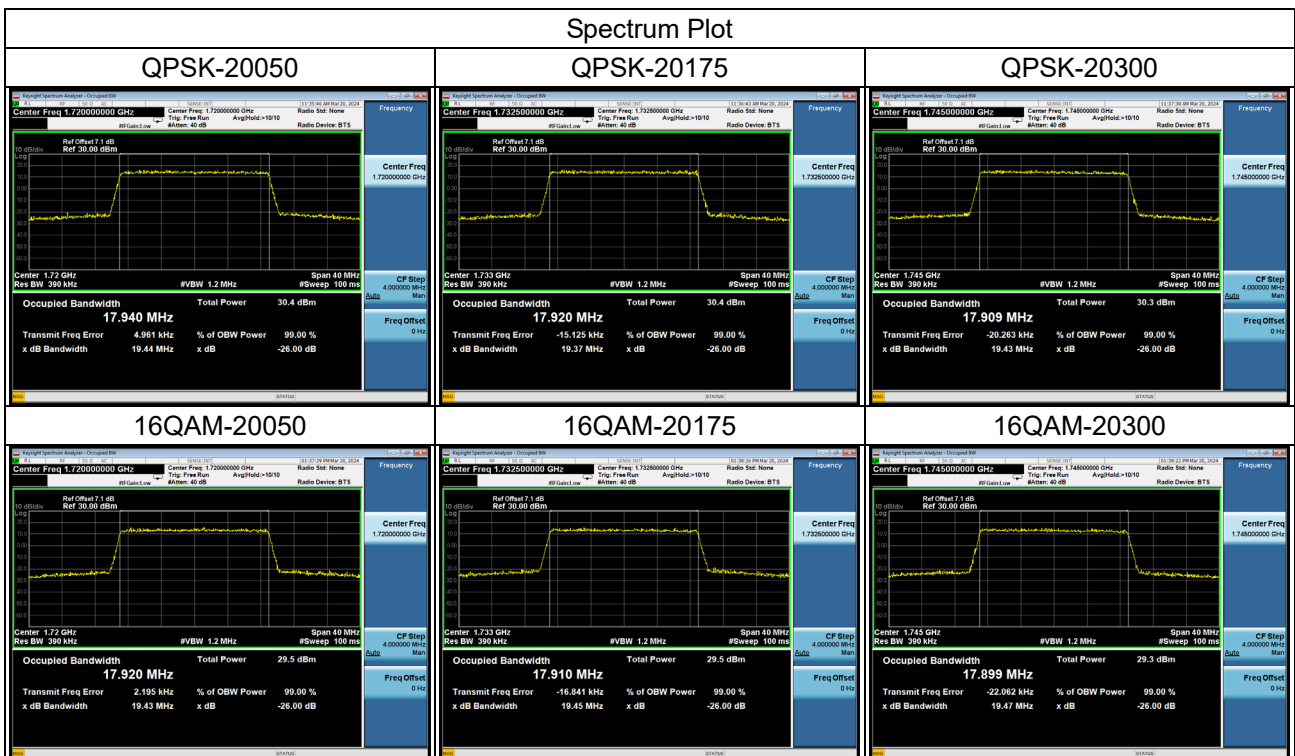
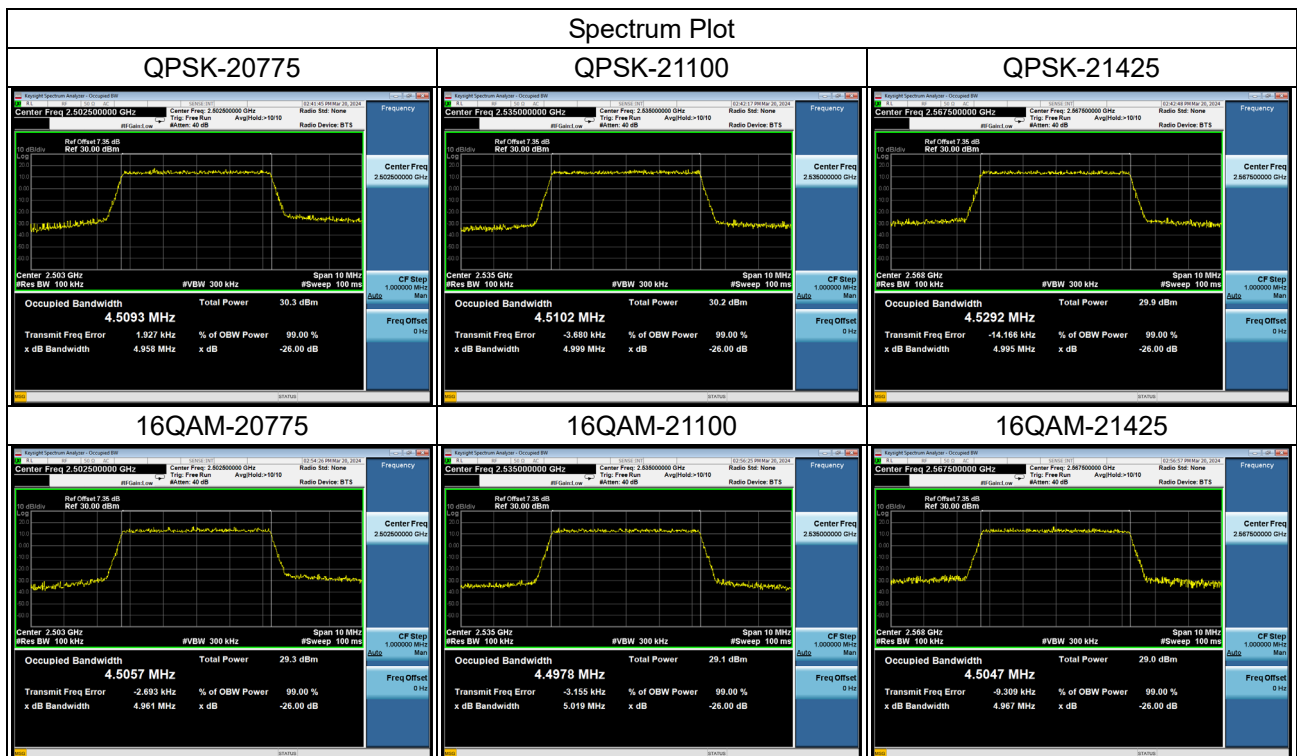


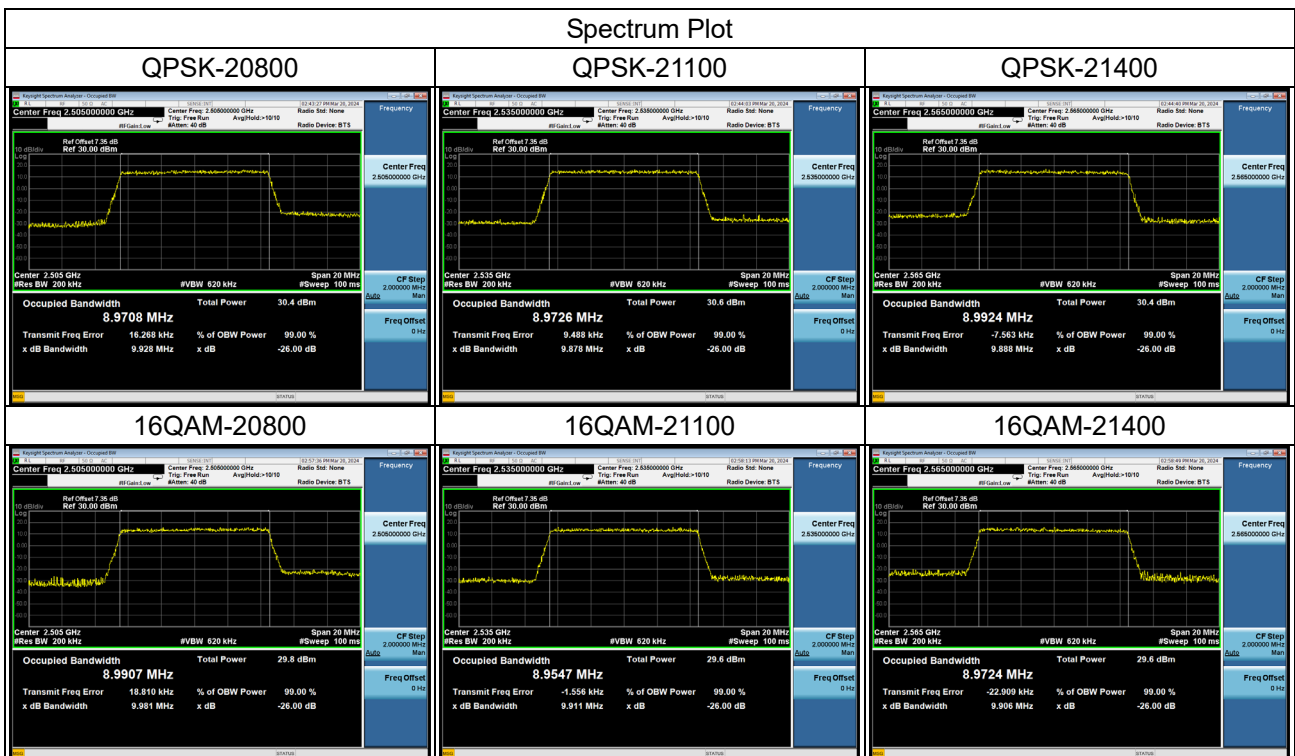
LTE Band 4_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20050	1720	17.940	17.920	19.44	19.43
20175	1732.5	17.920	17.910	19.37	19.45
