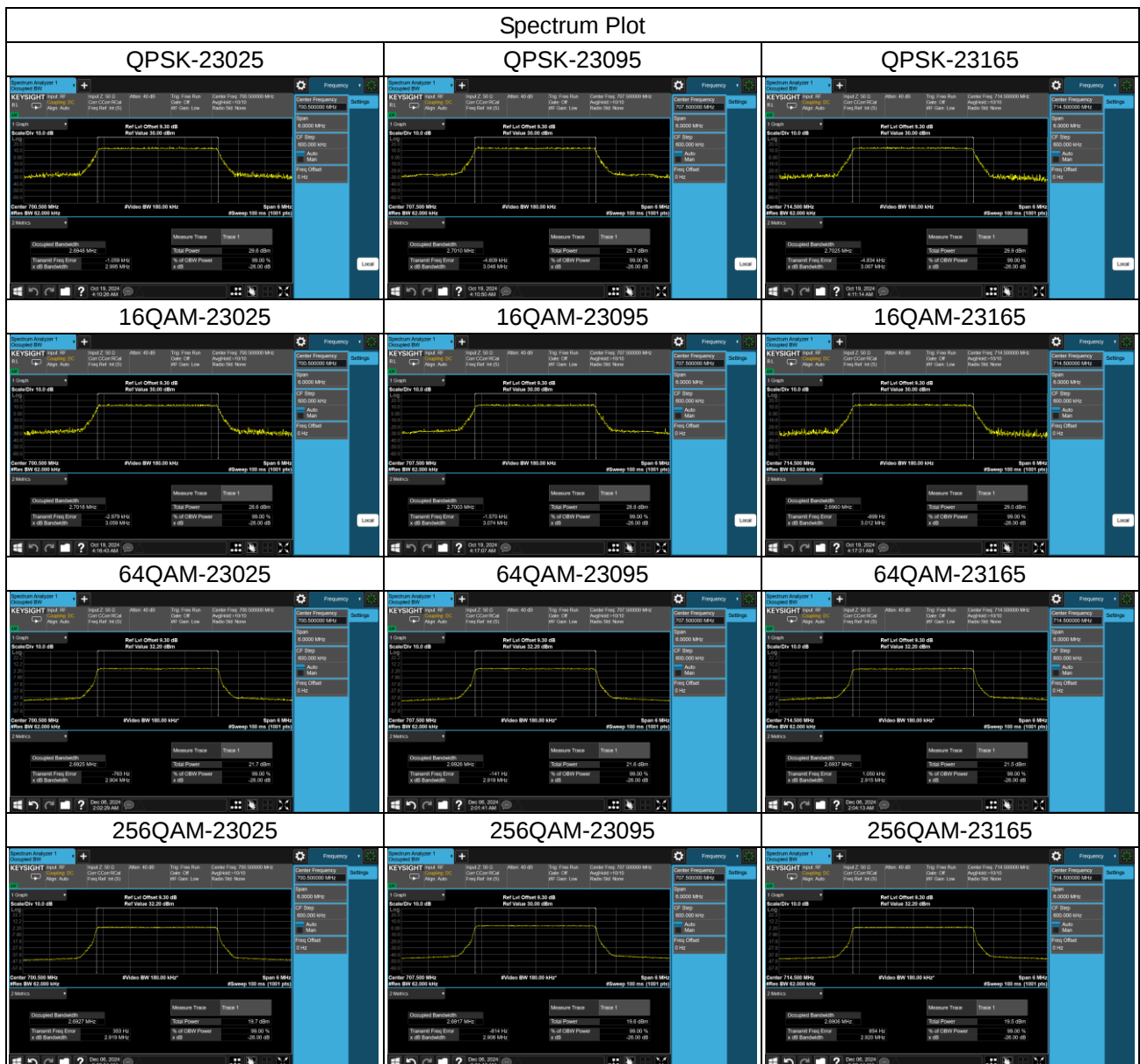
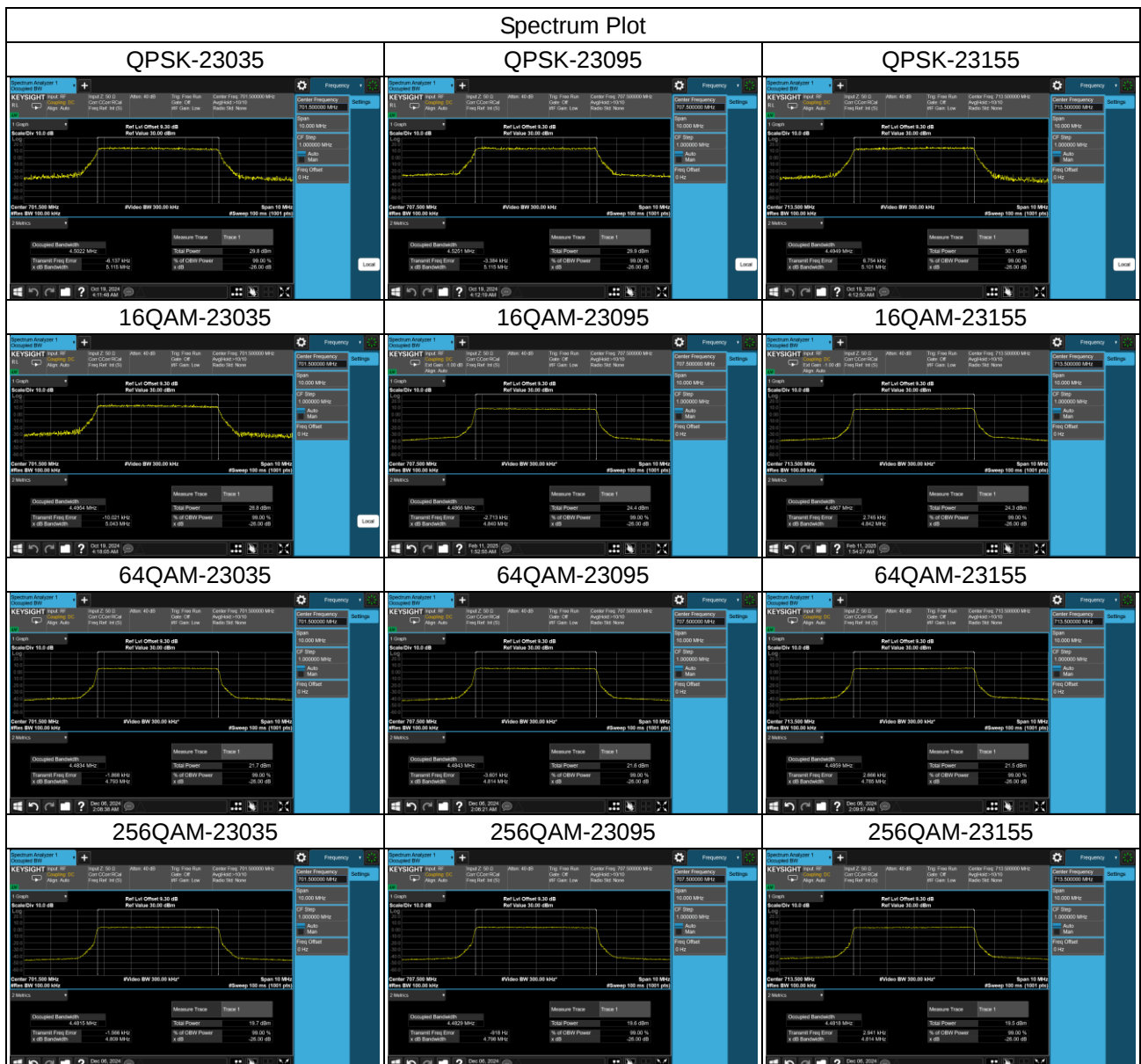


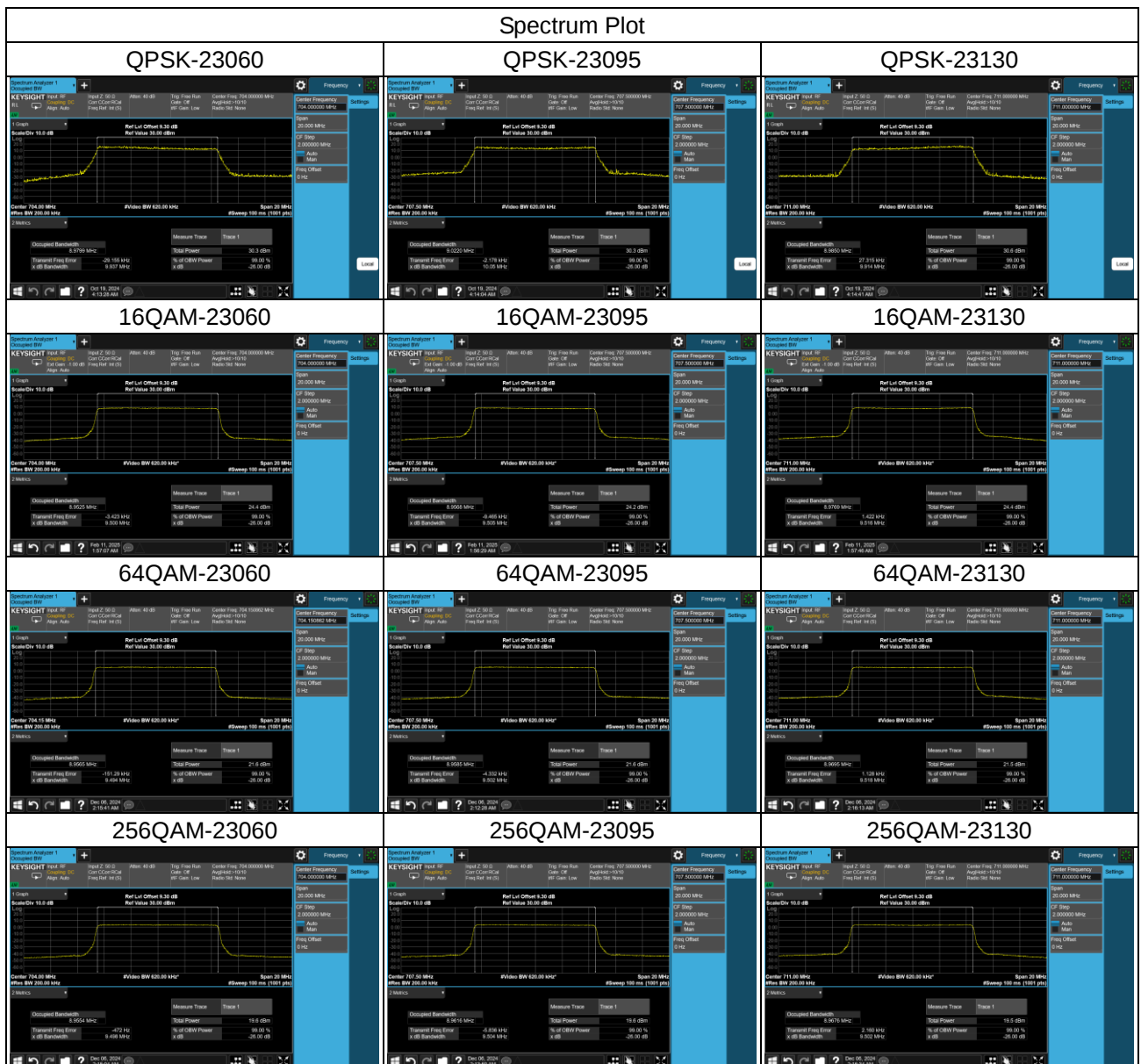
LTE Band 12_3MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
23025	700.5	2.6948	2.7018	2.6925	2.6927	2.995	3.059	2.904	2.919
23095	707.5	2.7010	2.7003	2.6926	2.6917	3.046	3.074	2.918	2.906
23165	714.5	2.7025	2.6960	2.6937	2.6906	3.067	3.012	2.915	2.920



