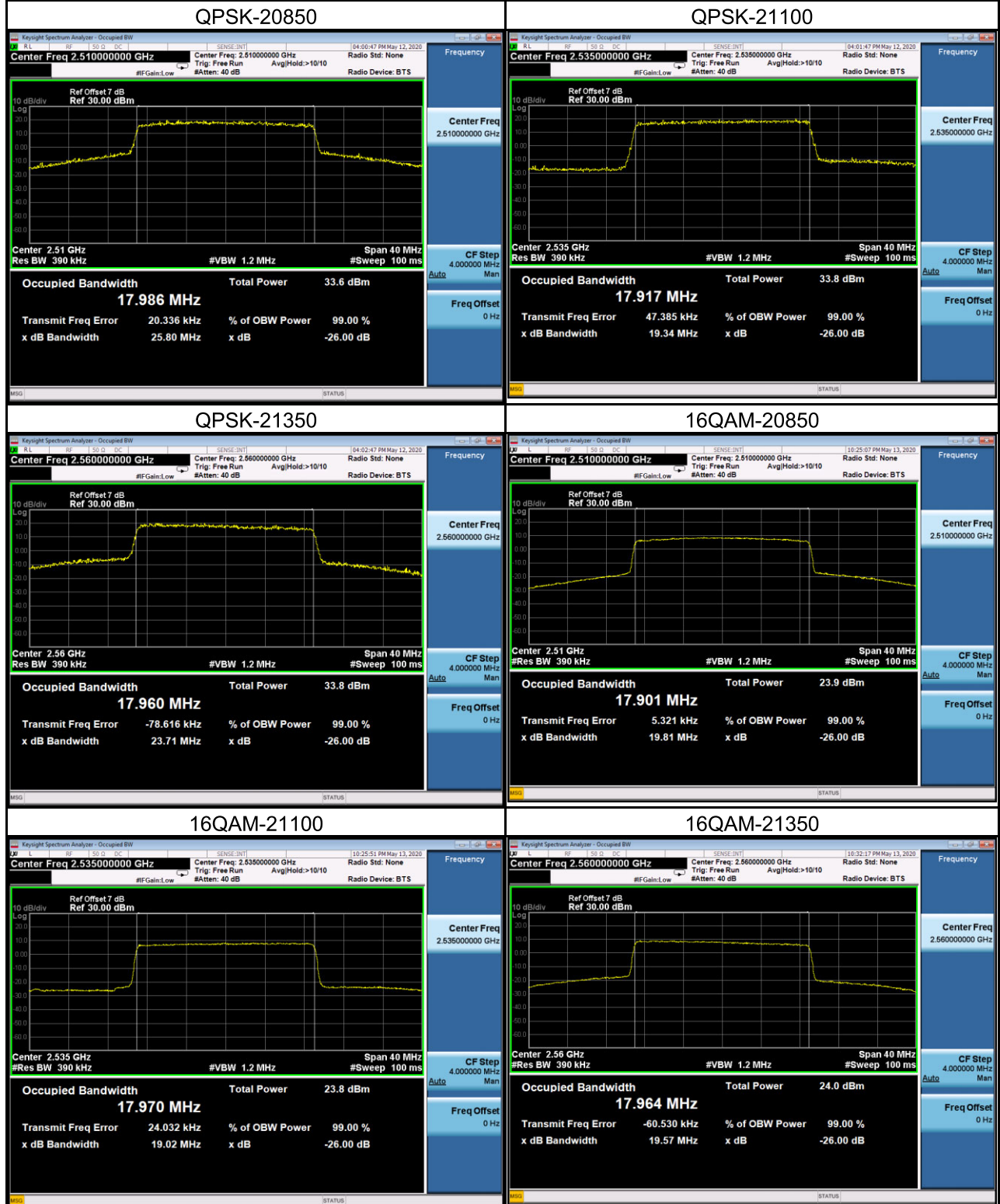
