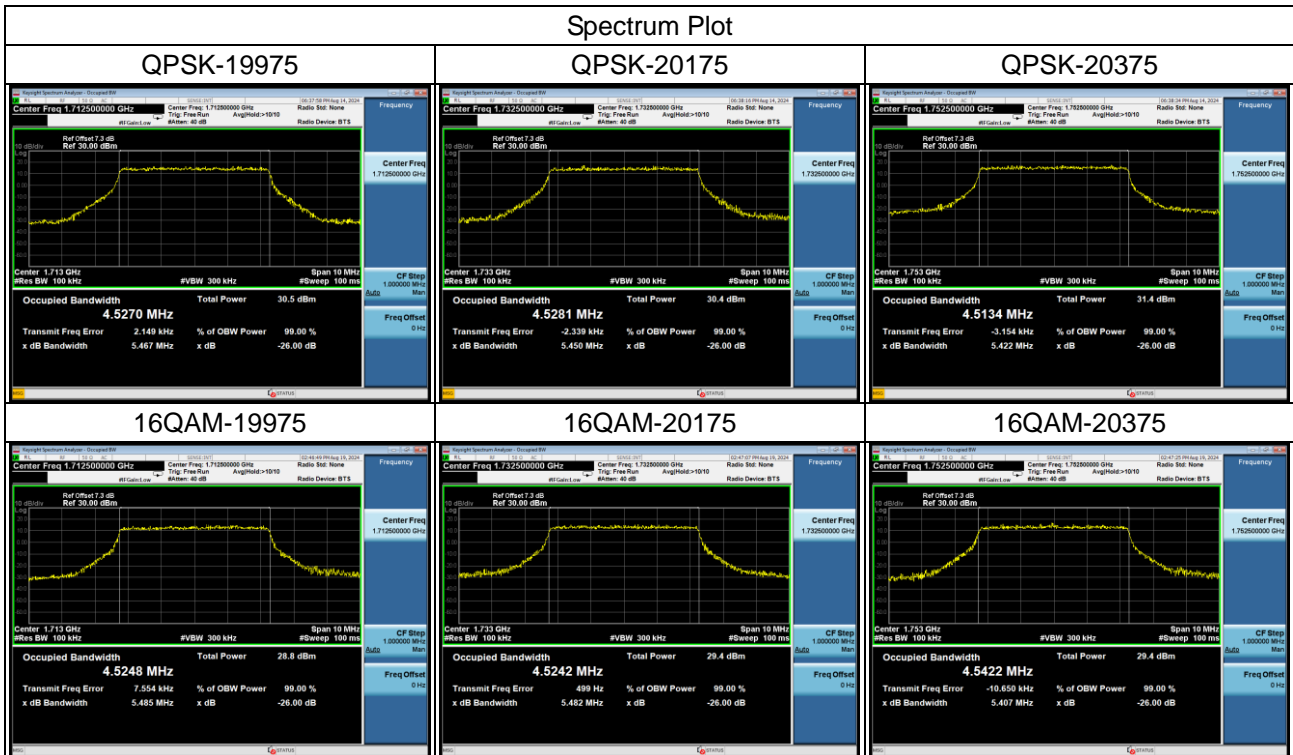
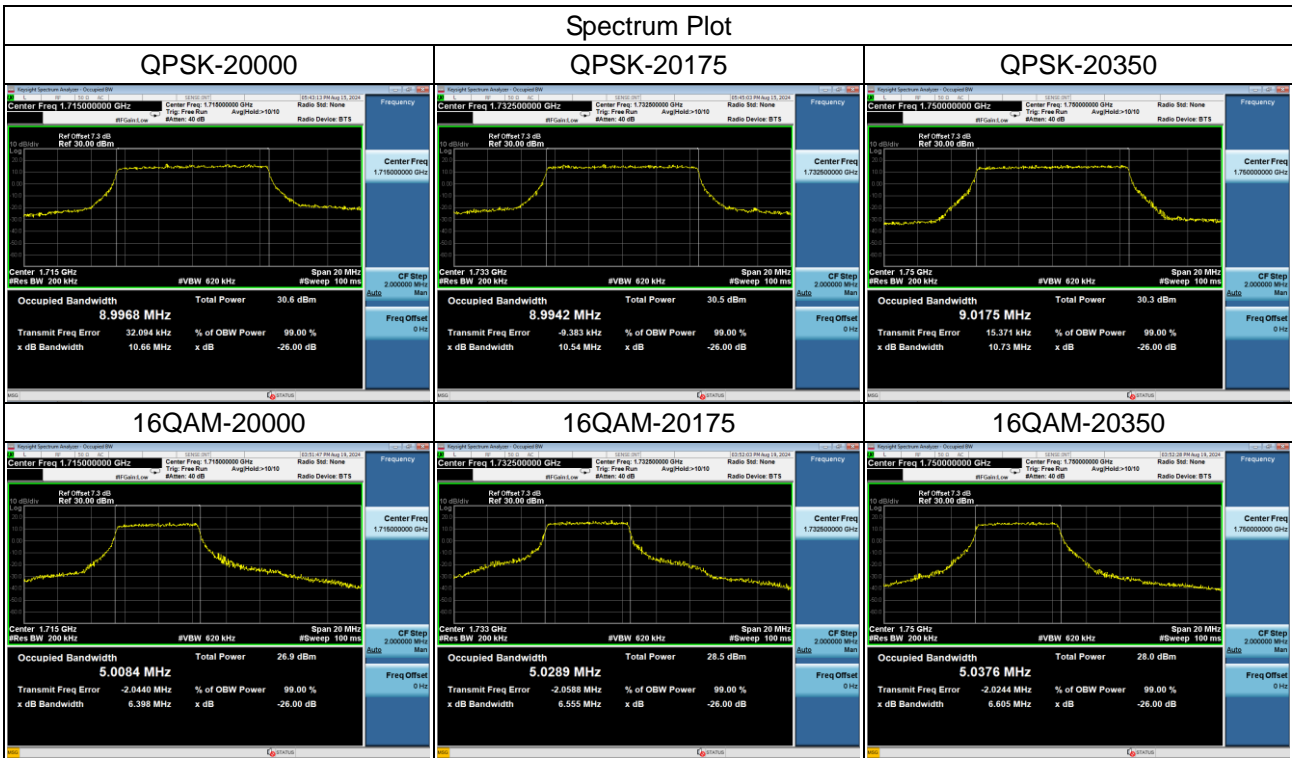


