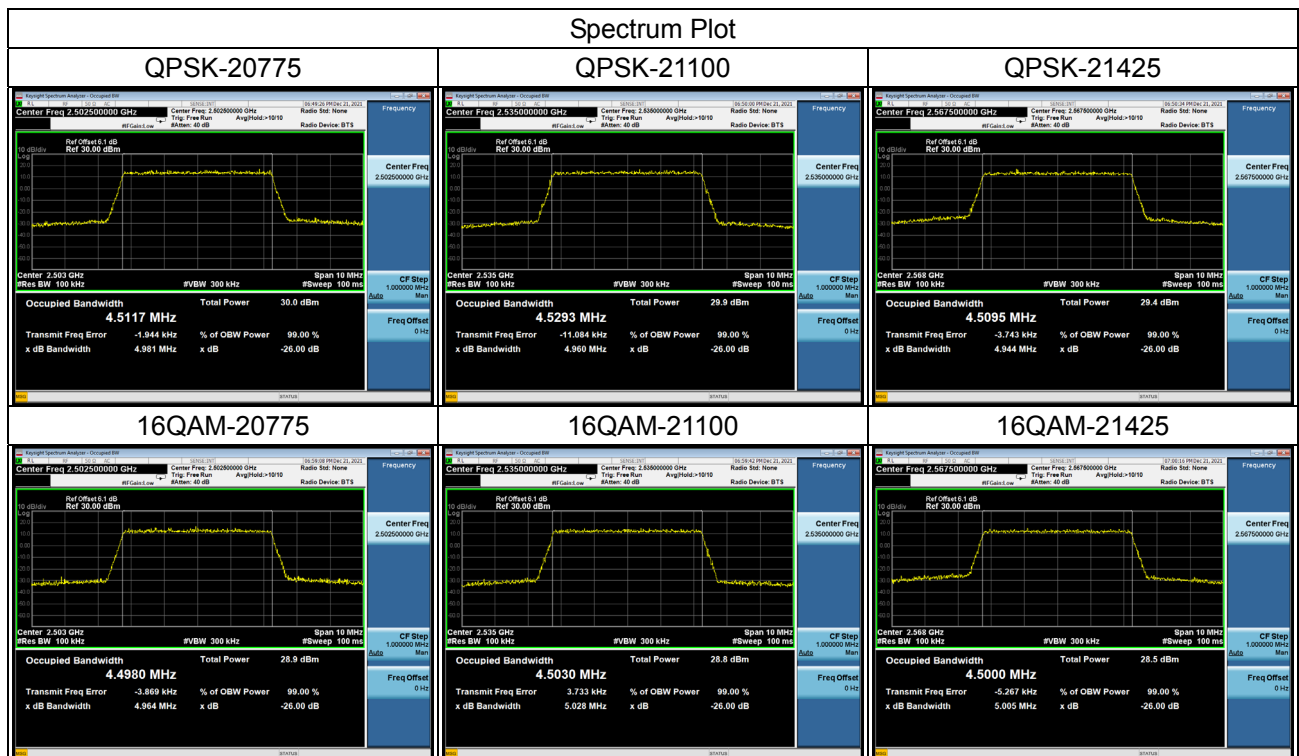
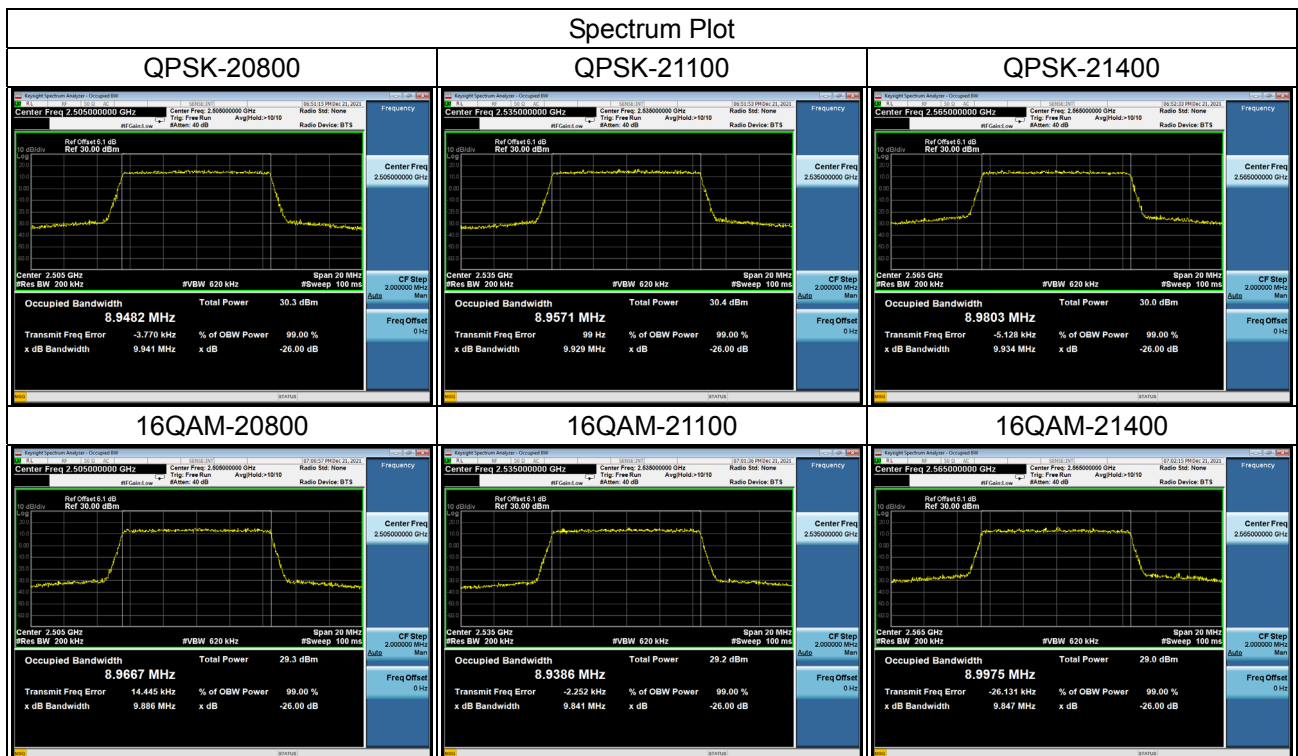


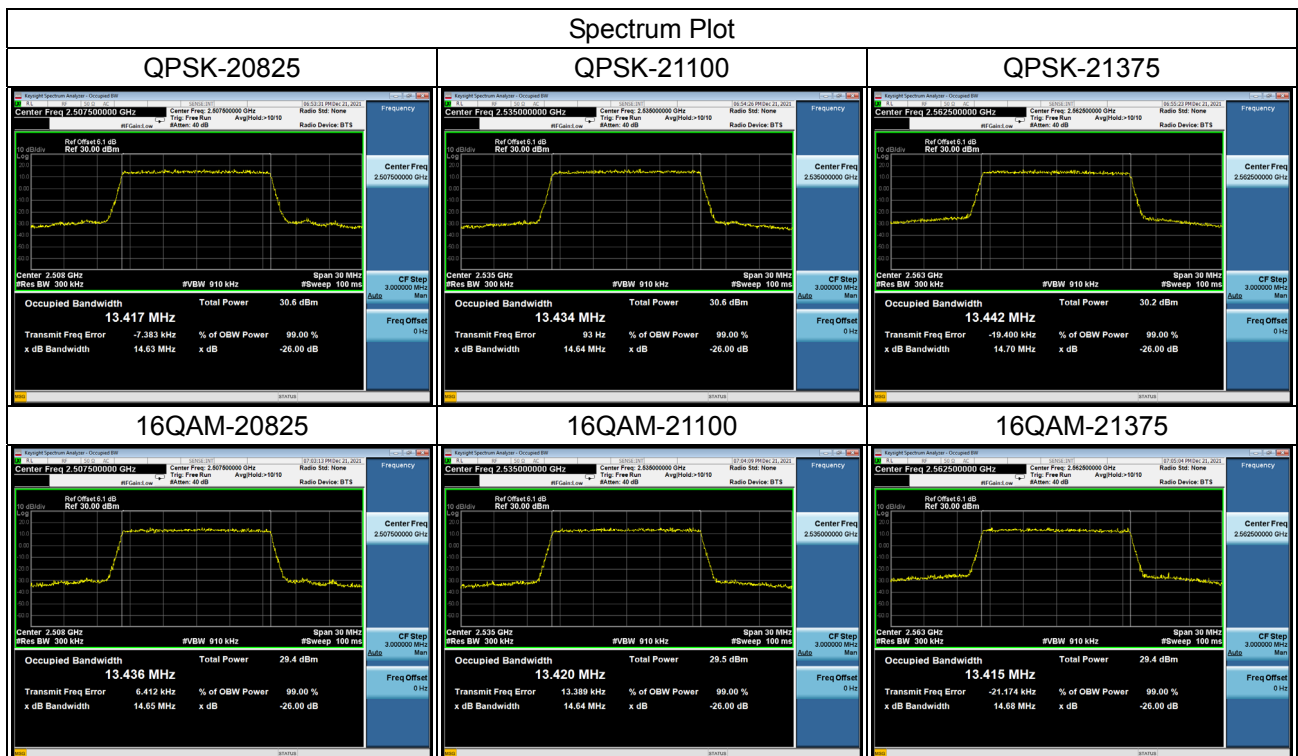
LTE Band 7_5MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20775	2502.5	4.5117	4.4980	4.981	4.964
21100	2535	4.5293	4.5030	4.960	5.028
21425	2567.5	4.5095	4.5000	4.944	5.005