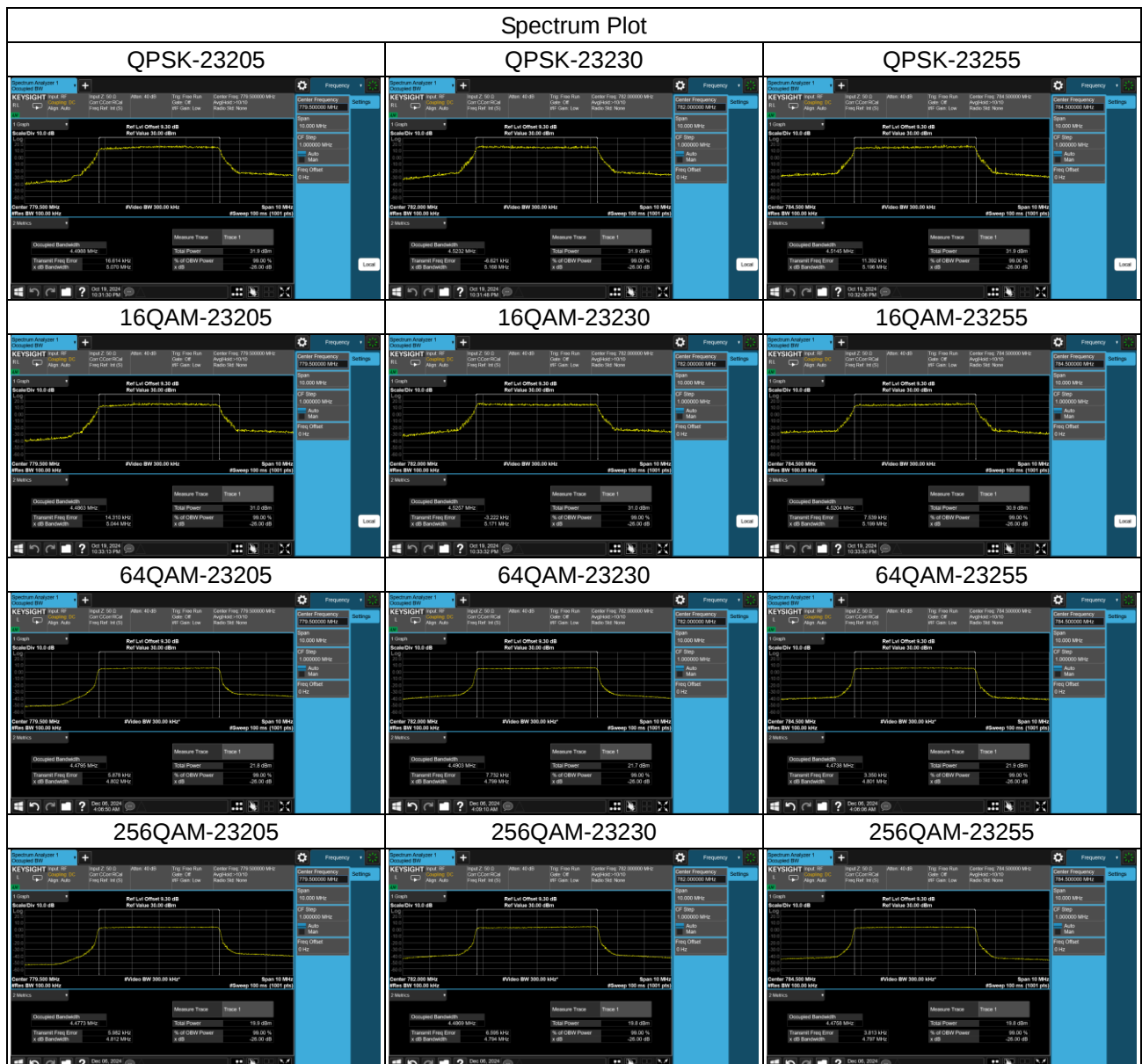
LTE Band 12_5MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
23035	701.5	4.5022	4.4954	4.4834	4.4815	5.115	5.043	4.793	4.809
23095	707.5	4.5251	4.4866	4.4843	4.4829	5.115	4.840	4.814	4.798
23155	713.5	4.4949	4.4867	4.4859	4.4818	5.101	4.842	4.785	4.814



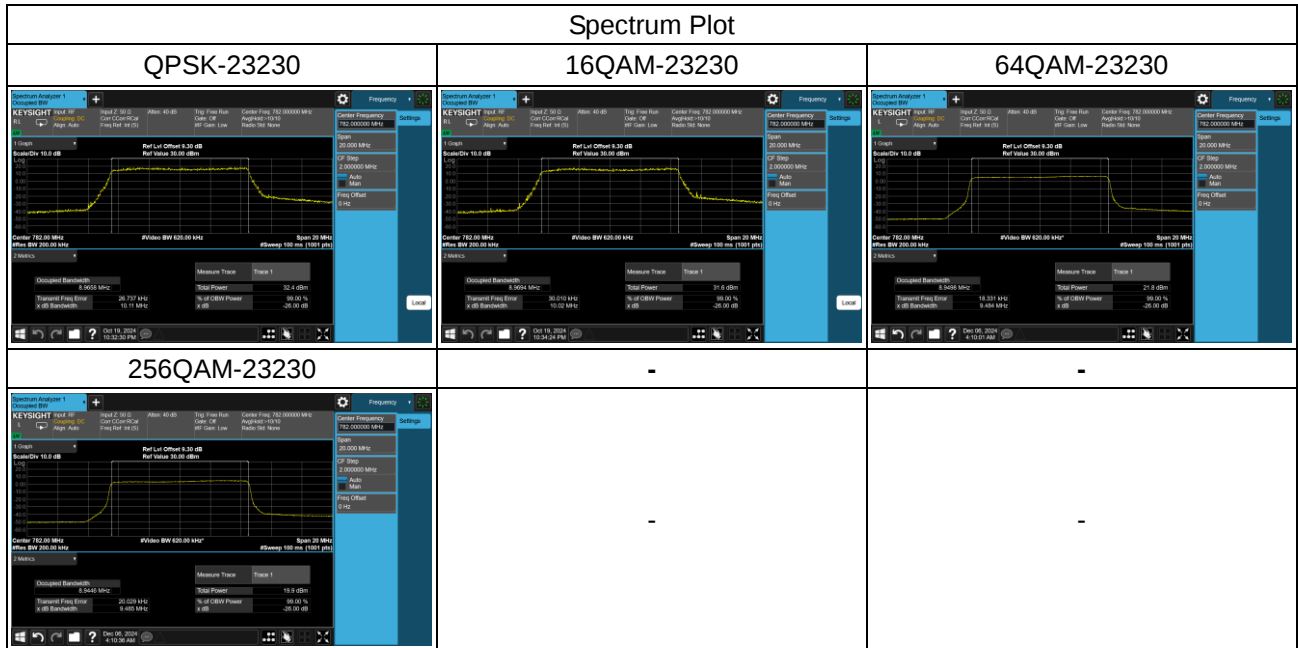
LTE Band 12_10MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
