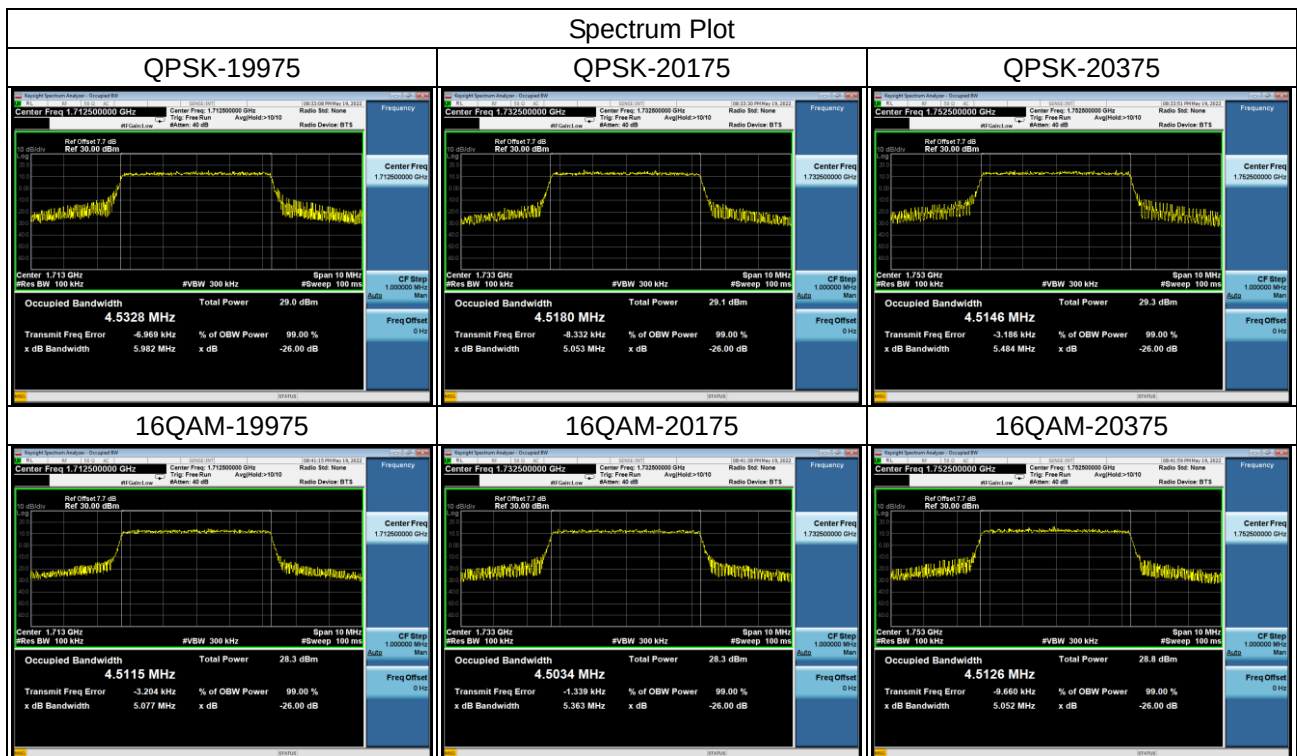
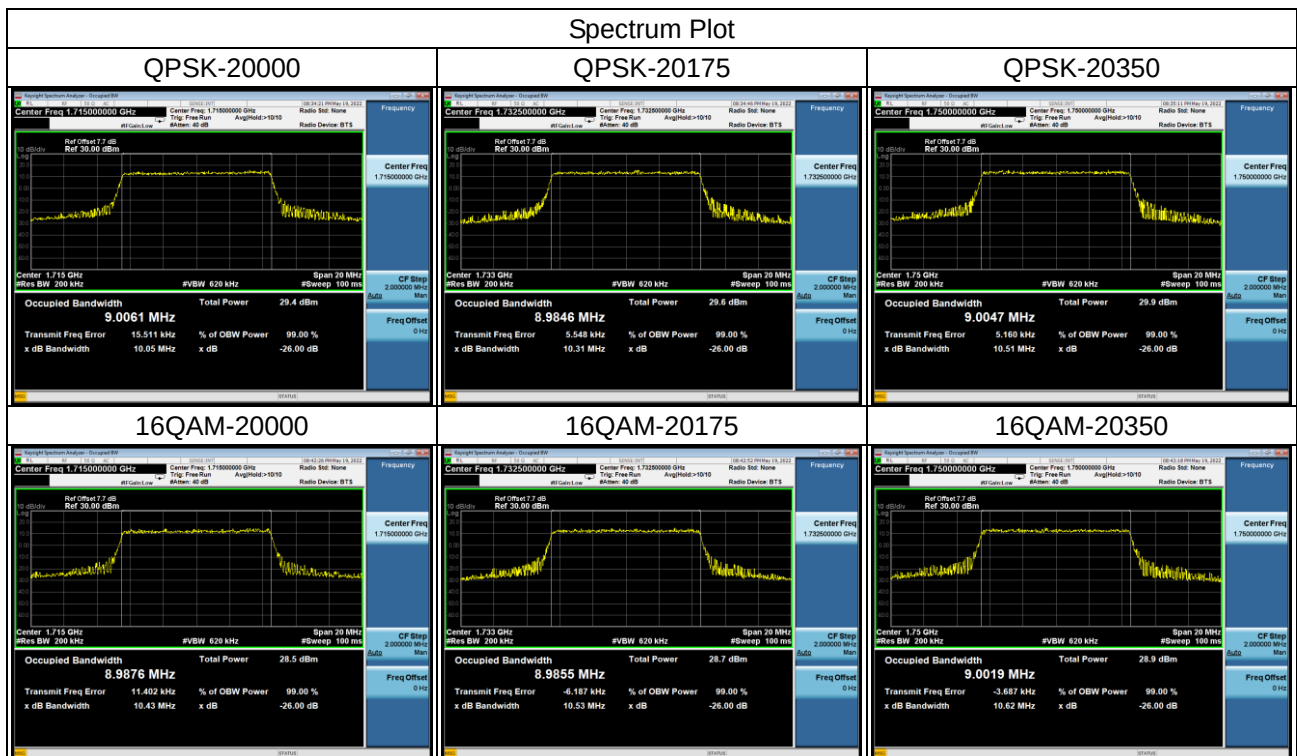


