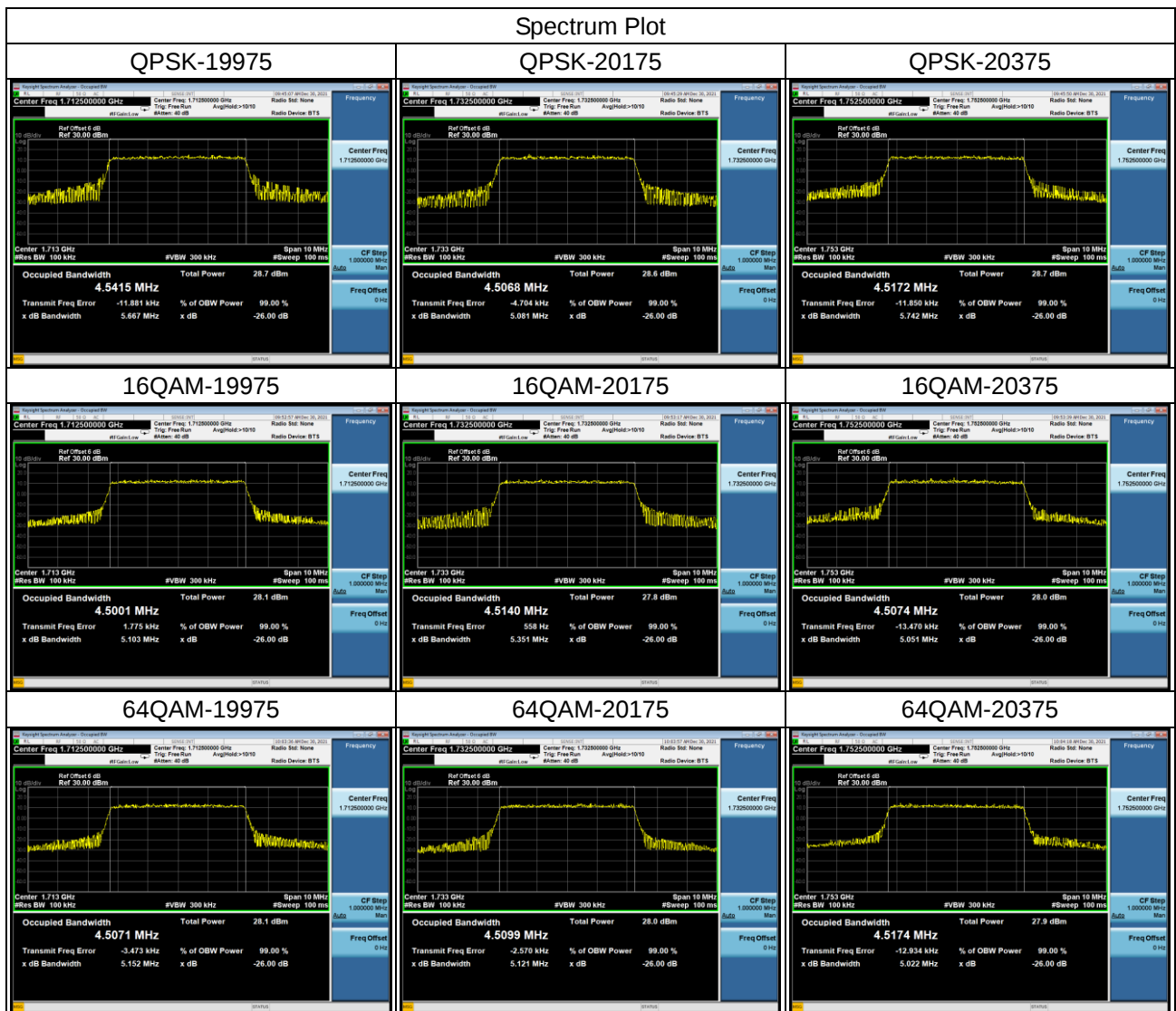
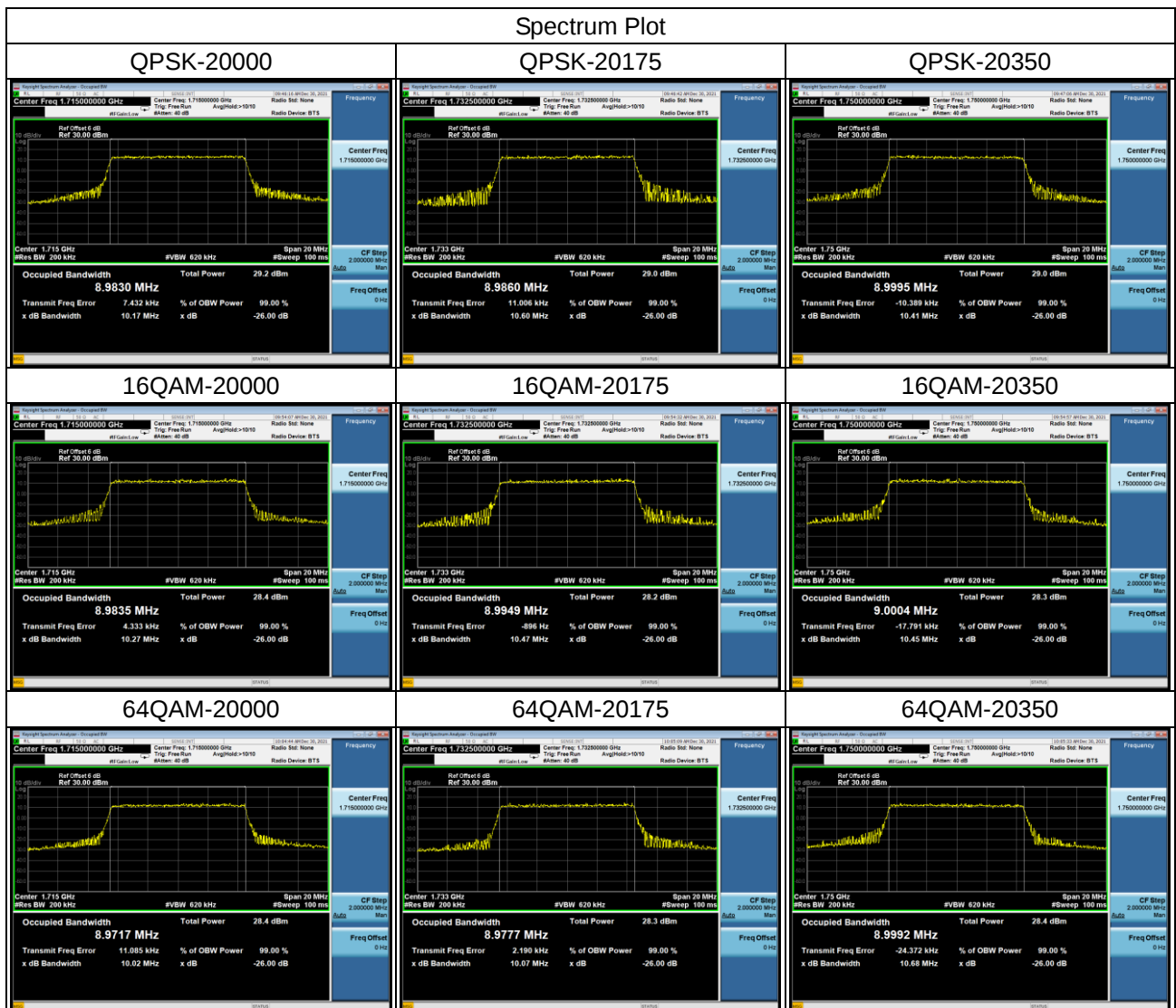


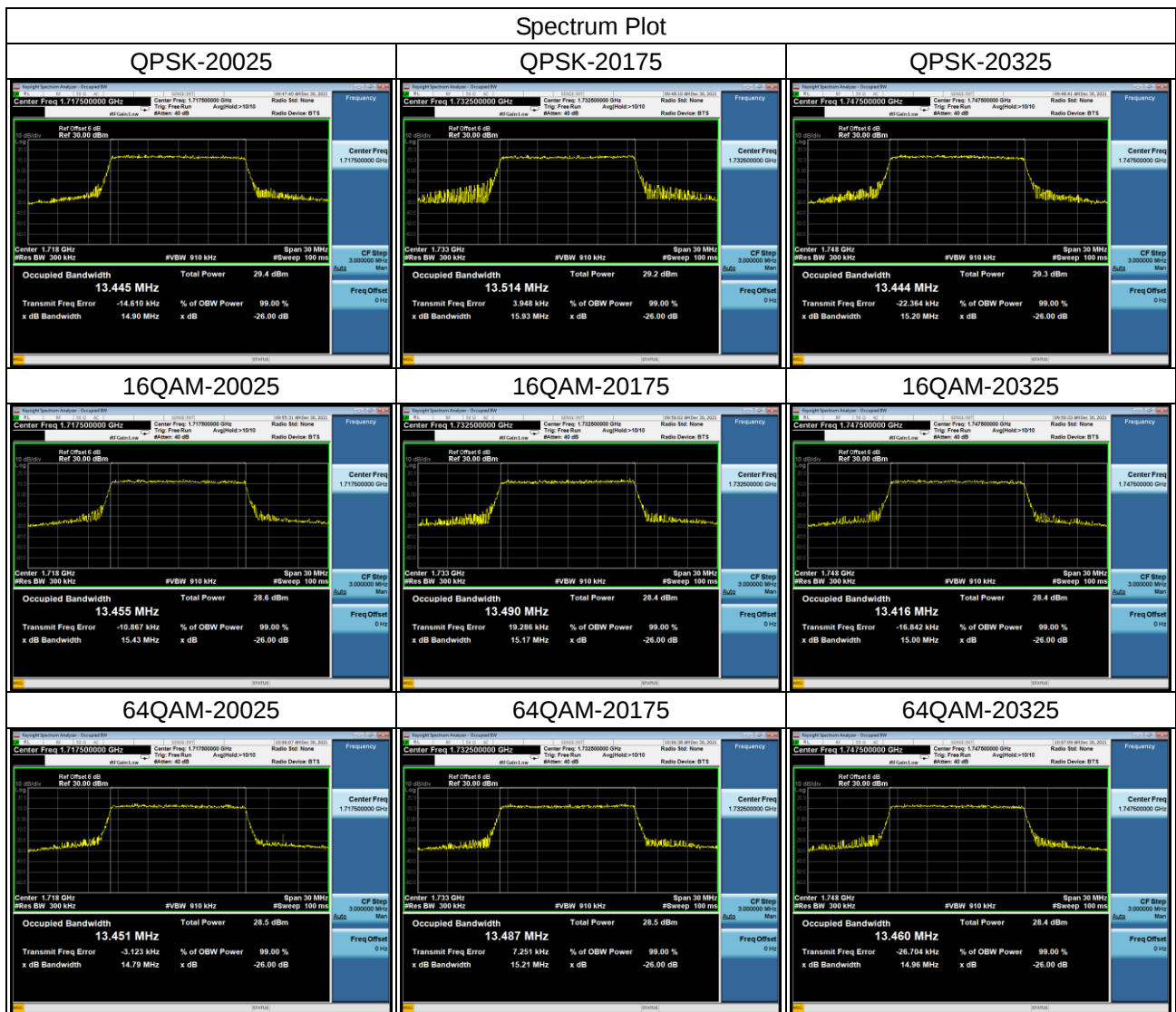
LTE Band 4_5MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
19975	1712.5	4.5415	4.5001	4.5071	5.667	5.103	5.152
20175	1732.5	4.5068	4.5140	4.5099	5.081	5.351	5.121
20375	1752.5	4.5172	4.5074	4.5174	5.742	5.051	5.022



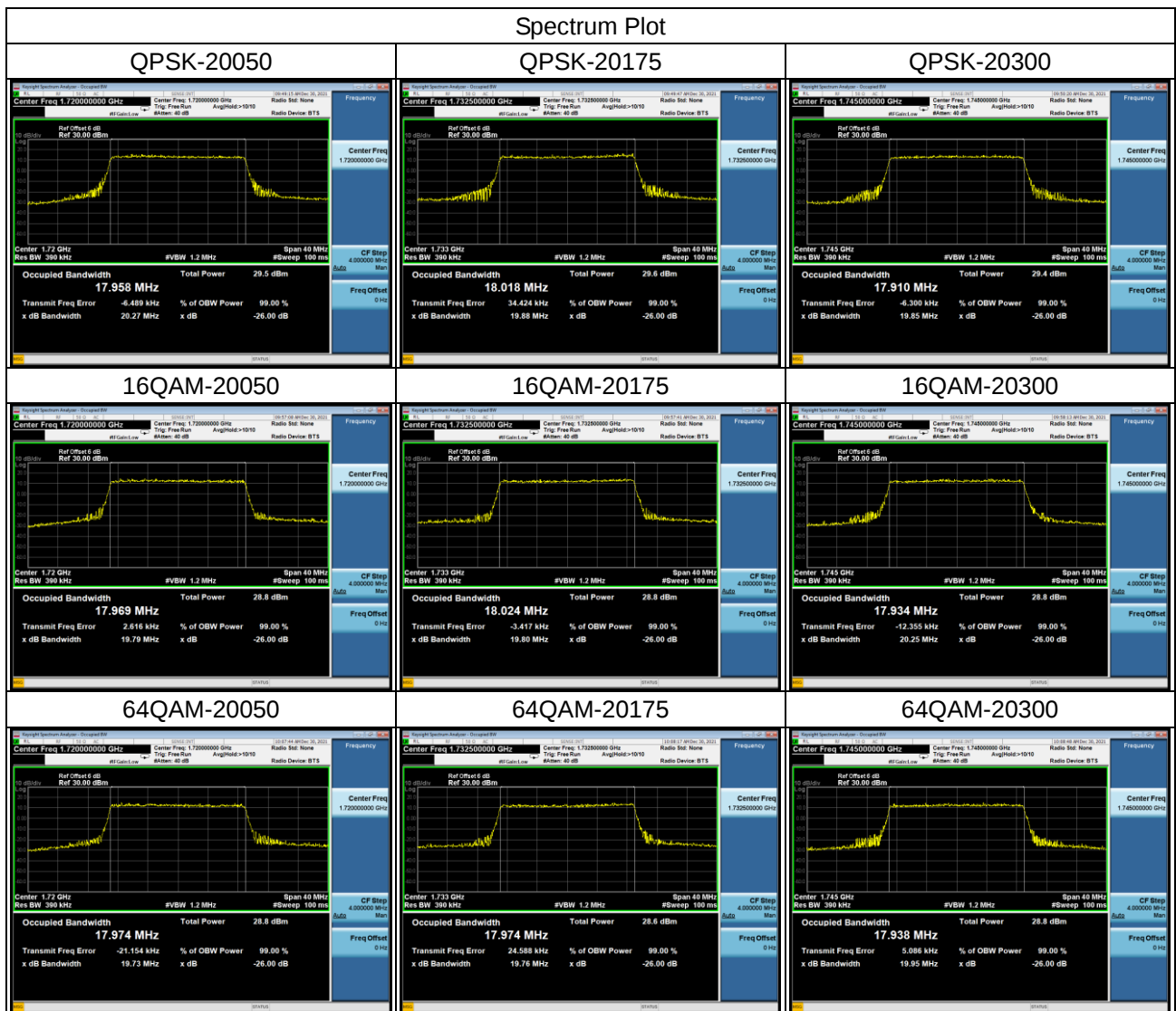