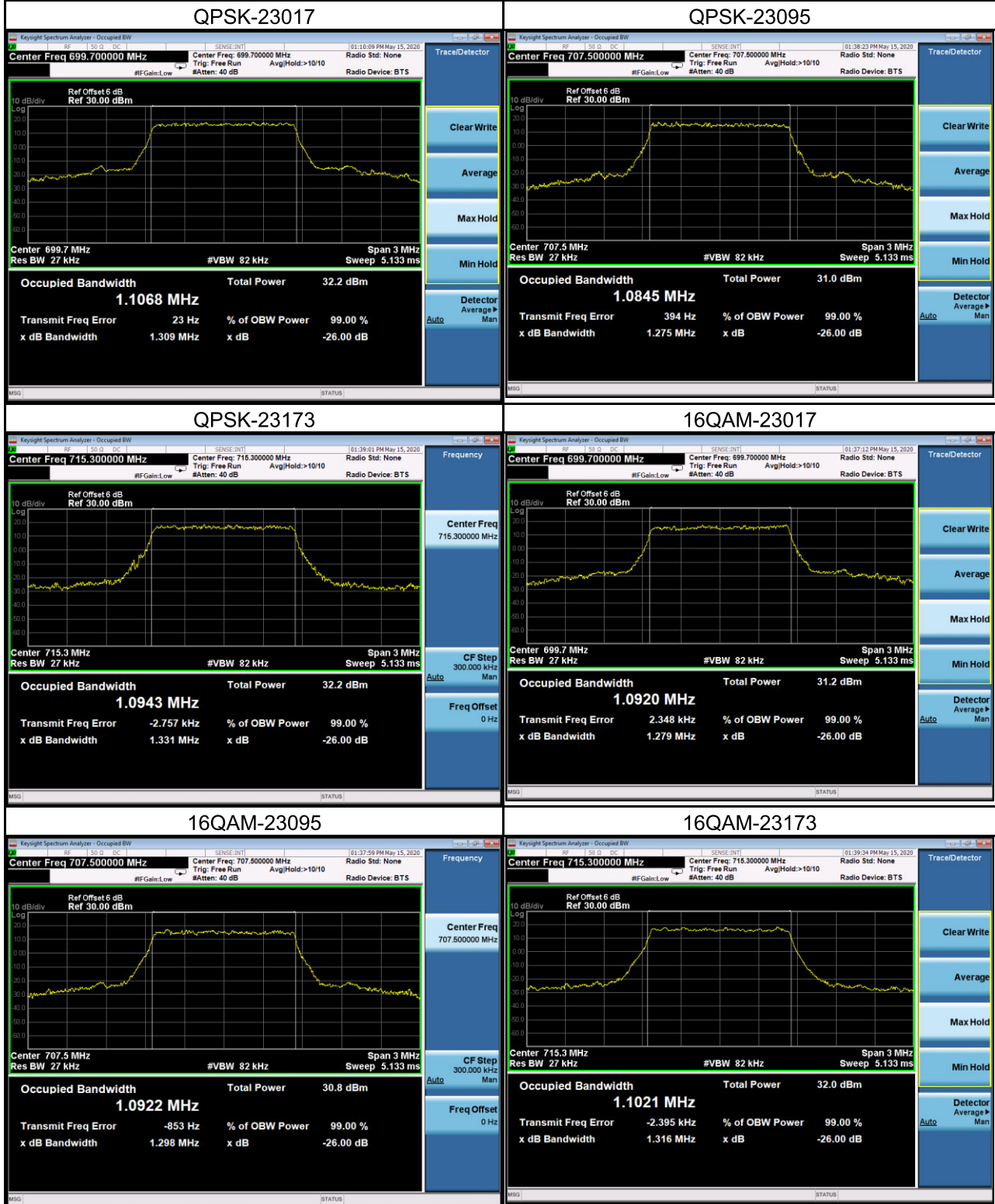