23060	704.0	8.9799	8.9525	8.9565	8.9554	9.937	9.500	9.494	9.498
23095	707.5	9.0220	8.9568	8.9585	8.9616	10.05	9.505	9.502	9.504
23130	711.0	8.9850	8.9769	8.9695	8.9676	9.914	9.516	9.518	9.502



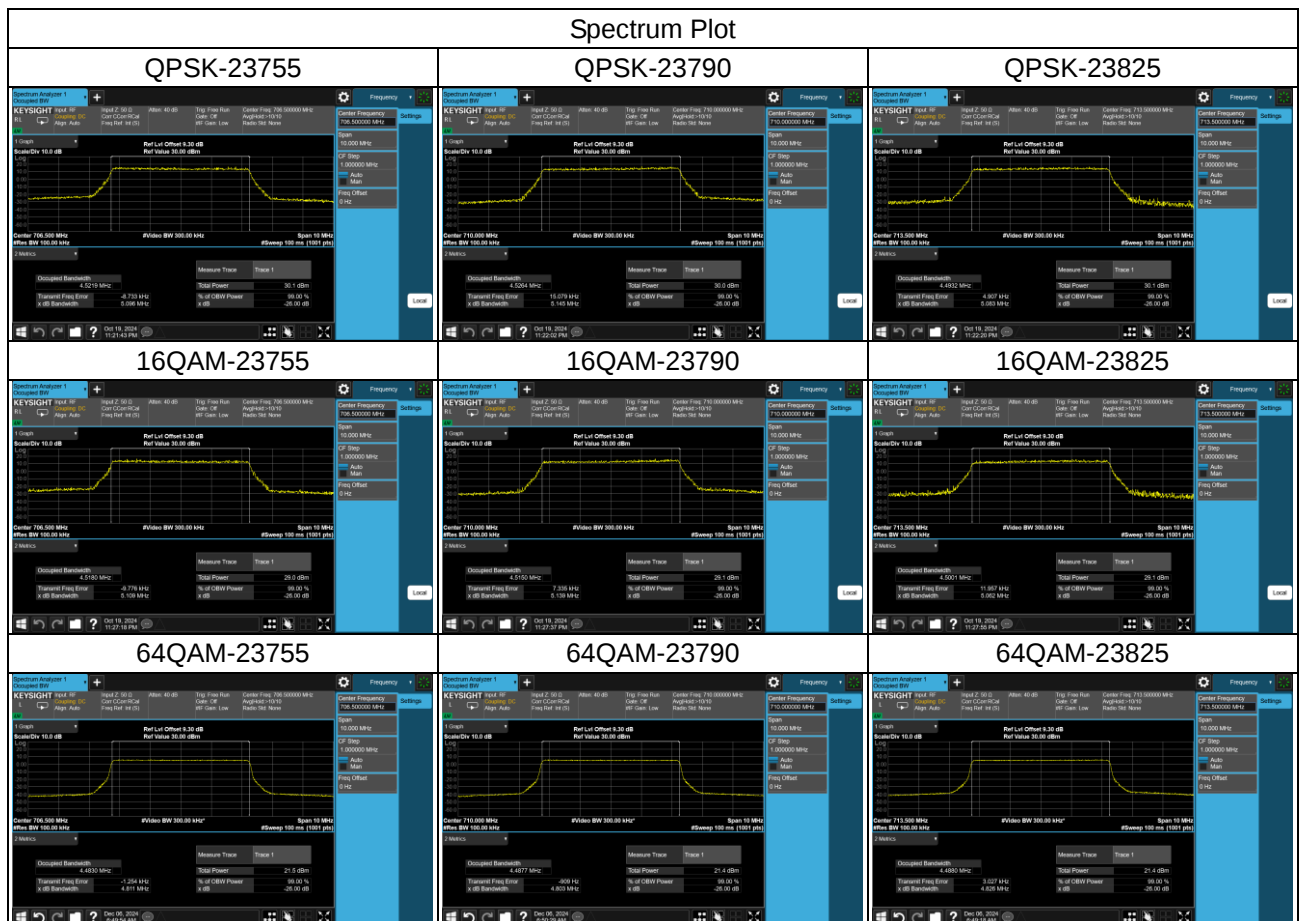
LTE Band 13_5MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
23205	779.5	4.4988	4.4863	4.4795	4.4773	5.070	5.044	4.802	4.812
23230	782.0	4.5232	4.5257	4.4903	4.4869	5.168	5.171	4.799	4.794