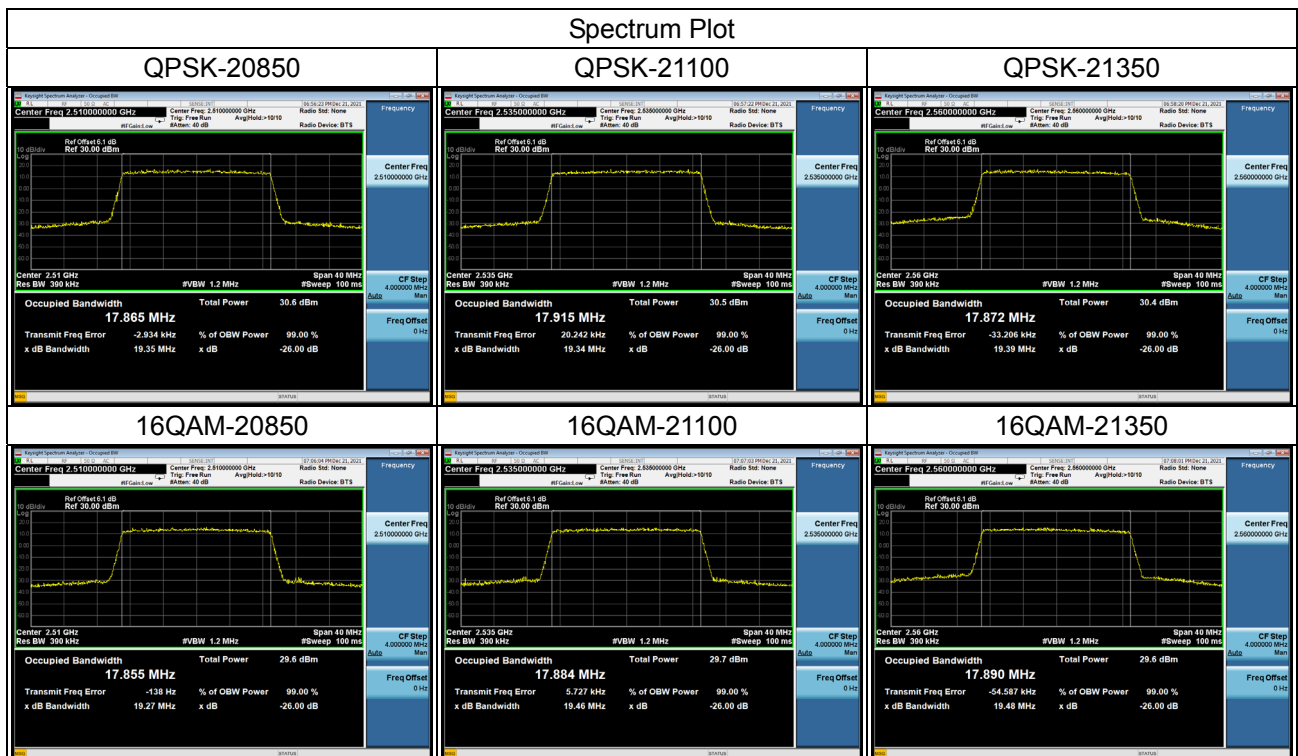
LTE Band 7_10MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20800	2505	8.9482	8.9667	9.941	9.886
21100	2535	8.9571	8.9386	9.929	9.841
21400	2565	8.9803	8.9975	9.934	9.847



LTE Band 7_15MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20825	2507.5	13.417	13.436	14.63	14.65
21100	2535	13.434	13.420	14.64	14.64
21375	2562.5	13.442	13.415	14.70	14.68

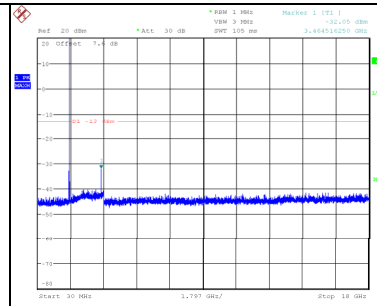
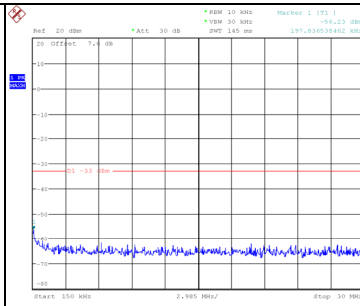
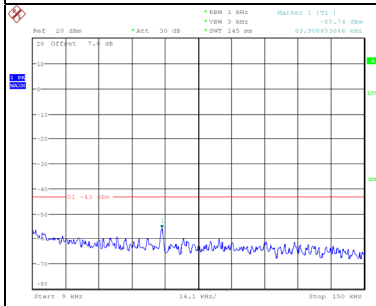


LTE Band 7_20MHz					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		26dB Bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
20850	2510	17.865	17.855	19.35	19.27
21100	2535	17.915	17.884	19.34	19.46
21350	2560	17.872	17.890	19.39	19.48

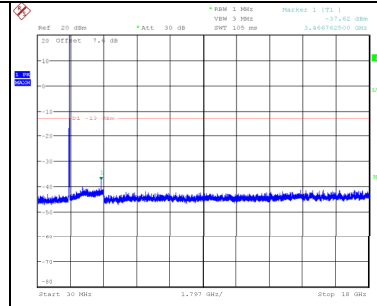
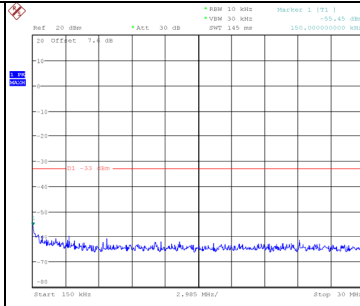
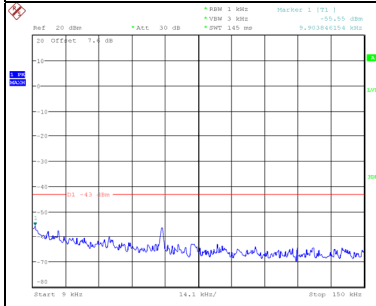


APPENDIX C - CONDUCTED SPURIOUS EMISSIONS

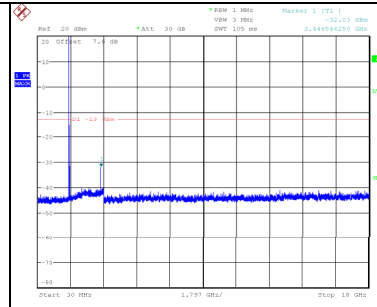
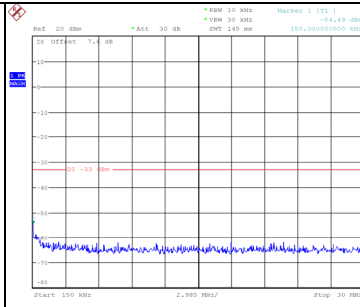
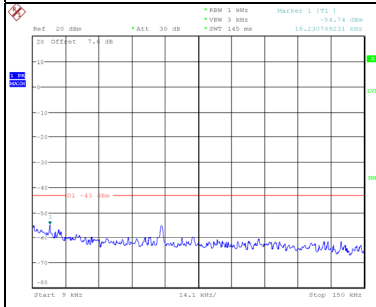
LTE Band 4_1.4MHz_CH20175 Spectrum Plot



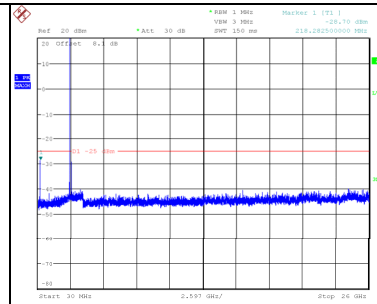
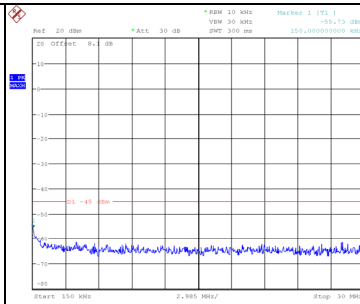
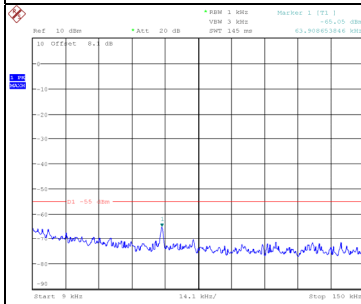
LTE Band 4_5MHz_CH20175 Spectrum Plot



