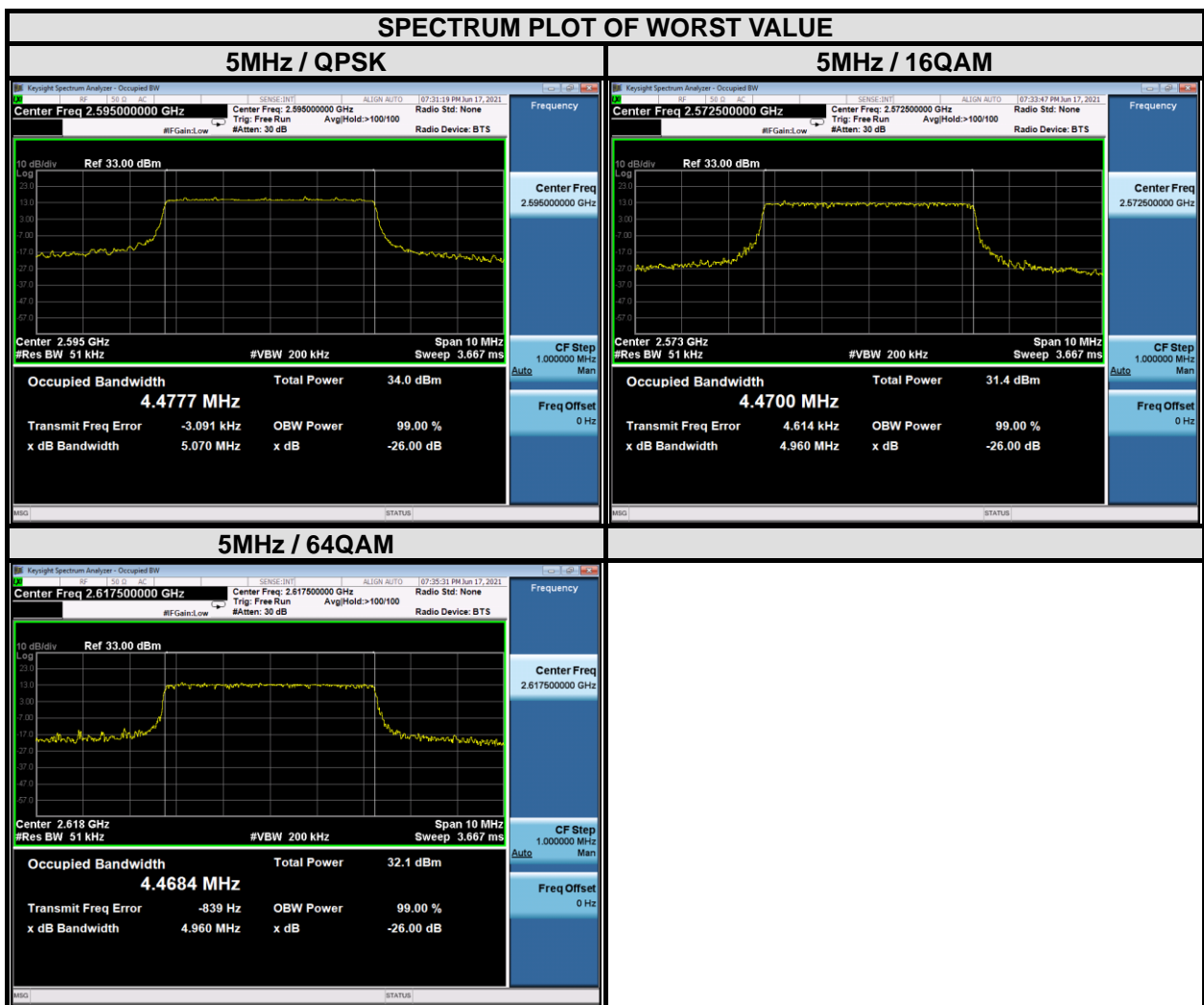


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LTE BAND 7 CA				
CHANNEL BANDWIDTH: 20MHz +20MHz				
99% OCCUPIED BANDWIDTH (MHz)				
CHANNEL	CHANNEL	QPSK	16QAM	64QAM
PCC	SCC			
20850	21048	37.412	37.473	37.457
21001	21199	37.645	37.550	37.558
21152	21350	37.362	37.299	37.291
26dB BANDWIDTH (MHz)				
CHANNEL	CHANNEL	QPSK	16QAM	64QAM
PCC	SCC			
20850	21048	40.04	40.03	39.96
21001	21199	40.09	40.09	40.10
21152	21350	39.95	39.94	39.95



LTE BAND 38							
CHANNEL BANDWIDTH:5MHz							
CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)			26dB BANDWIDTH (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
37775	2572.5	4.46	4.47	4.47	4.86	4.96	4.95
38000	2595	4.48	4.46	4.46	5.07	4.92	4.88
38225	2617.5	4.47	4.47	4.47	5.20	4.93	4.96





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LTE BAND 38							
CHANNEL BANDWIDTH: 10MHz							
CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)			26dB BANDWIDTH (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
37800	2575	8.96	8.94	8.95	9.80	9.60	9.61
38000	2595	8.96	8.96	8.95	9.63	9.63	9.67
38200	2615	8.97	8.96	8.96	9.76	9.80	9.65





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LTE BAND 38							
CHANNEL BANDWIDTH: 15MHz							
CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)			26dB BANDWIDTH (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
37825	2577.5	13.41	13.45	13.44	14.51	14.41	14.47
38000	2595	13.43	13.43	13.44	14.41	14.51	14.49
38175	2612.5	13.44	13.42	13.43	15.01	14.13	14.36



LTE BAND 38							
CHANNEL BANDWIDTH: 20MHz							
CHANNEL	FREQUENCY (MHz)	99% OCCUPIED BANDWIDTH (MHz)			26dB BANDWIDTH (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
37850	2580	17.88	17.87	17.83	19.15	19.11	18.97
38000	2595	17.89	17.89	17.89	19.34	19.26	19.28
38150	2610	17.91	17.88	17.86	19.27	19.28	19.16