23255	784.5	4.5145	4.5204	4.4738	4.4758	5.196	5.199	4.801	4.797



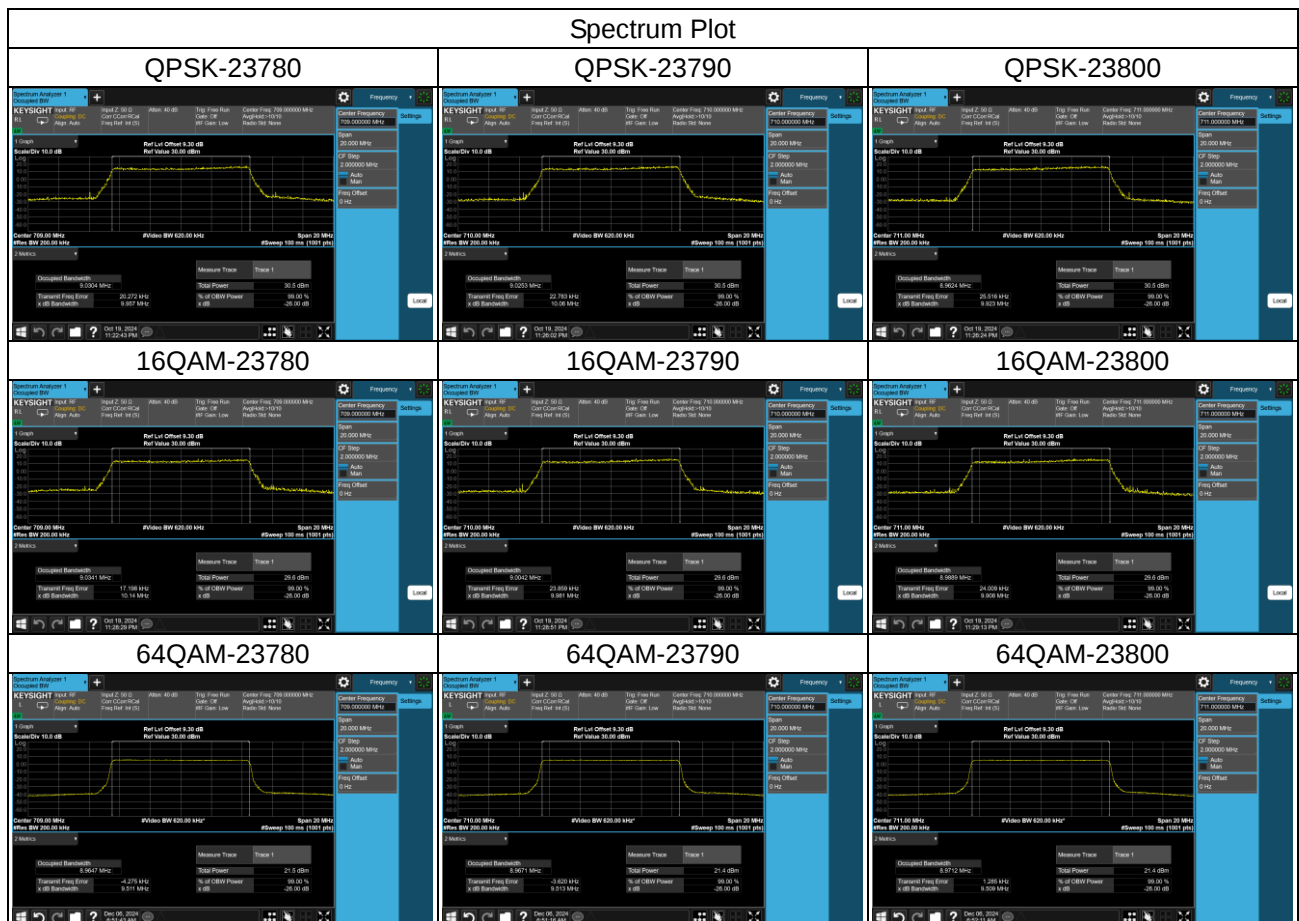
LTE Band 13_10MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
23230	782.0	8.9658	8.9694	8.9498	8.9446	10.11	10.02	9.484	9.485



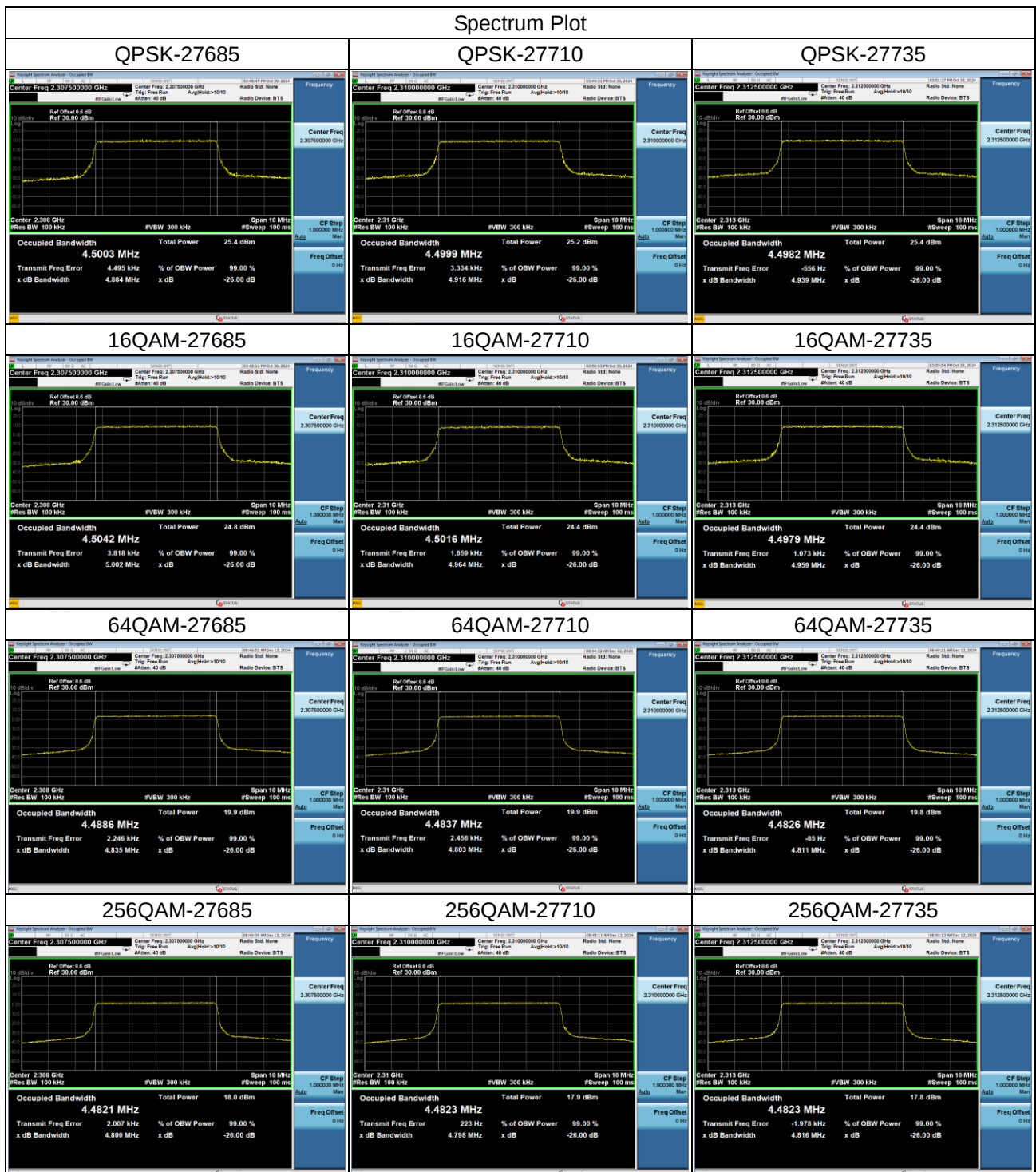
LTE Band 17_5MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23755	706.5	4.5219	4.5180	4.4830	5.096	5.109	4.811