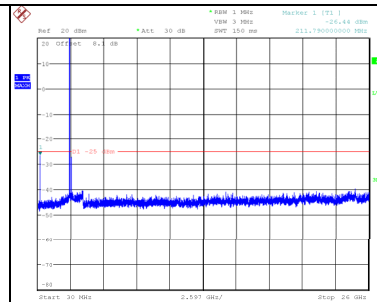
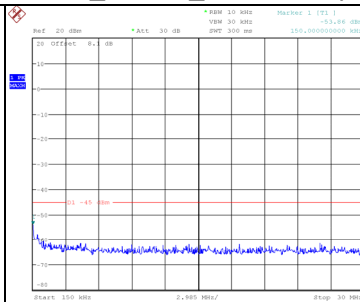
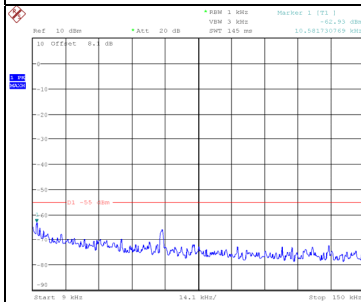
LTE Band 4_20MHz_CH20175 Spectrum Plot



LTE Band 7_5MHz_CH21100 Spectrum Plot



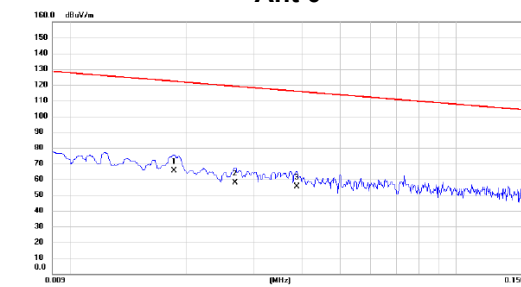
LTE Band 7_20MHz_CH21100 Spectrum Plot



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

Test Mode : TX Mode

Ant 0°



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBμV/m	dB	dBμV/m	dBμV/m	dB	Detector	Comment
1 *	0.0186	50.84	14.73	65.57	122.21	-56.64	AVG	
2	0.0268	43.62	14.13	57.75	119.04	-61.29	AVG	
3	0.0386	41.66	13.86	55.52	115.87	-60.35	AVG	

Test Mode : TX Mode

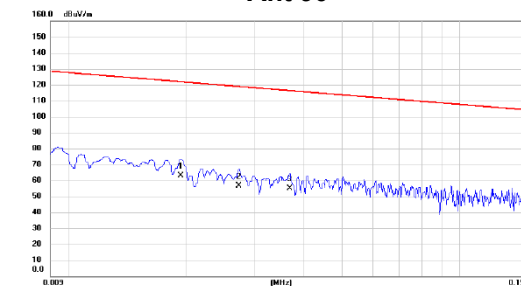
Ant 0°



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBμV/m	dB	dBμV/m	dBμV/m	dB	Detector	Comment
1	0.4485	32.54	13.40	45.94	94.57	-48.63	AVG	
2 *	2.1798	22.54	12.02	34.56	69.54	-34.98	QP	
3	4.2693	20.94	11.73	32.67	69.54	-36.87	QP	

Test Mode : TX Mode

Ant 90°



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBμV/m	dB	dBμV/m	dBμV/m	dB	Detector	Comment
1 *	0.0194	48.52	14.48	63.00	121.85	-58.85	AVG	
2	0.0273	42.66	14.12	56.78	118.88	-62.10	AVG	
3	0.0368	40.96	13.90	54.86	116.29	-61.43	AVG	

Test Mode : TX Mode

Ant 90°

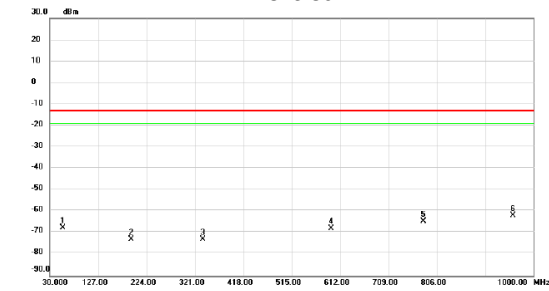


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBμV/m	dB	dBμV/m	dBμV/m	dB	Detector	Comment
1	0.4237	31.85	13.43	45.28	95.06	-49.78	AVG	
2	1.7620	20.41	12.27	32.68	69.54	-36.86	QP	
3 *	2.2992	21.66	11.97	33.63	69.54	-35.91	QP	

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

Test Mode : LTE Band 4_TX CH20175_1.4MHz

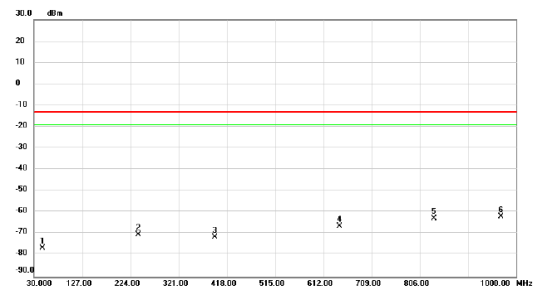
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		56.1900	-55.91	-11.82	-67.73	-13.00	-54.73	peak	
2		193.9300	-58.39	-14.52	-72.91	-13.00	-59.91	peak	
3		337.4900	-62.79	-10.34	-73.13	-13.00	-60.13	peak	
4		595.0250	-63.51	-4.53	-68.04	-13.00	-55.04	peak	
5		779.8100	-62.78	-1.88	-64.66	-13.00	-51.66	peak	
6	*	959.7450	-61.72	-0.10	-61.82	-13.00	-48.82	peak	

Test Mode : LTE Band 4_TX CH20175_1.4MHz

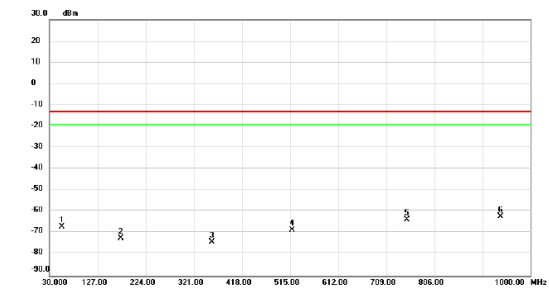
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		47.9450	-65.16	-11.59	-76.75	-13.00	-63.75	peak	
2		240.0050	-57.13	-13.34	-70.47	-13.00	-57.47	peak	
3		394.2350	-62.33	-9.24	-71.57	-13.00	-58.57	peak	
4		644.4950	-62.63	-3.96	-66.59	-13.00	-53.59	peak	
5		835.5850	-61.69	-1.17	-62.86	-13.00	-49.86	peak	
6	*	969.4450	-61.95	-0.01	-61.96	-13.00	-48.96	peak	

Test Mode : LTE Band 4_TX CH20175_5MHz

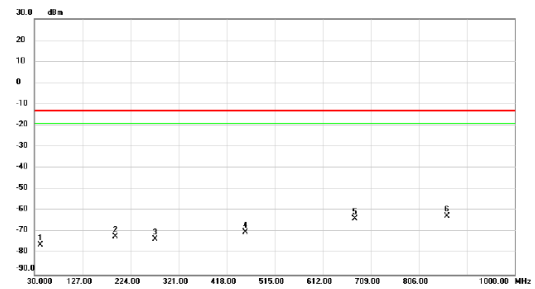
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		55.7050	-55.20	-11.77	-66.97	-13.00	-53.97	peak	
2		174.5300	-59.79	-12.52	-72.31	-13.00	-59.31	peak	
3		357.8600	-64.26	-10.13	-74.39	-13.00	-61.39	peak	
4		519.8500	-62.05	-6.56	-68.61	-13.00	-55.61	peak	
5		751.1950	-61.78	-2.10	-63.88	-13.00	-50.88	peak	
6	*	939.3750	-61.77	-0.36	-62.13	-13.00	-49.13	peak	

Test Mode : LTE Band 4_TX CH20175_5MHz

Horizontal

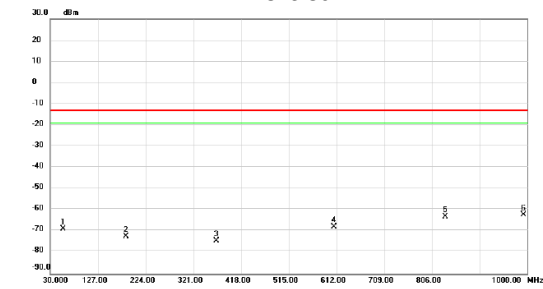


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		42.6100	-64.12	-11.91	-76.03	-13.00	-63.03	peak	
2		192.9600	-57.64	-14.45	-72.09	-13.00	-59.09	peak	
3		273.4700	-61.19	-12.10	-73.29	-13.00	-60.29	peak	
4		456.3150	-62.46	-7.52	-69.98	-13.00	-56.98	peak	
5		676.9900	-60.34	-3.35	-63.69	-13.00	-50.69	peak	
6	*	863.7150	-61.46	-0.97	-62.43	-13.00	-49.43	peak	