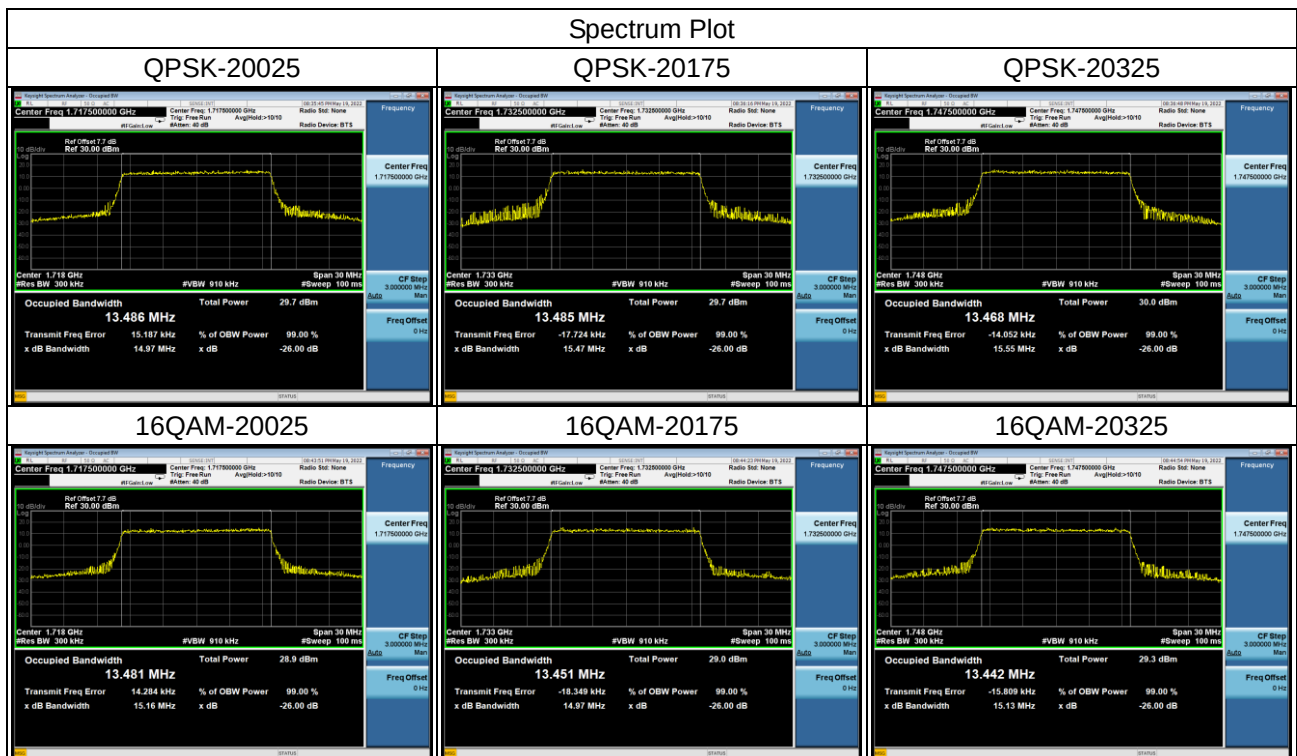
LTE Band 4_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
19975	1712.5	4.5328	4.5115	5.982	5.077
20175	1732.5	4.5180	4.5034	5.053	5.363
20375	1752.5	4.5146	4.5126	5.484	5.052



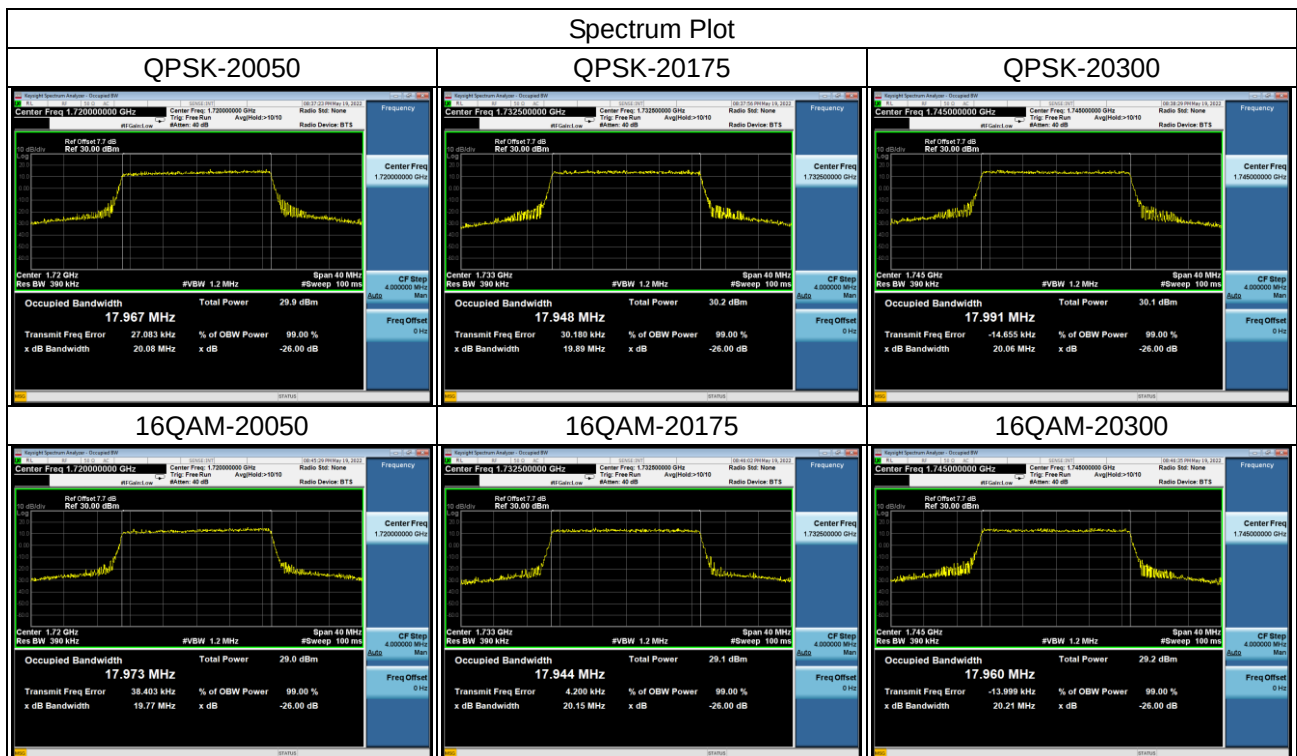
LTE Band 4_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20000	1715	9.0061	8.9876	10.05	10.43
20175	1732.5	8.9846	8.9855	10.31	10.53
20350	1715	9.0047	9.0019	10.51	10.62