23790	710	4.5264	4.5150	4.4877	5.145	5.139	4.803
23825	713.5	4.4932	4.5001	4.4880	5.083	5.062	4.826



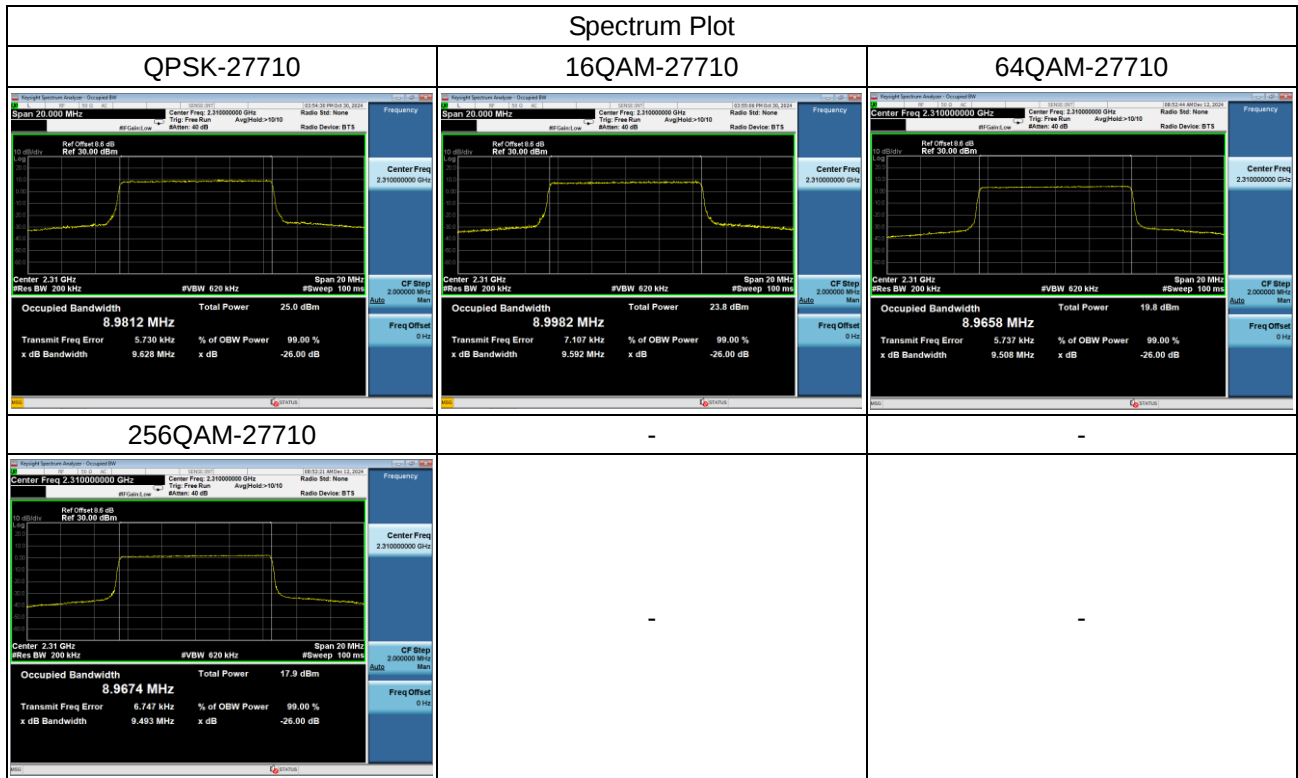
LTE Band 17_10MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23780	709	9.0304	9.0341	8.9647	9.957	10.14	9.511
23790	710	9.0253	9.0042	8.9671	10.06	9.981	9.513
23800	711	8.9624	8.9889	8.9712	9.923	9.908	9.509



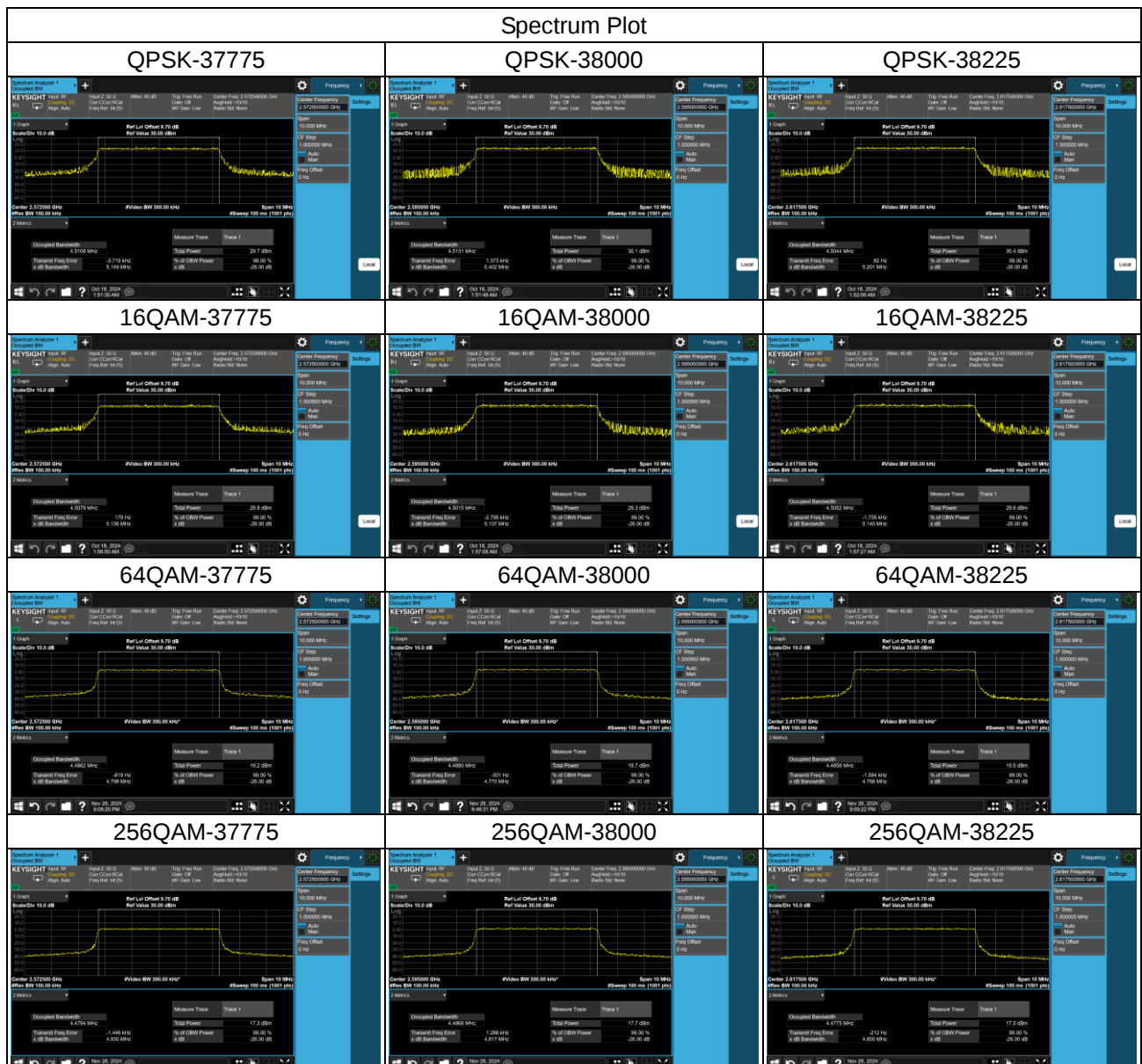