Test Mode : LTE Band 4_TX CH20175_20MHz

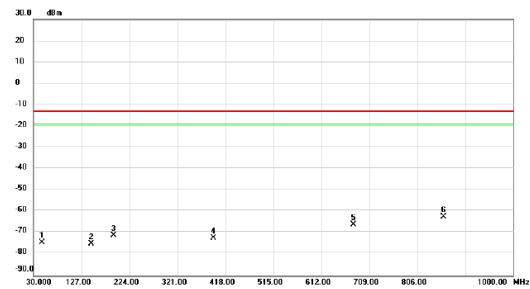
Test Mode : LTE Band 4_TX CH20175_20MHz

Vertical



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	56.1900	-56.92	-11.82	-68.74	-13.00	-55.74	peak	
2	184.2300	-58.93	-13.57	-72.50	-13.00	-59.50	peak	
3	367.5600	-64.57	-9.90	-74.47	-13.00	-61.47	peak	
4	607.1500	-63.61	-4.29	-67.90	-13.00	-54.90	peak	
5	833.6450	-62.07	-1.20	-63.27	-13.00	-50.27	peak	
6 *	993.2100	-62.36	0.19	-62.17	-13.00	-49.17	peak	

Horizontal

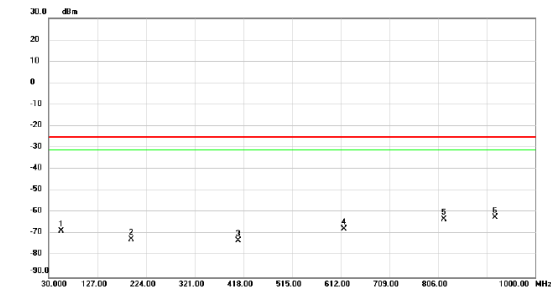


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	47.9450	-63.08	-11.59	-74.67	-13.00	-61.67	peak	
2	147.3700	-63.26	-11.82	-75.08	-13.00	-62.08	peak	
3	191.9900	-56.85	-14.39	-71.24	-13.00	-58.24	peak	
4	394.2350	-63.18	-9.24	-72.42	-13.00	-59.42	peak	
5	677.4750	-62.78	-3.34	-66.12	-13.00	-53.12	peak	
6 *	859.8350	-61.57	-0.96	-62.53	-13.00	-49.53	peak	

Test Mode : LTE Band 7_TX CH21100_5MHz

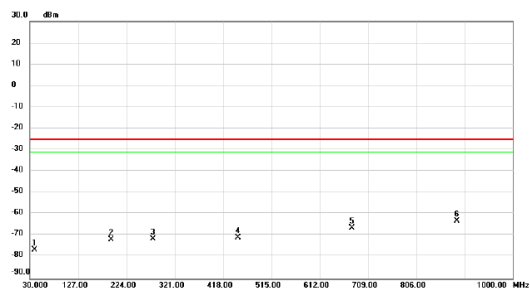
Test Mode : LTE Band 7_TX CH21100_5MHz

Vertical



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	55.7050	-56.89	-11.77	-68.66	-25.00	-43.66	peak	
2	195.3850	-57.94	-14.61	-72.55	-25.00	-47.55	peak	
3	408.7850	-64.08	-8.86	-72.94	-25.00	-47.94	peak	
4	619.2750	-63.57	-4.18	-67.75	-25.00	-42.75	peak	
5	818.1250	-61.68	-1.44	-63.12	-25.00	-38.12	peak	
6 *	920.9450	-61.47	-0.66	-62.13	-25.00	-37.13	peak	

Horizontal

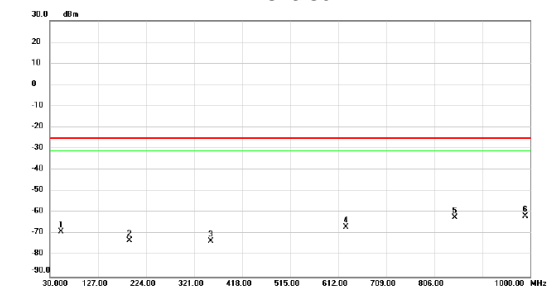


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	40.1850	-64.47	-12.13	-76.60	-25.00	-51.60	peak	
2	193.4450	-57.30	-14.48	-71.78	-25.00	-46.78	peak	
3	277.8350	-59.69	-11.91	-71.60	-25.00	-46.60	peak	
4	448.5550	-63.38	-7.65	-71.03	-25.00	-46.03	peak	
5	676.9900	-63.09	-3.35	-66.44	-25.00	-41.44	peak	
6 *	887.9650	-62.26	-0.99	-63.25	-25.00	-38.25	peak	

Test Mode : LTE Band 7_TX CH21100_20MHz

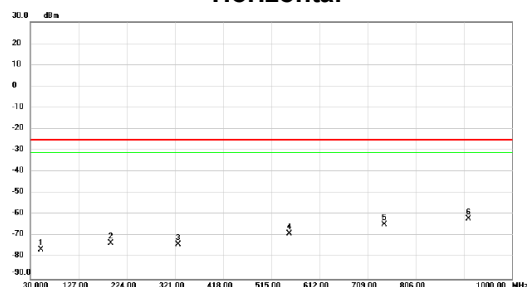
Test Mode : LTE Band 7_TX CH21100_20MHz

Vertical



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBm	dB	dBm	dBm	dB		
1	52.7950	-57.10	-11.62	-68.72	-25.00	-43.72	peak	
2	191.5050	-58.81	-14.36	-73.17	-25.00	-48.17	peak	
3	355.4350	-63.31	-10.15	-73.46	-25.00	-48.46	peak	
4	628.4900	-62.72	-4.10	-66.82	-25.00	-41.82	peak	
5	847.7100	-61.33	-0.98	-62.31	-25.00	-37.31	peak	
6 *	989.8150	-61.71	0.16	-61.55	-25.00	-36.55	peak	

Horizontal



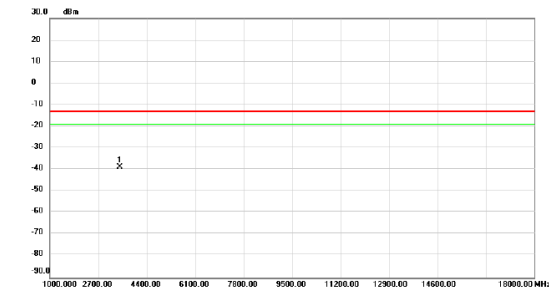
No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBm	dB	dBm	dBm	dB		
1	50.8550	-64.81	-11.55	-76.36	-25.00	-51.36	peak	
2	191.9900	-58.84	-14.39	-73.23	-25.00	-48.23	peak	
3	327.7900	-63.51	-10.56	-74.07	-25.00	-49.07	peak	
4	552.3450	-62.95	-5.95	-68.90	-25.00	-43.90	peak	
5	743.4350	-62.41	-2.22	-64.63	-25.00	-39.63	peak	
6 *	912.7000	-61.26	-0.80	-62.06	-25.00	-37.06	peak	

APPENDIX F - RADIATED SPURIOUS EMISSIONS (ABOVE 1GHZ)

Test Mode : LTE Band 4_TX CH20175_1.4MHz

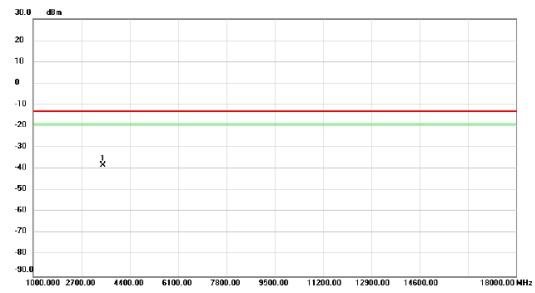
Test Mode : LTE Band 4_TX CH20175_1.4MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3465.000	-36.85	-2.09	-38.94	-13.00	-25.94	peak	

Horizontal

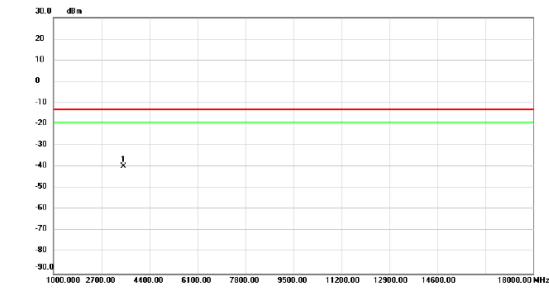


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3465.000	-36.04	-2.09	-38.13	-13.00	-25.13	peak	

