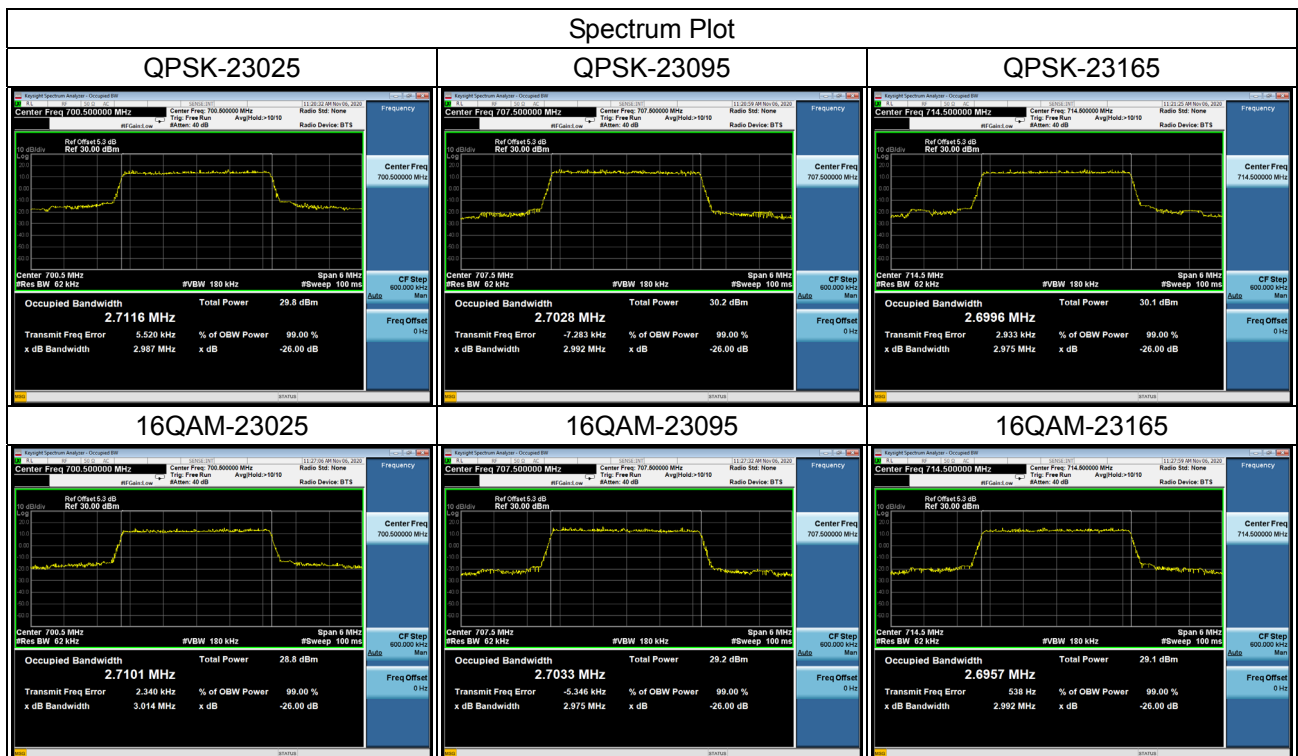
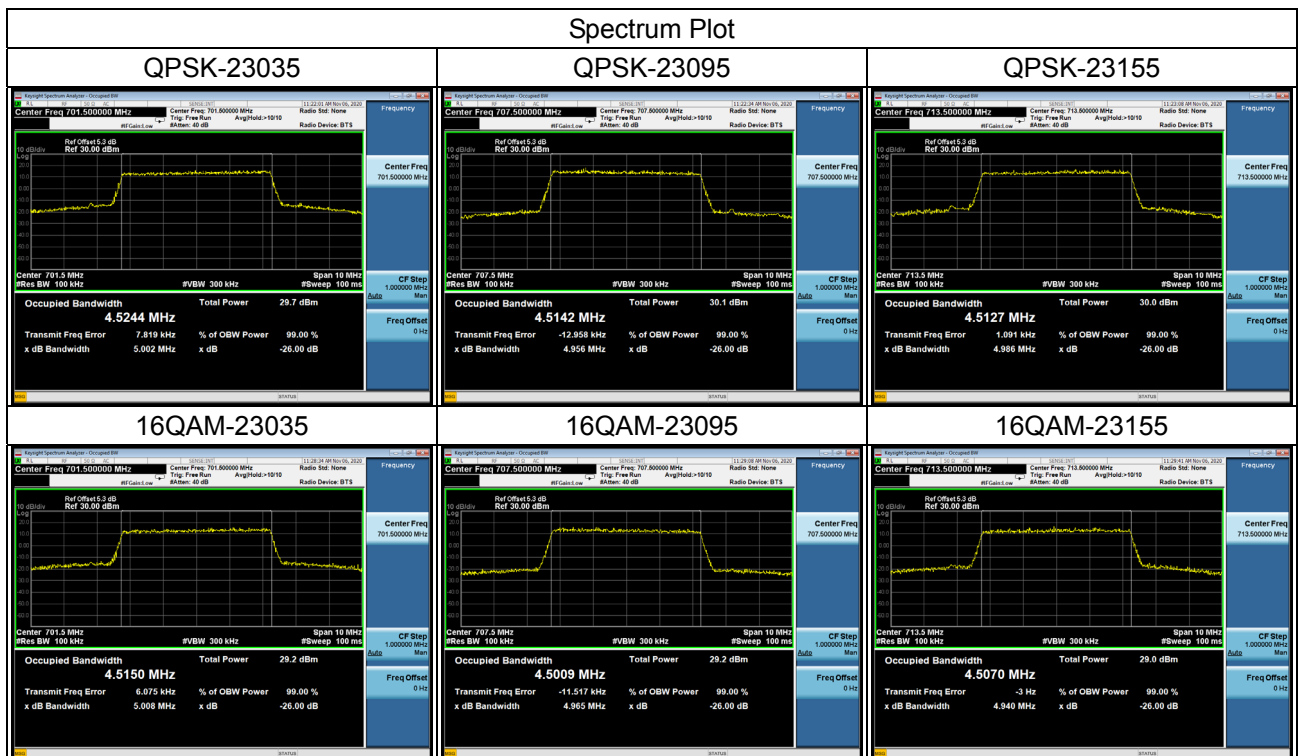


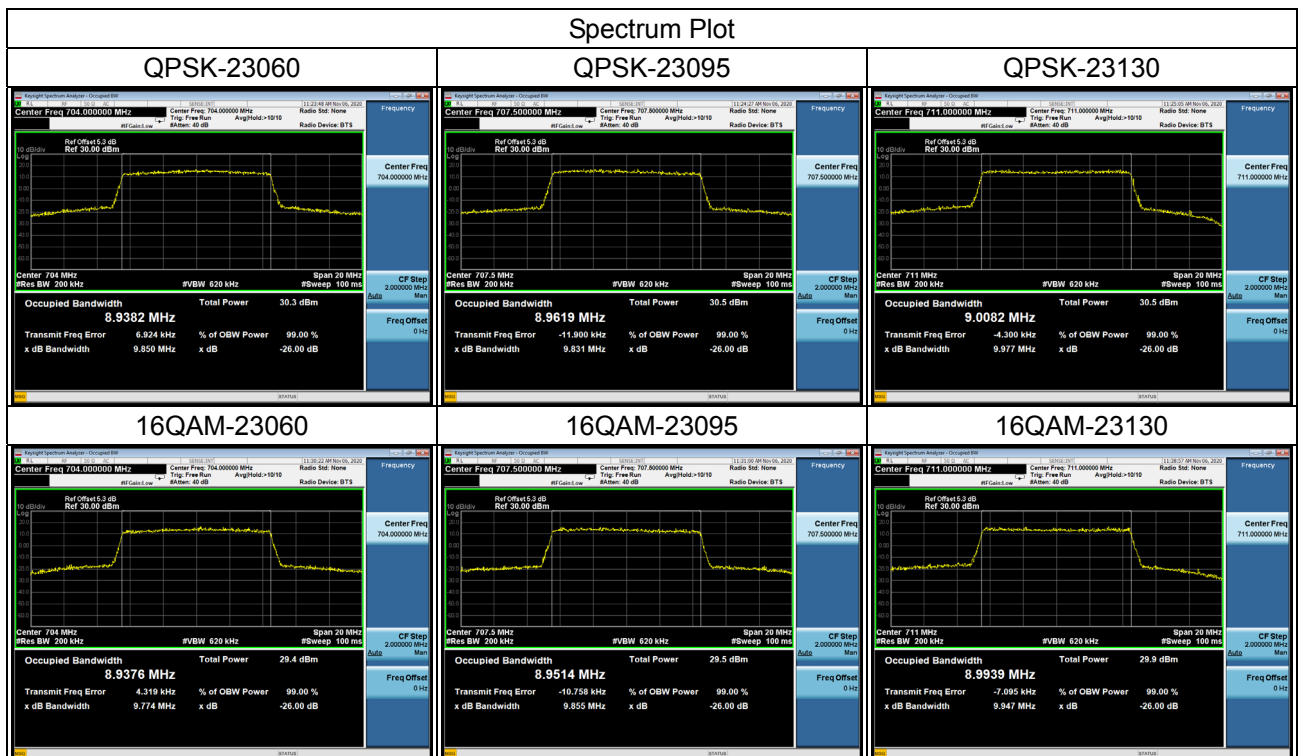
LTE Band 12_3MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23025	700.5	2.7116	2.7101	2.987	3.014
23095	707.5	2.7028	2.7033	2.992	2.975
23165	714.5	2.6996	2.6957	2.975	2.992



LTE Band 12_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23035	701.5	4.5244	4.5150	5.002	5.008
23095	707.5	4.5142	4.5009	4.956	4.965
23155	713.5	4.5127	4.5070	4.986	4.940

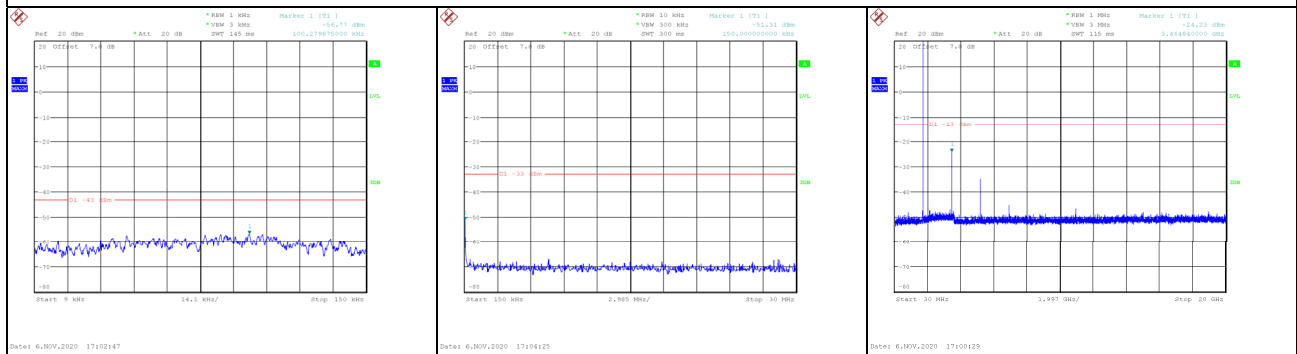


LTE Band 12_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
23060	704.0	8.9382	8.9376	9.850	9.774
23095	707.5	8.9619	8.9514	9.831	9.855
23130	711.0	9.0082	8.9939	9.977	9.947