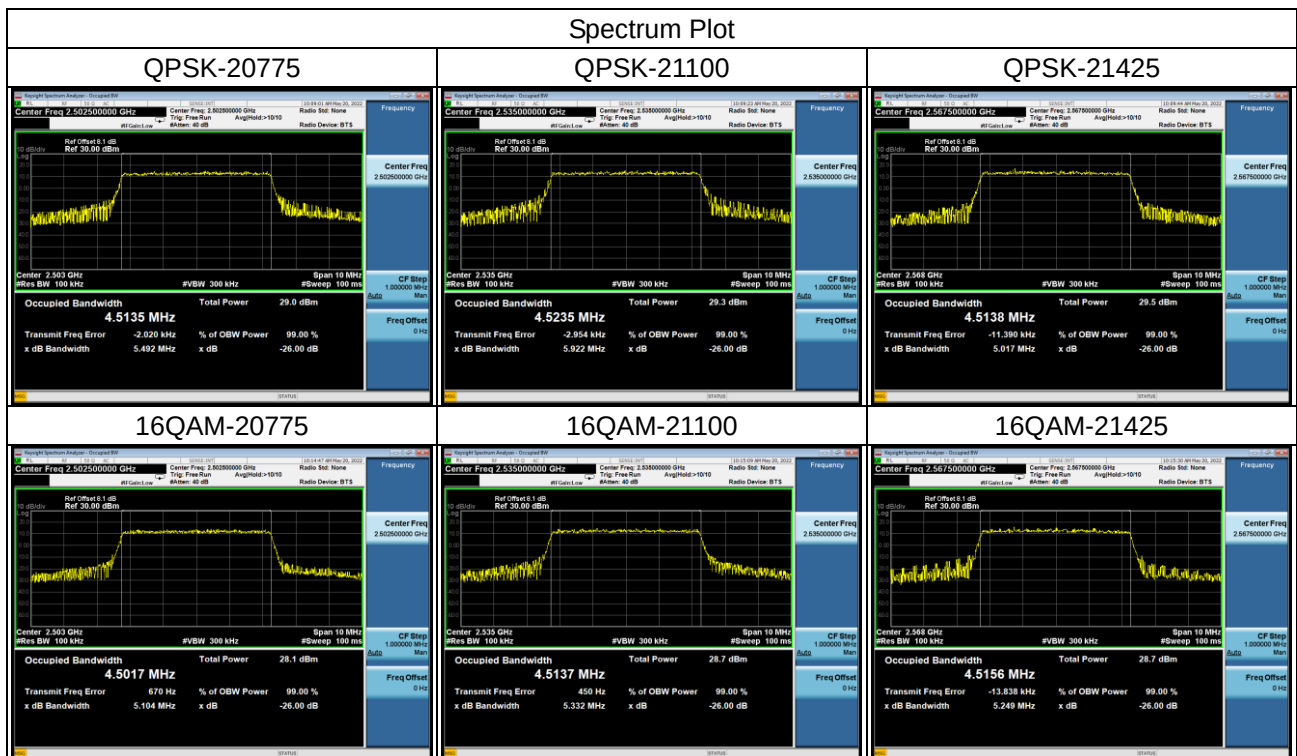
LTE Band 4_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20025	1717.5	13.486	13.481	14.97	15.16
20175	1732.5	13.485	13.451	15.47	14.97
20325	1747.5	13.468	13.442	15.55	15.13



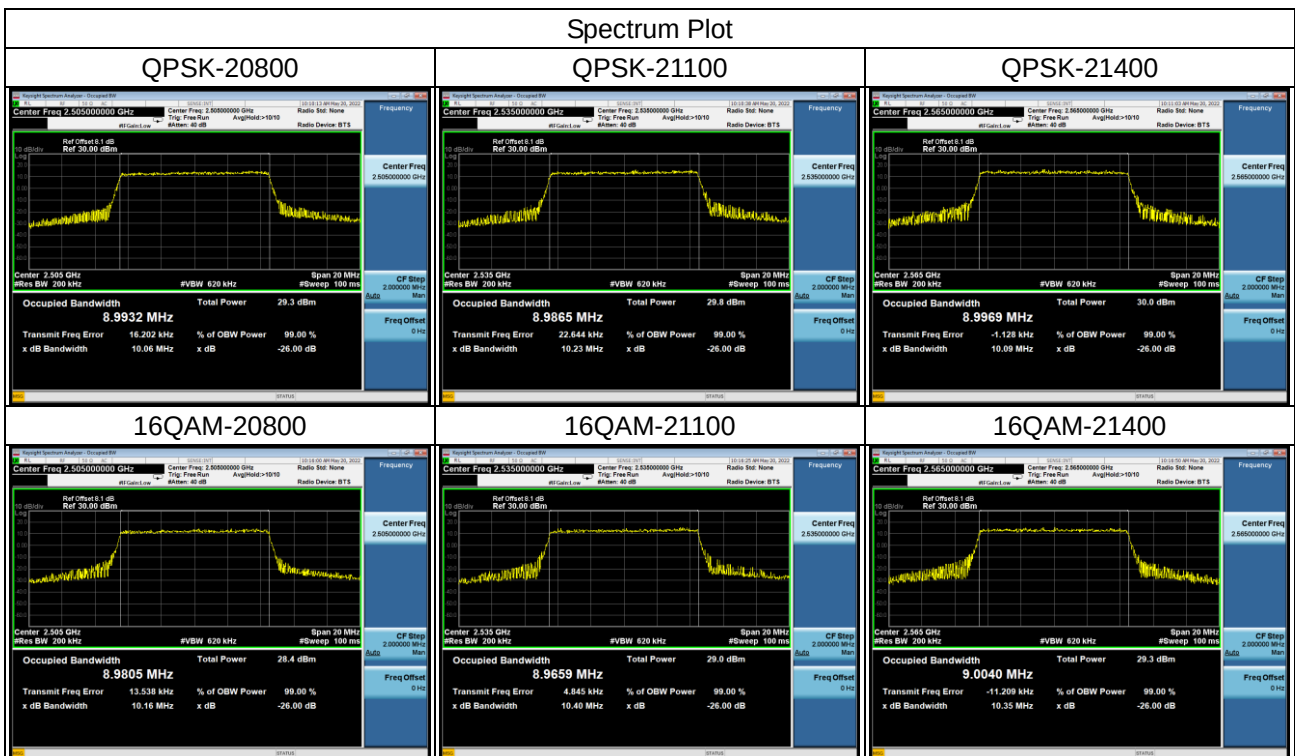
LTE Band 4_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20050	1720	17.967	17.973	20.08	19.77
20175	1732.5	17.948	17.944	19.89	20.15
20300	1740	17.991	17.960	20.06	20.21