Test Mode : LTE Band 4_TX CH20175_5MHz

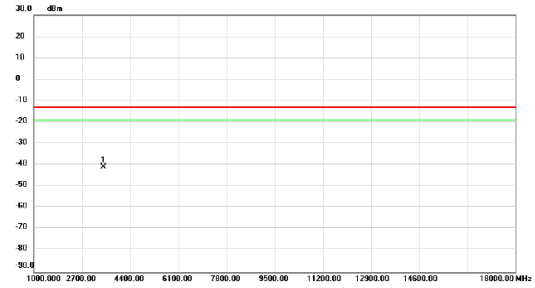
Test Mode : LTE Band 4_TX CH20175_5MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3473.500	-37.53	-2.07	-39.60	-13.00	-26.60	peak	

Horizontal

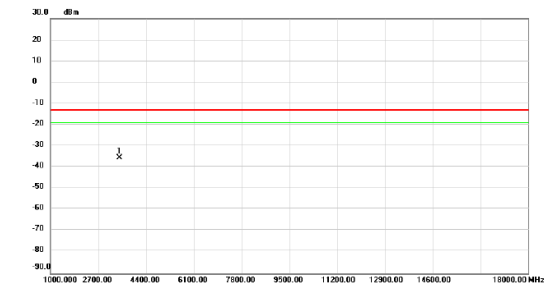


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3465.000	-38.85	-2.09	-40.94	-13.00	-27.94	peak	

Test Mode : LTE Band 4_TX CH20175_20MHz

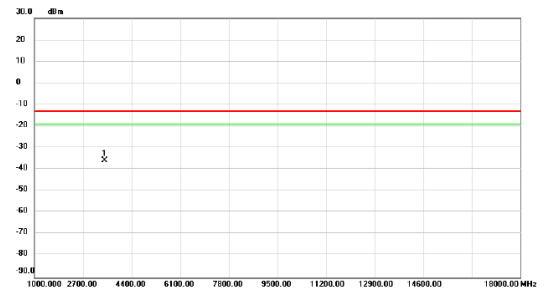
Test Mode : LTE Band 4_TX CH20175_20MHz

Vertical



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBm	dB	dBm	dBm	dB		
1 *	3448.000	-33.31	-2.11	-35.42	-13.00	-22.42	peak	

Horizontal

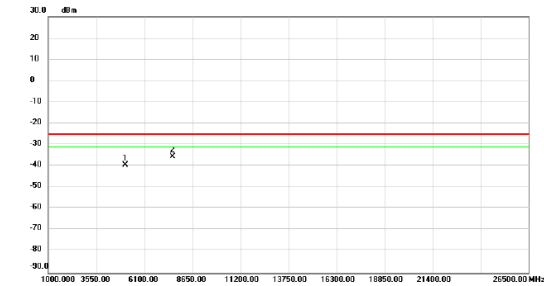


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBm	dB	dBm	dBm	dB		
1 *	3448.000	-33.62	-2.11	-35.73	-13.00	-22.73	peak	

Test Mode : LTE Band 7_TX CH21100_5MHz

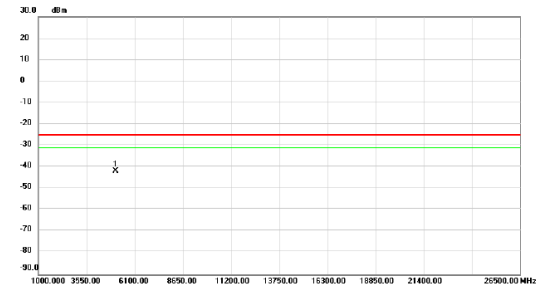
Test Mode : LTE Band 7_TX CH21100_5MHz

Vertical



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBm	dB	dBm	dBm	dB		
1	5080.000	-42.04	2.64	-39.40	-25.00	-14.40	peak	
2 *	7617.250	-43.45	7.89	-35.56	-25.00	-10.56	peak	

Horizontal

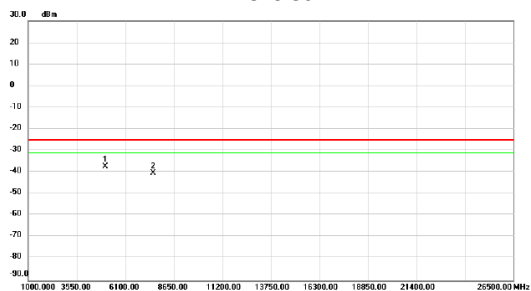


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBm	dB	dBm	dBm	dB		
1 *	5080.000	-44.57	2.64	-41.93	-25.00	-16.93	peak	

Test Mode : LTE Band 7_TX CH21100_20MHz

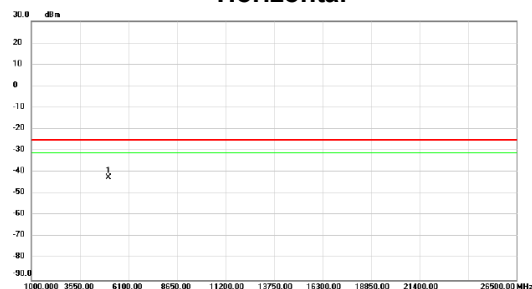
Test Mode : LTE Band 7_TX CH21100_20MHz

Vertical



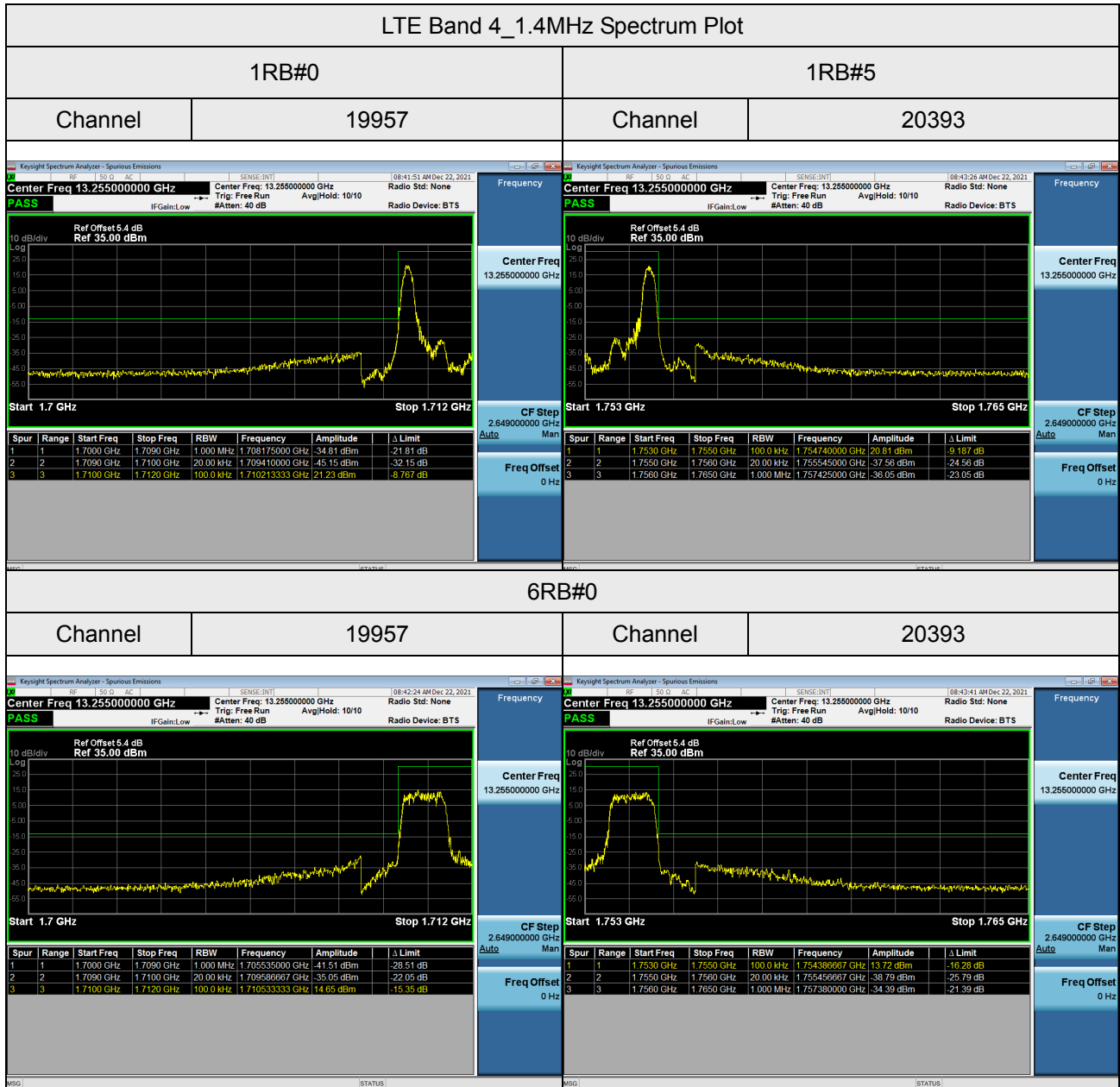
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	5054.500	-39.86	2.63	-37.23	-25.00	-12.23	peak	
2		7579.000	-48.39	7.90	-40.49	-25.00	-15.49	peak	