Spectrum Plot



LTE Band 12_1.4M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23017	699.7	1.1068	23017	699.7	1.0920
23095	707.5	1.0845	23095	707.5	1.0922
23173	715.3	1.0943	23173	715.3	1.1021
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23017	699.7	1.3090	23017	699.7	1.2790
23095	707.5	1.2750	23095	707.5	1.2980
23173	715.3	1.3310	23173	715.3	1.3160

Spectrum Plot



LTE Band 12_3M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23025	700.5	2.6957	23025	700.5	2.6979
23095	707.5	2.7039	23095	707.5	2.6974
23165	714.5	2.7077	23165	714.5	2.6906
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23025	700.5	2.9710	23025	700.5	2.9820
23095	707.5	3.0090	23095	707.5	2.9940
23165	714.5	2.9790	23165	714.5	2.9850

Spectrum Plot



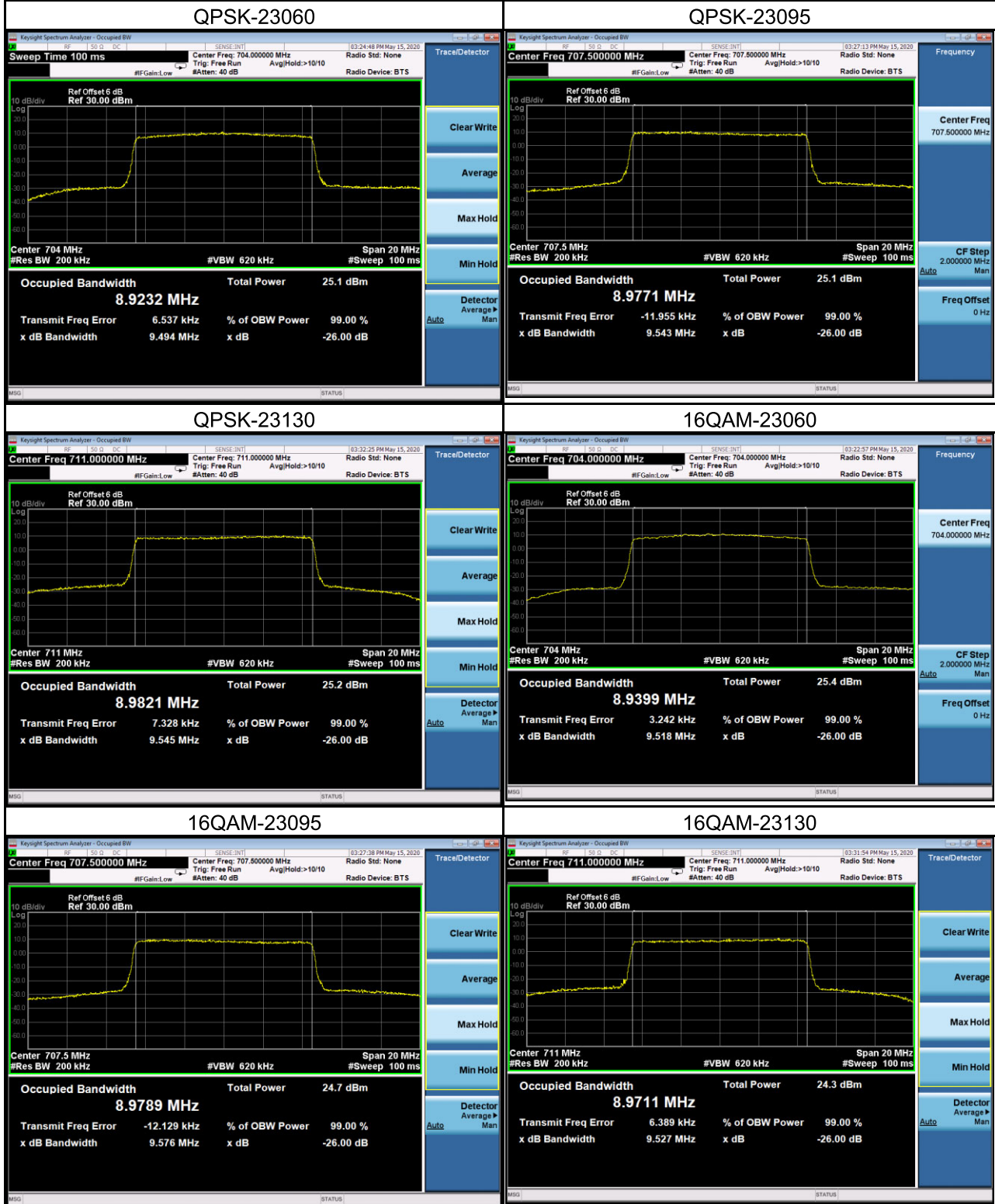
LTE Band 12_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23035	701.5	4.5094	23035	701.5	4.5015
23095	707.5	4.5171	23095	707.5	4.5027
23155	713.5	4.5063	23155	713.5	4.5073
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23035	701.5	4.9470	23035	701.5	4.9330
23095	707.5	5.0070	23095	707.5	4.9870
23155	713.5	4.9820	23155	713.5	4.9390