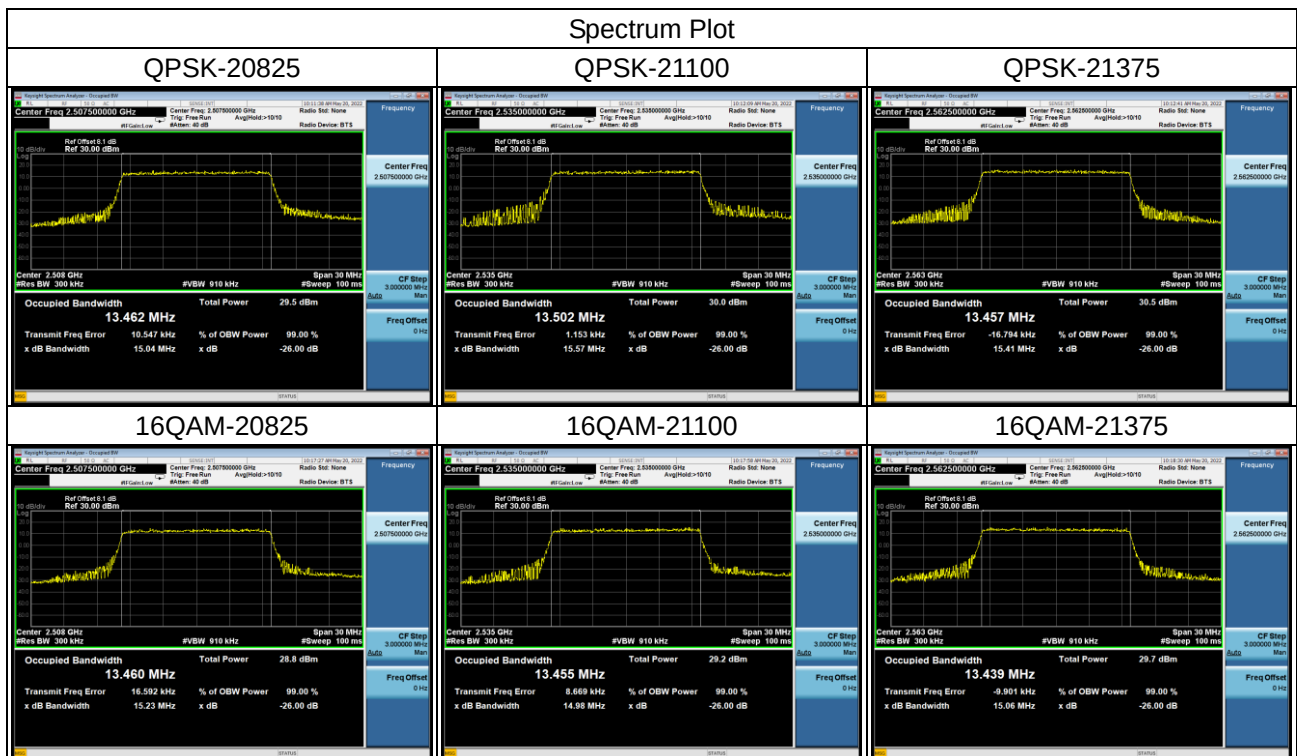
LTE Band 7_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20775	2502.5	4.5135	4.5017	5.492	5.104
21100	2535	4.5235	4.5137	5.922	5.332
21425	2567.5	4.5138	4.5156	5.017	5.249



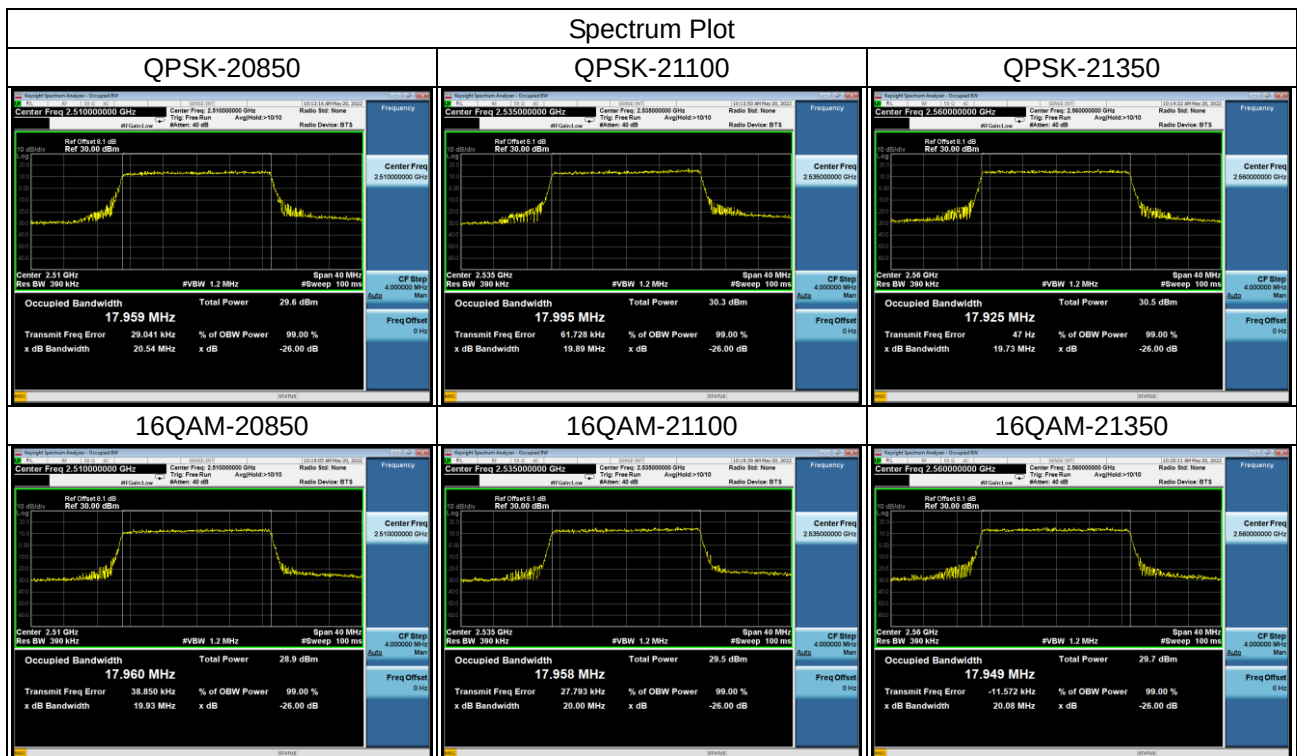
LTE Band 7_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20800	2505	8.9932	8.9805	10.06	10.16
21100	2535	8.9865	8.9659	10.23	10.40
21400	2565	8.9969	9.0040	10.09	10.35