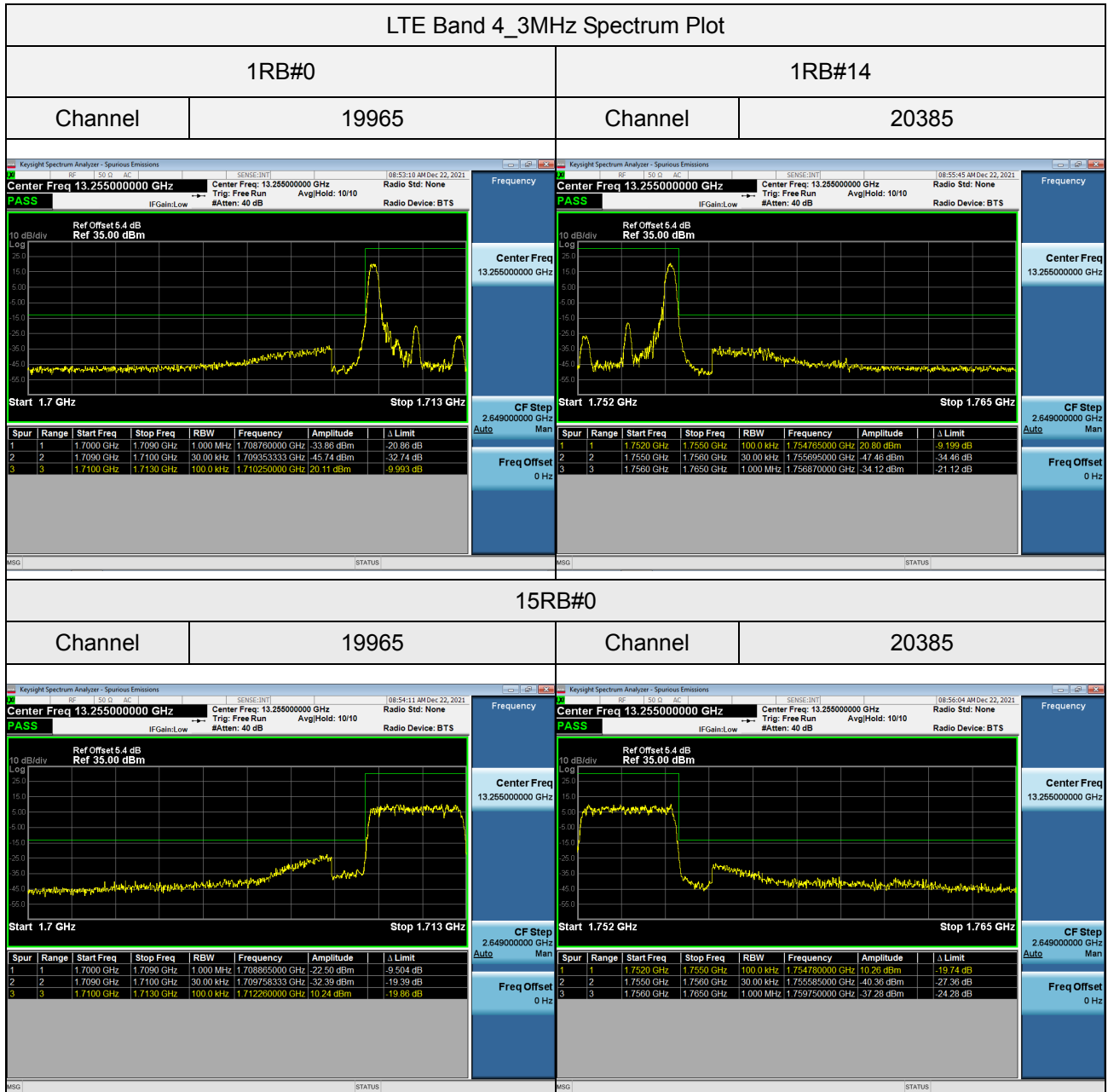
Horizontal

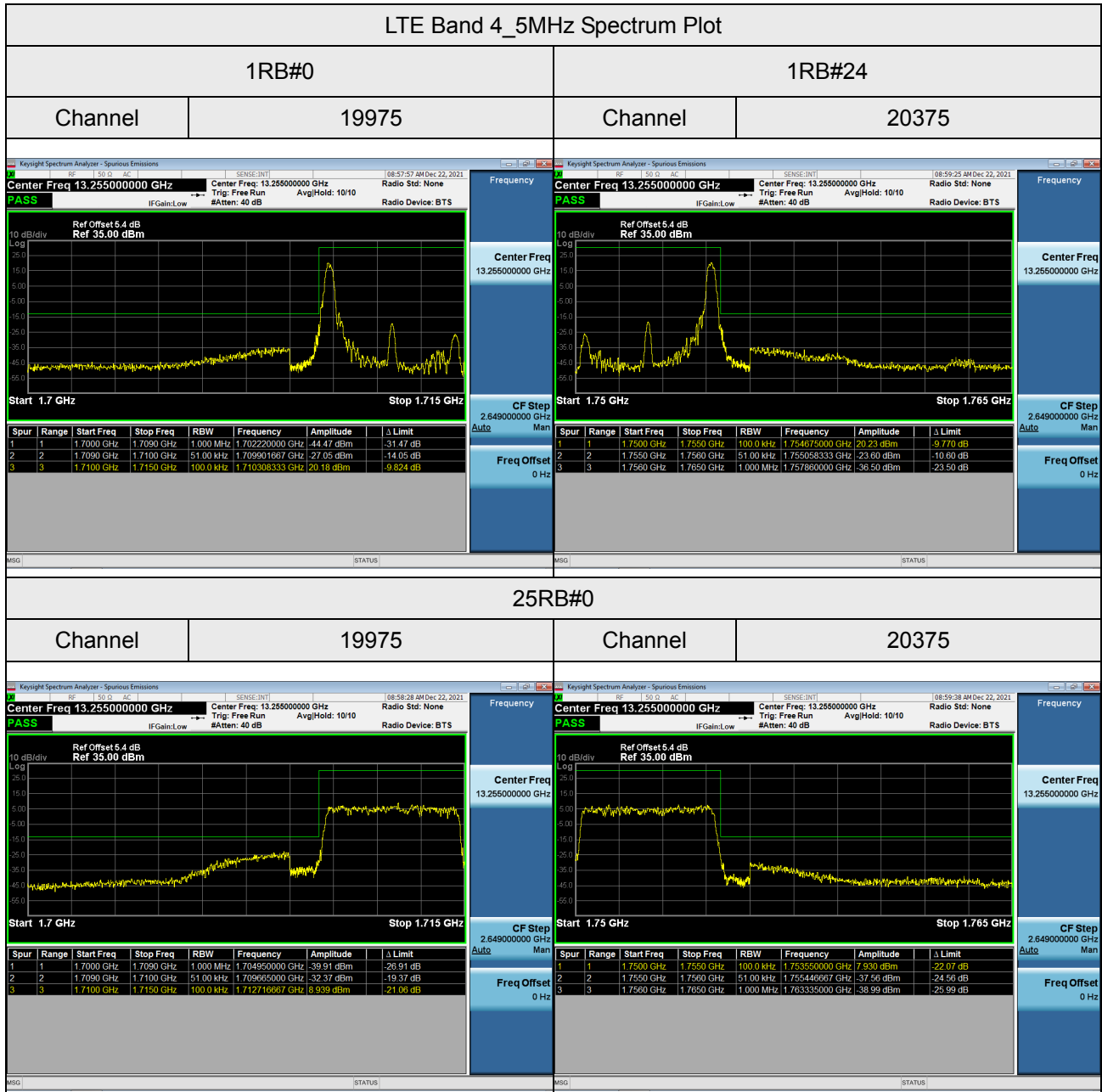


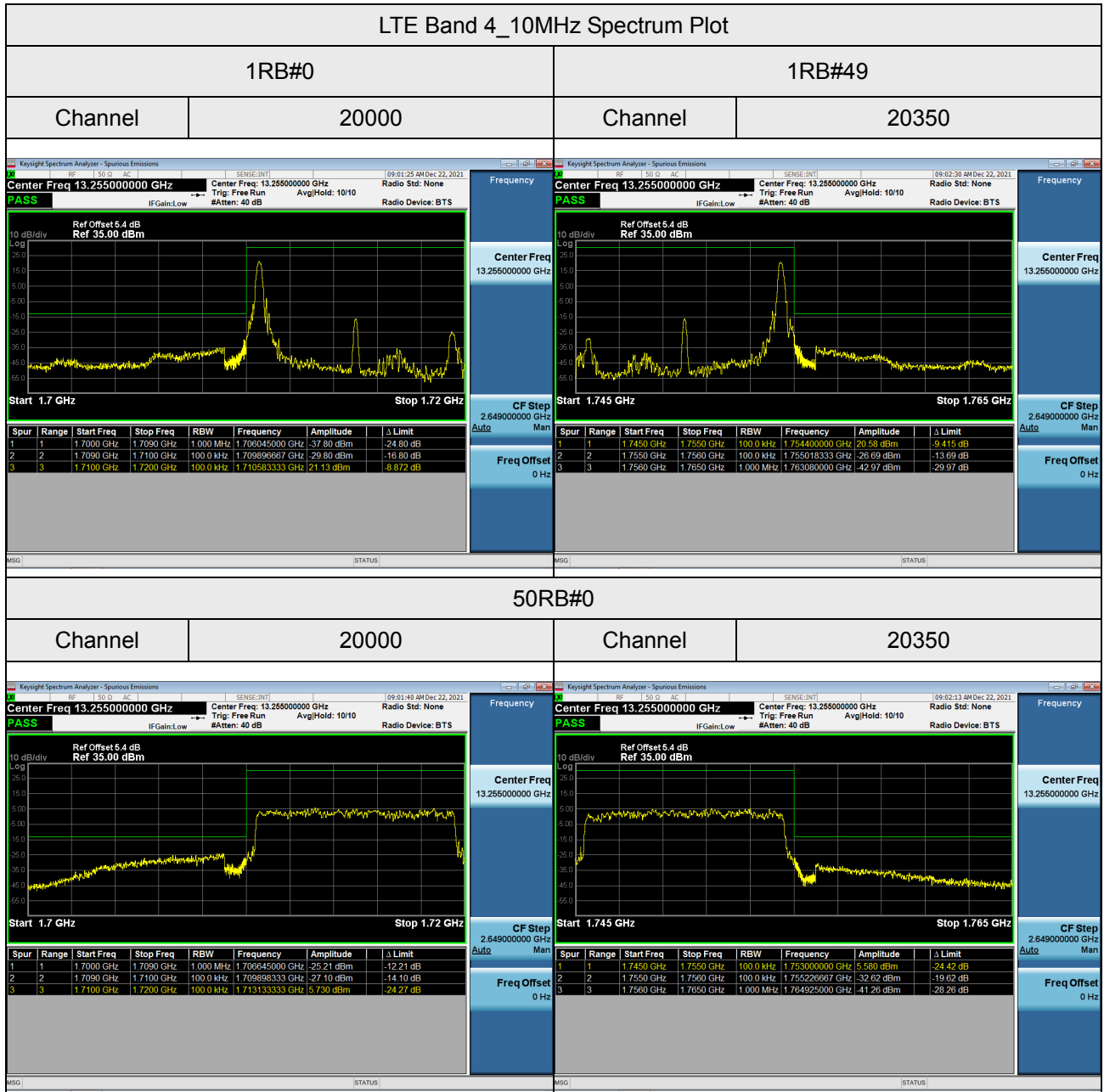
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	5054.500	-45.01	2.63	-42.38	-25.00	-17.38	peak	