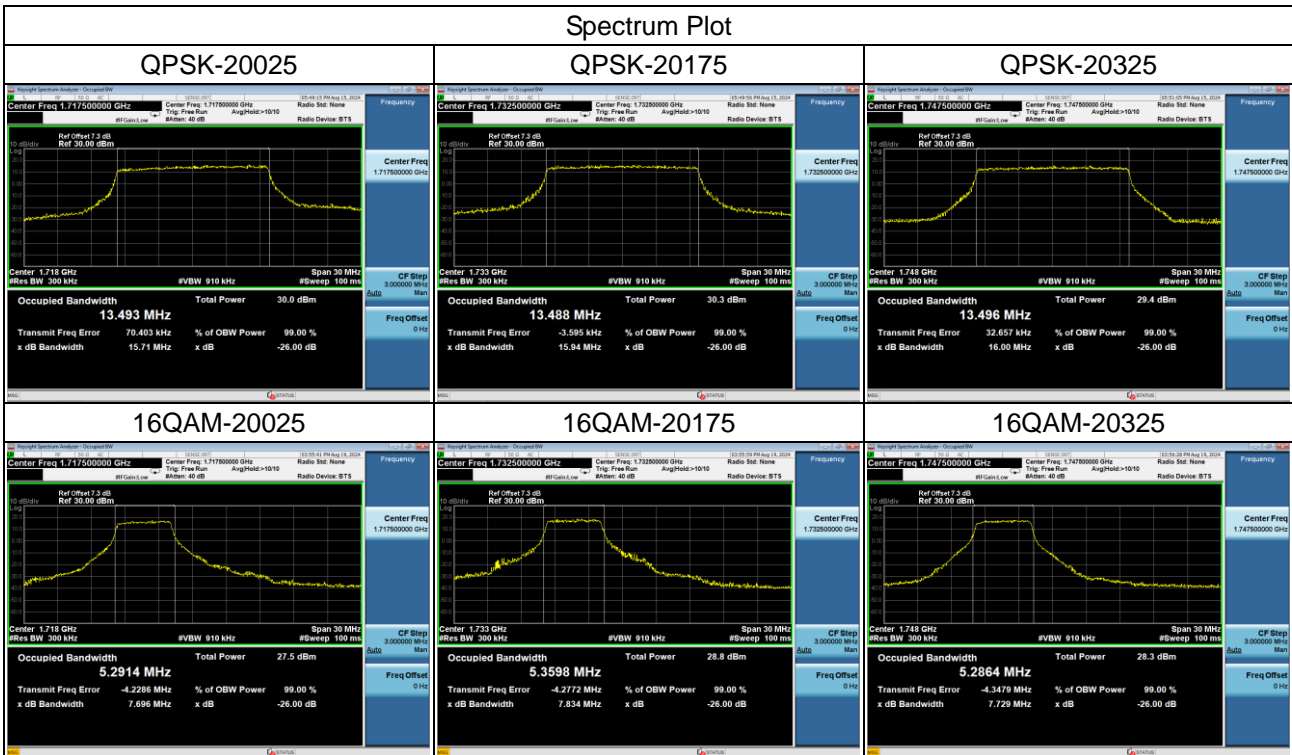
LTE Band 4_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
19975	1712.5	4.5270	4.5248	5.467	5.485
20175	1732.5	4.5281	4.5242	5.450	5.482
20375	1752.5	4.5134	4.5422	5.422	5.407



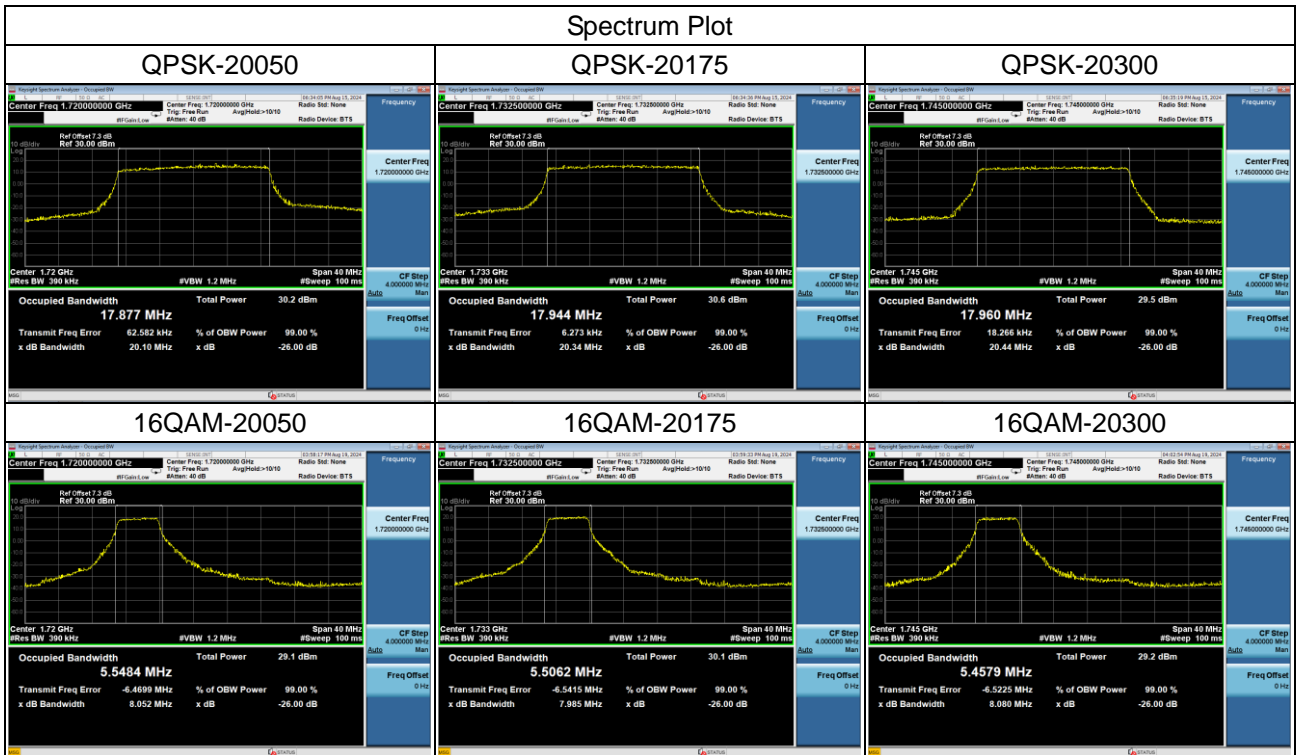
LTE Band 4_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20000	1715	8.9968	5.0084	10.66	6.398
20175	1732.5	8.9942	5.0289	10.54	6.555
20350	1715	9.0175	5.0376	10.73	6.605



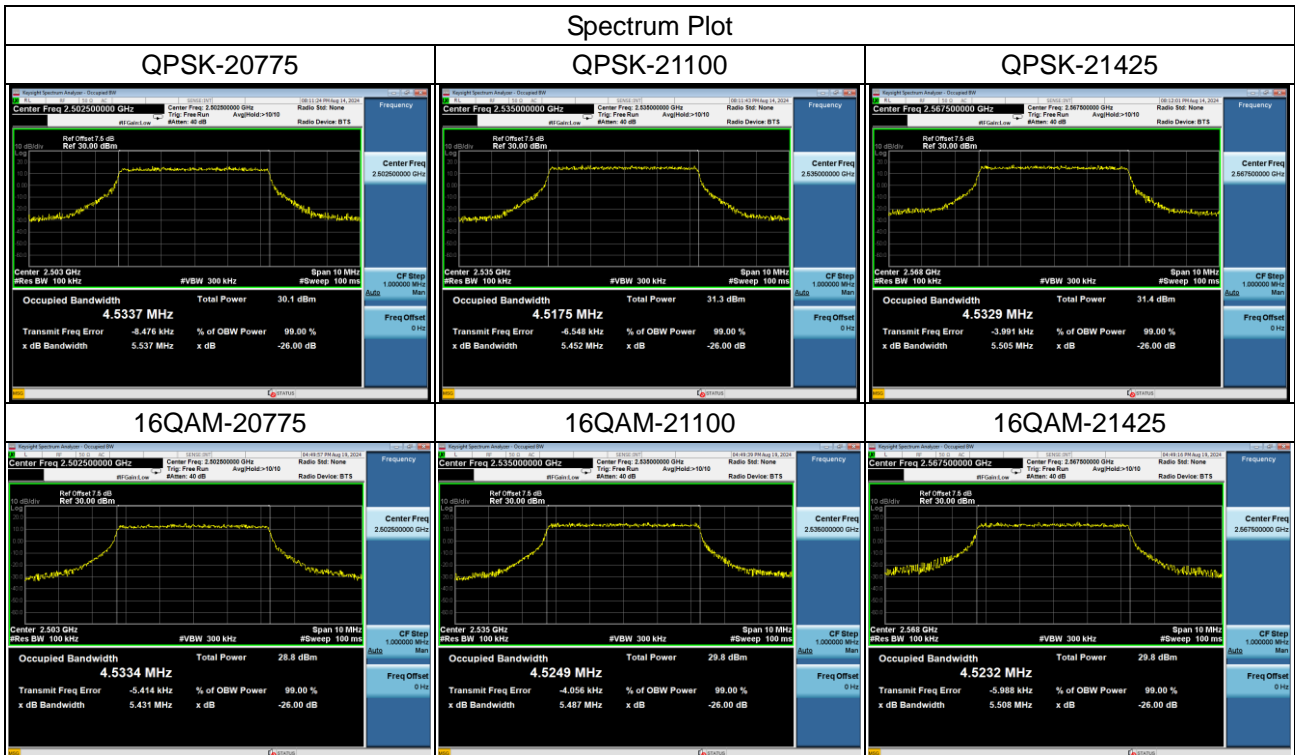
LTE Band 4_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20025	1717.5	13.493	5.2914	15.71	7.696
20175	1732.5	13.488	5.3598	15.94	7.834
20325	1747.5	13.496	5.2864	16.00	7.729