LTE Band 4_10MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20000	1715	8.9830	8.9835	8.9717	10.17	10.27	10.02
20175	1732.5	8.9860	8.9949	8.9777	10.60	10.47	10.07
20350	1715	8.9995	9.0004	8.9992	10.41	10.45	10.68



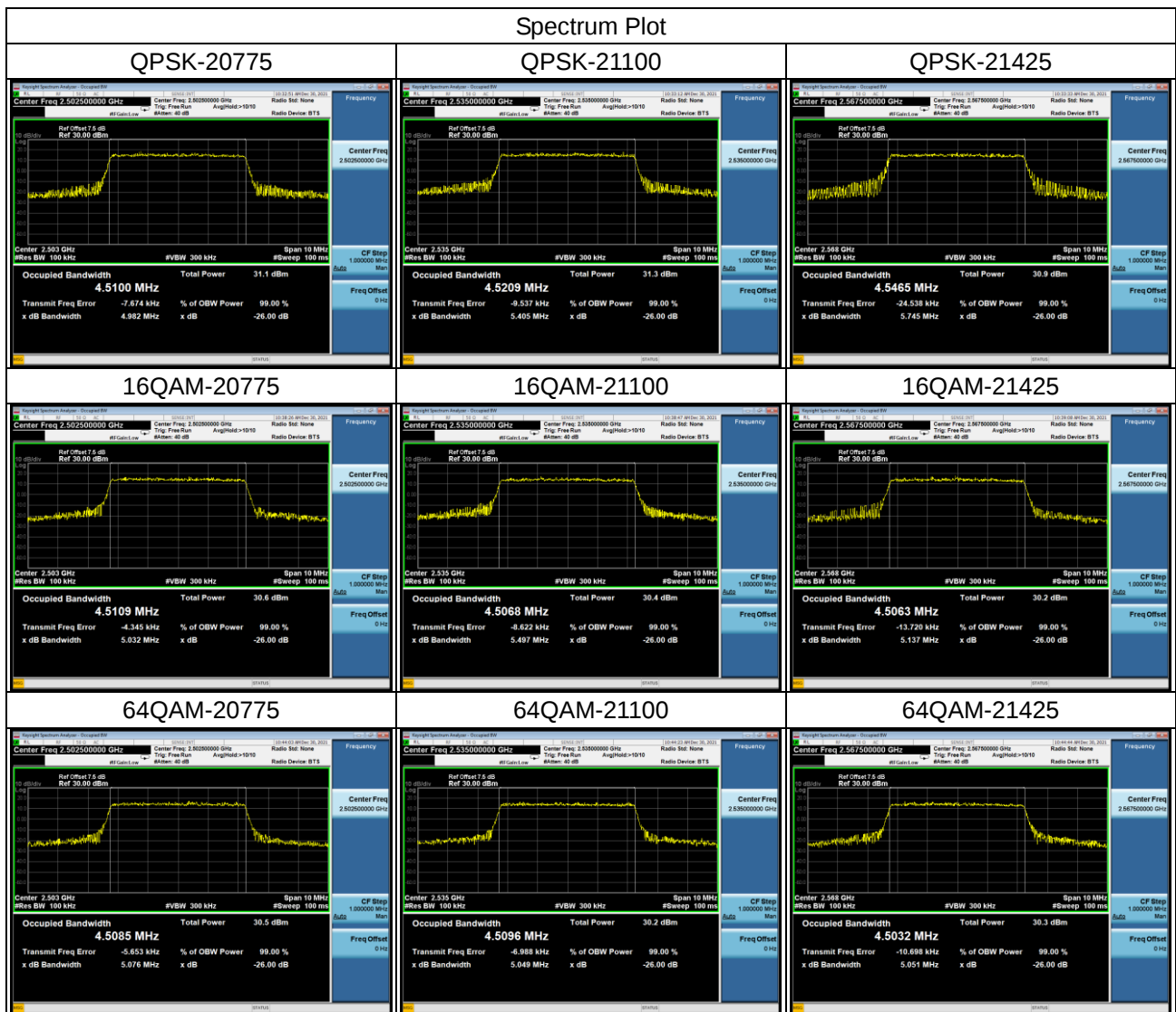
LTE Band 4_15MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20025	1717.5	13.445	13.455	13.451	14.90	15.43	14.79
20175	1732.5	13.514	13.490	13.487	15.93	15.17	15.21