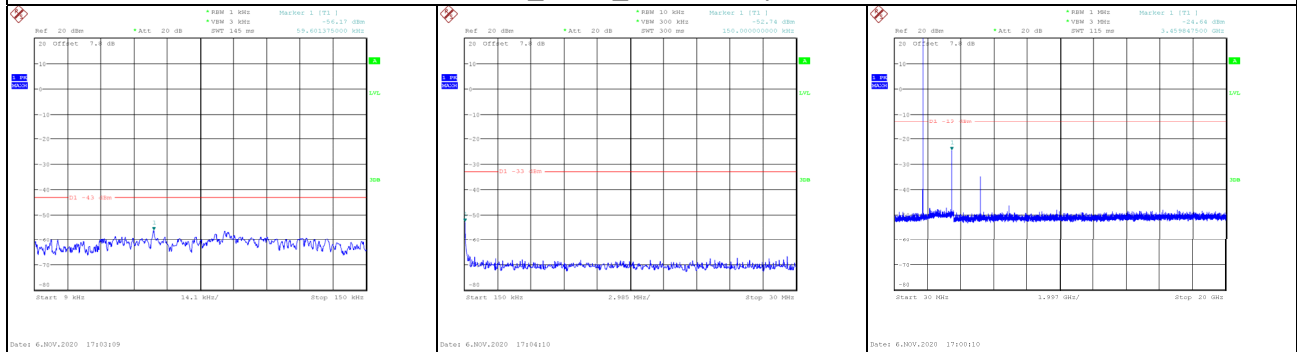


APPENDIX C - CONDUCTED SPURIOUS EMISSIONS

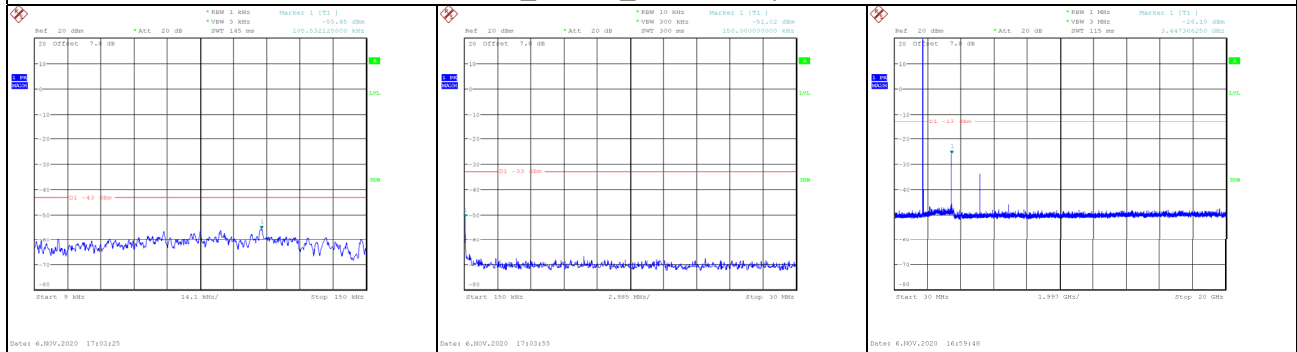
LTE Band 4_1.4MHz_CH20175 Spectrum Plot



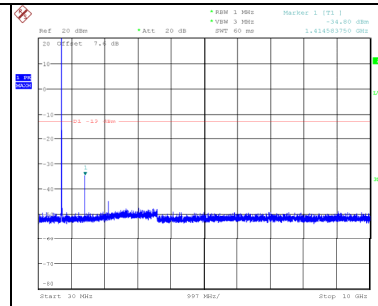
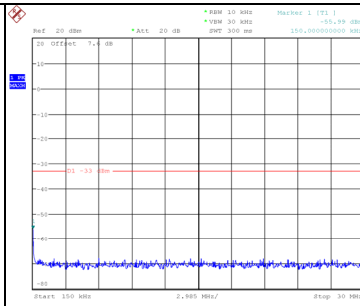
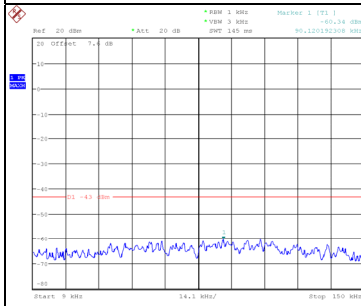
LTE Band 4_5MHz_CH20175 Spectrum Plot



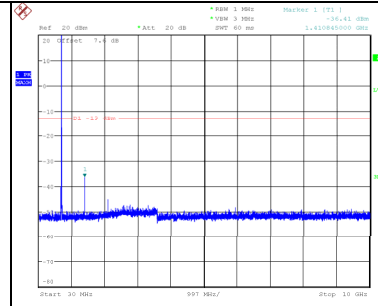
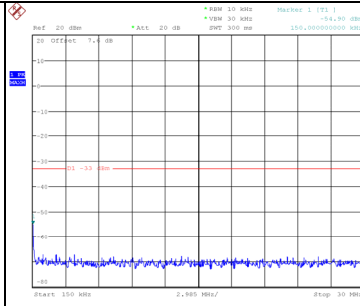
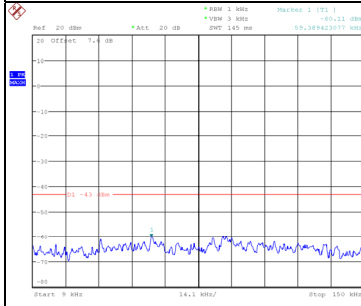
LTE Band 4_20MHz_CH20175 Spectrum Plot



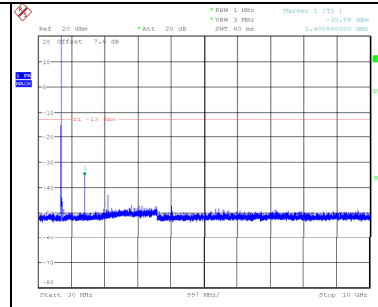
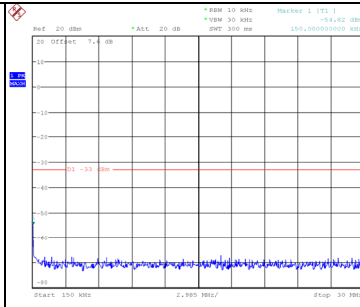
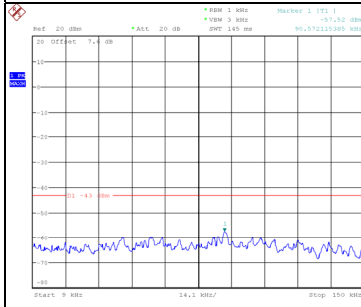
LTE Band 12_1.4MHz_CH23095 Spectrum Plot



LTE Band 12_5MHz_CH23095 Spectrum Plot



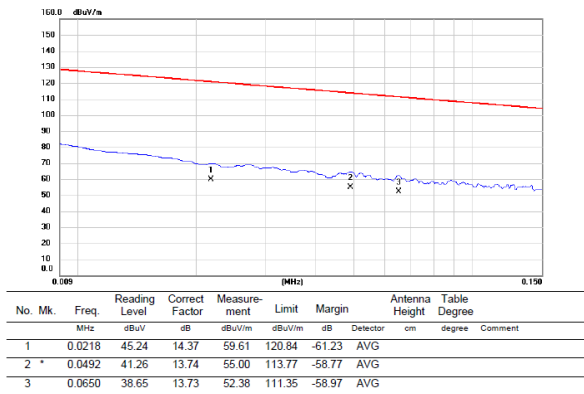
LTE Band 12_10MHz_CH23095 Spectrum Plot



APPENDIX D - RADIATED SPURIOUS EMISSIONS (9KHZ TO 30MHZ)

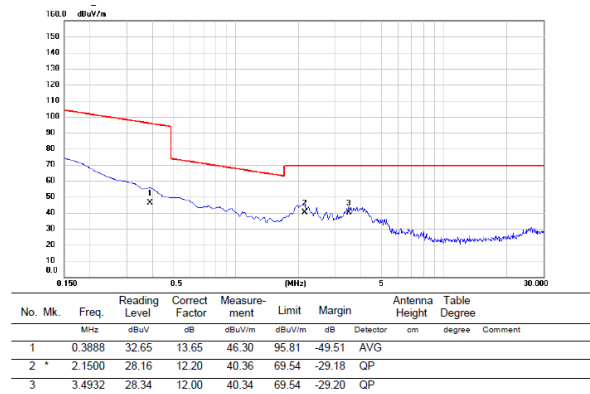
Test Mode : TX Mode

Ant 0°



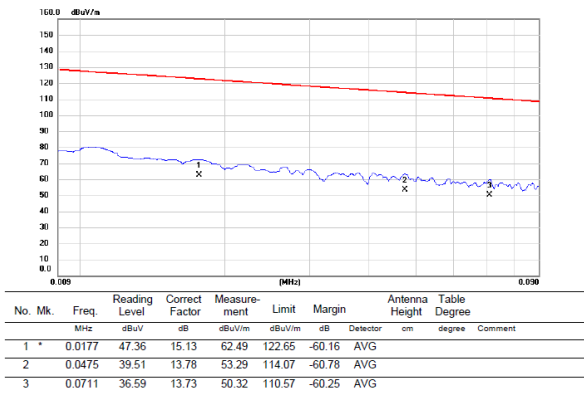
Test Mode : TX Mode

Ant 0°



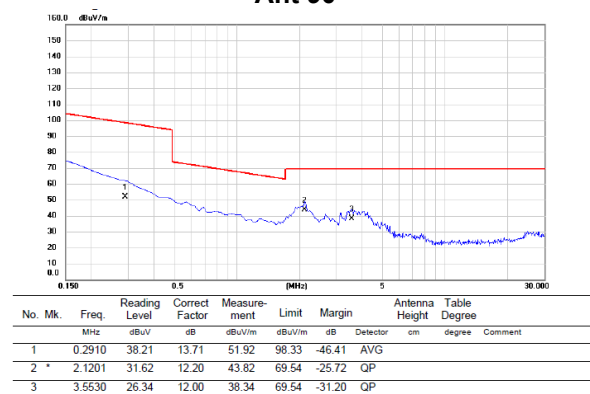
Test Mode : TX Mode

Ant 90°



Test Mode : TX Mode

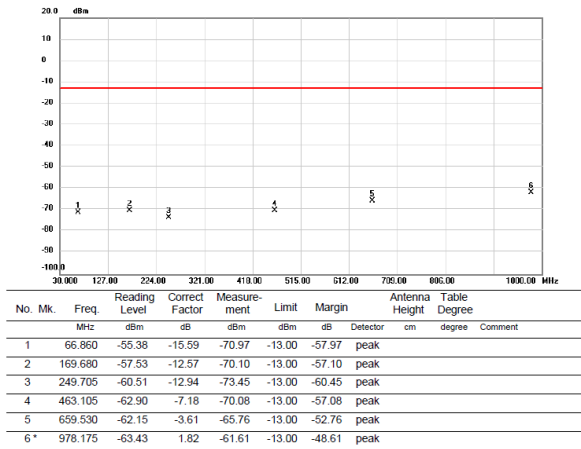
Ant 90°



APPENDIX E - RADIATED SPURIOUS EMISSIONS (30MHZ TO 1GHZ)