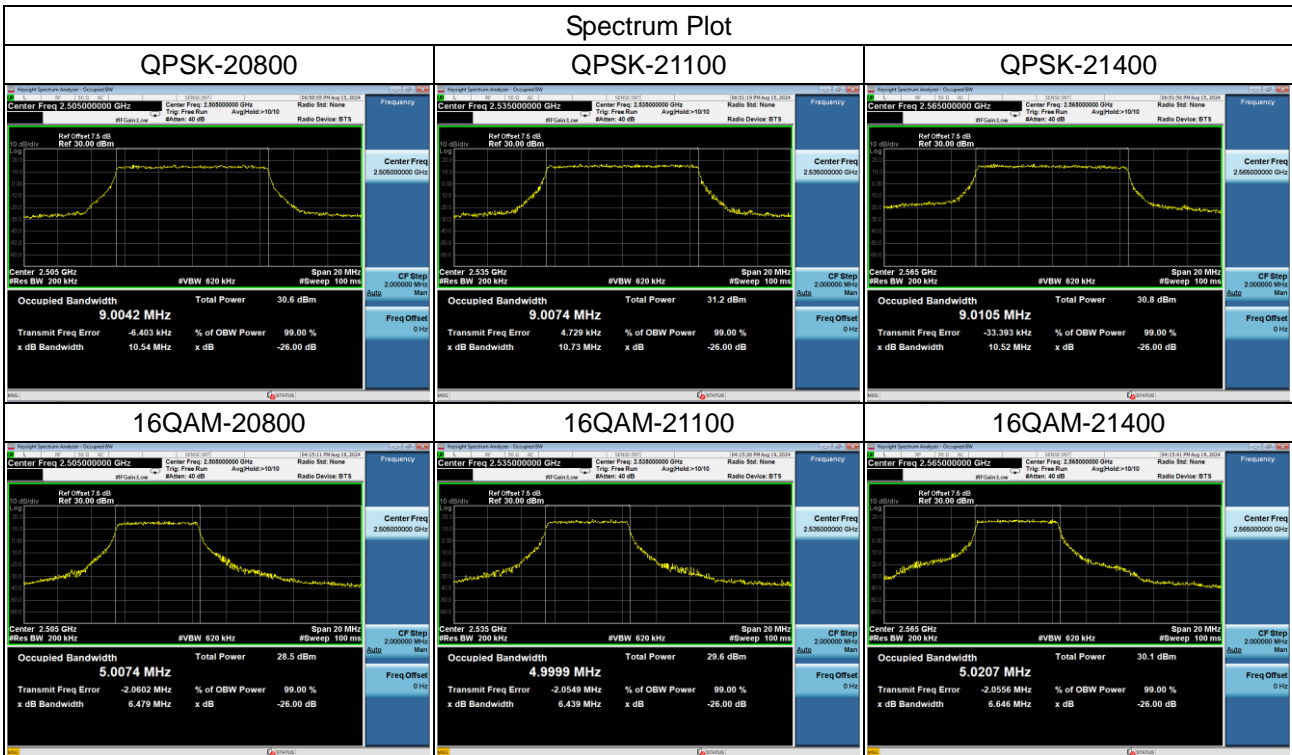
LTE Band 4_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20050	1720	17.877	5.5484	20.10	8.052
20175	1732.5	17.944	5.5062	20.34	7.985
20300	1740	17.960	5.4579	20.44	8.080



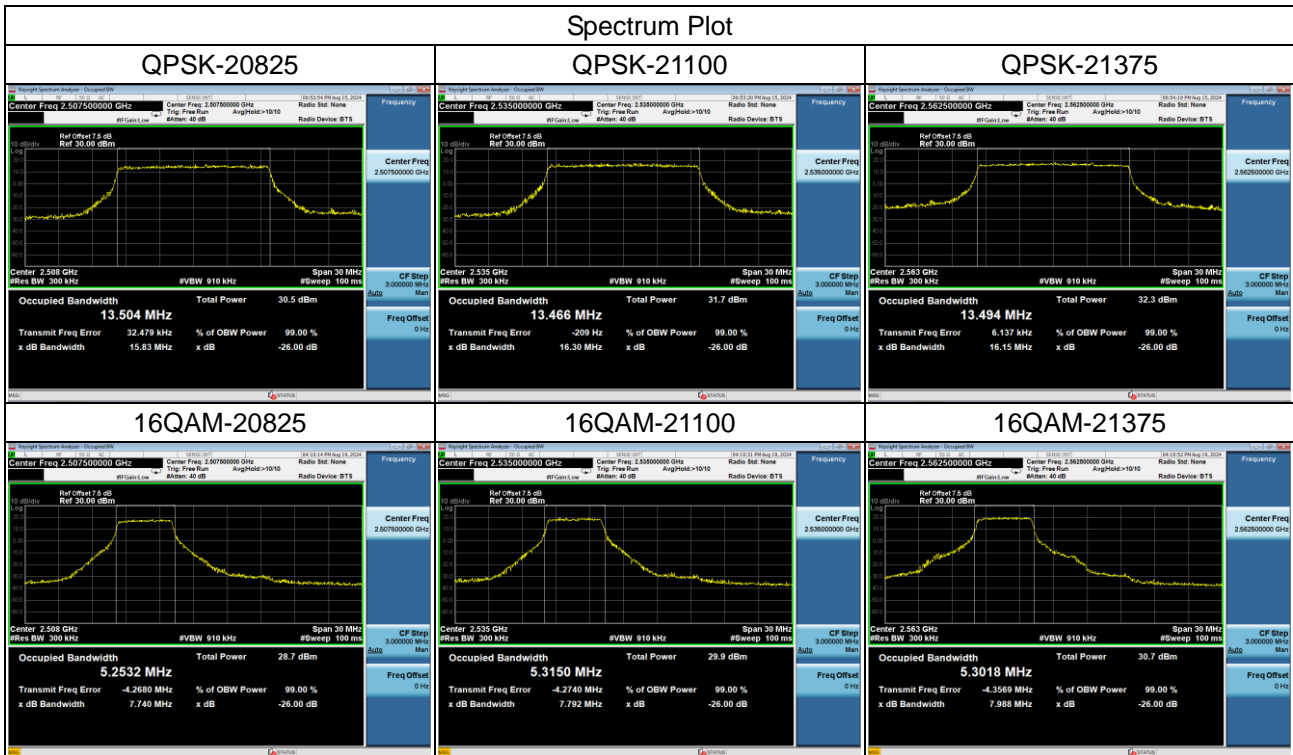
LTE Band 7_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20775	2502.5	4.5337	4.5334	5.537	5.431
21100	2535	4.5175	4.5249	5.452	5.487
21425	2567.5	4.5329	4.5232	5.505	5.508