20325	1747.5	13.444	13.416	13.460	15.20	15.00	14.96



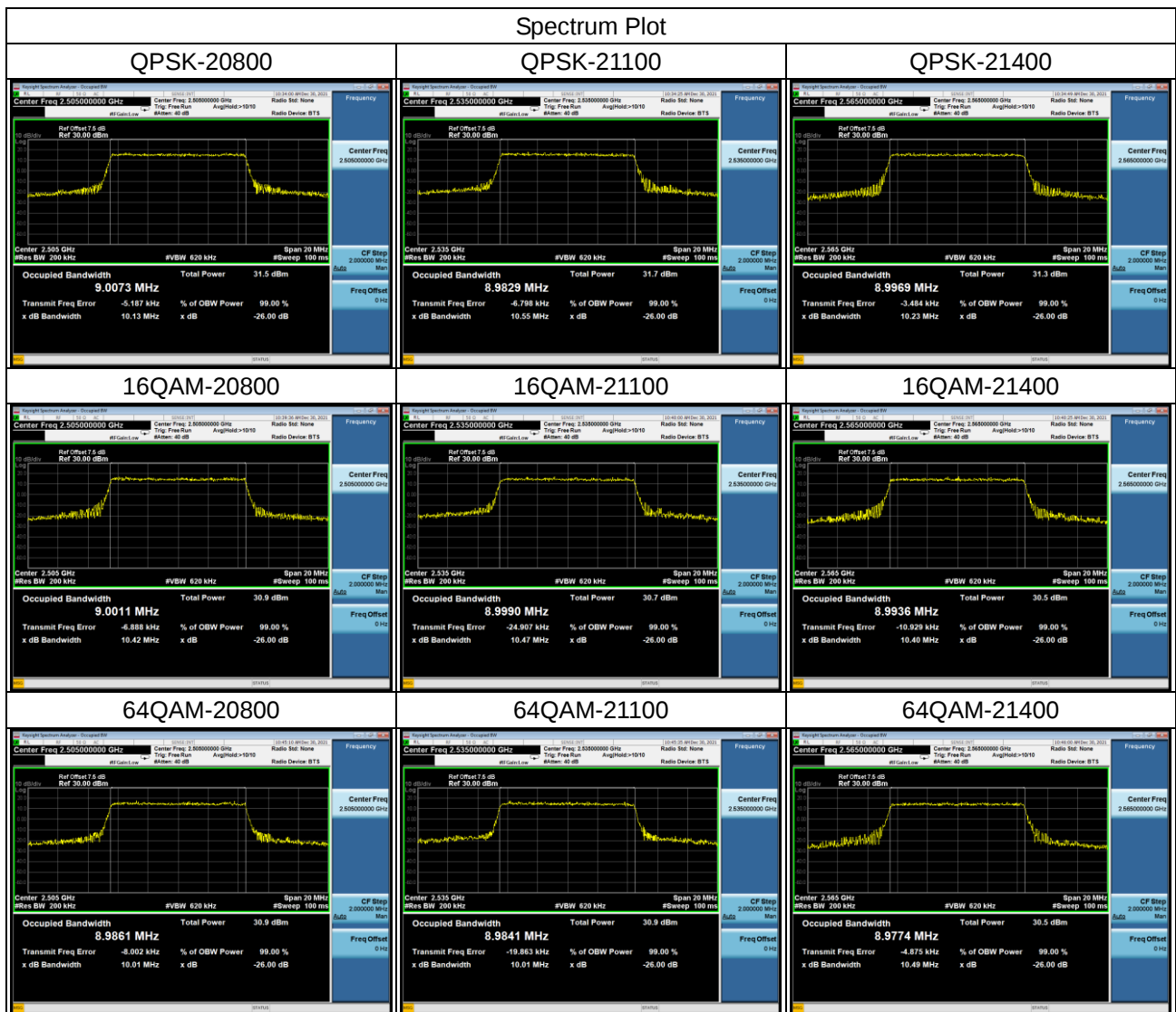
LTE Band 4_20MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20050	1720	17.958	17.969	17.974	20.27	19.79	19.73
20175	1732.5	18.018	18.024	17.974	19.88	19.80	19.76
20300	1740	17.910	17.934	17.938	19.85	20.25	19.95



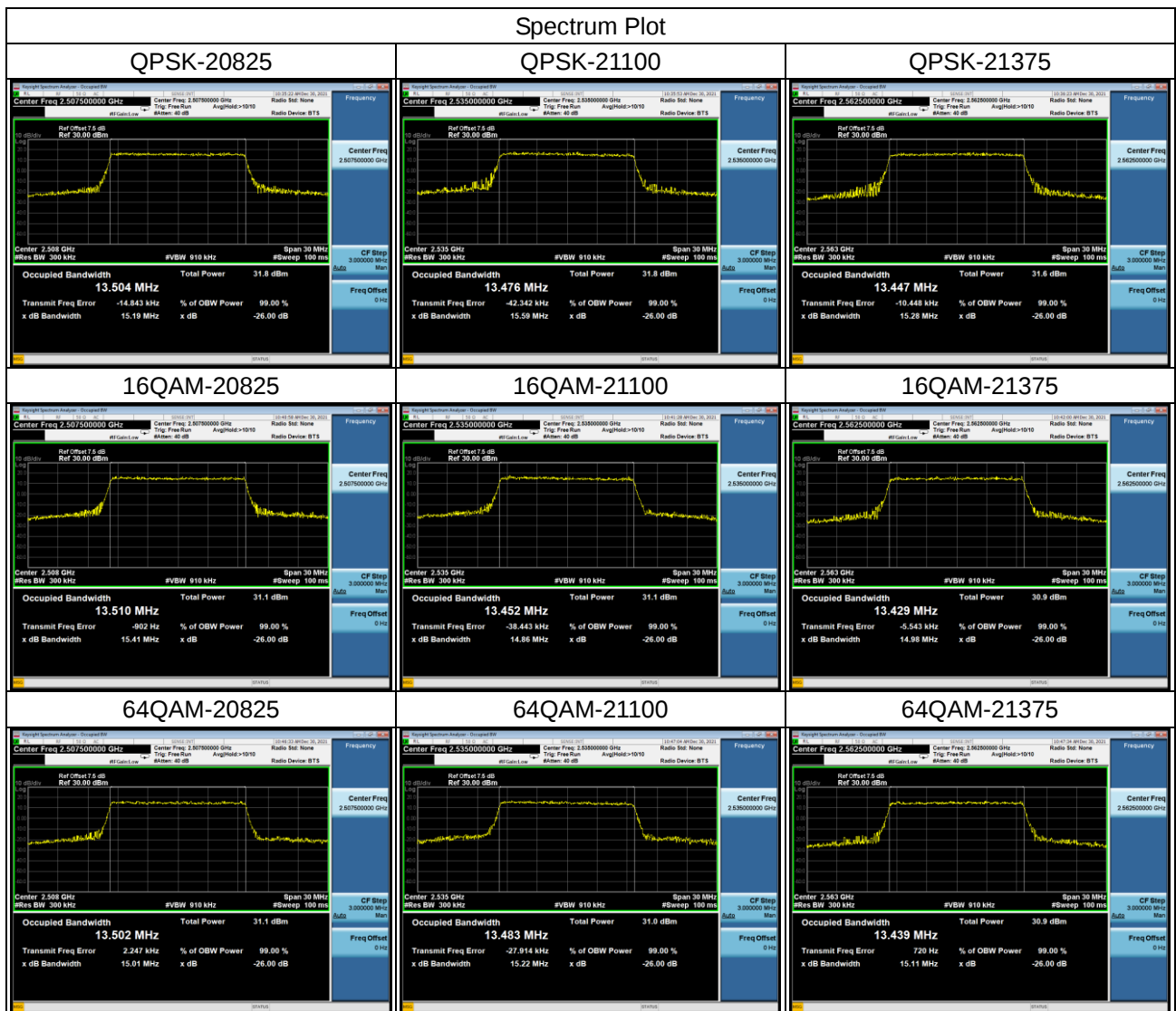
LTE Band 7_5MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20775	2502.5	4.5100	4.5109	4.5085	4.982	5.032	5.076