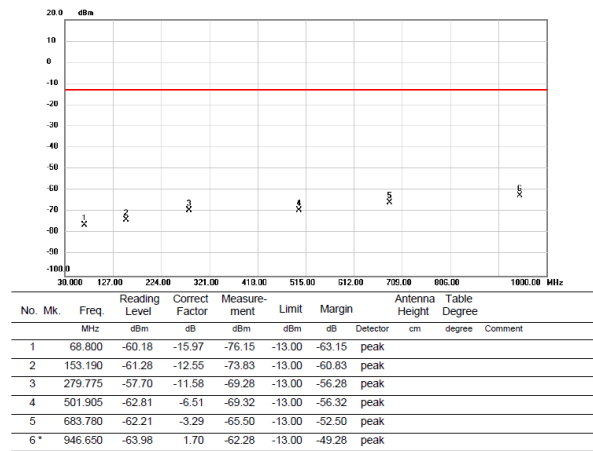
Test Mode : LTE Band 4_TX CH20175_1.4MHz

Vertical



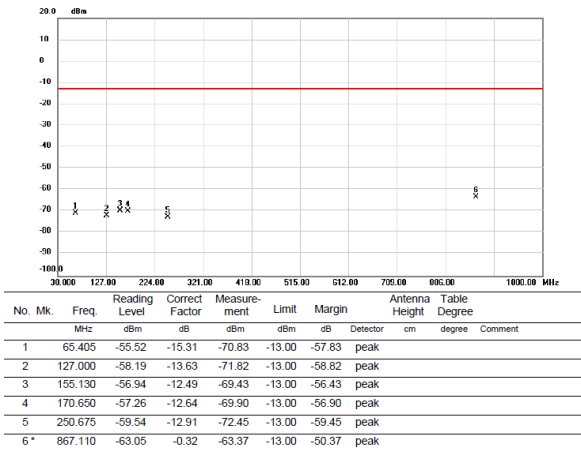
Test Mode : LTE Band 4_TX CH20175_1.4MHz

Horizontal



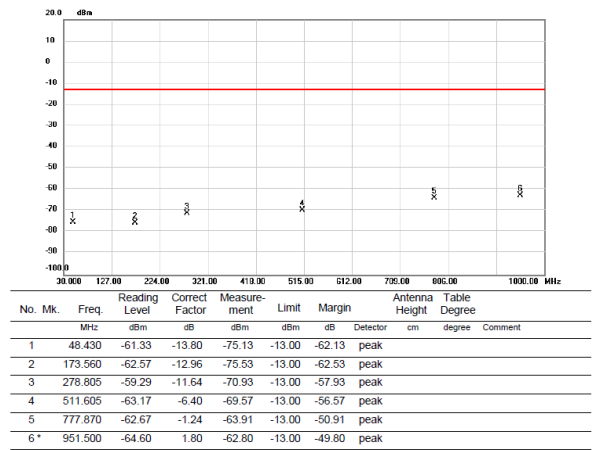
Test Mode : LTE Band 4_TX CH20175_5MHz

Vertical



Test Mode : LTE Band 4_TX CH20175_5MHz

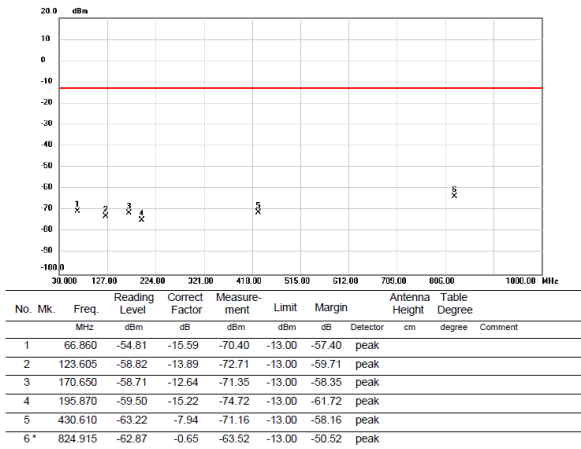
Horizontal



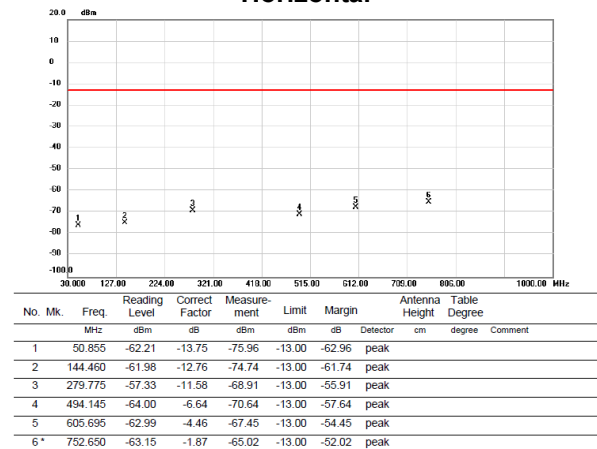
Test Mode : LTE Band 4_TX CH20175_20MHz

Test Mode : LTE Band 4_TX CH20175_20MHz

Vertical



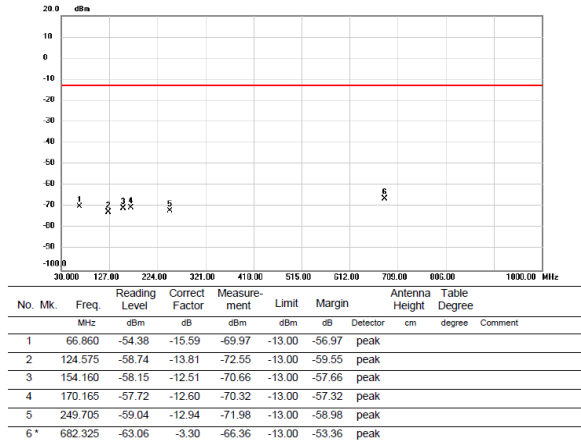
Horizontal



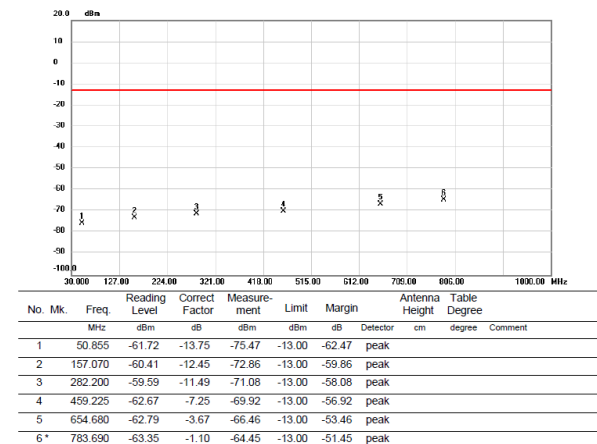
Test Mode : LTE Band 12_TX CH23095_1.4MHz

Test Mode : LTE Band 12_TX CH23095_1.4MHz

Vertical

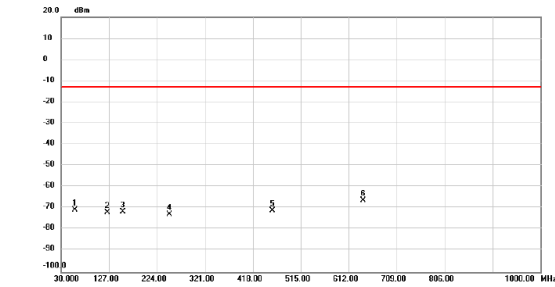


Horizontal



Test Mode : LTE Band 12_TX CH23095_5MHz

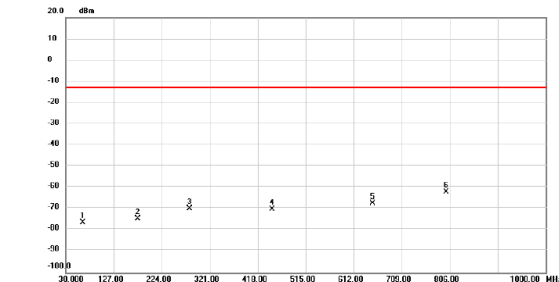
Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	57.645	-56.49	-14.22	-70.71	-13.00	-57.71	peak			
2	123.605	-58.18	-13.89	-72.07	-13.00	-59.07	peak			
3	154.645	-59.01	-12.51	-71.52	-13.00	-58.52	peak			
4	249.705	-59.91	-12.94	-72.85	-13.00	-59.85	peak			
5	457.770	-63.82	-7.27	-71.09	-13.00	-58.09	peak			
6 *	641.585	-62.37	-3.88	-66.25	-13.00	-53.25	peak			

Test Mode : LTE Band 12_TX CH23095_5MHz

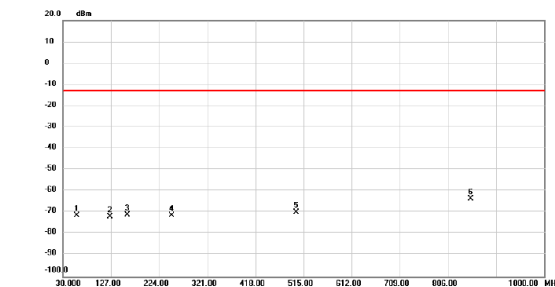
Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	64.435	-61.42	-15.14	-76.56	-13.00	-63.56	peak			
2	175.015	-61.63	-13.11	-74.74	-13.00	-61.74	peak			
3	279.775	-58.39	-11.58	-69.97	-13.00	-56.97	peak			
4	446.615	-62.75	-7.49	-70.24	-13.00	-57.24	peak			
5	649.830	-63.80	-3.74	-67.54	-13.00	-54.54	peak			
6 *	799.210	-61.47	-0.70	-62.17	-13.00	-49.17	peak			

Test Mode : LTE Band 12_TX CH23095_10MHz

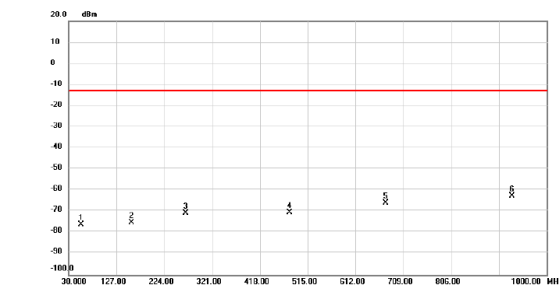
Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	57.645	-57.11	-14.22	-71.33	-13.00	-58.33	peak			
2	124.575	-58.26	-13.81	-72.07	-13.00	-59.07	peak			
3	159.495	-58.53	-12.39	-70.92	-13.00	-57.92	peak			
4	249.705	-58.26	-12.94	-71.20	-13.00	-58.20	peak			
5	500.450	-63.32	-6.54	-69.86	-13.00	-56.86	peak			
6 *	852.075	-62.91	-0.60	-63.51	-13.00	-50.51	peak			

