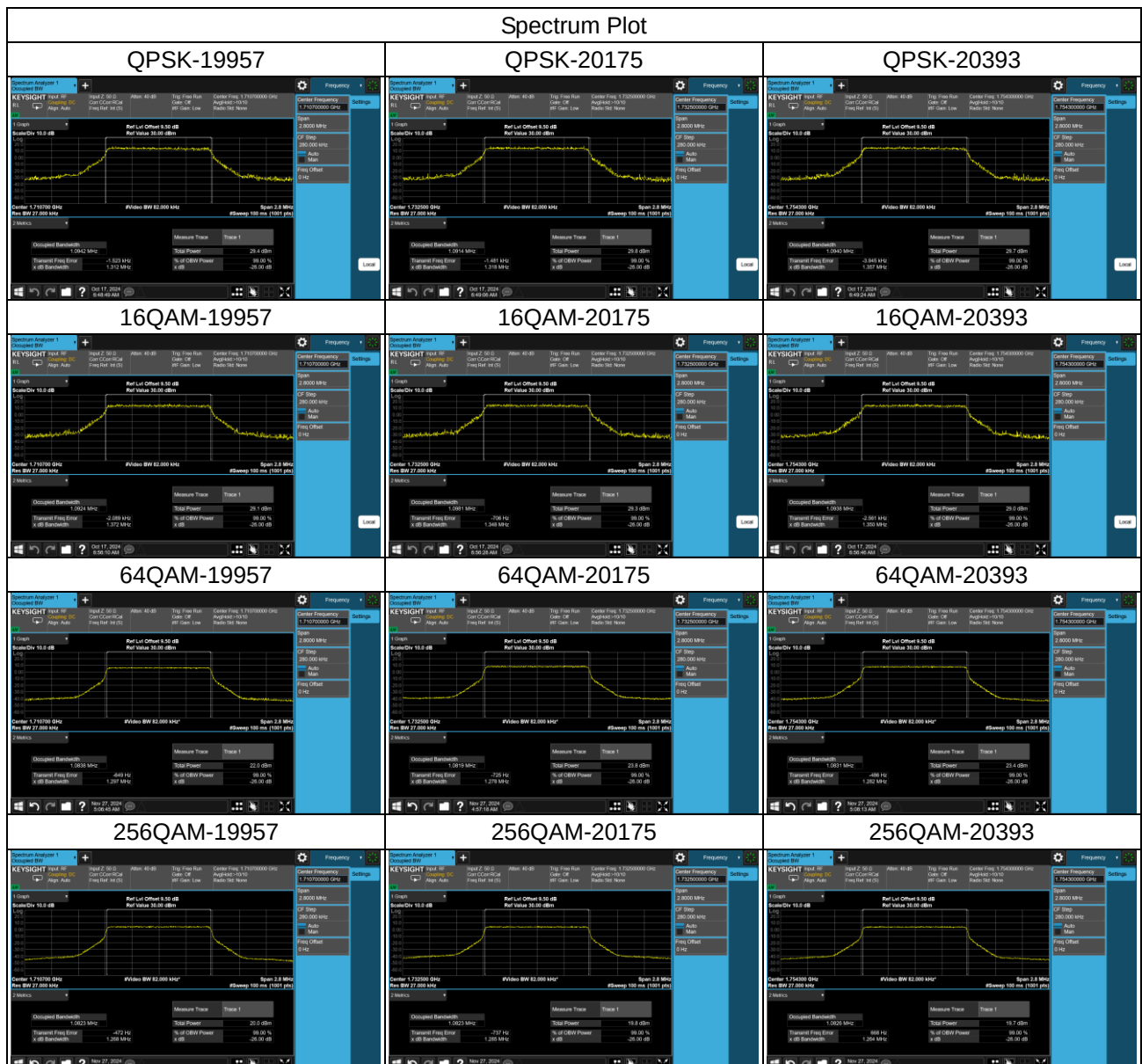
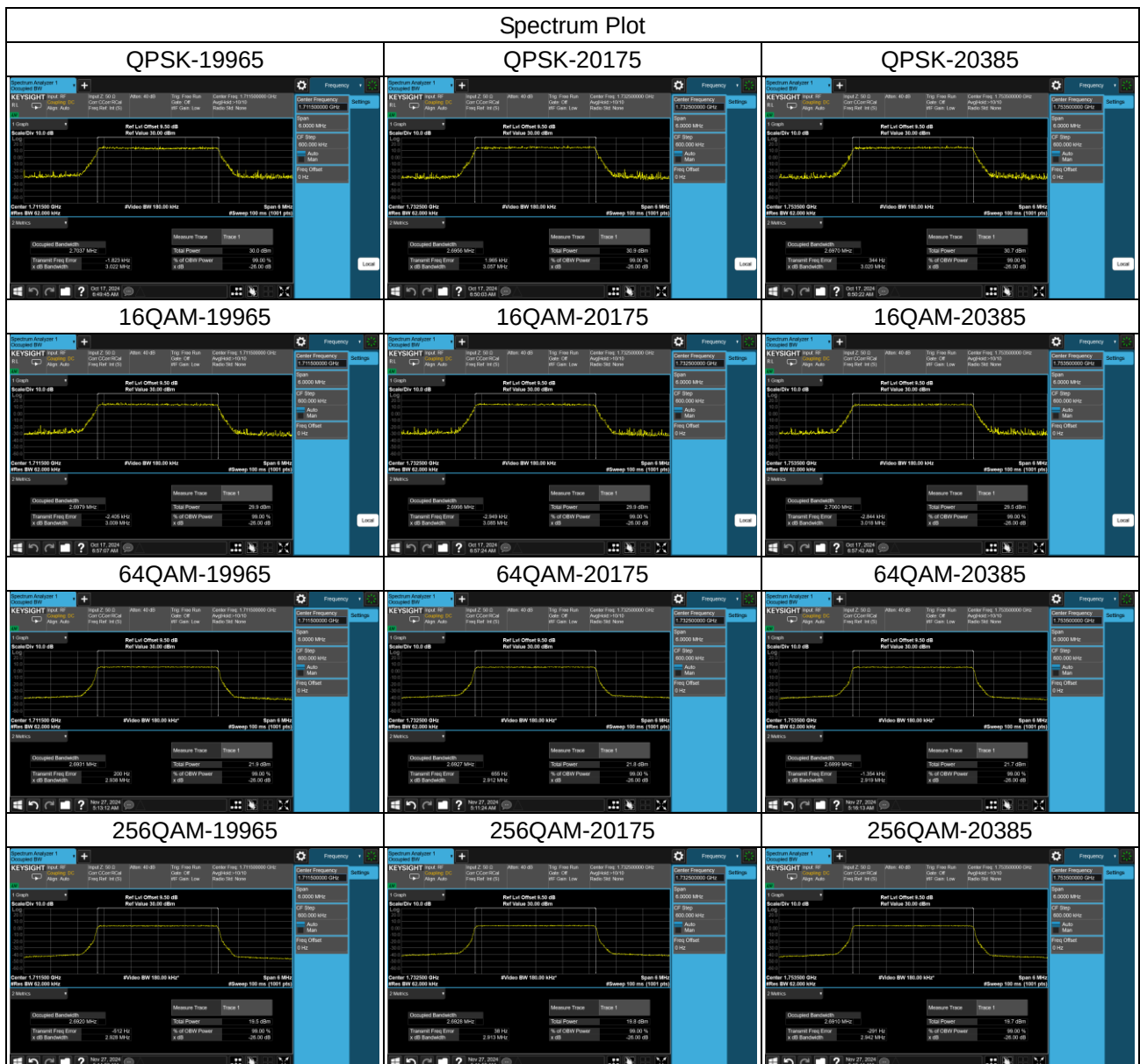


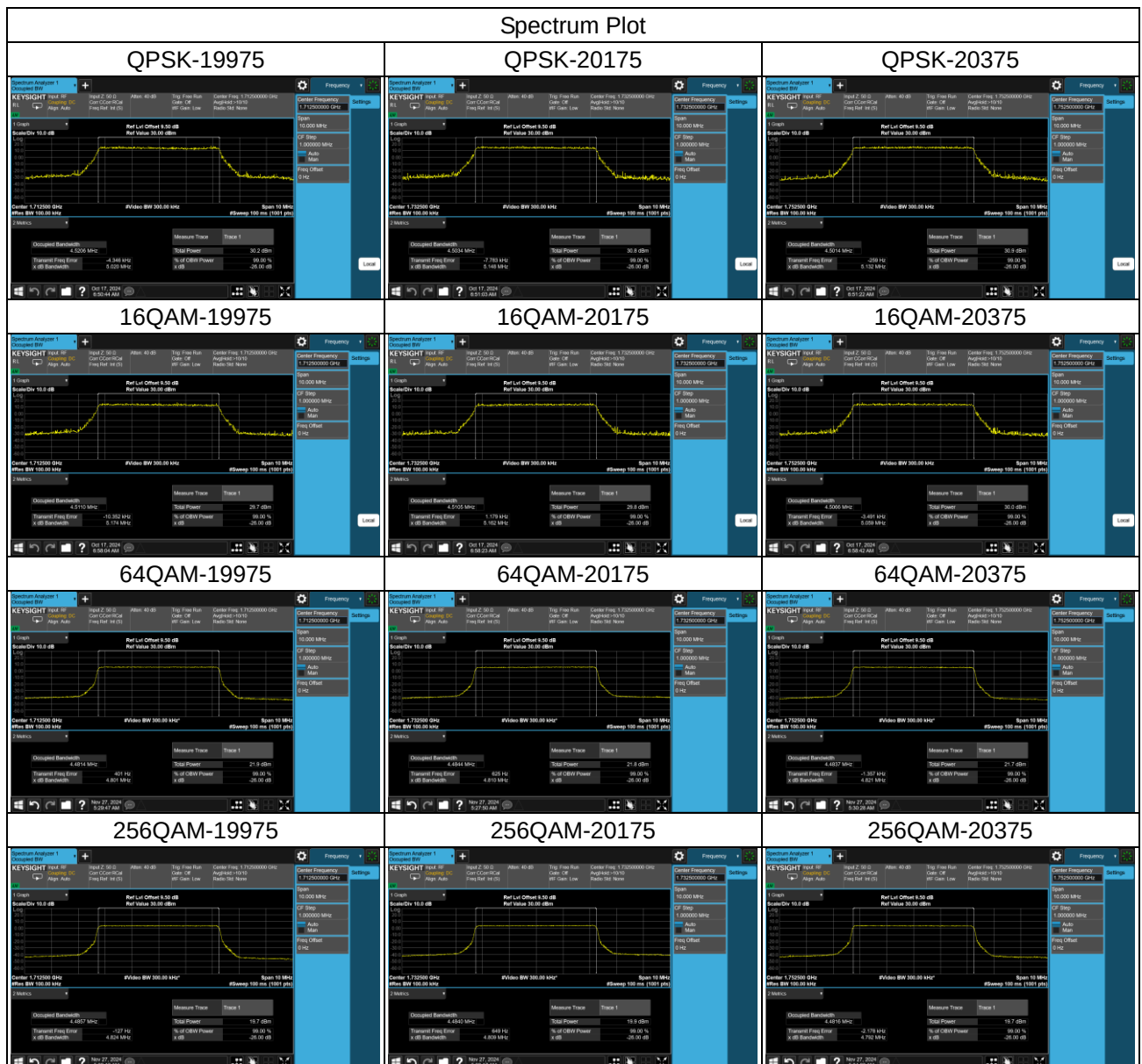
LTE Band 4_1.4MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
19957	1710.7	1.0942	1.0924	1.0838	1.0823	1.312	1.372	1.297	1.268
20175	1732.5	1.0914	1.0981	1.0819	1.0823	1.318	1.348	1.278	1.285
20393	1754.3	1.0940	1.0938	1.0831	1.0826	1.357	1.350	1.282	1.264



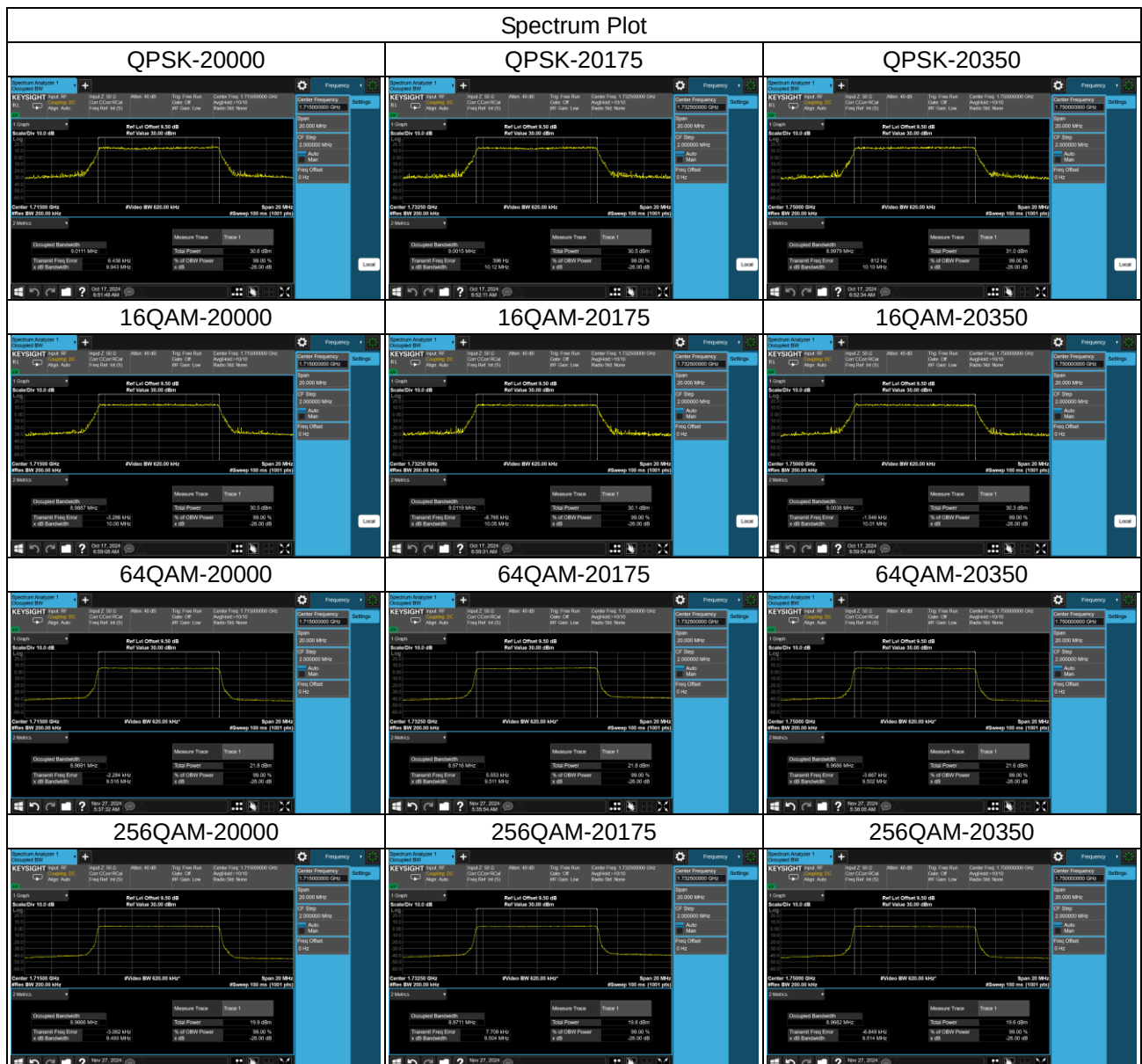