21100	2535	4.5209	4.5068	4.5096	5.405	5.497	5.049
21425	2567.5	4.5465	4.5063	4.5032	5.745	5.137	5.051



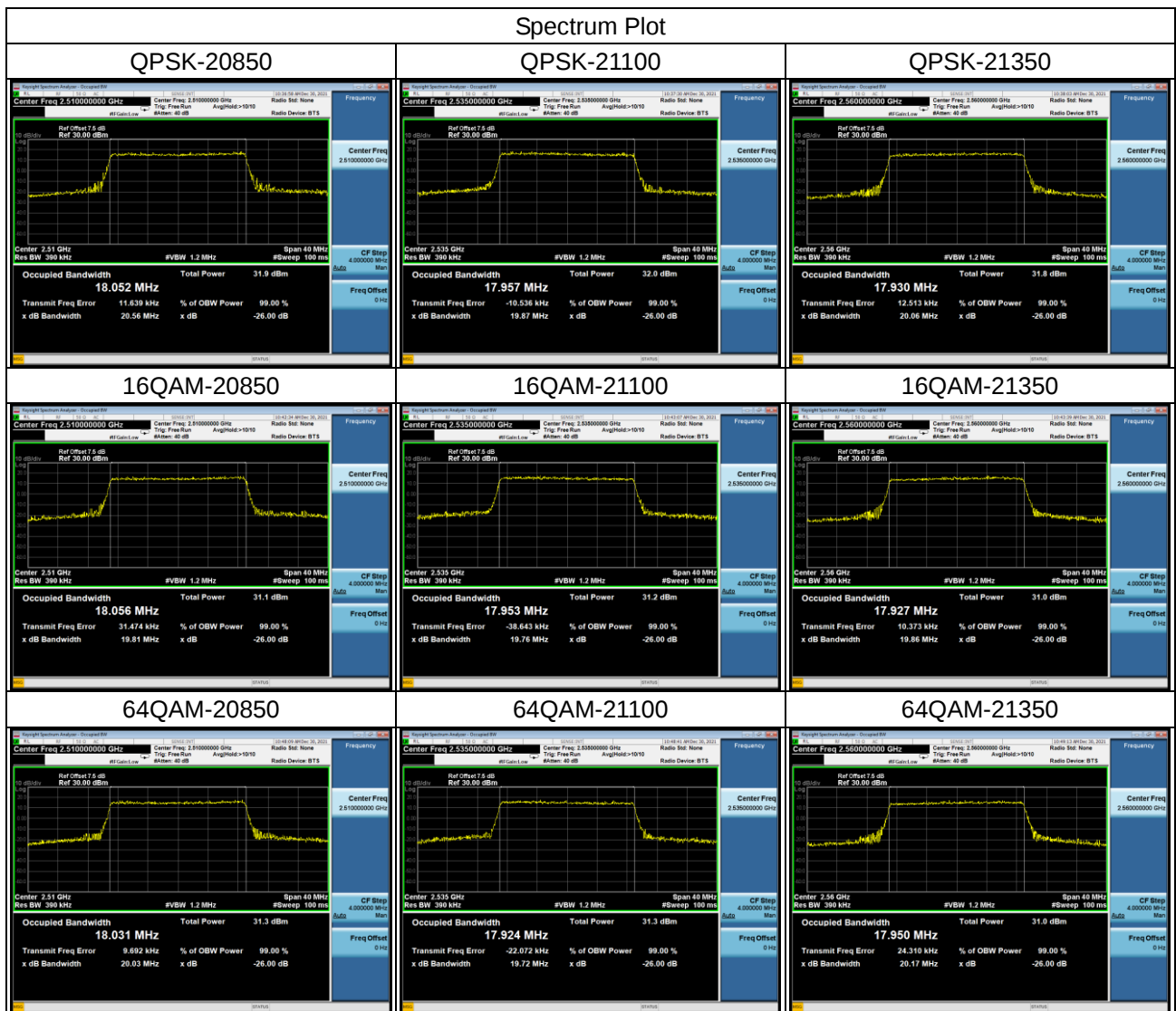
LTE Band 7_10MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20800	2505	9.0073	9.0011	8.9861	10.13	10.42	10.01
21100	2535	8.9829	8.9990	8.9841	10.55	10.47	10.01
21400	2565	8.9969	8.9936	8.9774	10.23	10.40	10.49



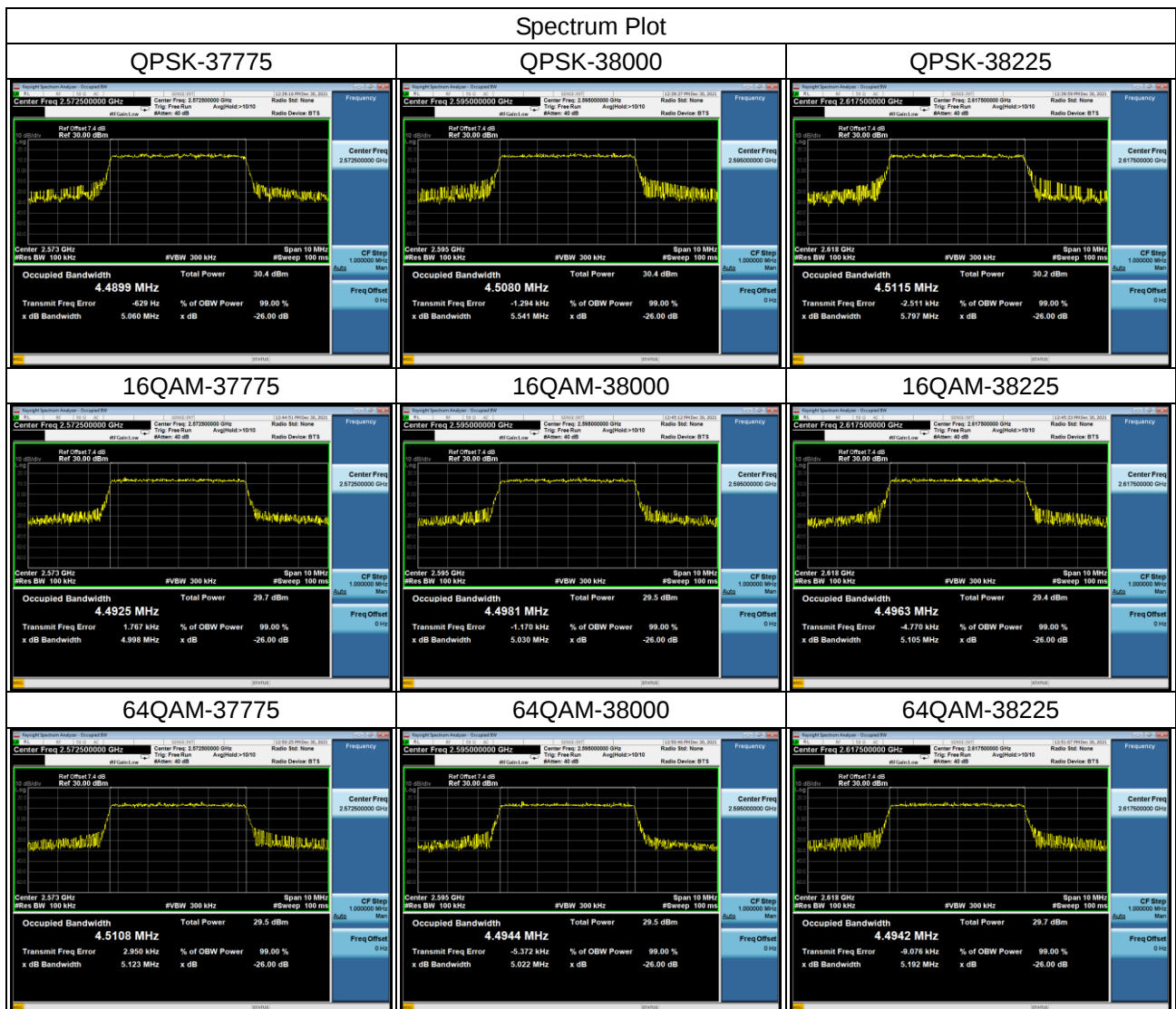