Test Mode : LTE Band 12_TX CH23095_10MHz

Horizontal



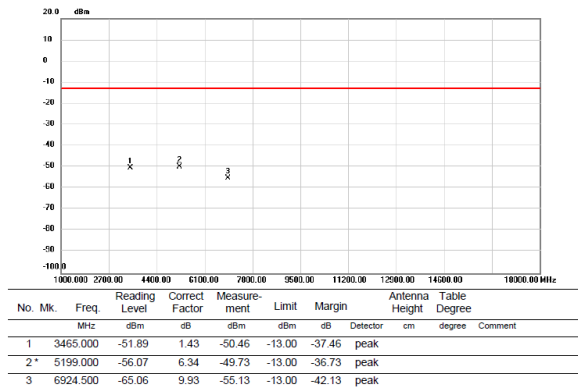
No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	55.705	-62.11	-14.16	-76.27	-13.00	-63.27	peak			
2	157.555	-62.83	-12.43	-75.26	-13.00	-62.26	peak			
3	267.650	-58.56	-12.26	-70.82	-13.00	-57.82	peak			
4	477.655	-63.40	-6.93	-70.33	-13.00	-57.33	peak			
5	673.595	-62.67	-3.42	-66.09	-13.00	-53.09	peak			
6 *	929.190	-63.93	1.16	-62.77	-13.00	-49.77	peak			

APPENDIX F - RADIATED SPURIOUS EMISSIONS (ABOVE 1GHZ)

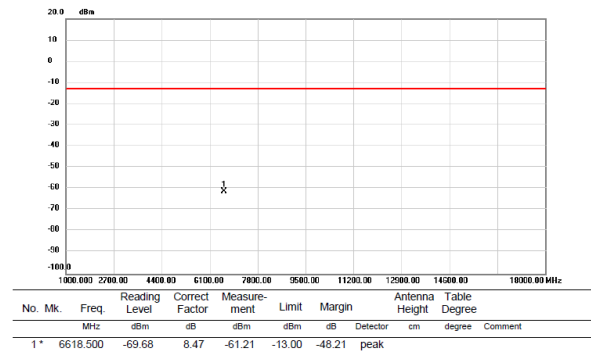
Test Mode : LTE Band 4_TX CH20175_1.4MHz

Test Mode : LTE Band 4_TX CH20175_1.4MHz

Vertical



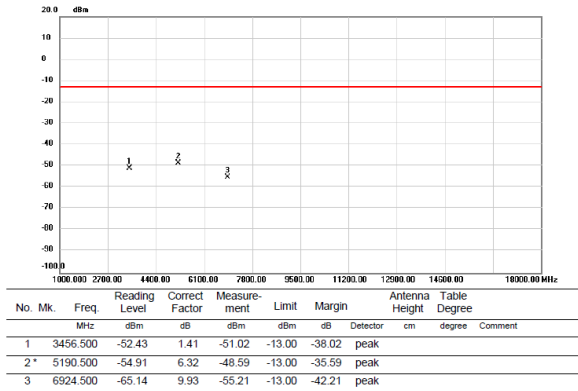
Horizontal



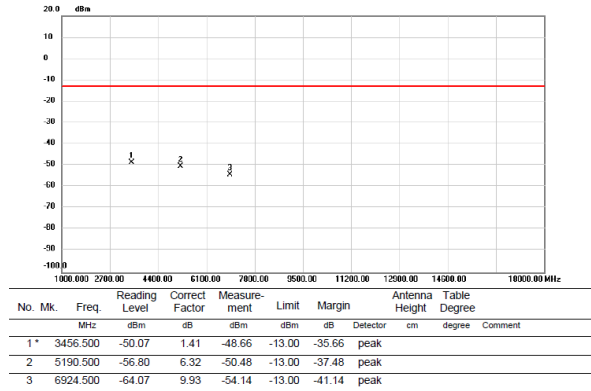
Test Mode : LTE Band 4_TX CH20175_5MHz

Test Mode : LTE Band 4_TX CH20175_5MHz

Vertical



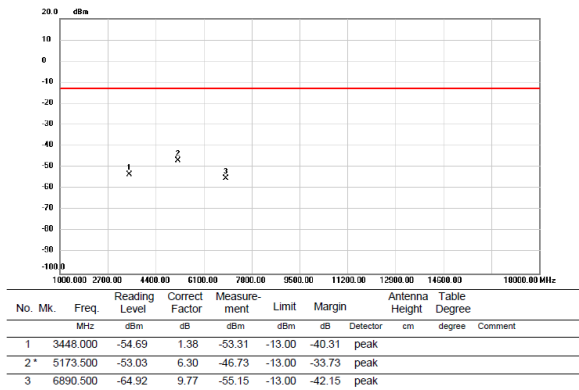
Horizontal



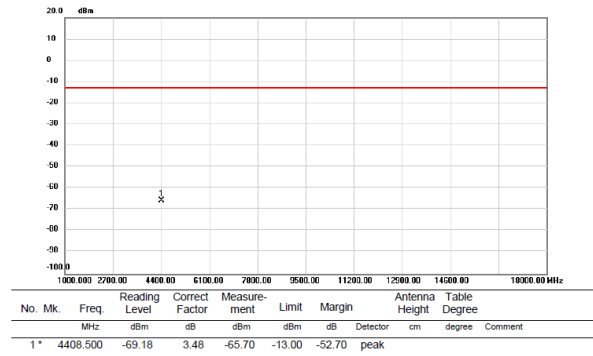
Test Mode : LTE Band 4_TX CH20175_20MHz

Test Mode : LTE Band 4_TX CH20175_20MHz

Vertical



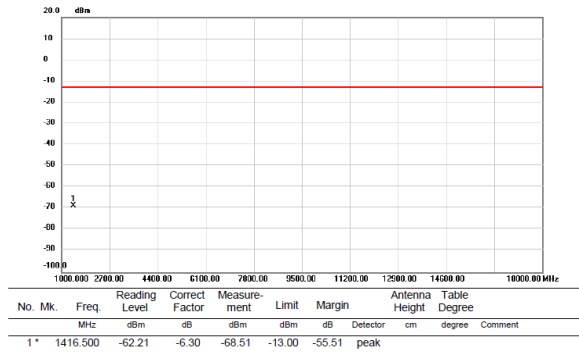
Horizontal



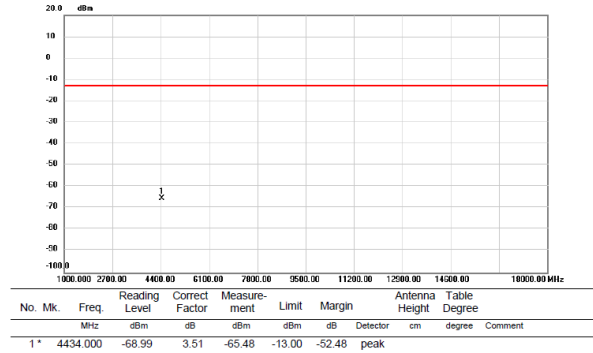
Test Mode : LTE Band 12_TX CH23095_1.4MHz

Test Mode : LTE Band 12_TX CH23095_1.4MHz

Vertical



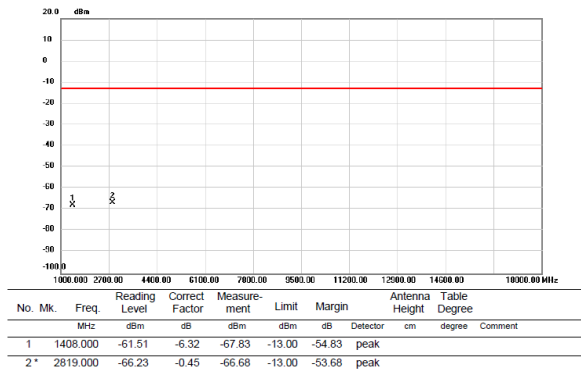
Horizontal



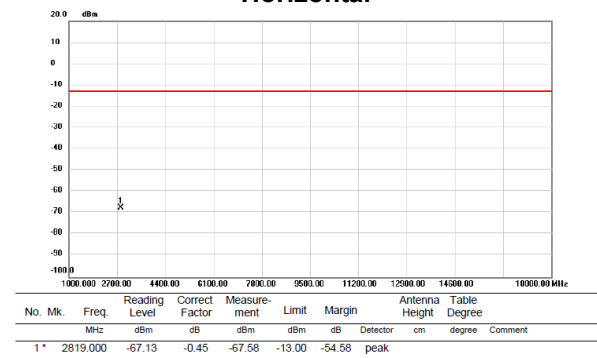
Test Mode : LTE Band 12_TX CH23095_5MHz

Test Mode : LTE Band 12_TX CH23095_5MHz

Vertical



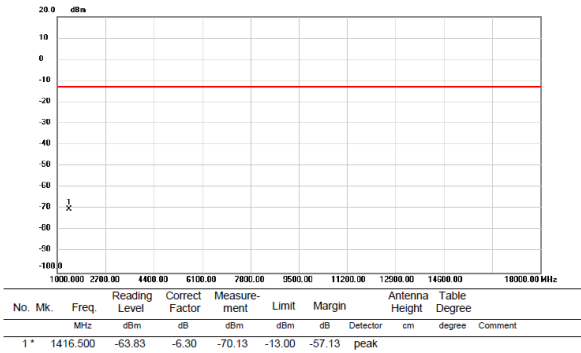
Horizontal



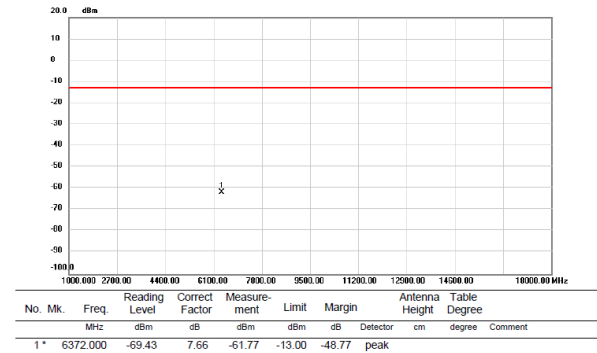
Test Mode : LTE Band 12_TX CH23095_10MHz