20300	1740	17.909	17.899	19.43	19.47



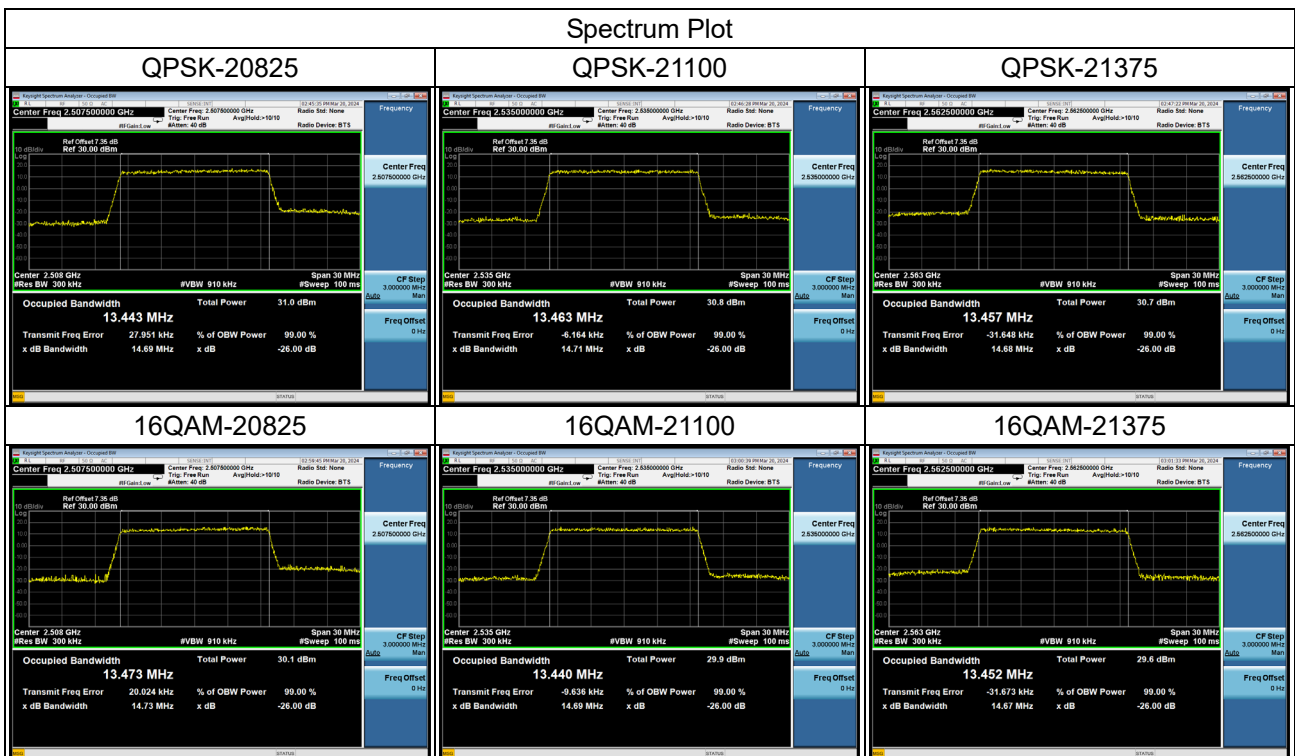
LTE Band 7_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20775	2502.5	4.5093	4.5057	4.958	4.961
21100	2535	4.5102	4.4978	4.999	5.019
21425	2567.5	4.5292	4.5047	4.995	4.967



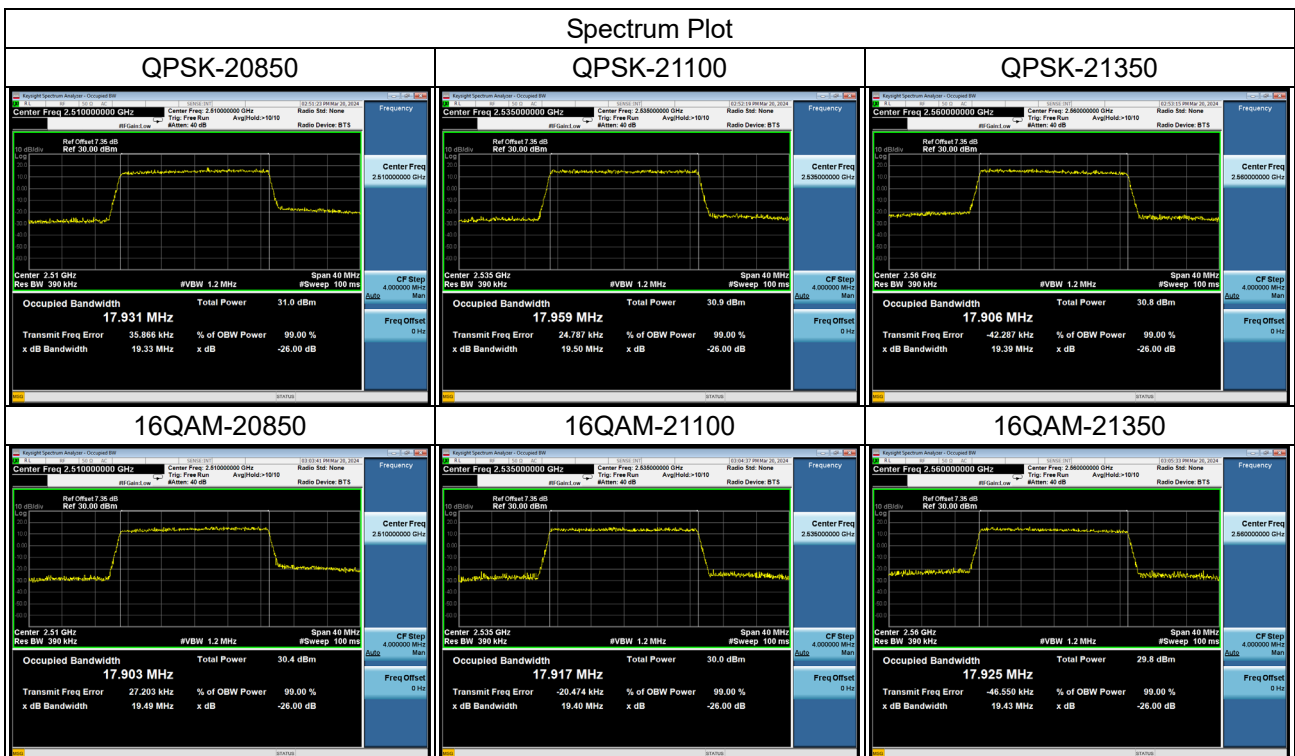