Spectrum Plot



LTE Band 12_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23060	704.0	8.9232	23060	704.0	8.9399
23095	707.5	8.9771	23095	707.5	8.9789
23130	711.0	8.9821	23130	711.0	8.9711
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23060	704.0	9.4940	23060	704.0	9.5180
23095	707.5	9.5430	23095	707.5	9.5760
23130	711.0	9.5450	23130	711.0	9.5270

Spectrum Plot

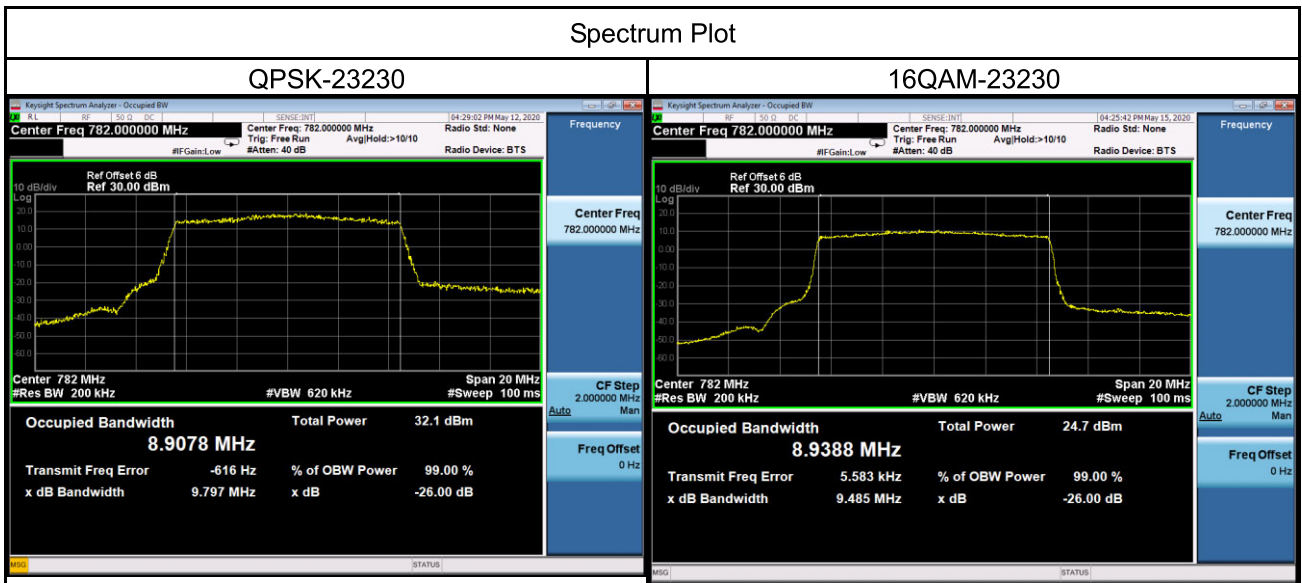


LTE Band 13_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23205	779.5	4.5190	23205	779.5	4.4957
23230	782.0	4.5015	23230	782.0	4.4837
23255	784.5	4.5056	23255	784.5	4.4999
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23205	779.5	4.9420	23205	779.5	4.8750
23230	782.0	4.9800	23230	782.0	4.8760
23255	784.5	4.9090	23255	784.5	4.8340