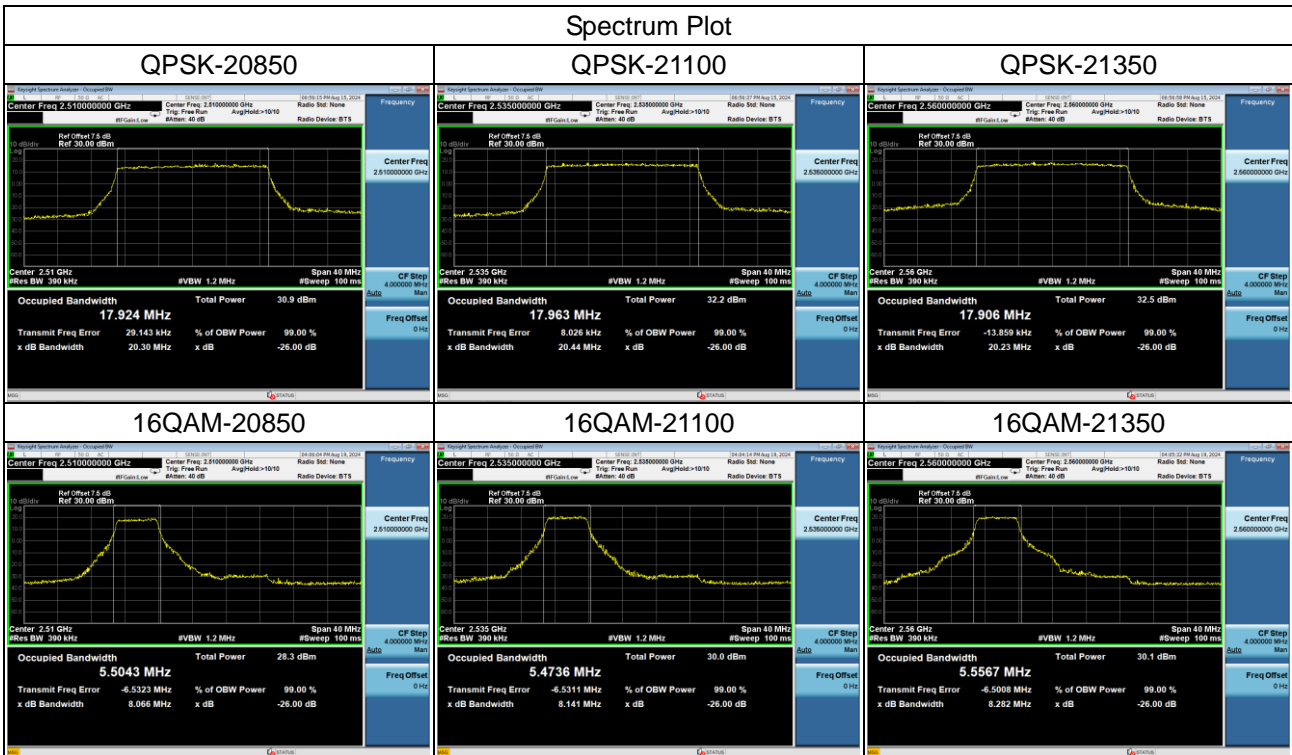
LTE Band 7_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20800	2505	9.0042	5.0074	10.54	6.479
21100	2535	9.0074	4.9999	10.73	6.439
21400	2565	9.0105	5.0207	10.52	6.646



LTE Band 7_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20825	2507.5	13.504	5.2532	15.83	7.740
21100	2535	13.466	5.3150	16.30	7.792
21375	2562.5	13.494	5.3018	16.15	7.988

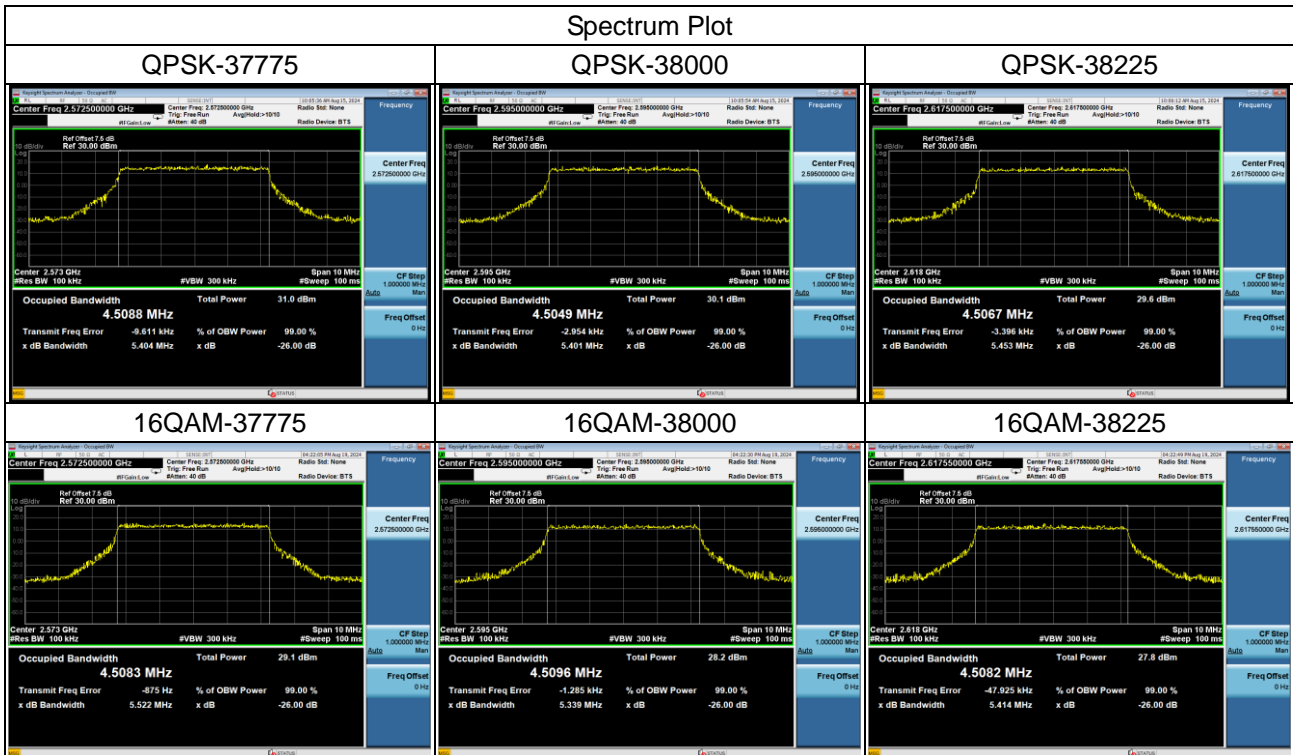


LTE Band 7_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20850	2510	17.924	5.5043	20.30	8.066
21100	2535	17.963	5.4736	20.44	8.141
21350	2560	17.906	5.5567	20.23	8.282