LTE Band 4_3MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
19965	1711.5	2.7037	2.6979	2.6931	2.6920	3.022	3.009	2.938	2.928
20175	1732.5	2.6956	2.6998	2.6927	2.6928	3.057	3.085	2.912	2.913
20385	1753.5	2.6970	2.7060	2.6899	2.6910	3.020	3.018	2.919	2.942



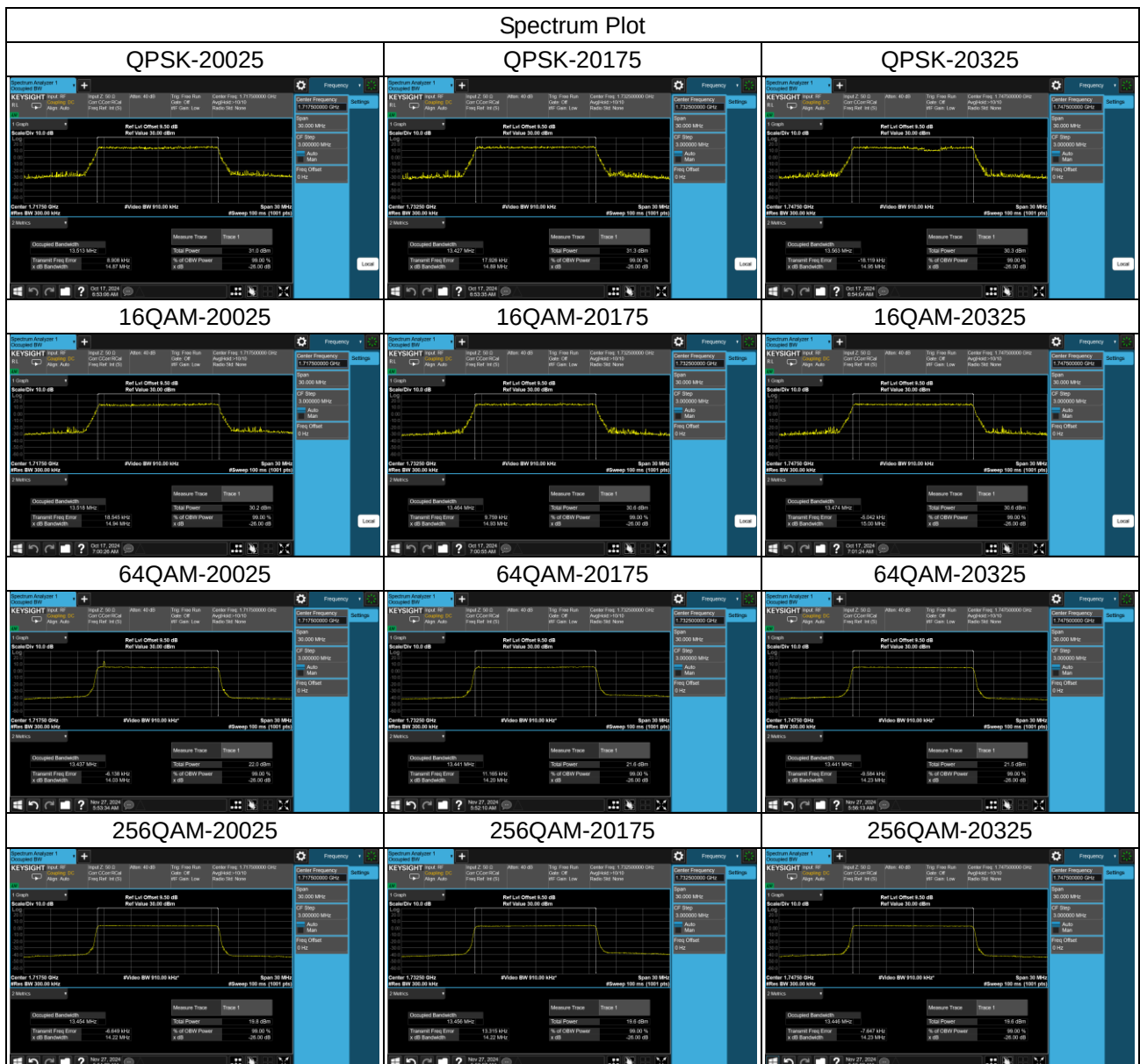
LTE Band 4_5MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