Spectrum Plot

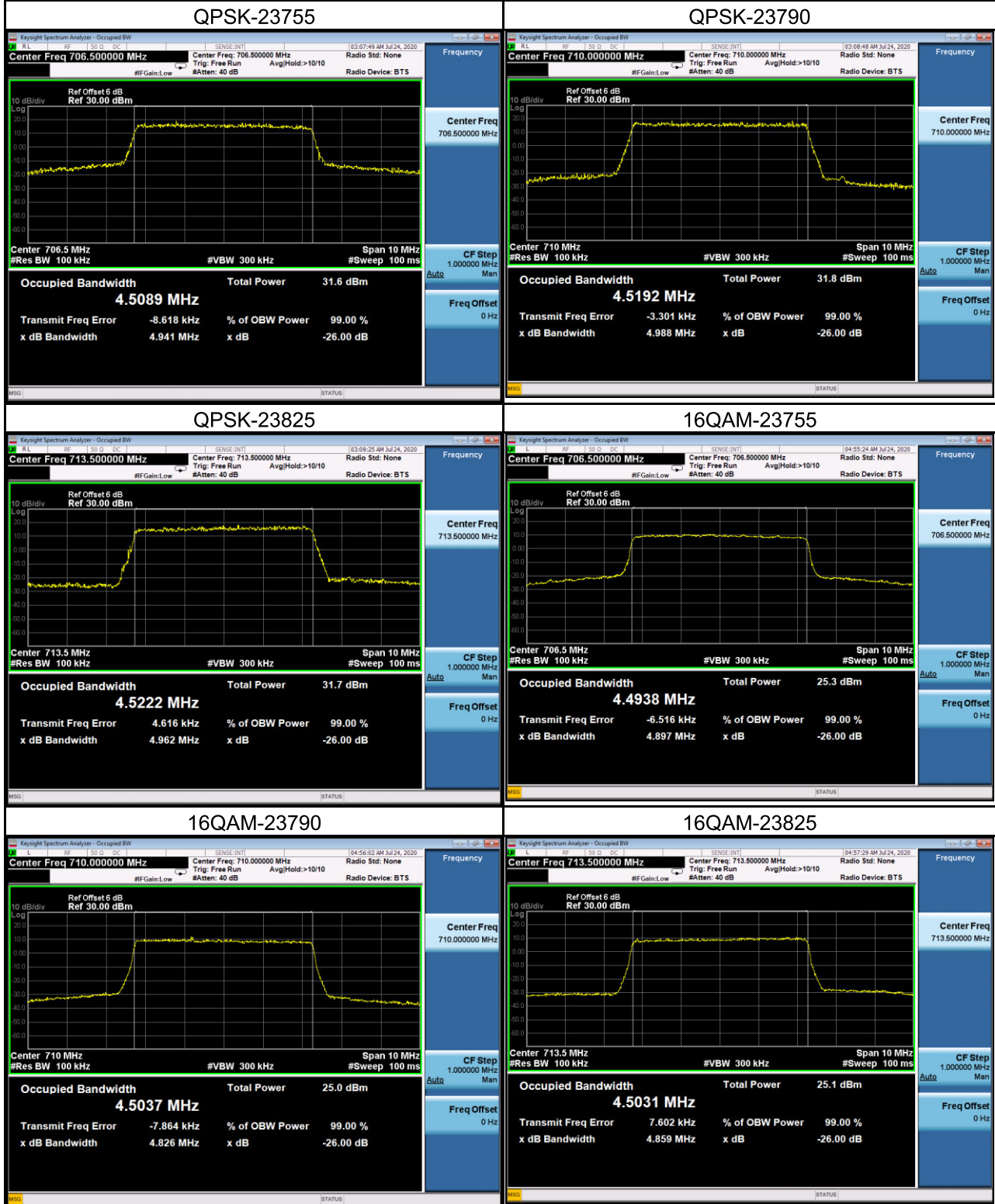


LTE Band 13_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23230	782.0	8.9078	23230	782.0	8.9388
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23230	782.0	9.7970	23230	782.0	9.4850