LTE Band 7_15MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20825	2507.5	13.504	13.510	13.502	15.19	15.41	15.01
21100	2535	13.476	13.452	13.483	15.59	14.86	15.22
21375	2562.5	13.447	13.429	13.439	15.28	14.98	15.11



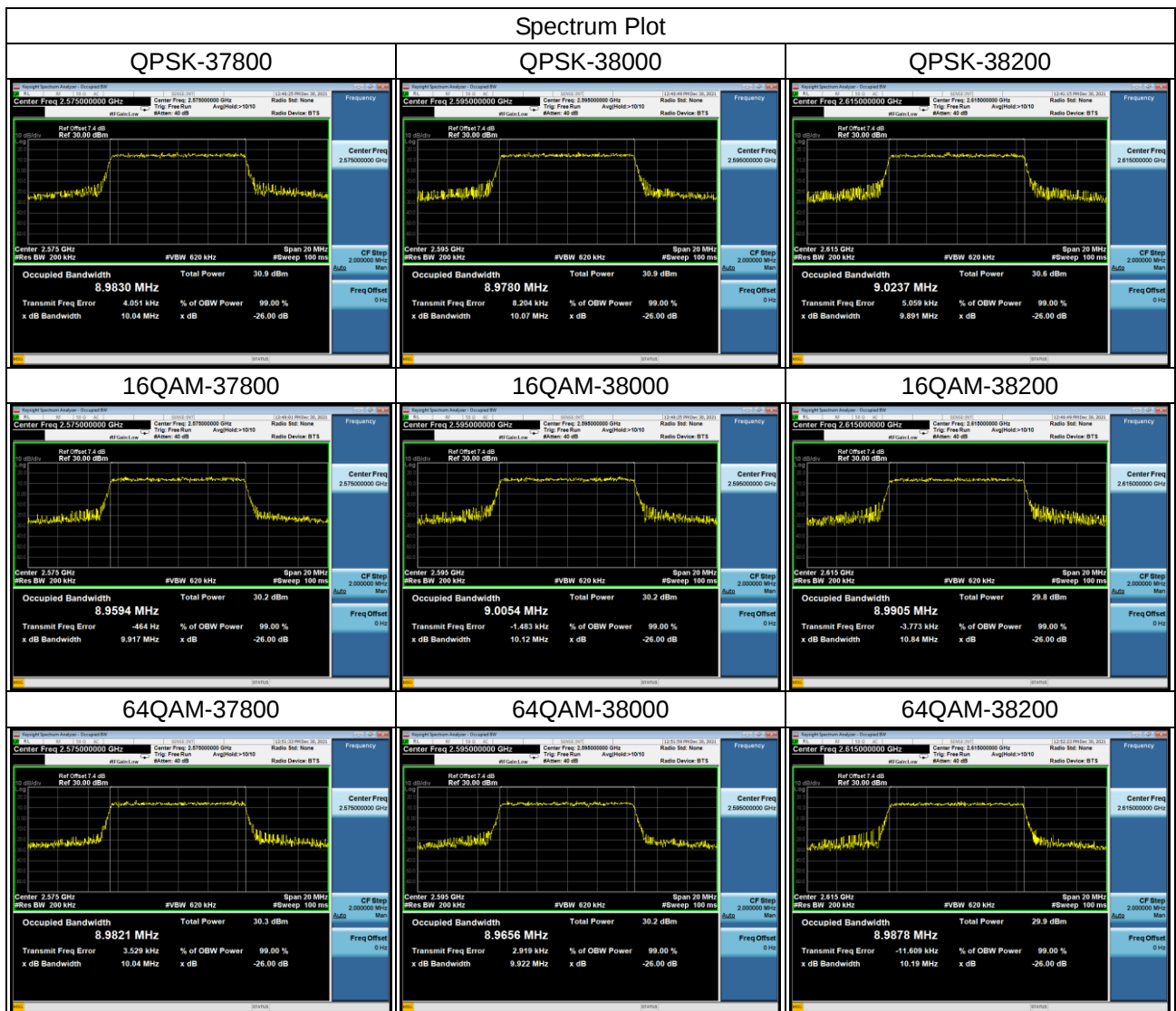
LTE Band 7_20MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20850	2510	18.052	18.056	18.031	20.56	19.81	20.03
21100	2535	17.957	17.953	17.924	19.87	19.76	19.72