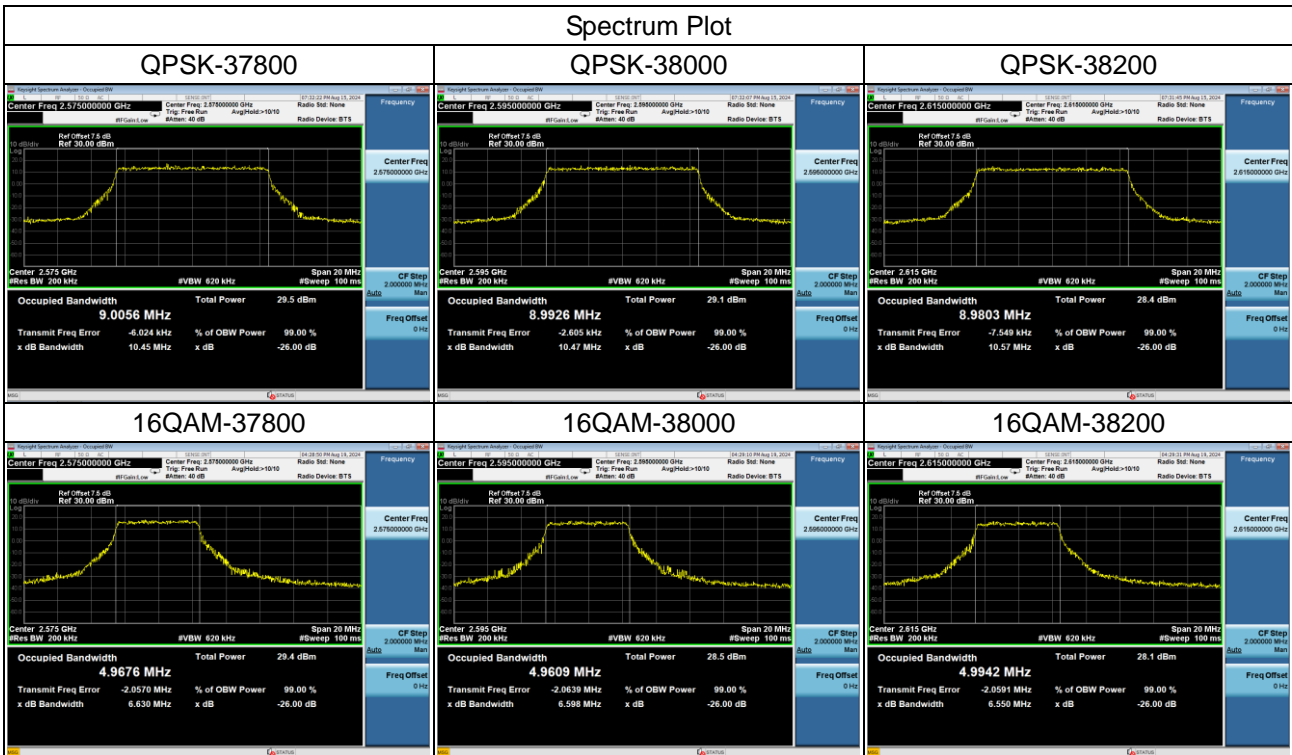




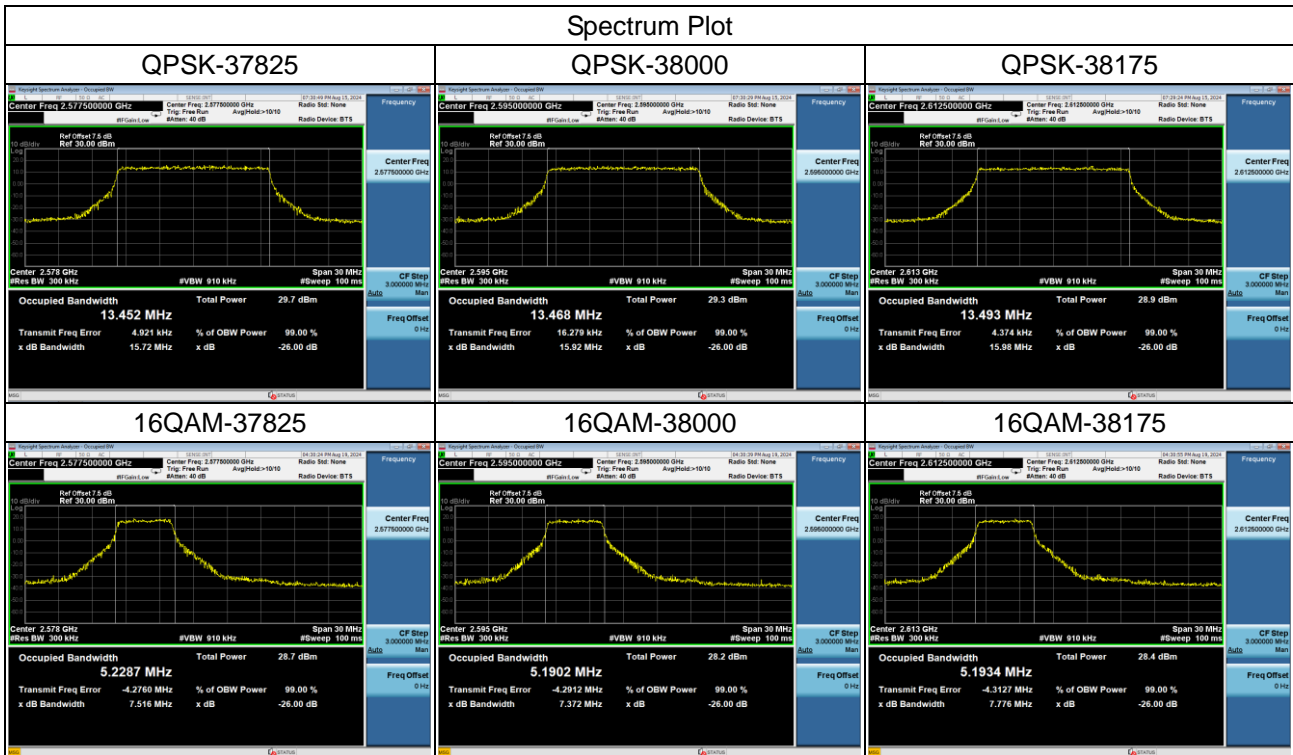
LTE Band 38_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
37775	2572.5	4.5088	4.5083	5.404	5.522
38000	2595	4.5049	4.5096	5.401	5.339
38225	2617.5	4.5067	4.5082	5.453	5.414