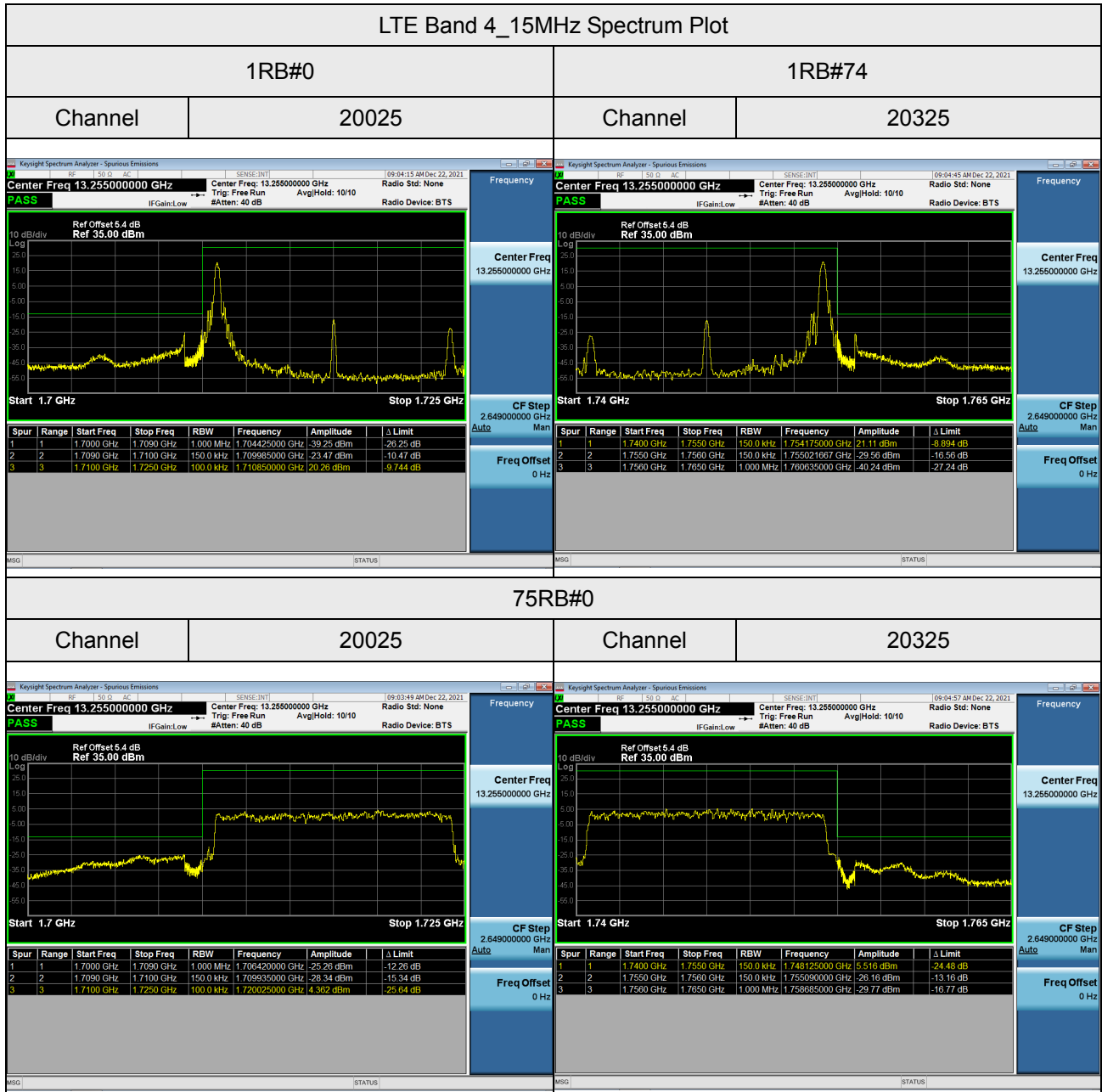
APPENDIX G - BAND EDGE

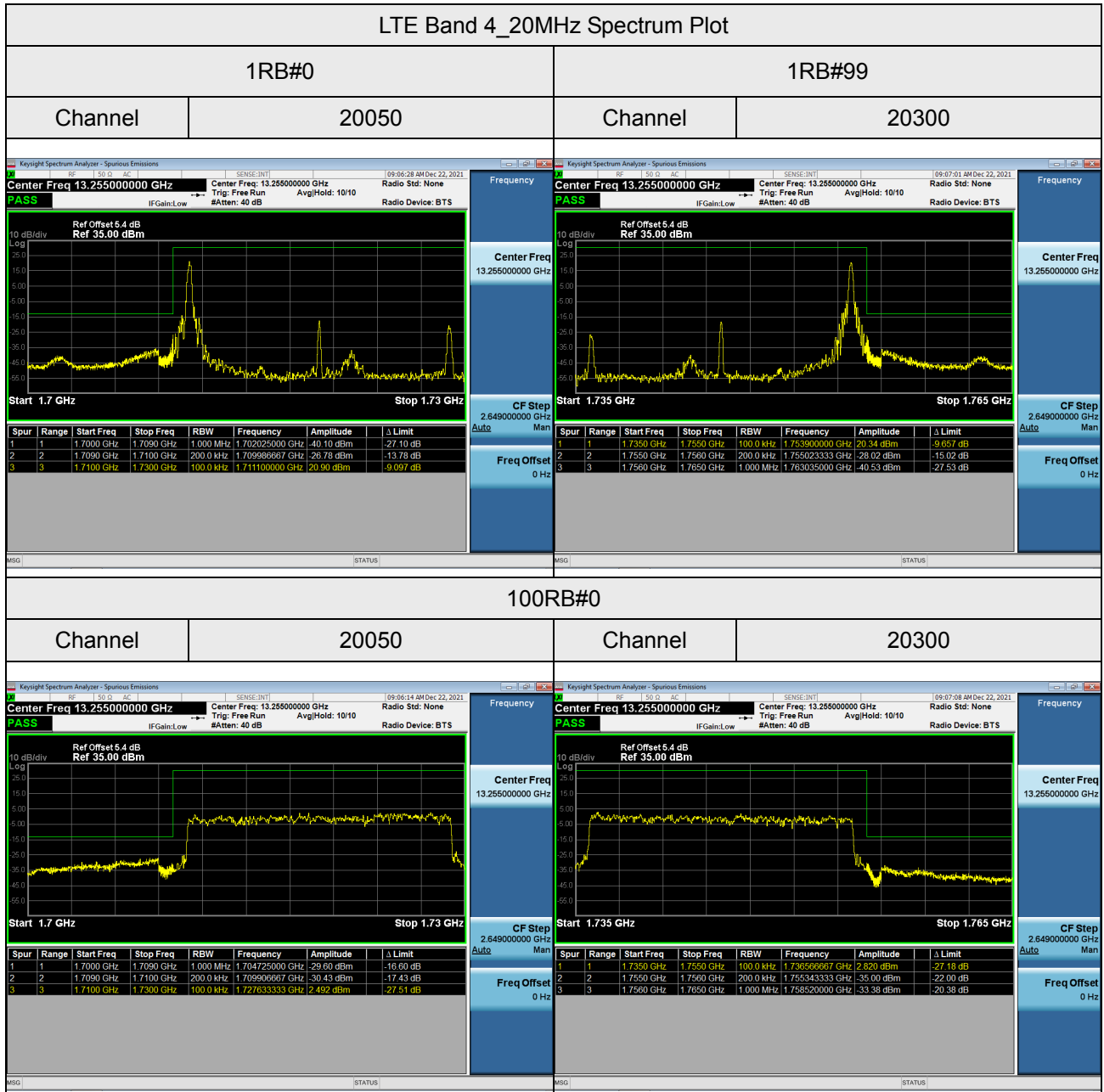