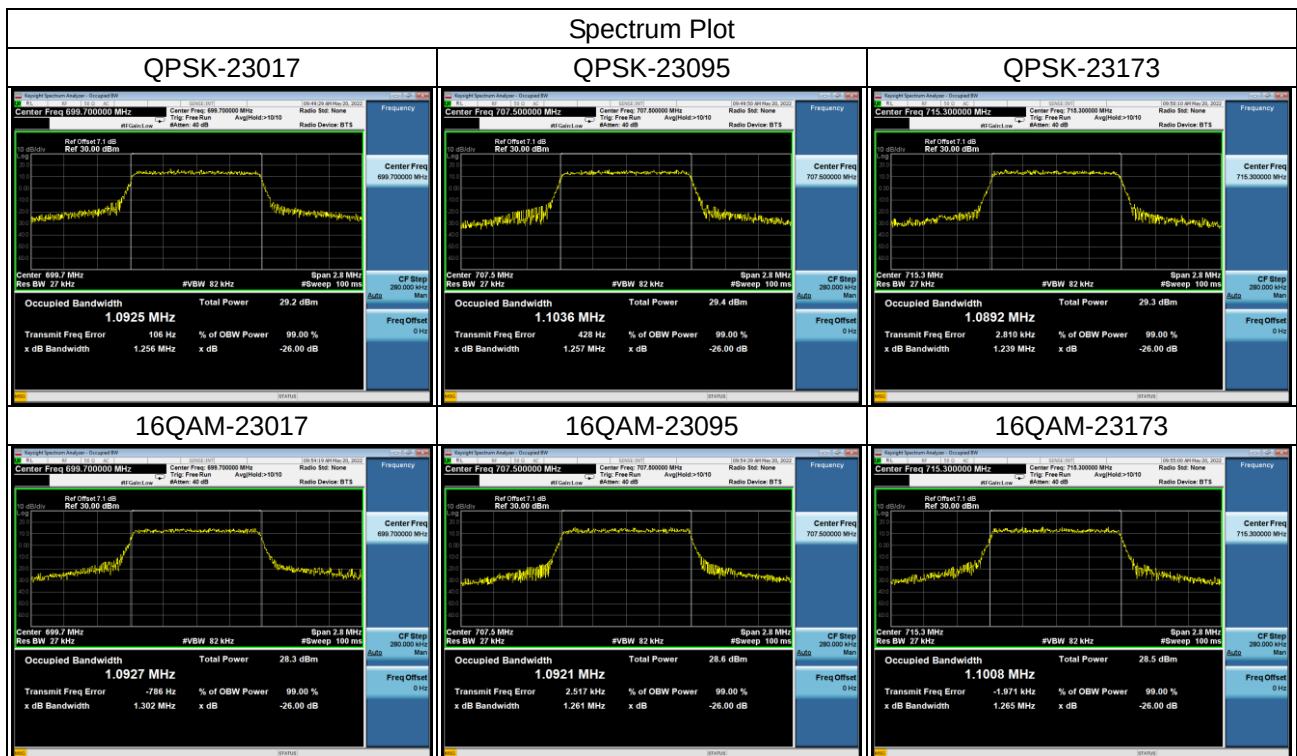
LTE Band 7_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20825	2507.5	13.462	13.460	15.04	15.23
21100	2535	13.502	13.455	15.57	14.98
21375	2562.5	13.457	13.439	15.41	15.06



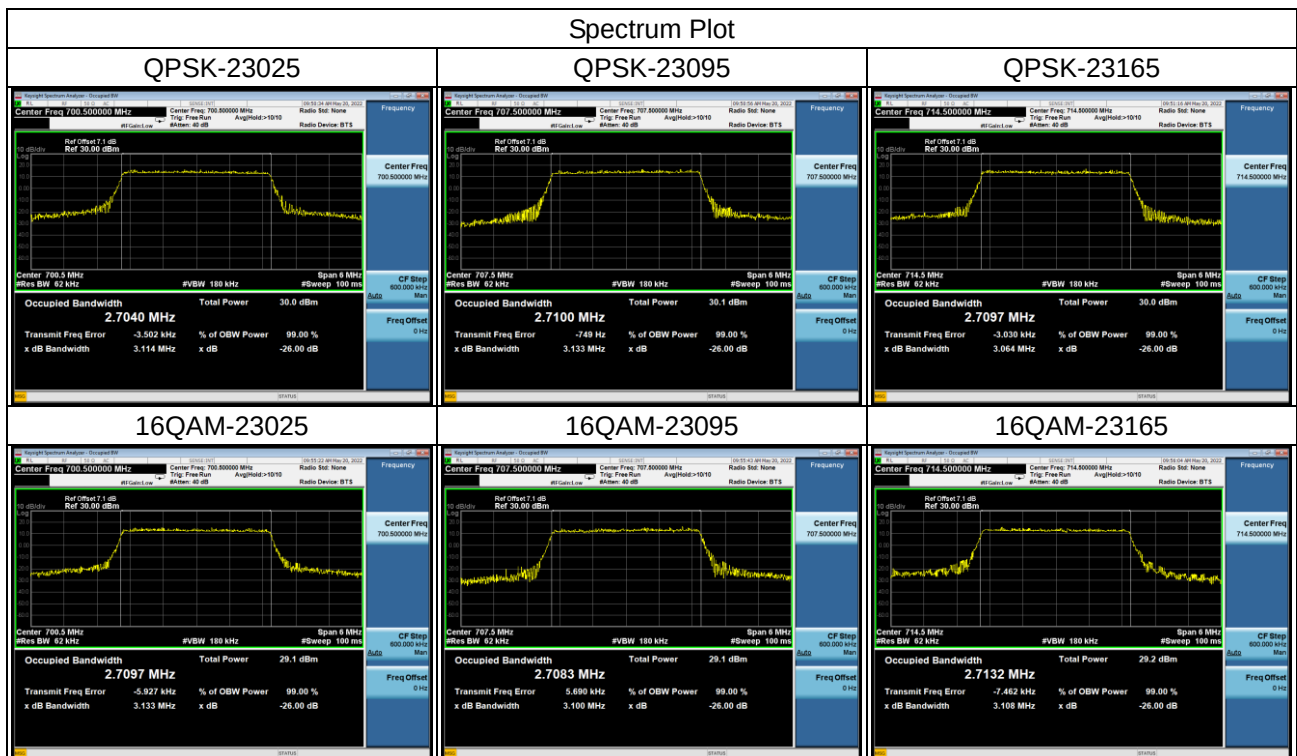
LTE Band 7_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20850	2510	17.959	17.960	20.54	19.93
21100	2535	17.995	17.958	19.89	20.00
21350	2560	17.925	17.949	19.73	20.08