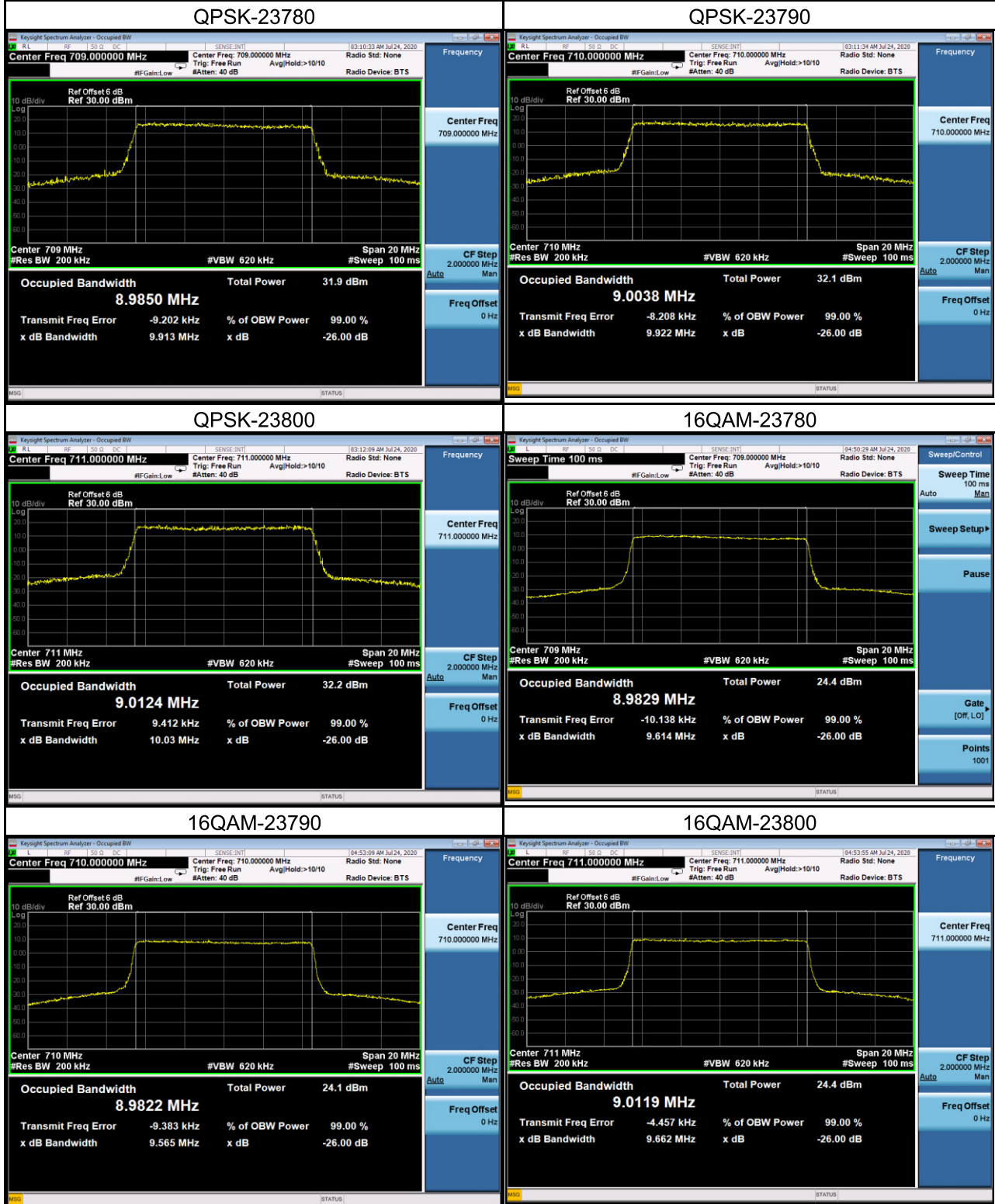
LTE Band 17_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23755	706.5	4.5089	23755	706.5	4.4938
23790	710	4.5192	23790	710	4.5037
23825	713.5	4.5222	23825	713.5	4.5031
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23755	706.5	4.9410	23755	706.5	4.8970
23790	710	4.9880	23790	710	4.8260
23825	713.5	4.9620	23825	713.5	4.8590