19975	1712.5	4.5206	4.5110	4.4814	4.4857	5.020	5.174	4.801	4.824
20175	1732.5	4.5034	4.5105	4.4844	4.4840	5.148	5.162	4.810	4.809
20375	1752.5	4.5014	4.5066	4.4837	4.4816	5.132	5.059	4.821	4.792



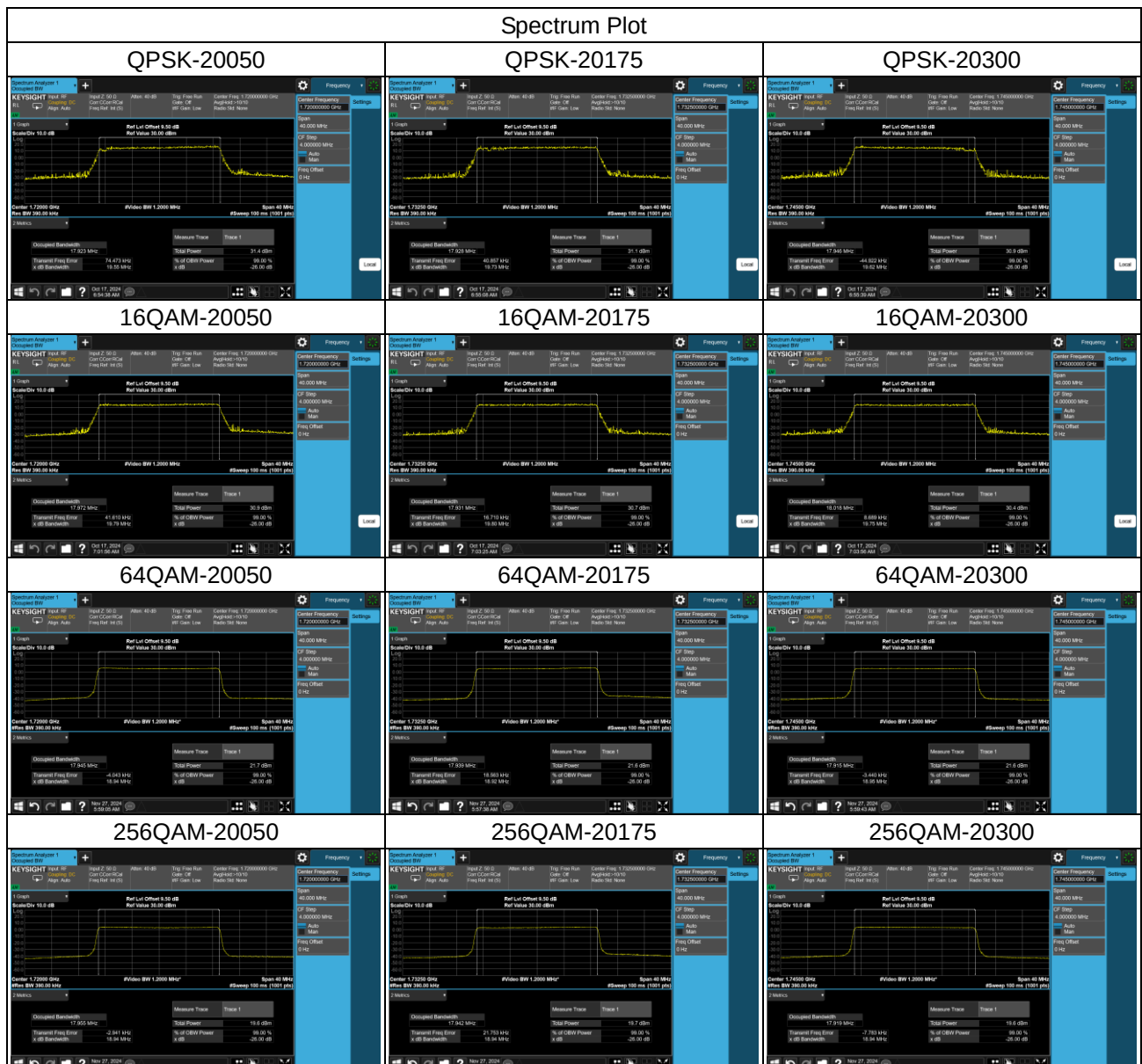
LTE Band 4_10MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20000	1715	9.0111	8.9887	8.9691	8.9666	9.943	10.00	9.516	9.493
20175	1732.5	9.0015	9.0119	8.9716	8.9711	10.12	10.05	9.511	9.504