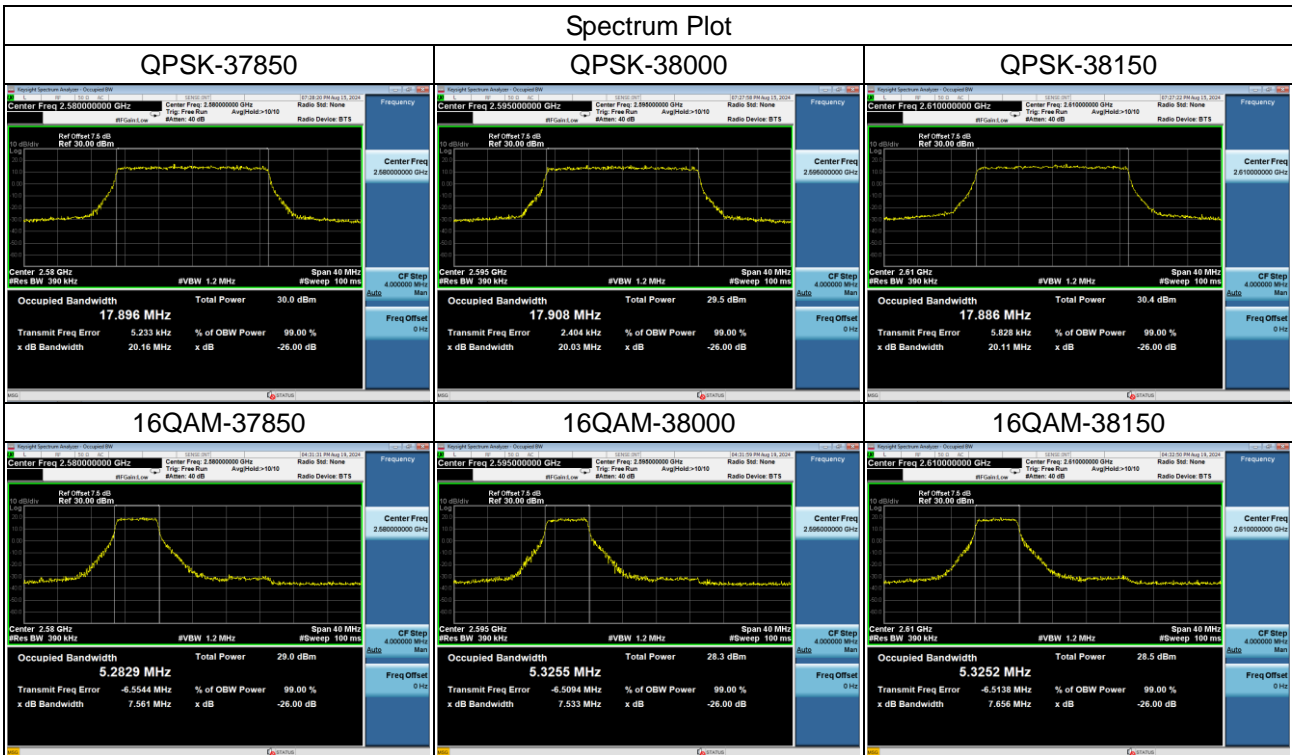
LTE Band 38_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
37800	2575	9.0056	4.9676	10.45	6.630
38000	2595	8.9926	4.9609	10.47	6.598
38200	2615	8.9803	4.9942	10.57	6.550



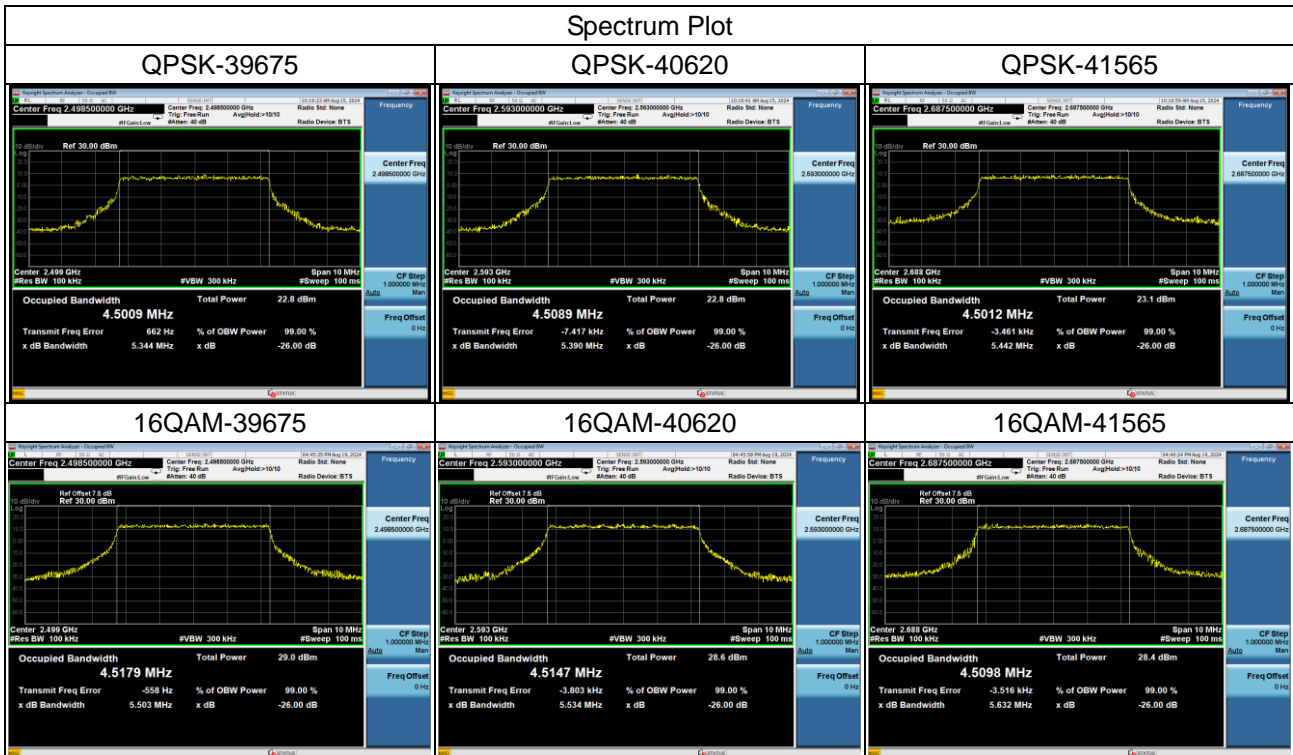
LTE Band 38_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
37825	2577.5	13.452	5.2287	15.72	7.516
38000	2595	13.468	5.1902	15.92	7.372
38175	2612.5	13.493	5.1934	15.98	7.776



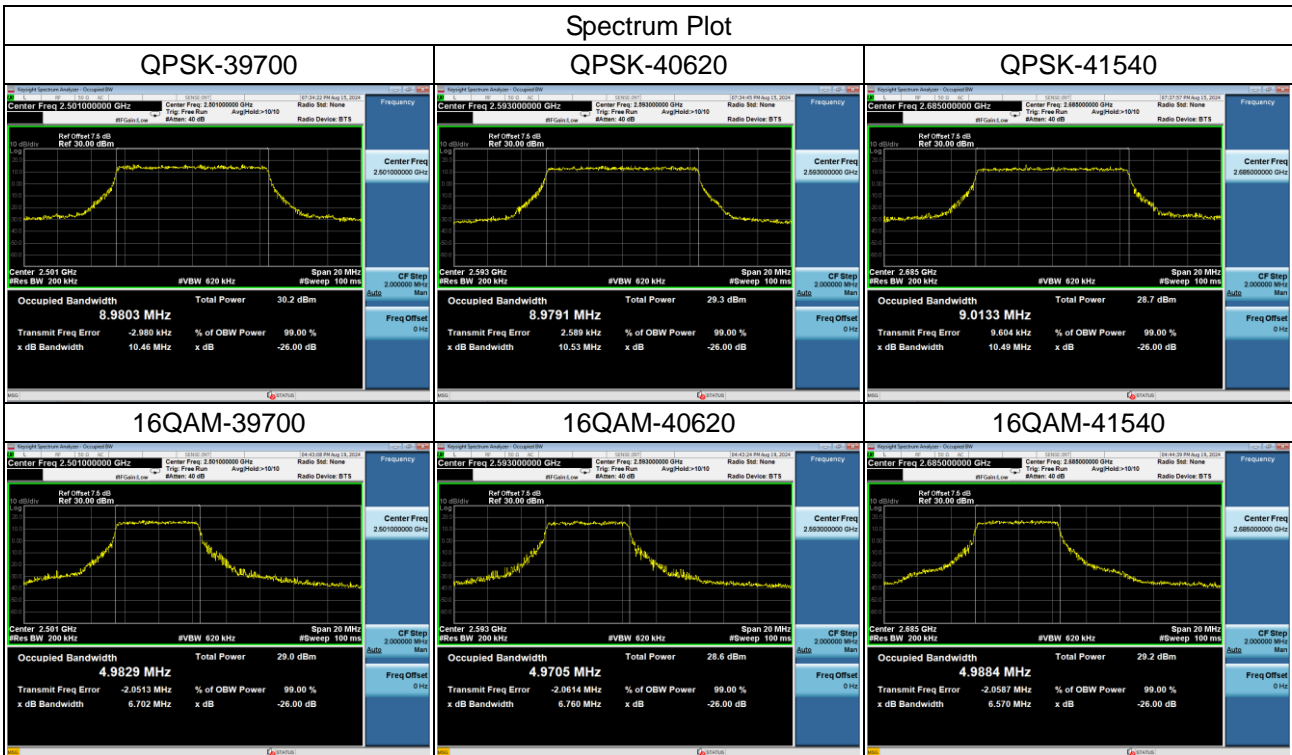
LTE Band 38_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
37850	2580	17.896	5.2829	20.16	7.561
38000	2595	17.908	5.3255	20.03	7.533
38150	2610	17.886	5.3252	20.11	7.656