LTE Band 7_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20800	2505	8.9708	8.9907	9.928	9.981
21100	2535	8.9726	8.9547	9.878	9.911
21400	2565	8.9924	8.9724	9.888	9.906



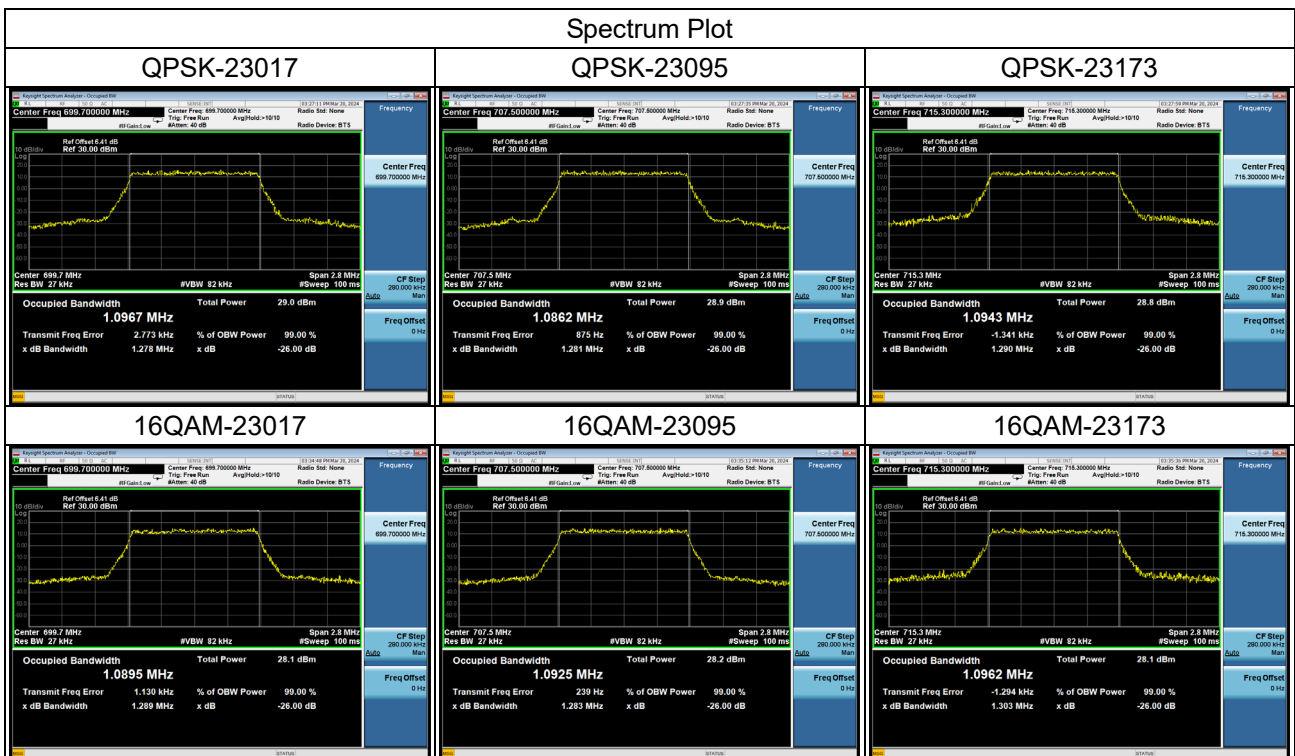
LTE Band 7_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20825	