20350	1715	8.9979	9.0038	8.9686	8.9682	10.10	10.01	9.502	9.514



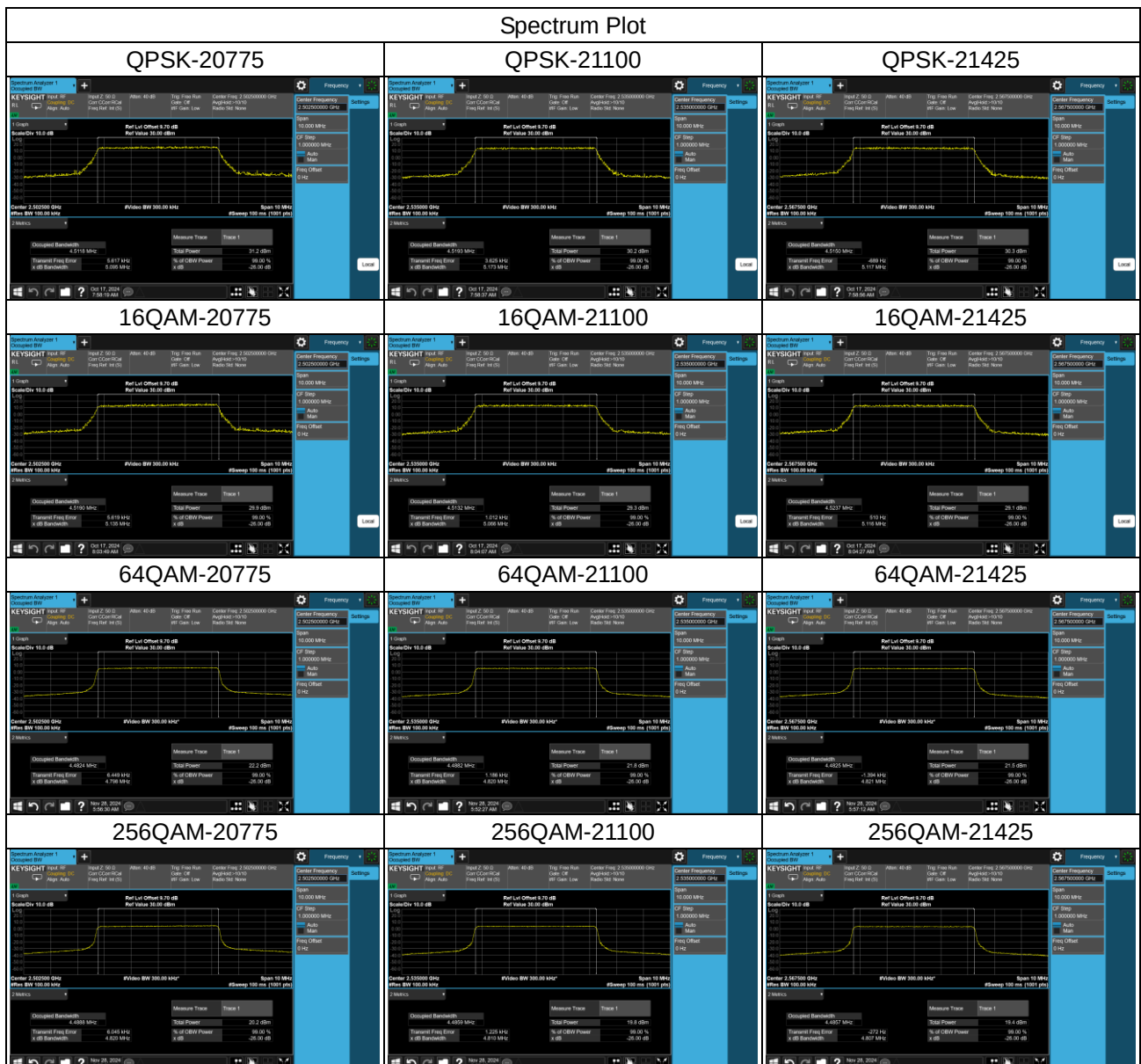
LTE Band 4_15MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20025	1717.5	13.513	13.518	13.437	13.454	14.87	14.94	14.03	14.22
20175	1732.5	13.427	13.464	13.441	13.456	14.89	14.93	14.20	14.22
20325	1747.5	13.563	13.474	13.441	13.446	14.95	15.00	14.23	14.23



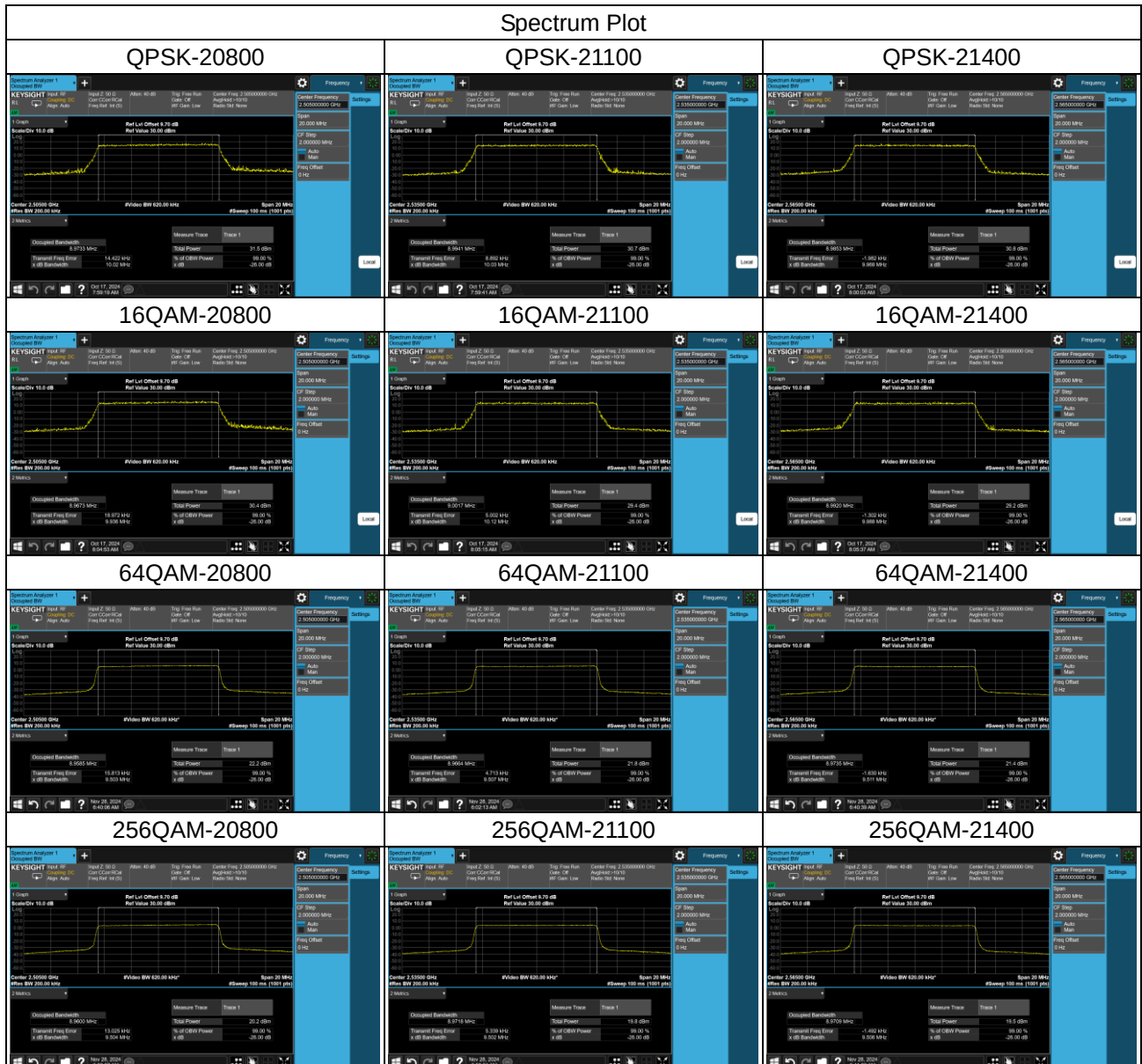