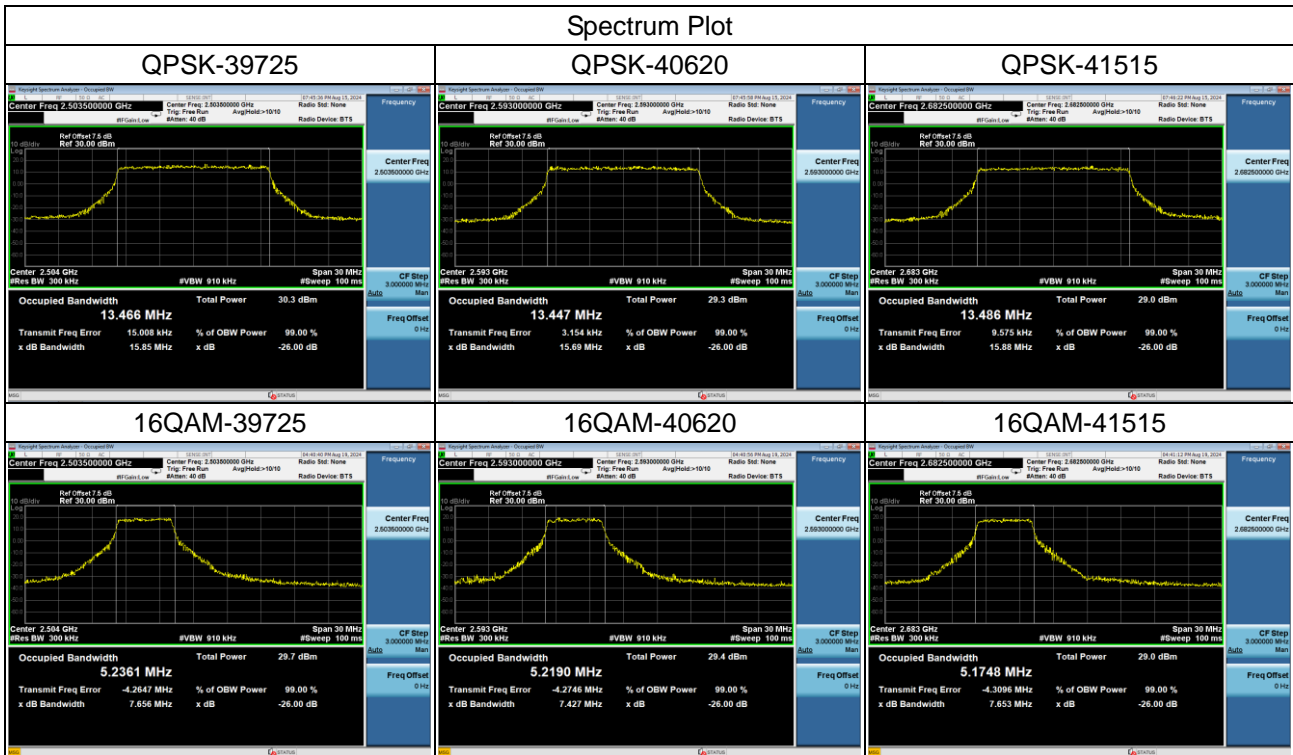
LTE Band 41_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
39675	2498.5	4.5009	4.5179	5.344	5.503
40620	2593	4.5089	4.5147	5.390	5.534
41565	2687.5	4.5012	4.5098	5.442	5.632



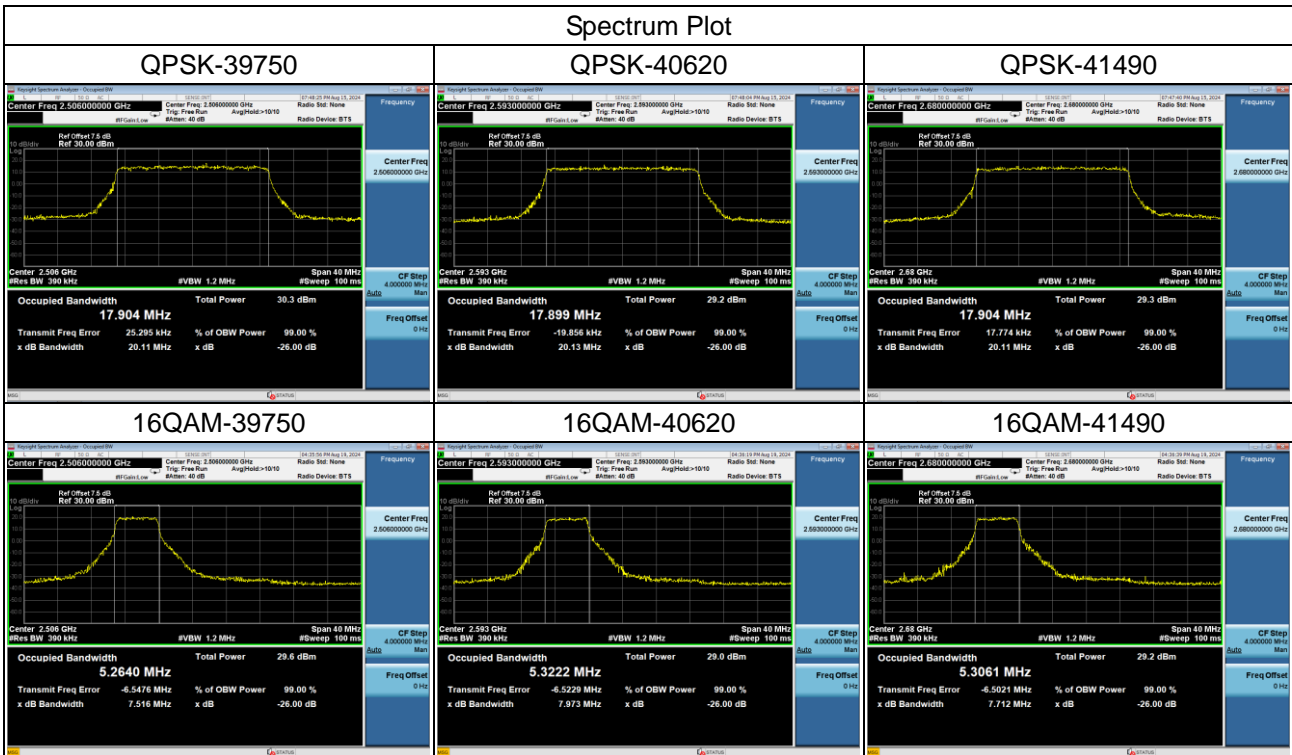
LTE Band 41_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
39700	2501.0	8.9803	4.9829	10.46	6.702
40620	2593	8.9791	4.9705	10.53	6.760
41540	2685.0	9.0133	4.9884	10.49	6.570