2507.5	13.443	13.473	14.69	14.73
21100	2535	13.463	13.440	14.71	14.69
21375	2562.5	13.457	13.452	14.68	14.67



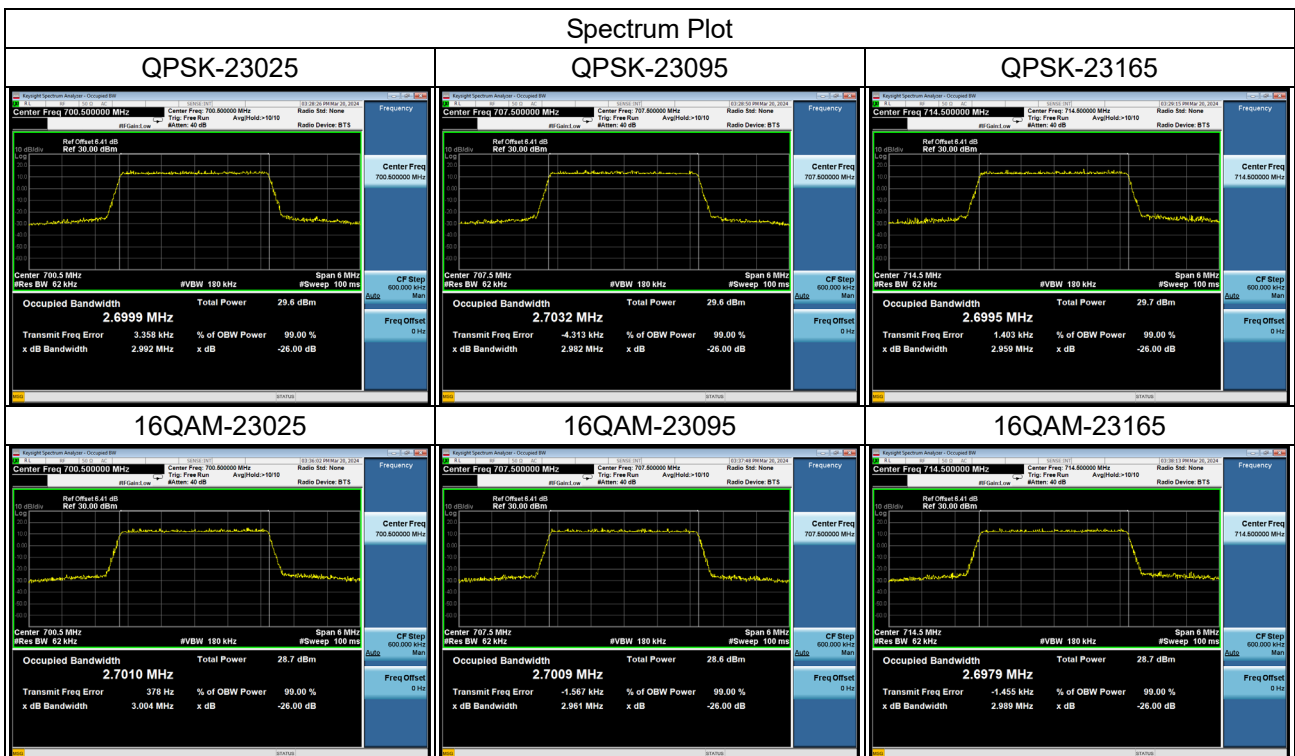
LTE Band 7_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20850	2510	17.931	17.903	19.33	19.49