LTE Band 4_20MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20050	1720	17.923	17.972	17.945	17.955	19.55	19.79	18.94	18.94
20175	1732.5	17.928	17.931	17.939	17.942	19.73	19.80	18.92	18.94
20300	1740	17.946	18.018	17.915	17.919	19.62	19.75	18.95	18.94



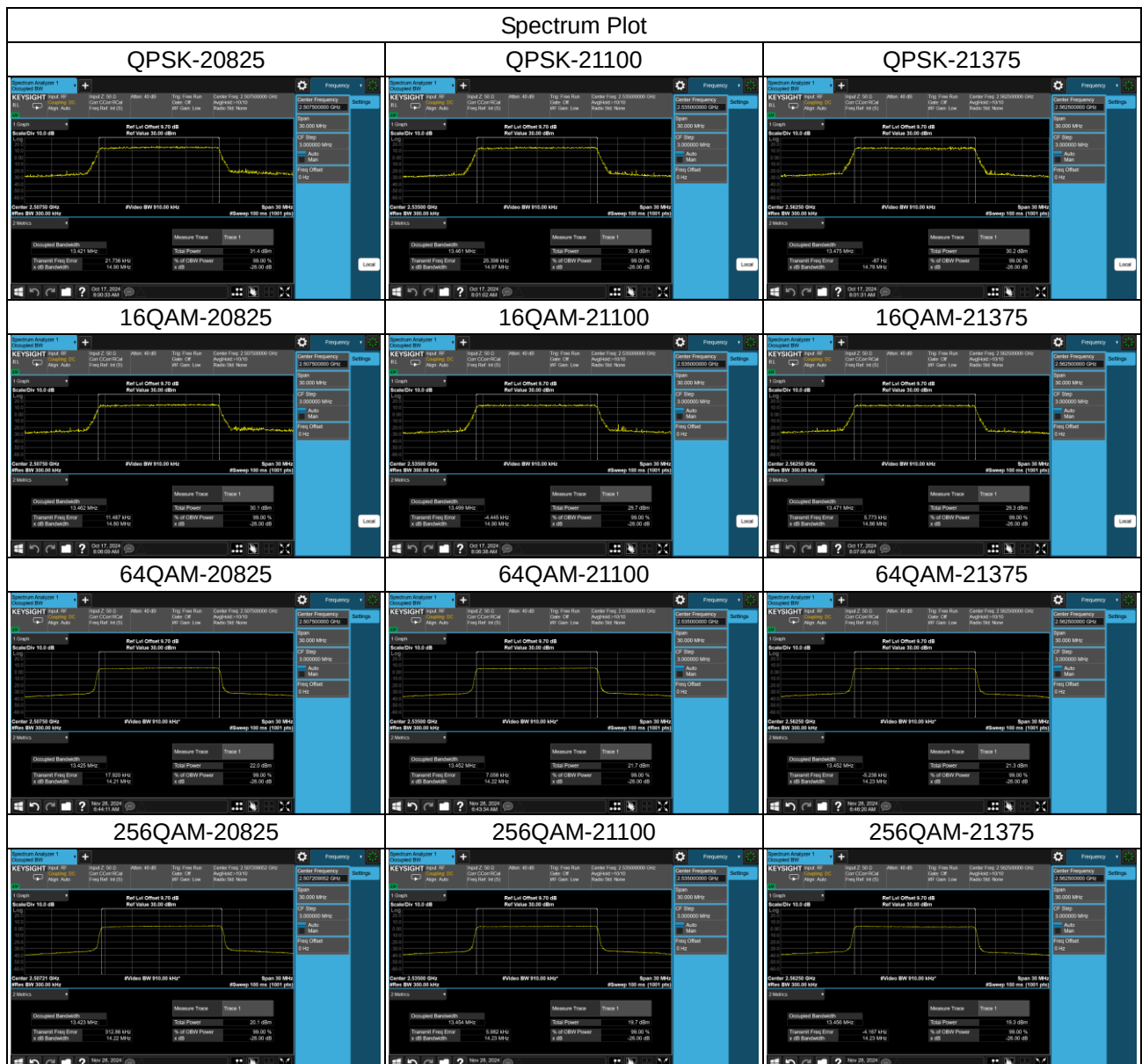
LTE Band 7_5MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20775	2502.5	4.5118	4.5190	4.4824	4.4888	5.095	5.135	4.798	4.820