LTE Band 41_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
39725	2503.5	13.466	5.2361	15.85	7.656
40620	2593	13.447	5.2190	15.69	7.427
41515	2682.5	13.486	5.1748	15.88	7.653

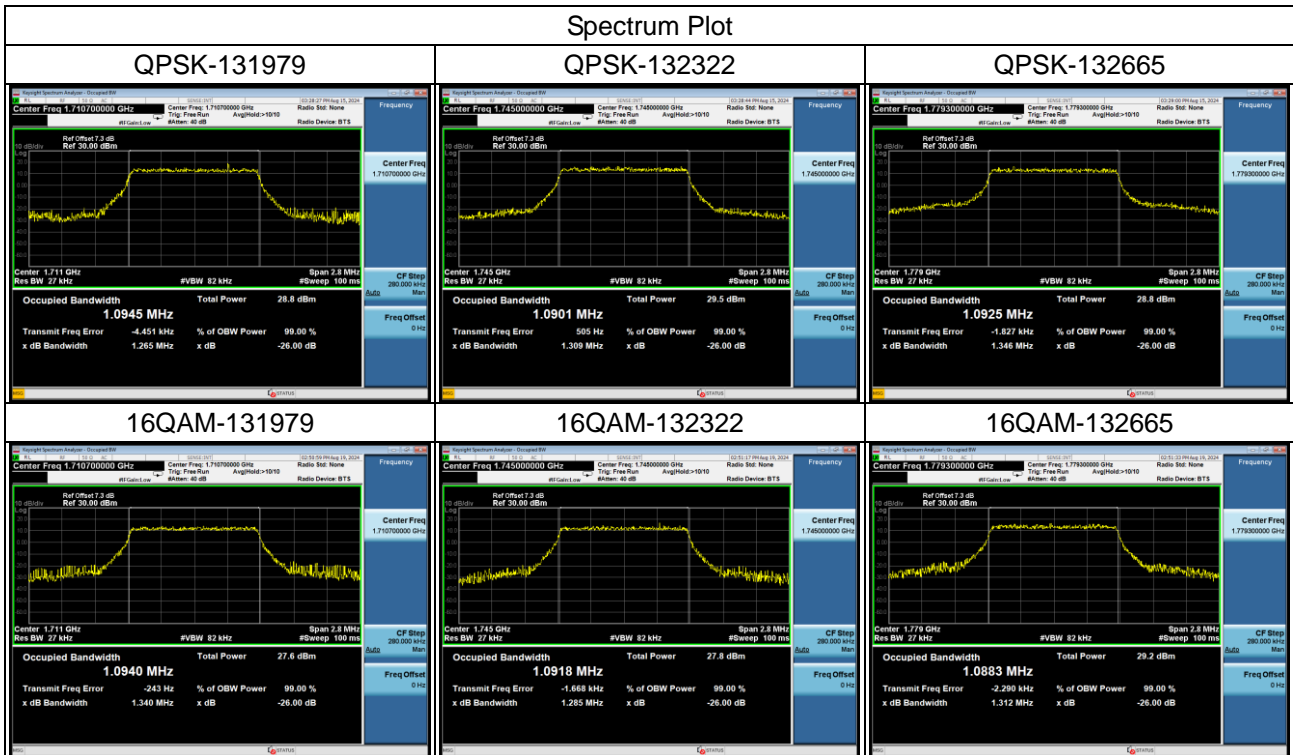


LTE Band 41_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
39750	2506.0	17.904	5.2640	20.11	7.516
40620	2593	17.899	5.3222	20.13	7.973
41490	2680.0	17.904	5.3061	20.11	7.712

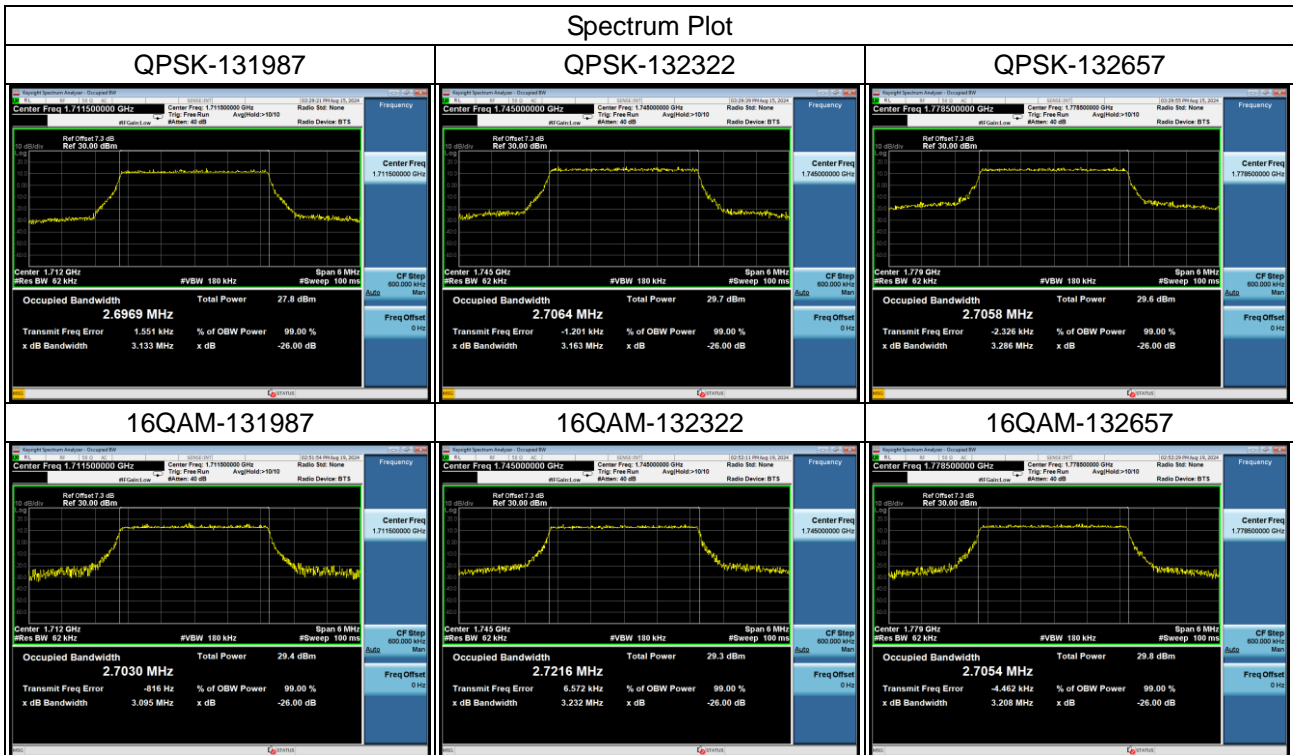




LTE Band 66_1.4MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
131979	1710.7	1.0945	1.0940	1.265	1.340
132322	1745	1.0901	1.0918	1.309	1.285
132665	1779.3	1.0925	1.0883	1.346	1.312



LTE Band 66_3MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
131987	1711.5	2.6969	2.7030	3.133	3.095
132322	1745	2.7064	2.7216	3.163	3.232
132657	1778.5	2.7058	2.7054	3.286	3.208



LTE Band 66_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
131997	1712.5	4.5311	4.5282	5.464	5.427
132322	1745	4.5358	4.5202	5.499	5.543
132647	1777.5	4.5257	4.5302	5.636	5.422