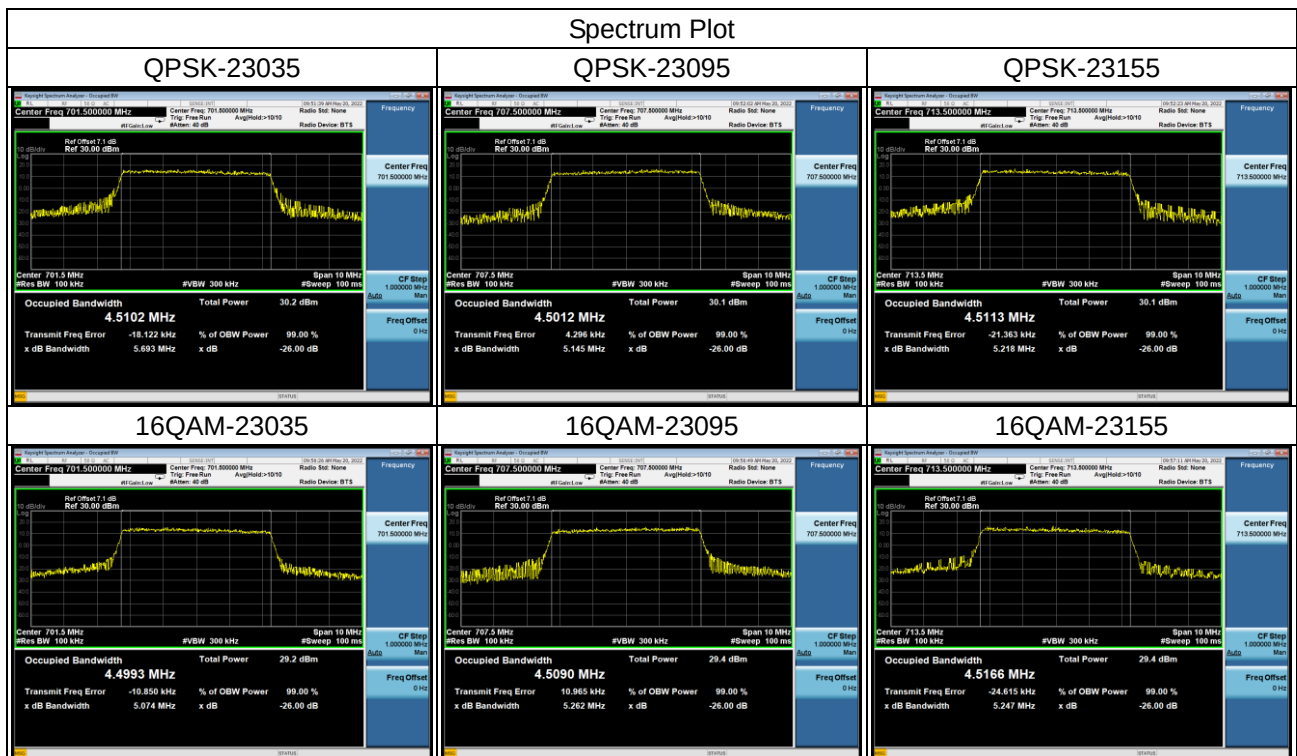
LTE Band 12_1.4MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23017	699.7	1.0925	1.0927	1.256	1.302
23095	707.5	1.1036	1.0921	1.257	1.261
23173	715.3	1.0892	1.1008	1.239	1.265



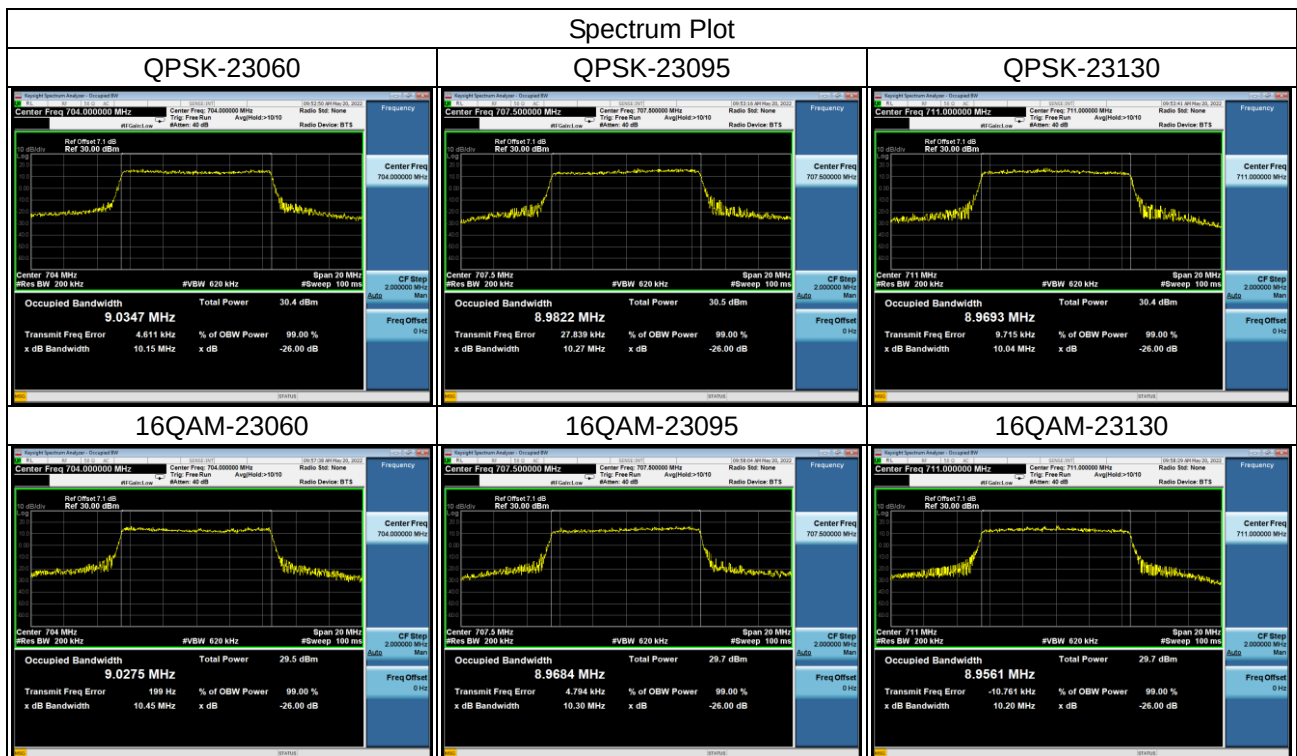
LTE Band 12_3MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23025	700.5	2.7040	2.7097	3.114	3.133
23095	707.5	2.7100	2.7083	3.133	3.100
23165	714.5	2.7097	2.7132	3.064	3.108