21100	2535	4.5193	4.5132	4.4882	4.4859	5.173	5.066	4.820	4.810
21425	2567.5	4.5150	4.5237	4.4825	4.4857	5.117	5.116	4.821	4.807



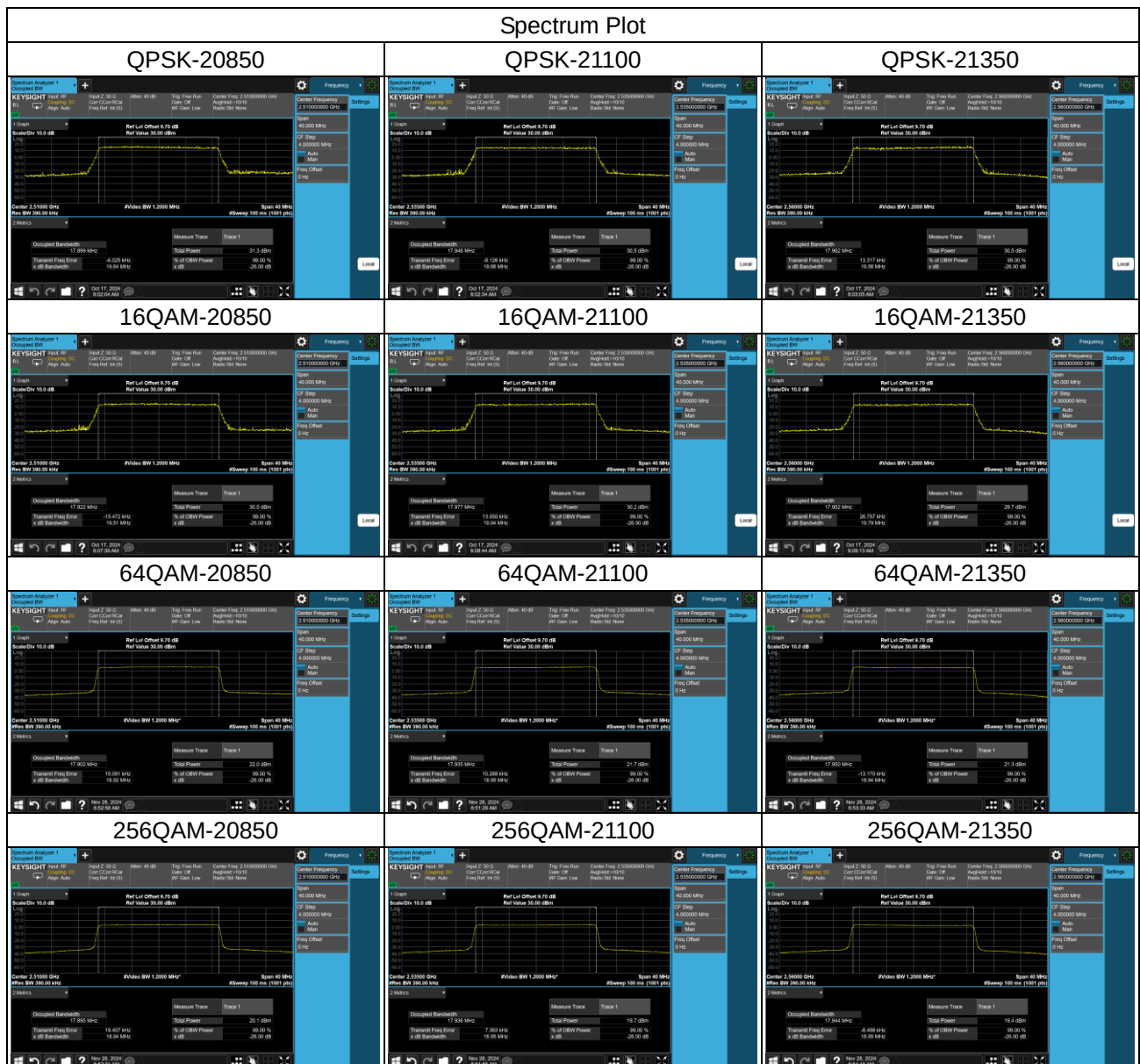
LTE Band 7_10MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20800	2505	8.9733	8.9673	8.9585	8.9600	10.02	9.936	9.503	9.504
21100	2535	8.9941	9.0017	8.9664	8.9718	10.03	10.12	9.507	9.502
21400	2565	8.9853	8.9920	8.9735	8.9709	9.968	9.888	9.511	9.506



LTE Band 7_15MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20825	2507.5	13.421	13.462	13.425	13.423	14.90	14.80	14.21	14.22
21100	2535	13.461	13.499	13.452	13.454	14.97	14.90	14.22	14.23
21375	2562.5	13.475	13.471	13.452	13.456	14.78	14.86	14.23	14.23



LTE Band 7_20MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20850	2510	17.899	17.922	17.902	17.895	19.64	19.51	18.92	18.94
21100	2535	17.946	17.977	17.935	17.936	19.66	19.94	18.95	18.95
21350	2560	17.962	17.952	17.950	17.944	19.56	19.79	18.94	18.95



LTE Band 12_1.4MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
23017	699.7	1.0951	1.0943	1.0811	1.0823	1.337	1.331	1.271	1.266
23095	707.5	1.0944	1.0948	1.0826	1.0813	1.312	1.355	1.267	1.270
23173	715.3	1.0992	1.0977	1.0834	1.0841	1.373	1.308	1.278	1.284