Test Mode : LTE Band 12_TX CH23095_10MHz

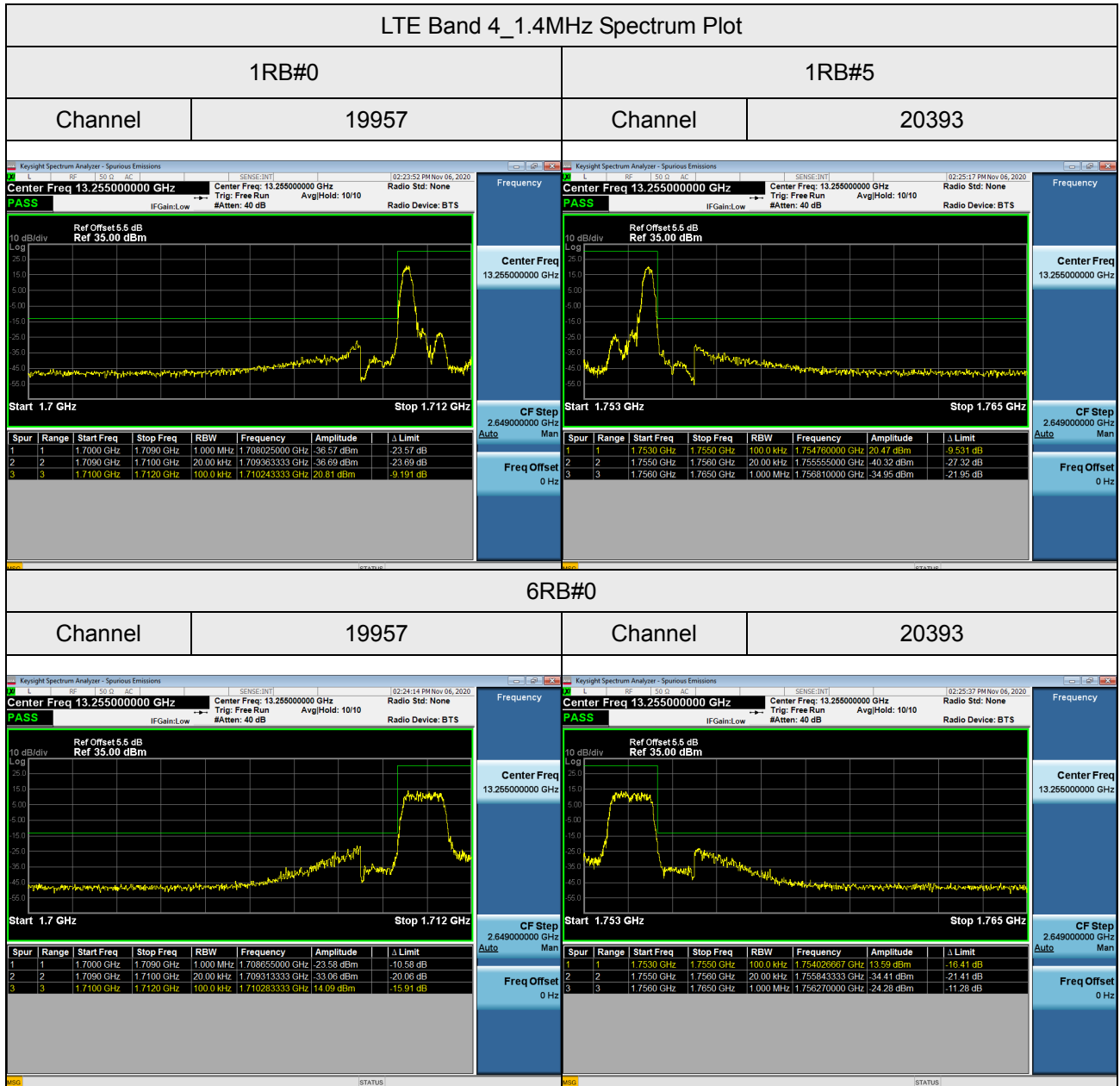
Vertical

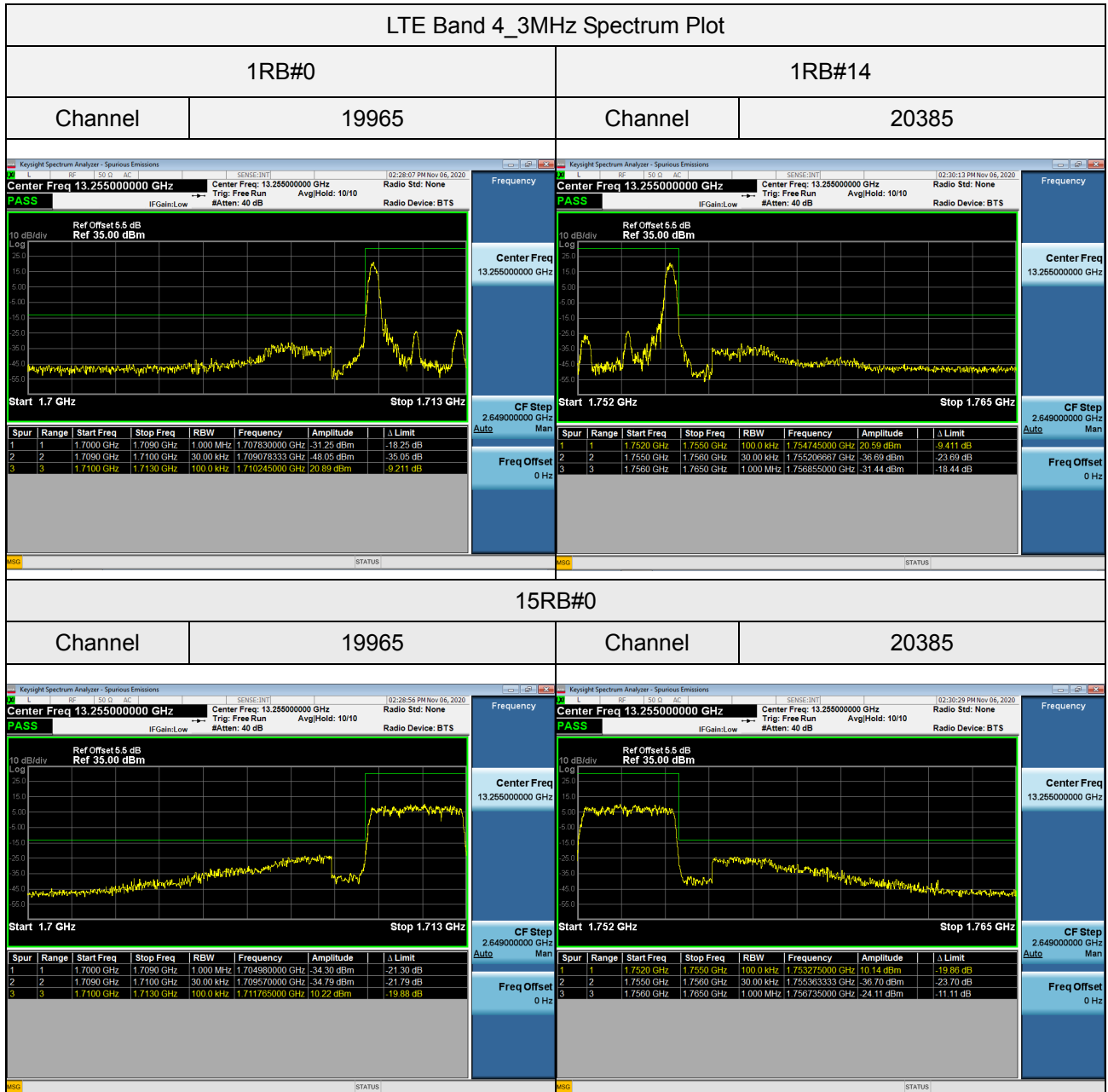


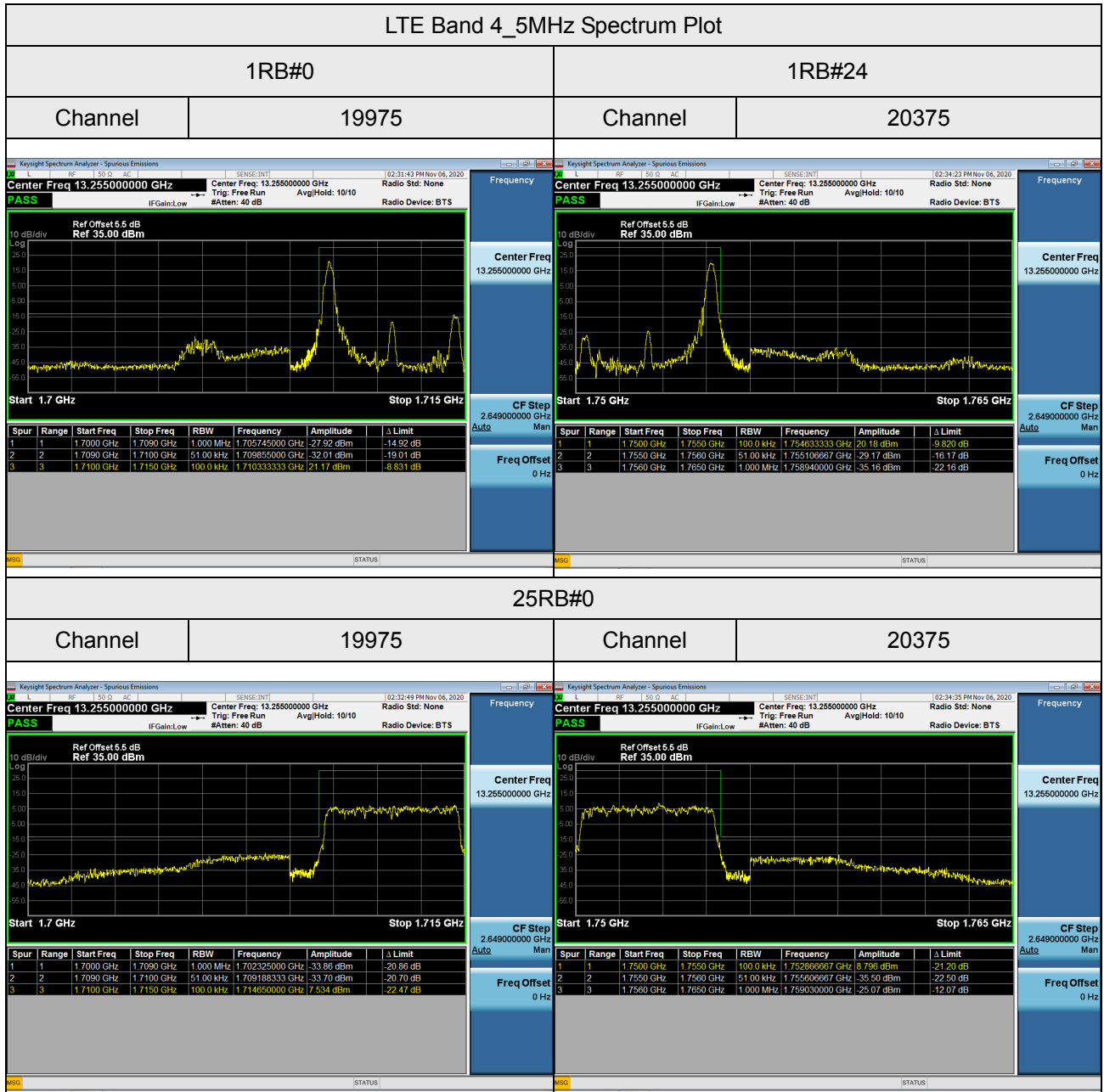
Horizontal

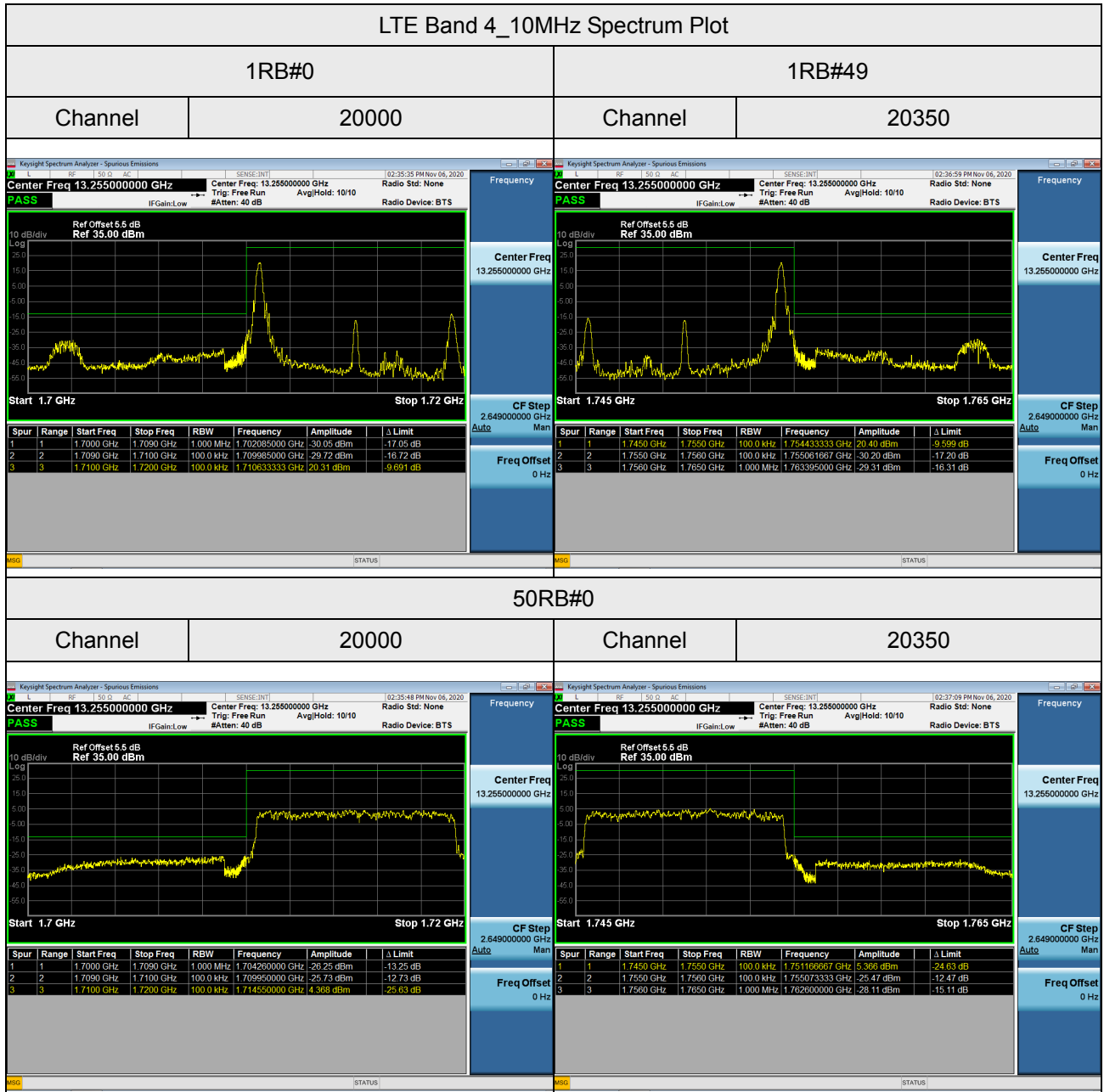


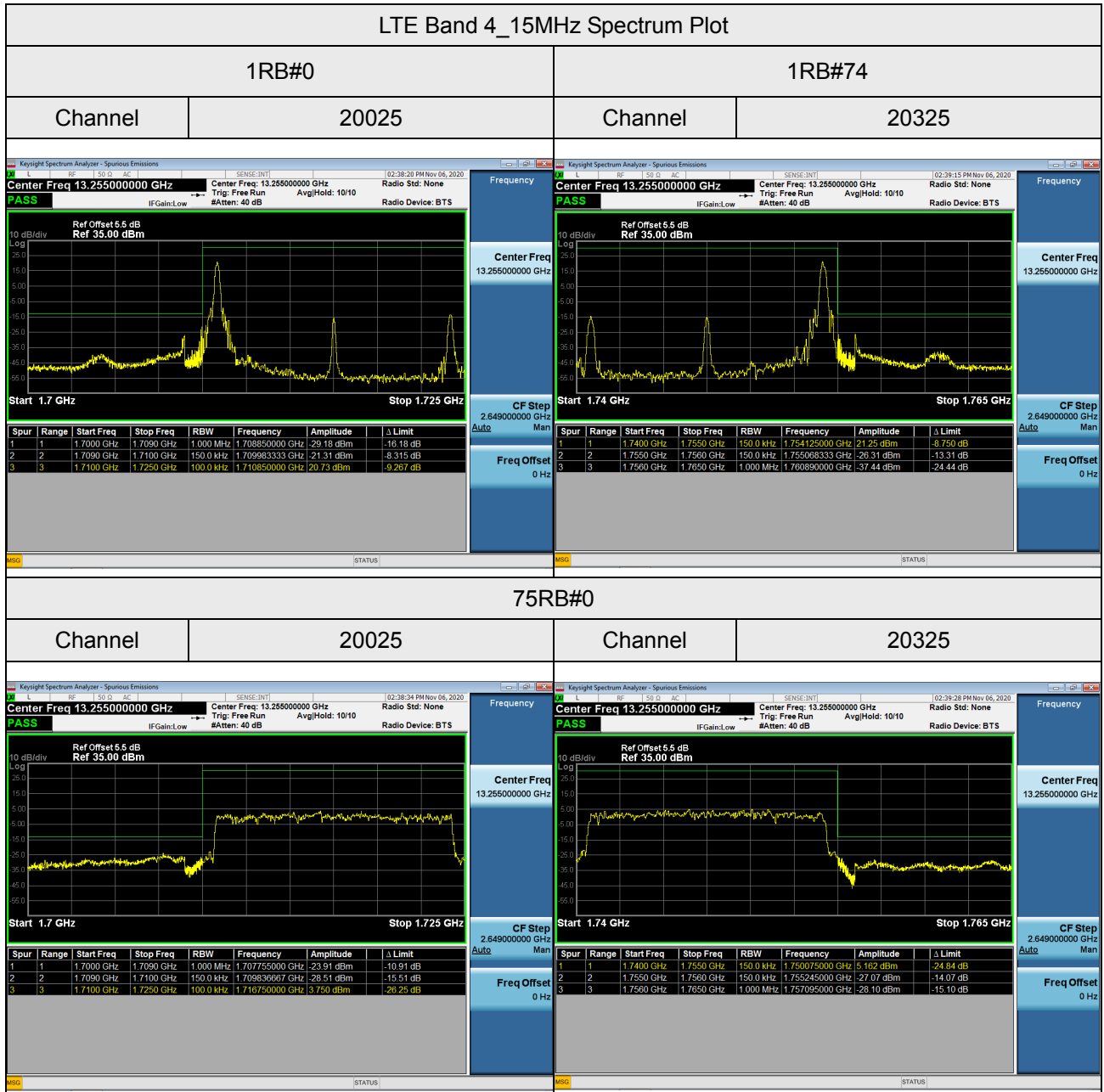