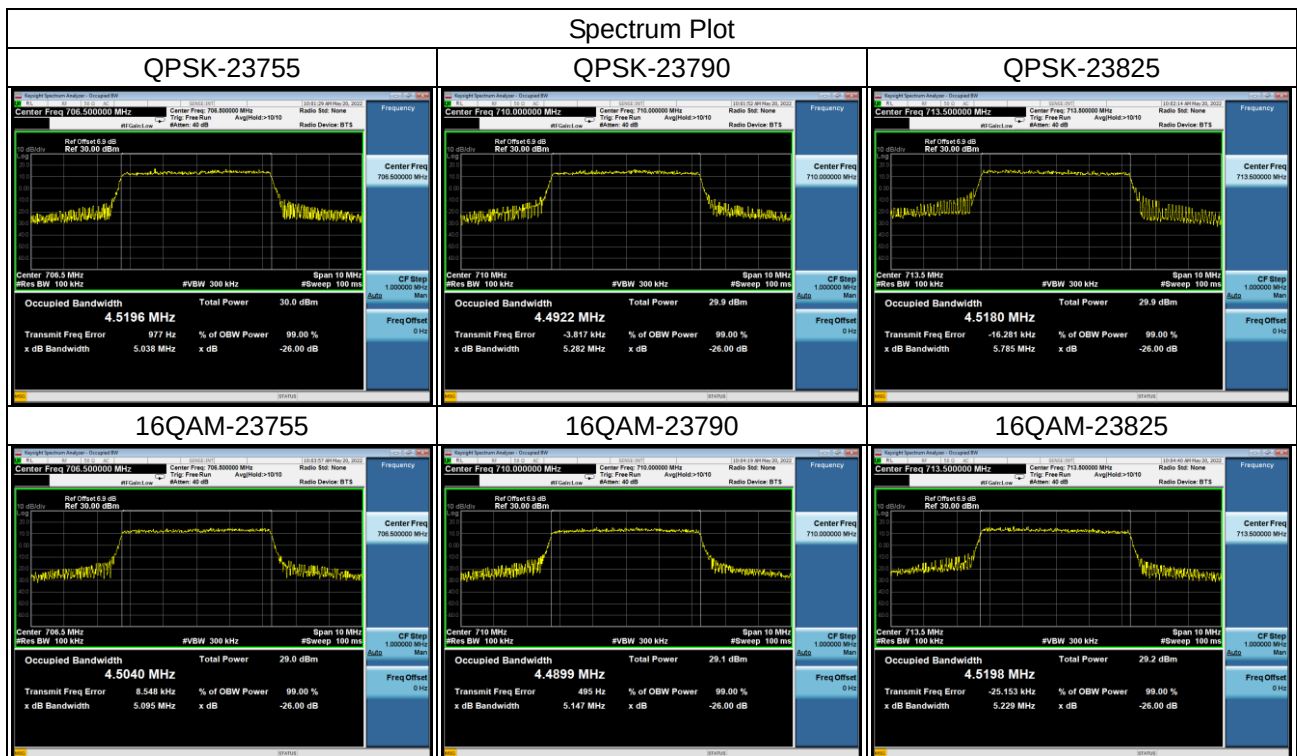
LTE Band 12_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23035	701.5	4.5102	4.4993	5.693	5.074
23095	707.5	4.5012	4.5090	5.145	5.262
23155	713.5	4.5113	4.5166	5.218	5.247



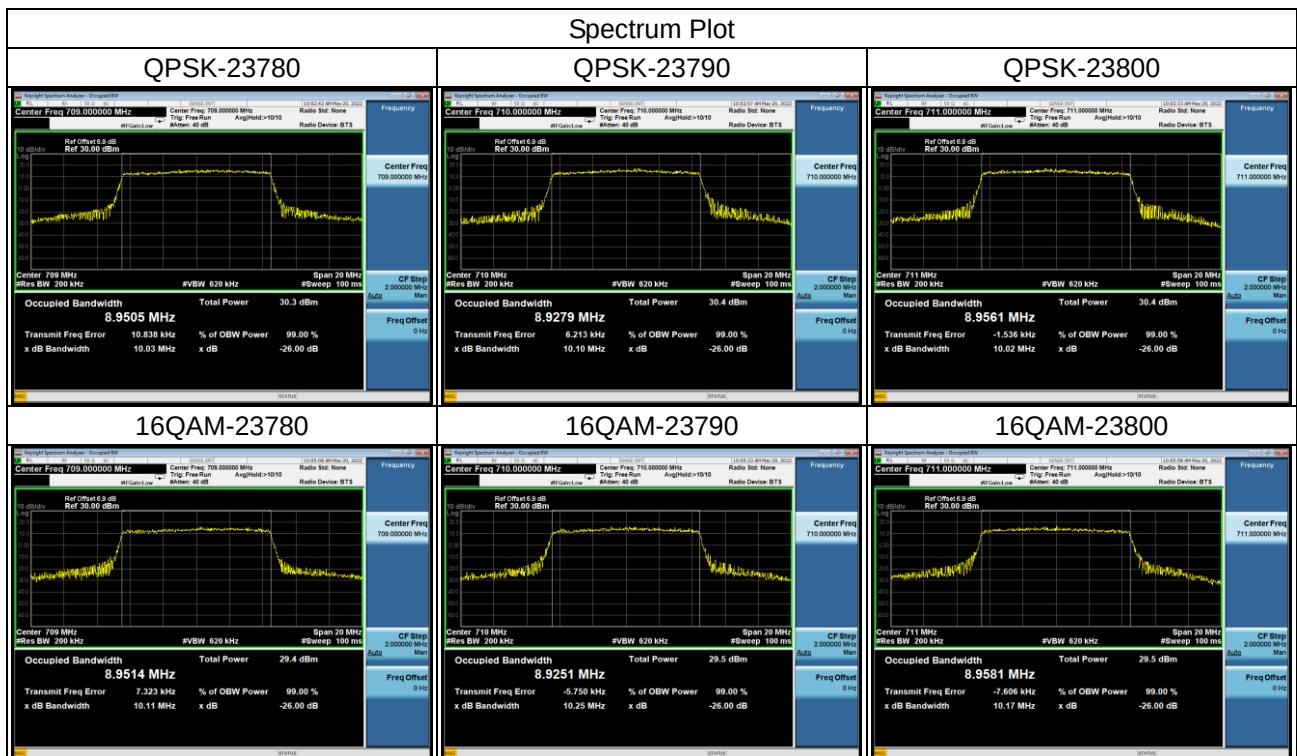
LTE Band 12_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23060	704.0	9.0347	9.0275	10.15	10.45
23095	707.5	8.9822	8.9684	10.27	10.30
23130	711.0	8.9693	8.9561	10.04	10.20