21100	2535	17.959	17.917	19.50	19.40
21350	2560	17.906	17.925	19.39	19.43



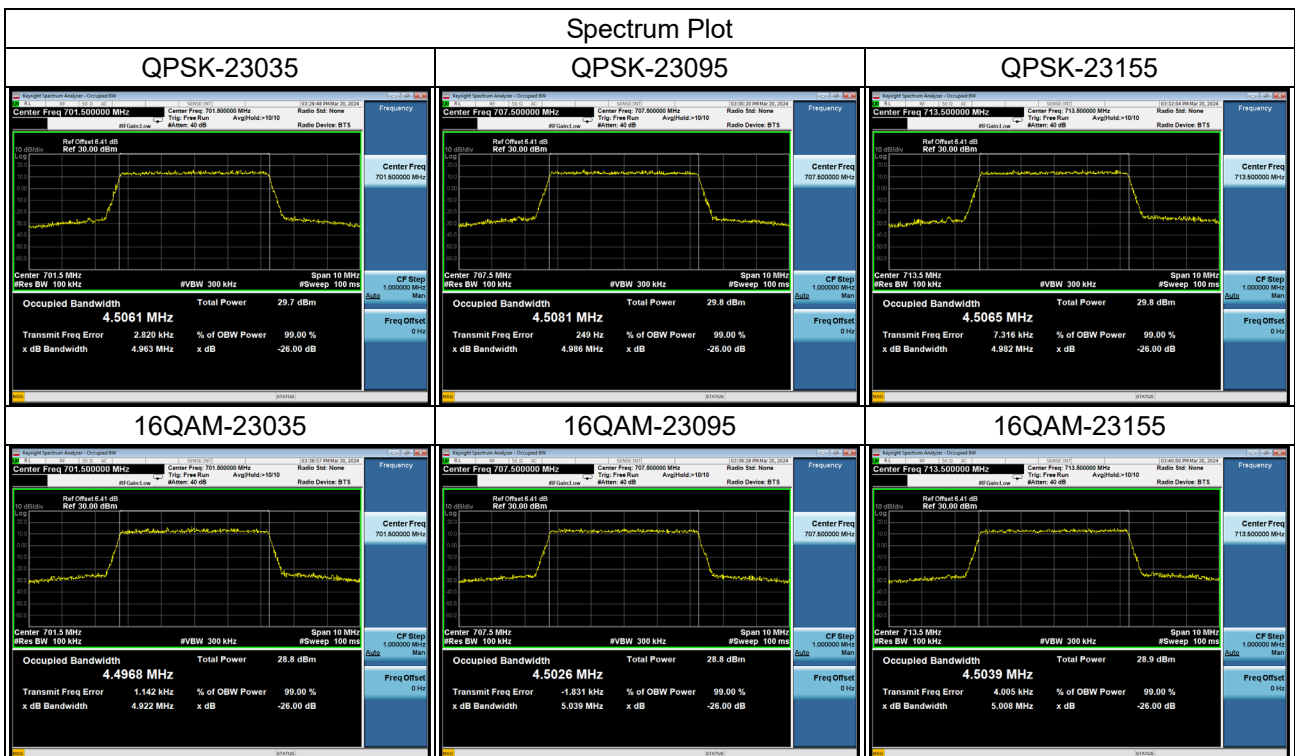
LTE Band 12_1.4MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23017	699.7	1.0967	1.0895	1.278	1.289
23095	707.5	1.0862	1.0925	1.281	1.283
23173	715.3	1.0943	1.0962	1.290	1.303



LTE Band 12_3MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23025	700.5	2.6999	2.7010	2.992	3.004
23095	707.5	2.7032	2.7009	2.982	2.961
23165	714.5	2.6995	2.6979	2.959	2.989



LTE Band 12_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23035	701.5	4.5061	4.4968	4.963	4.922
23095	707.5	4.5081	4.5026	4.986	5.039
23155	713.5	4.5065	4.5039	4.982	5.008



LTE Band 12_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23060	704.0	8.9644	8.9732	9.902	9.846
23095	707.5	8.9833	8.9857	9.952	9.858
23130	711.0	9.0115	8.9804	9.937	9.891