APPENDIX G - BAND EDGE

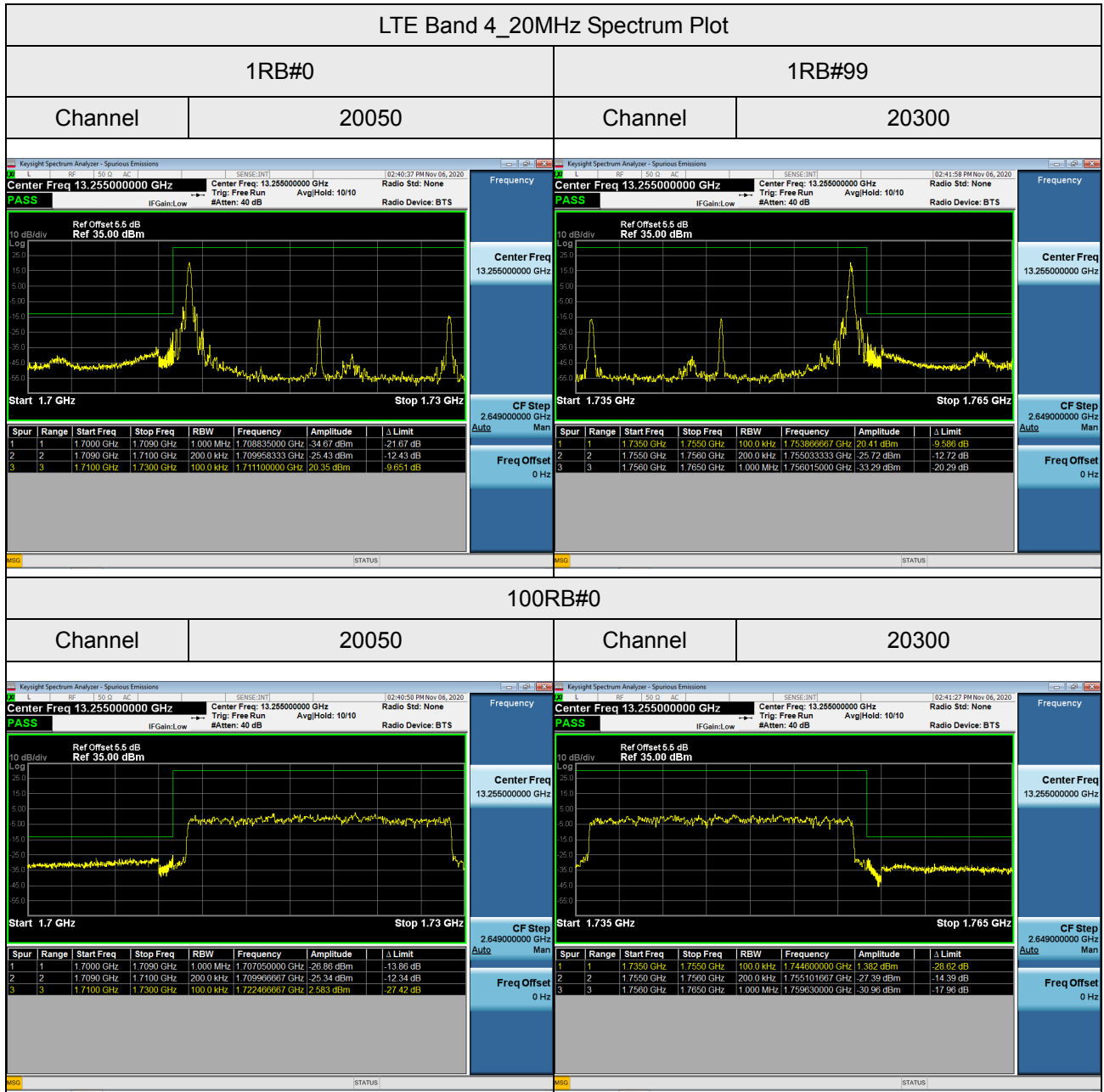


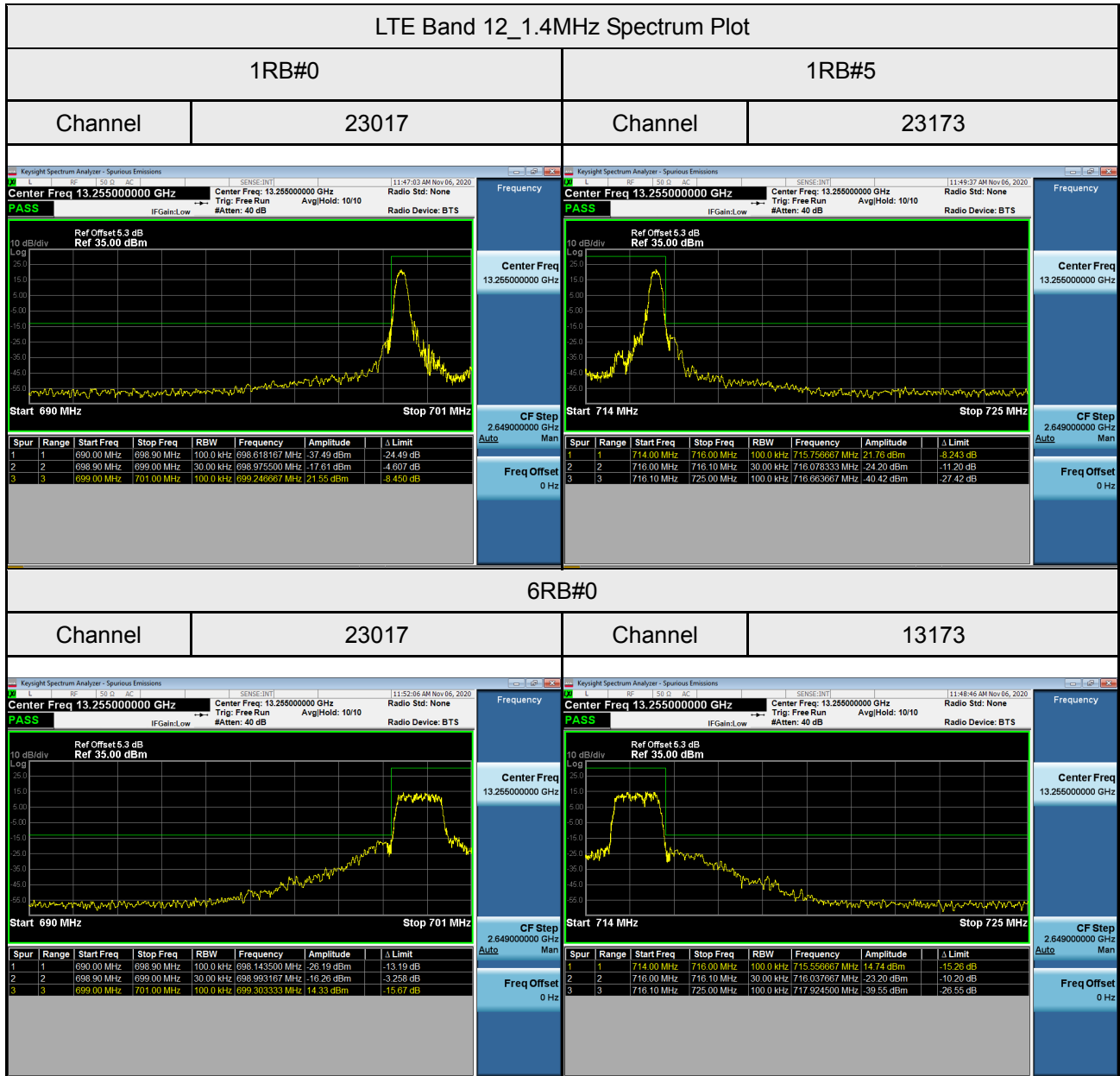


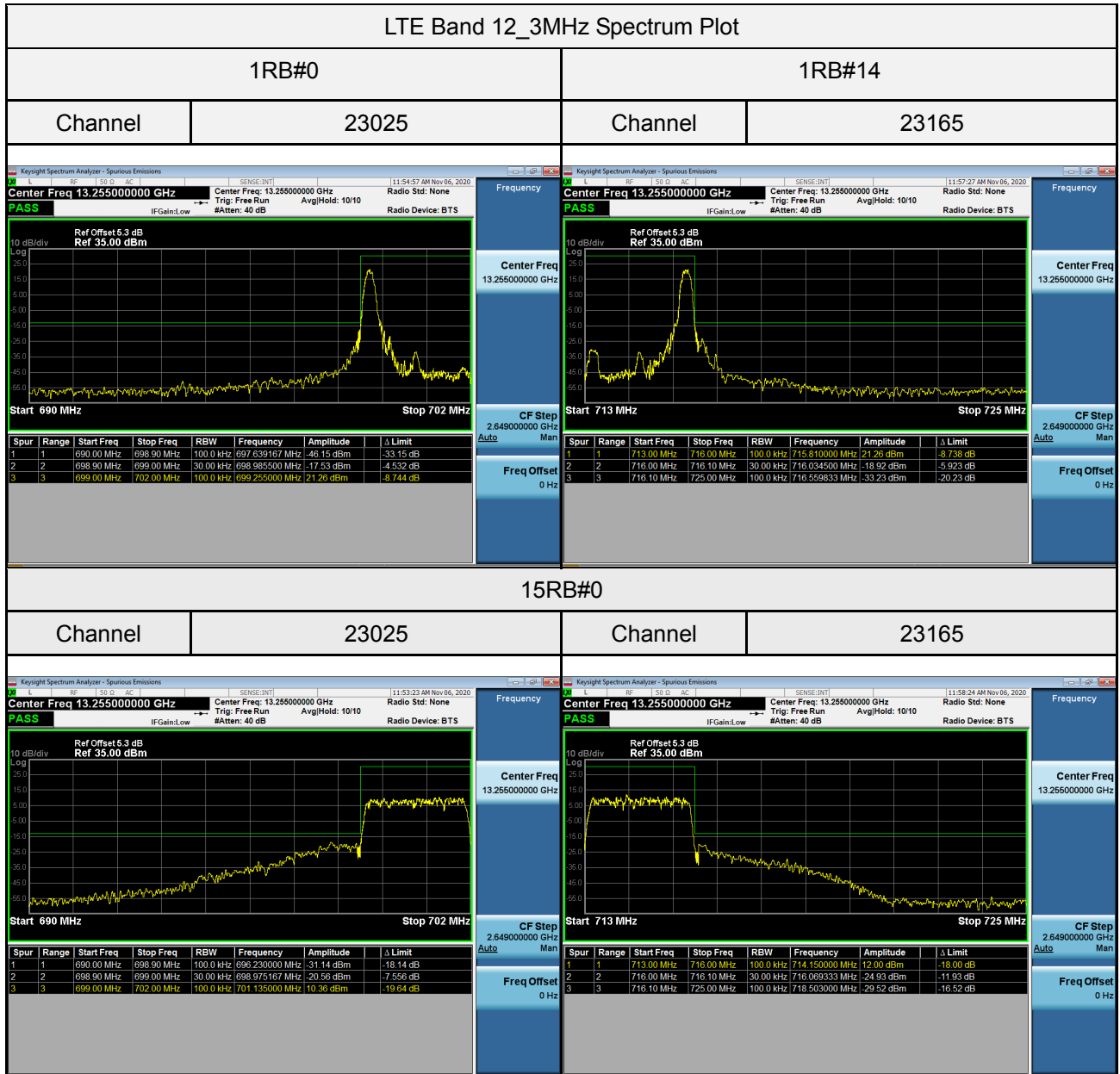


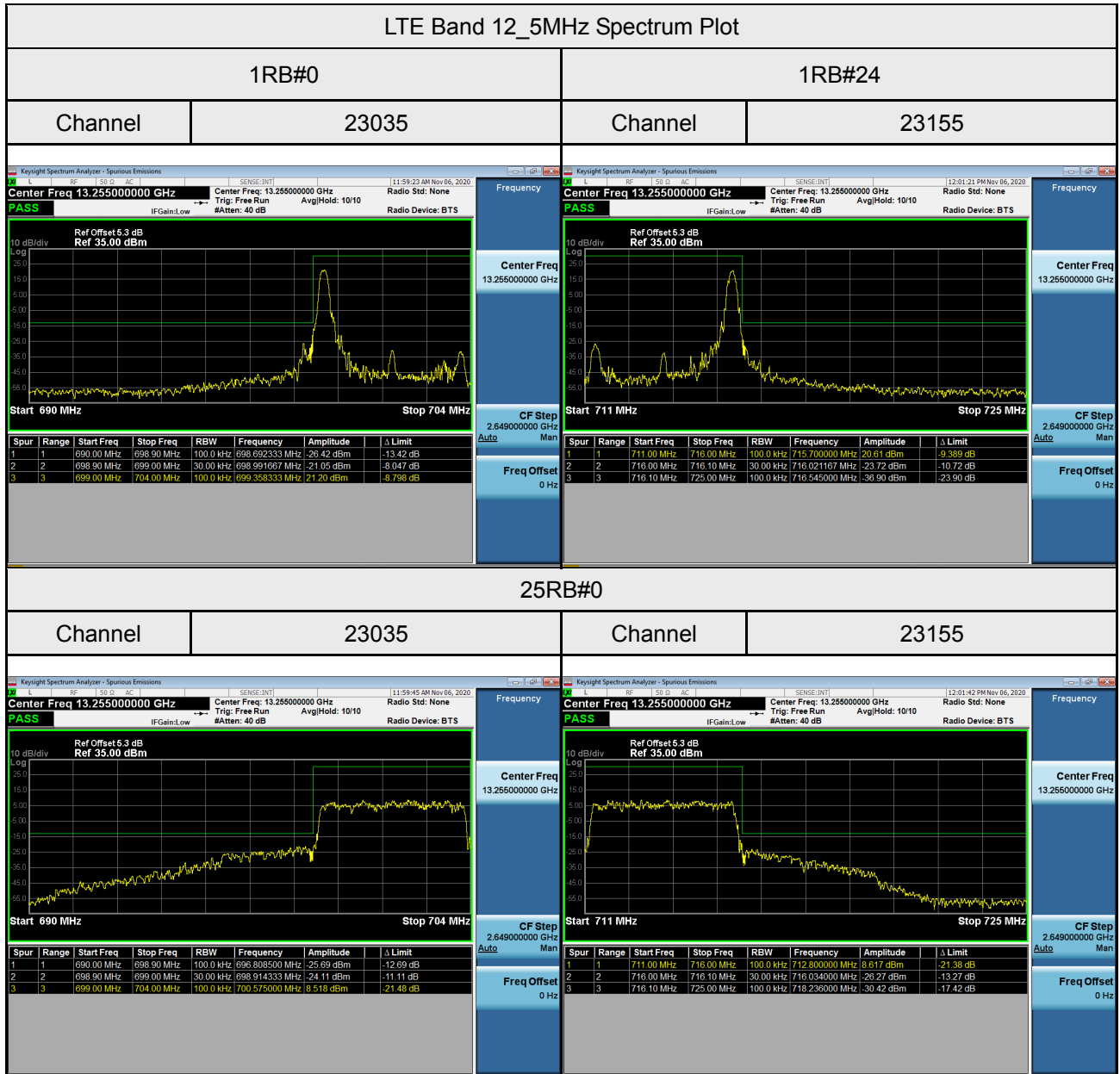


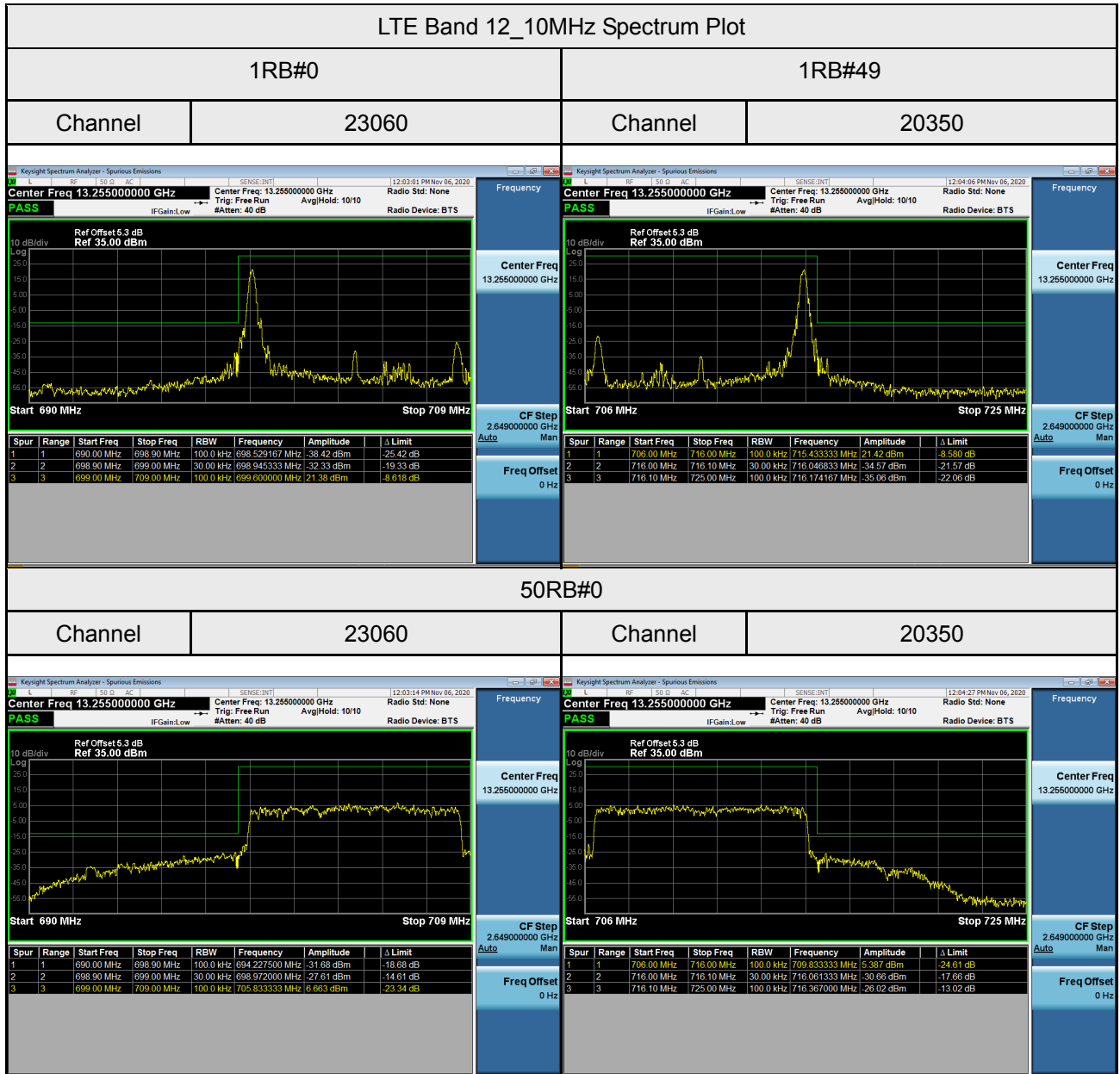






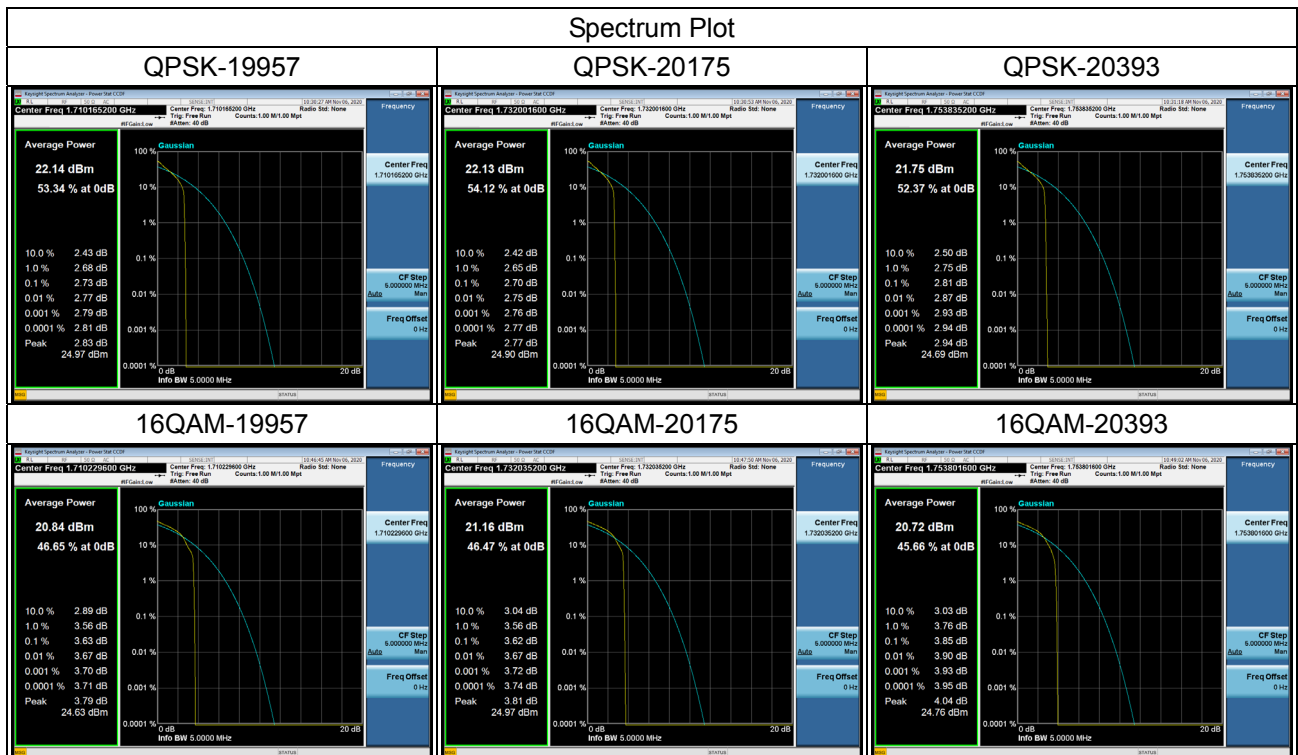