LTE Band 30_5MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
27685	2307.5	4.5003	4.5042	4.4886	4.4821	4.884	5.002	4.835	4.800
27710	2310	4.4999	4.5016	4.4837	4.4823	4.916	4.964	4.803	4.798
27735	2312.5	4.4982	4.4979	4.4826	4.4823	4.939	4.959	4.811	4.816



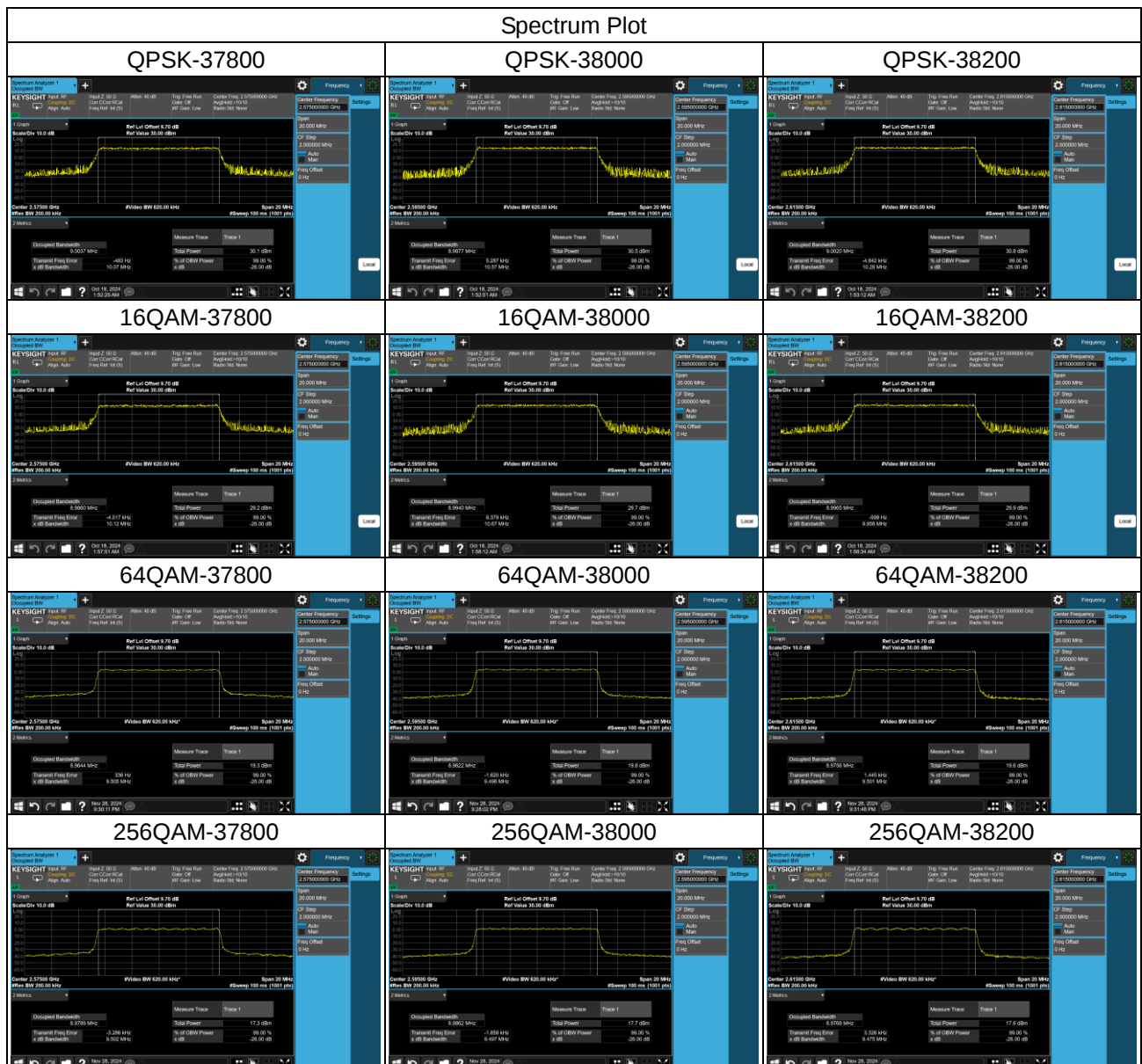
LTE Band 30_10MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
27710	2310	8.9812	8.9982	8.9658	8.9674	9.628	9.592	9.508	9.493



LTE Band 38_5MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
37775	2572.5	4.5108	4.5079	4.4862	4.4794	5.149	5.136	4.798	4.830
38000	2595	4.5131	4.5015	4.4880	4.4868	5.402	5.137	4.770	4.817
38225	2617.5	4.5044	4.5052	4.4858	4.4775	5.201	5.140	4.788	4.800



LTE Band 38_10MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
37800	2575	9.0037	8.9860	8.9644	8.9789	10.07	10.12	9.505	9.502
38000	2595	8.9877	8.9940	8.9622	8.9862	10.57	10.67	9.496	9.497
38200	2615	9.0020	8.9965	8.9756	8.9768	10.28	9.958	9.501	9.475



LTE Band 38_15MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
37825	2577.5	13.449	13.494	13.481	13.427	15.15	15.10	14.23	14.22
38000	2595	13.497	13.464	13.455	13.467	15.71	15.67	14.23	14.20
38175	2612.5	13.498	13.456	13.468	13.473	14.83	14.92	14.23	14.21