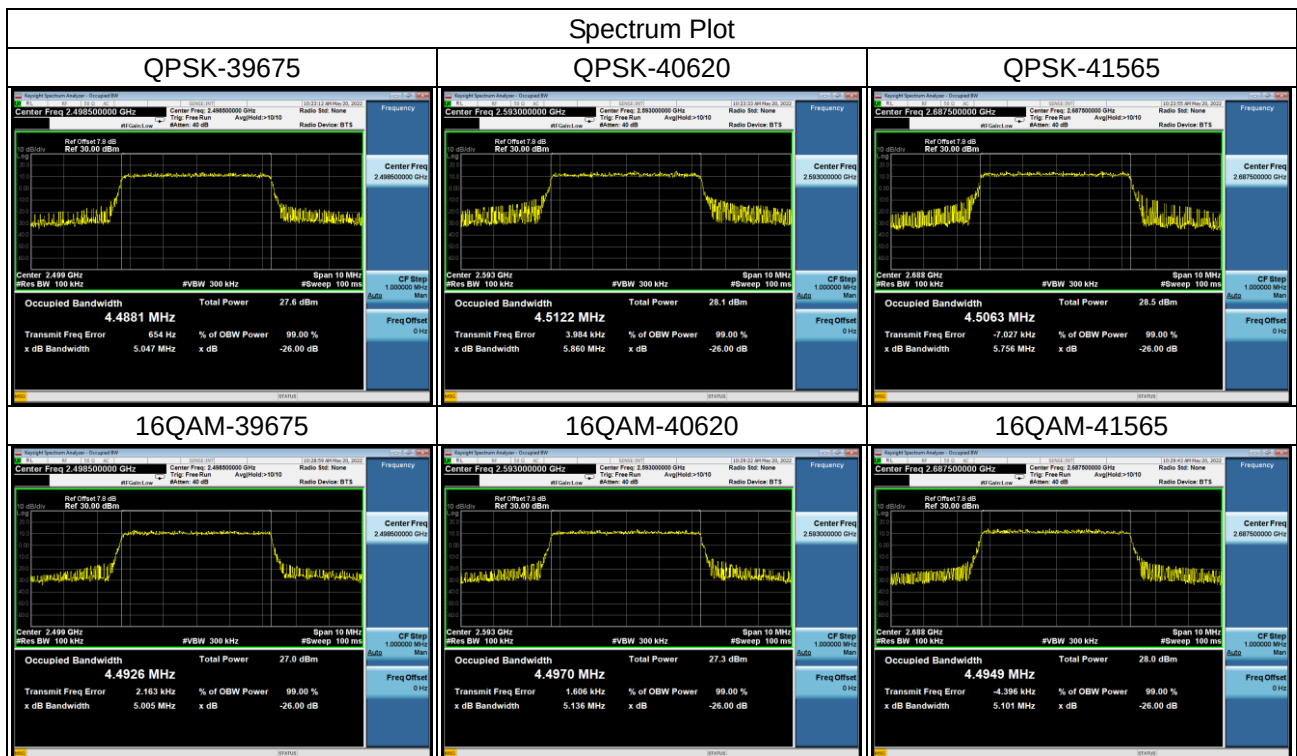
LTE Band 17_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23755	706.5	4.5196	4.5040	5.038	5.095
23790	710	4.4922	4.4899	5.282	5.147
23825	713.5	4.5180	4.5198	5.785	5.229



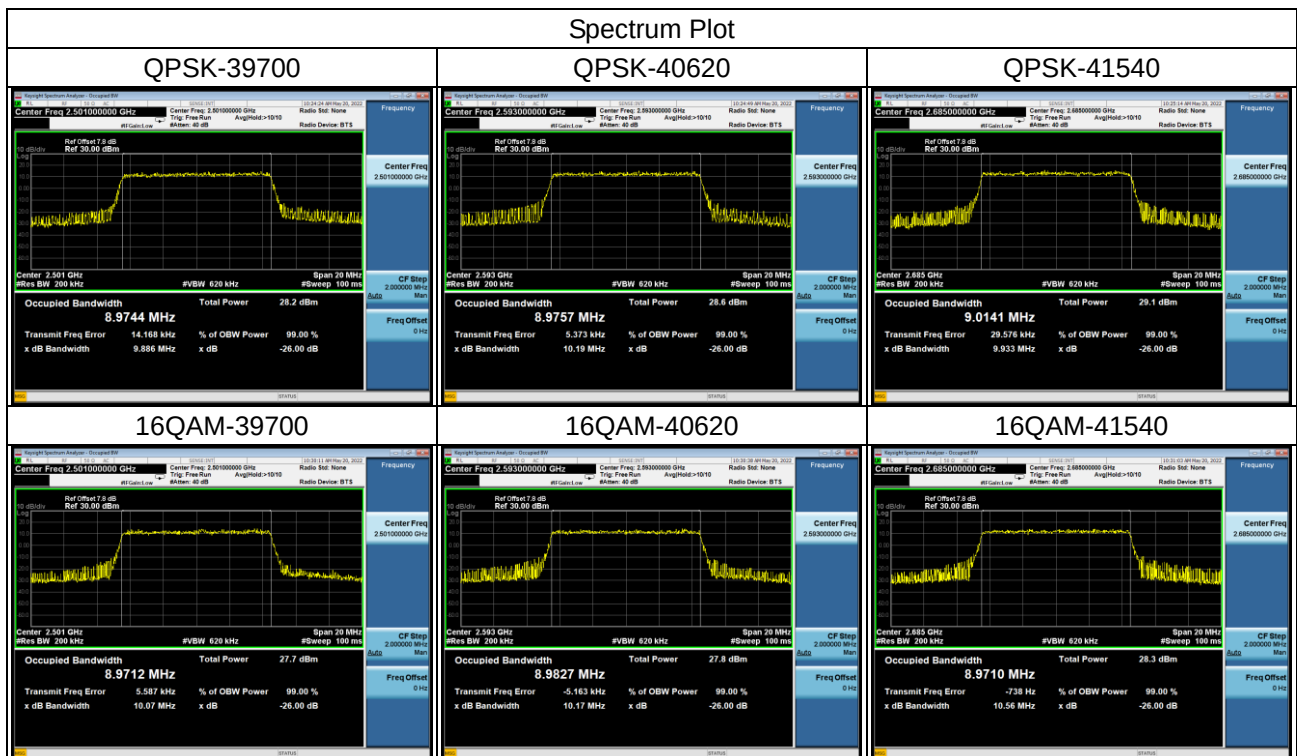
LTE Band 17_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23780	709	8.9505	8.9514	10.03	10.11
23790	710	8.9279	8.9251	10.10	10.25
23800	711	8.9561	8.9581	10.02	10.17



LTE Band 41_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
39675	2498.5	4.4881	4.4926	5.047	5.005
40620	2593	4.5122	4.4970	5.860	5.136
41565	2687.5	4.5063	4.4949	5.756	5.101



LTE Band 41_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
39700	2501.0	8.9744	8.9712	9.886	10.07
40620	2593	8.9757	8.9827	10.19	10.17
41540	2685.0	9.0141	8.9710	9.933	10.56



LTE Band 41_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
39725	2503.5	13.470	13.441	14.93	15.99
40620	2593	13.453	13.486	15.22	16.06
41515	2682.5	13.430	13.449	14.91	15.25