21350	2560	17.930	17.927	17.950	20.06	19.86	20.17



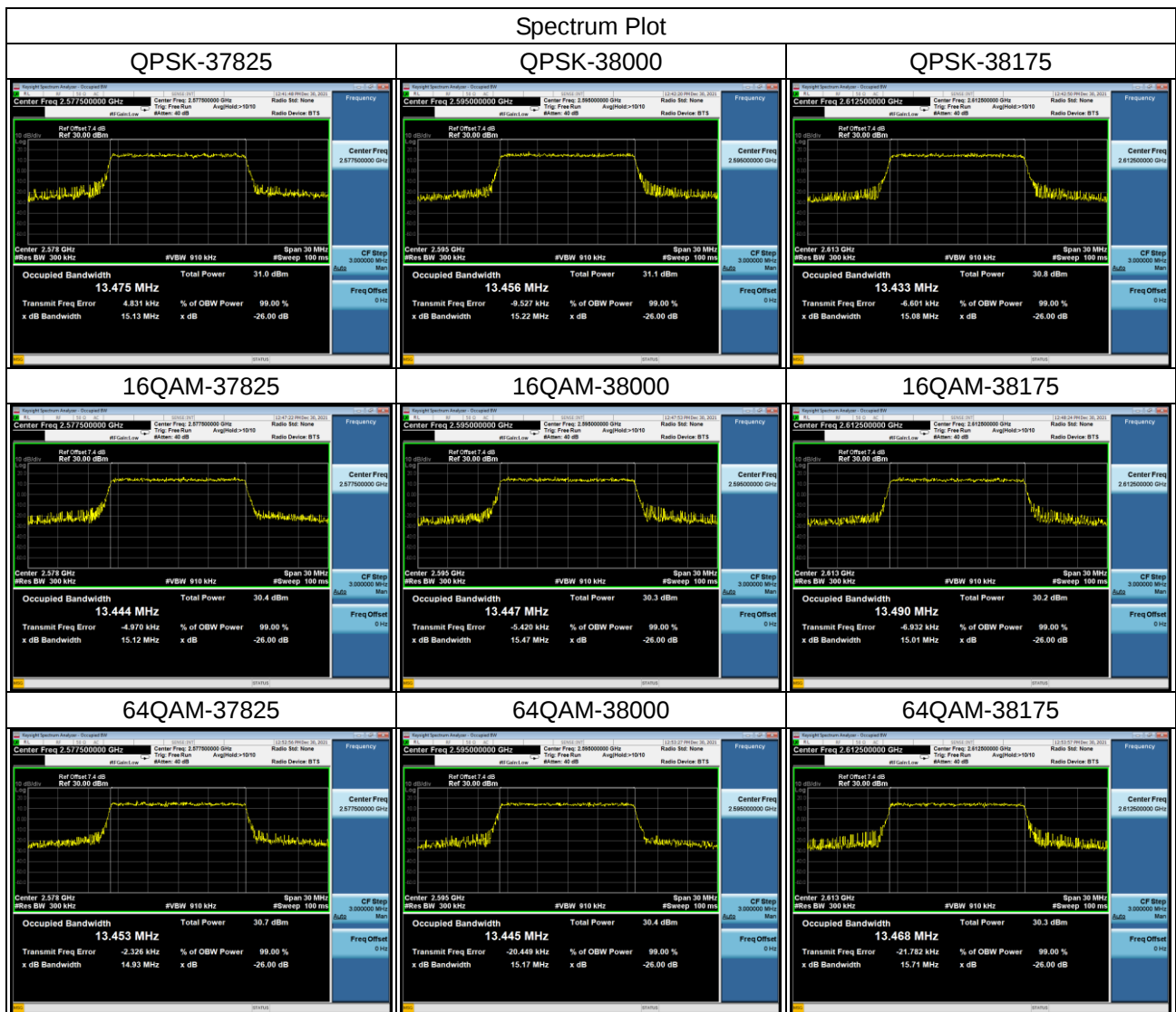
LTE Band 38_5MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
37775	2572.5	4.4899	4.4925	4.5108	5.060	4.998	5.123
38000	2595	4.5080	4.4981	4.4944	5.541	5.030	5.022
38225	2617.5	4.5115	4.4963	4.4942	5.797	5.105	5.192



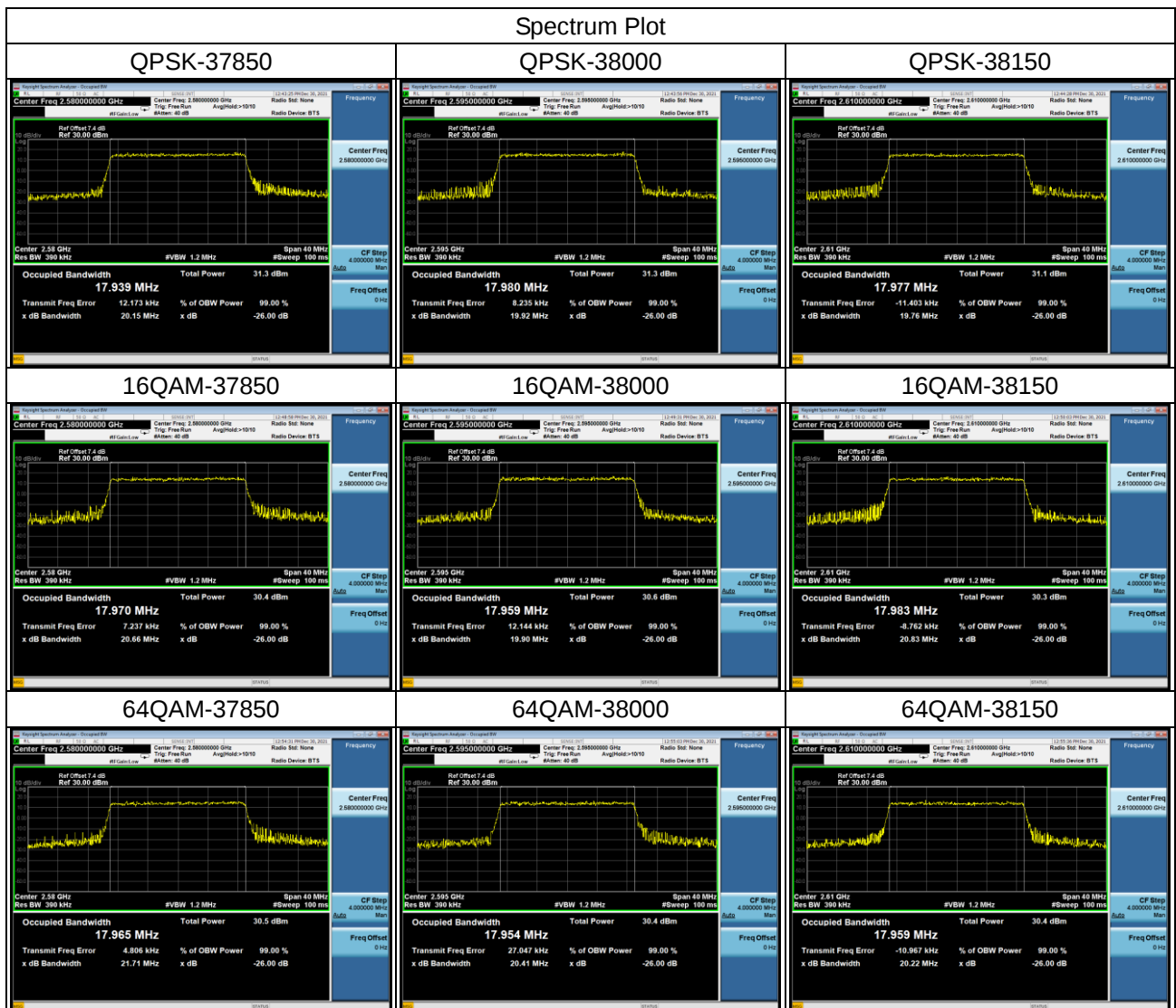
LTE Band 38_10MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
37800	2575	8.9830	8.9594	8.9821	10.04	9.917	10.04
38000	2595	8.9780	9.0054	8.9656	10.07	10.12	9.922
38200	2615	9.0237	8.9905	8.9878	9.891	10.84	10.19



LTE Band 38_15MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
37825	2577.5	13.475	13.444	13.453	15.13	15.12	14.93
38000	2595	13.456	13.447	13.445	15.22	15.47	15.17
38175	2612.5	13.433	13.490	13.468	15.08	15.01	15.71



LTE Band 38_20MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
37850	2580	17.939	17.970	17.965	20.15	20.66	21.71
38000	2595	17.980	17.959	17.954	19.92	19.90	20.41
38150	2610	17.977	17.983	17.959	19.76	20.83	20.22



LTE Band 41_5MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
40065	2537.5	4.4941	4.4833	4.5096	4.956	4.956	5.049
40640	2595	4.5076	4.4936	4.4944	5.551	5.018	5.005
41215	2652.5	4.5039	4.5002	4.4935	5.734	5.125	5.203