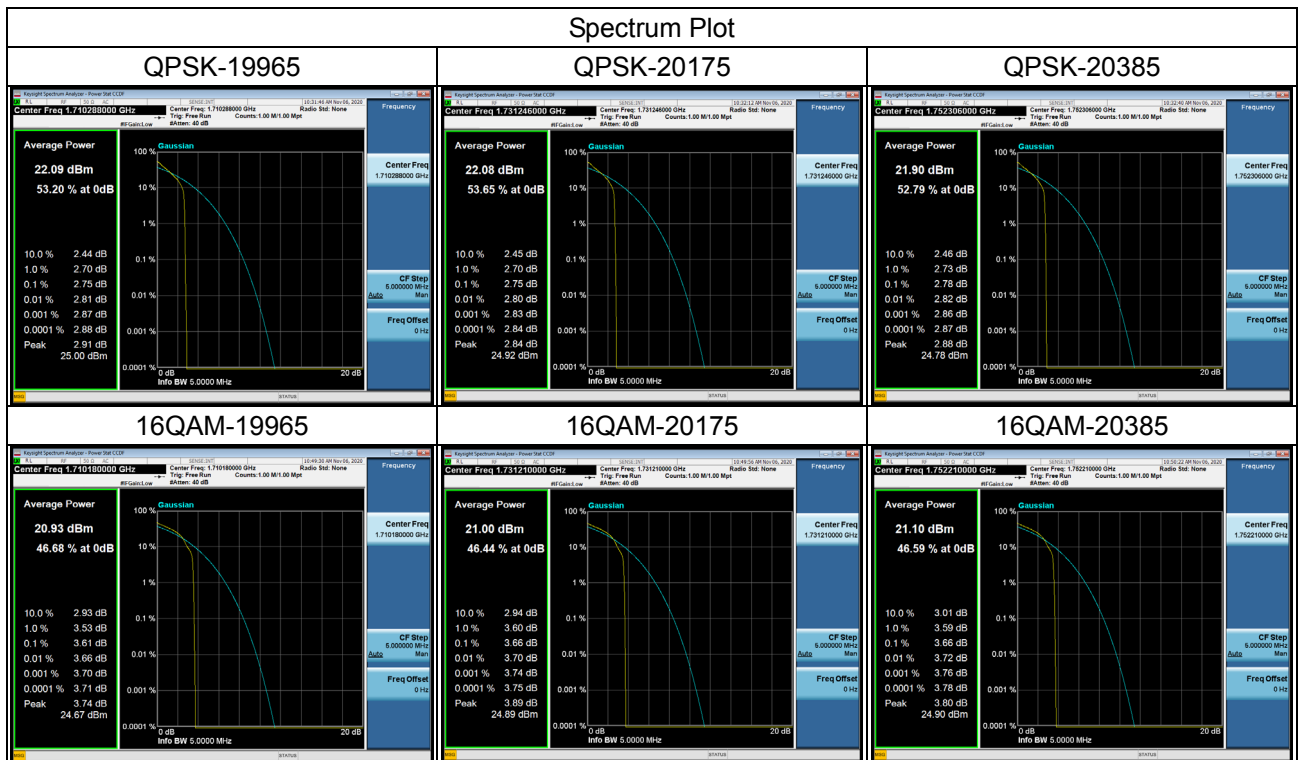


APPENDIX H - PEAK TO AVERAGE RATIO

LTE Band 4_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
19957	1710.7	2.73	3.63	13	Pass
20175	1732.5	2.70	3.62	13	Pass
20393	1754.3	2.81	3.85	13	Pass



LTE Band 4_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
19965	1711.5	2.75	3.61	13	Pass
20175	1732.5	2.75	3.66	13	Pass
20385	1753.5	2.78	3.66	13	Pass



LTE Band 4_5MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
19975	1712.5	2.72	3.52	13	Pass
20175	1732.5	2.70	3.68	13	Pass
20375	1752.5	2.71	3.51	13	Pass