Spectrum Plot



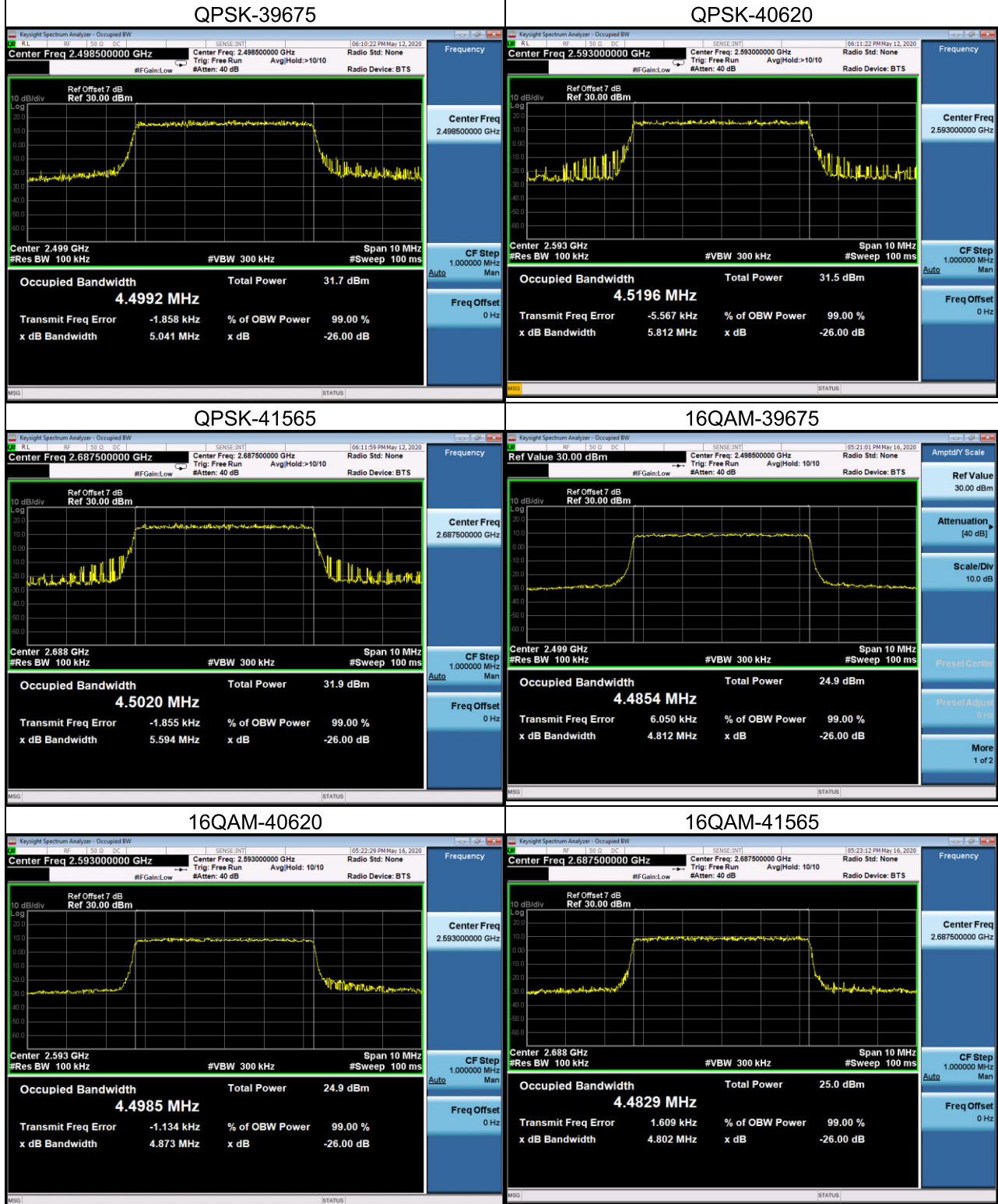
LTE Band 17_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23780	709	8.9850	23780	709	8.9829
23790	710	9.0038	23790	710	8.9822
23800	711	9.0124	23800	711	9.0119
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23780	709	9.9130	23780	709	9.6140
23790	710	9.9220	23790	710	9.5650
23800	711	10.0300	23800	711	9.6620

Spectrum Plot



LTE Band 41_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
39675	2498.5	4.4992	39675	2498.5	4.4854
40620	2593	4.5196	40620	2593	4.4985
41565	2687.5	4.5020	41565	2687.5	4.4829
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39675	2498.5	5.0410	39675	2498.5	4.8120
40620	2593	5.8120	40620	2593	4.8730
41565	2687.5	5.5940	41565	2687.5	4.8020

Spectrum Plot



LTE Band 41_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
39700	2501	8.9444	39700	2501	8.9414
40620	2593	8.9618	40620	2593	8.9629
41540	2685	8.9776	41540	2685	8.9609
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39700	2501	9.7740	39700	2501	9.6100
40620	2593	9.8930	40620	2593	9.5270
41540	2685	10.770	41540	2685	9.5770