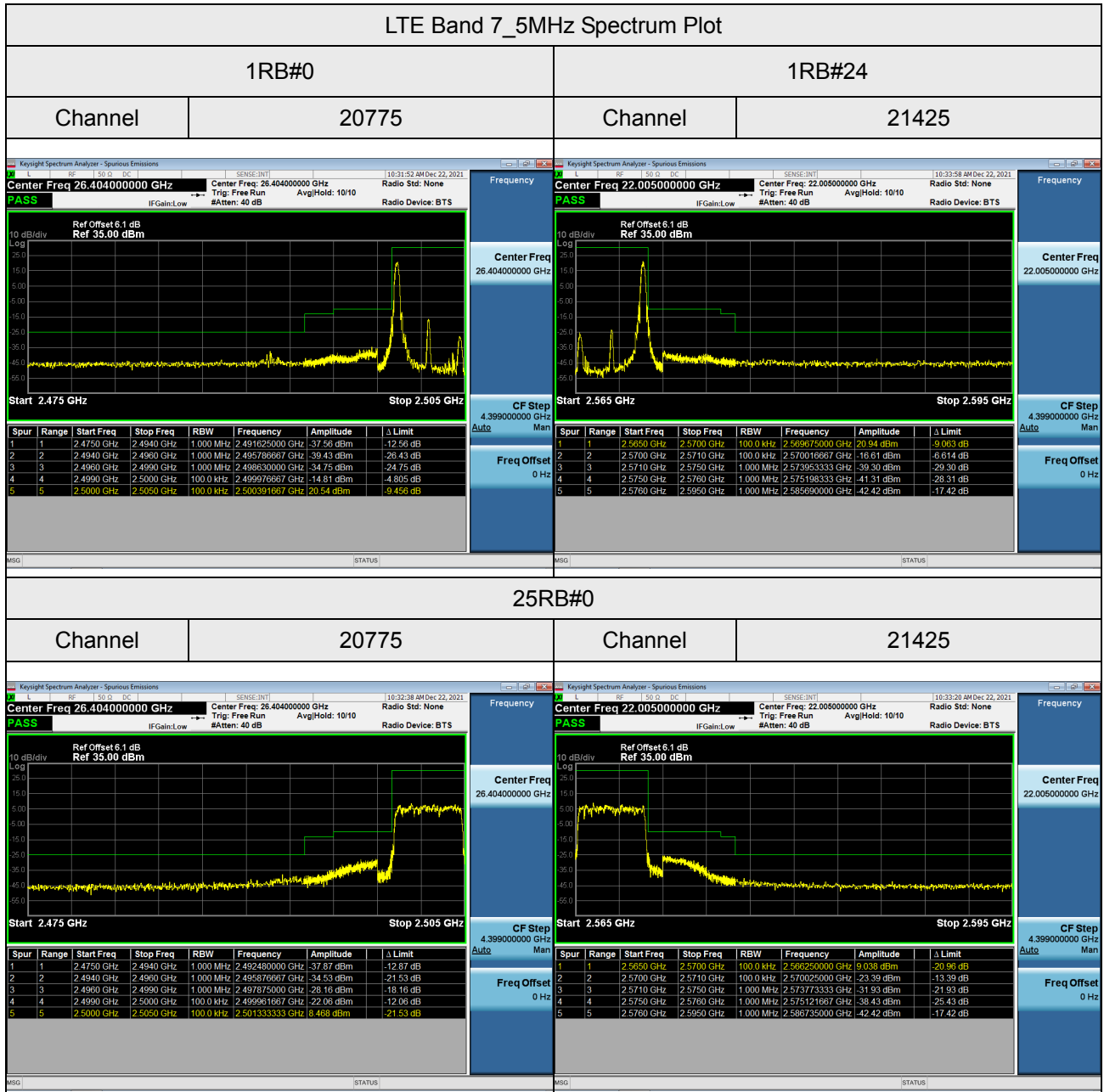


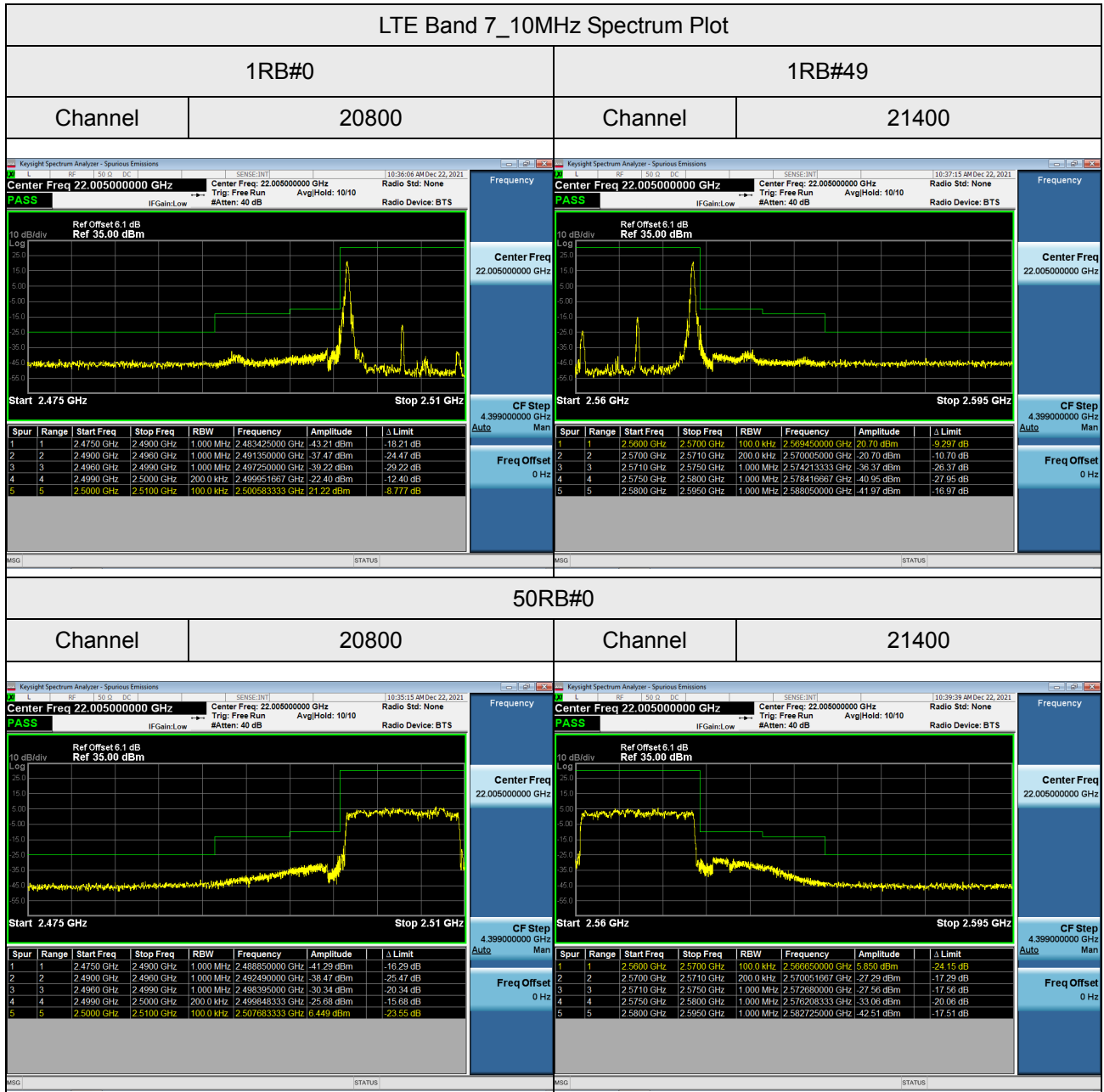


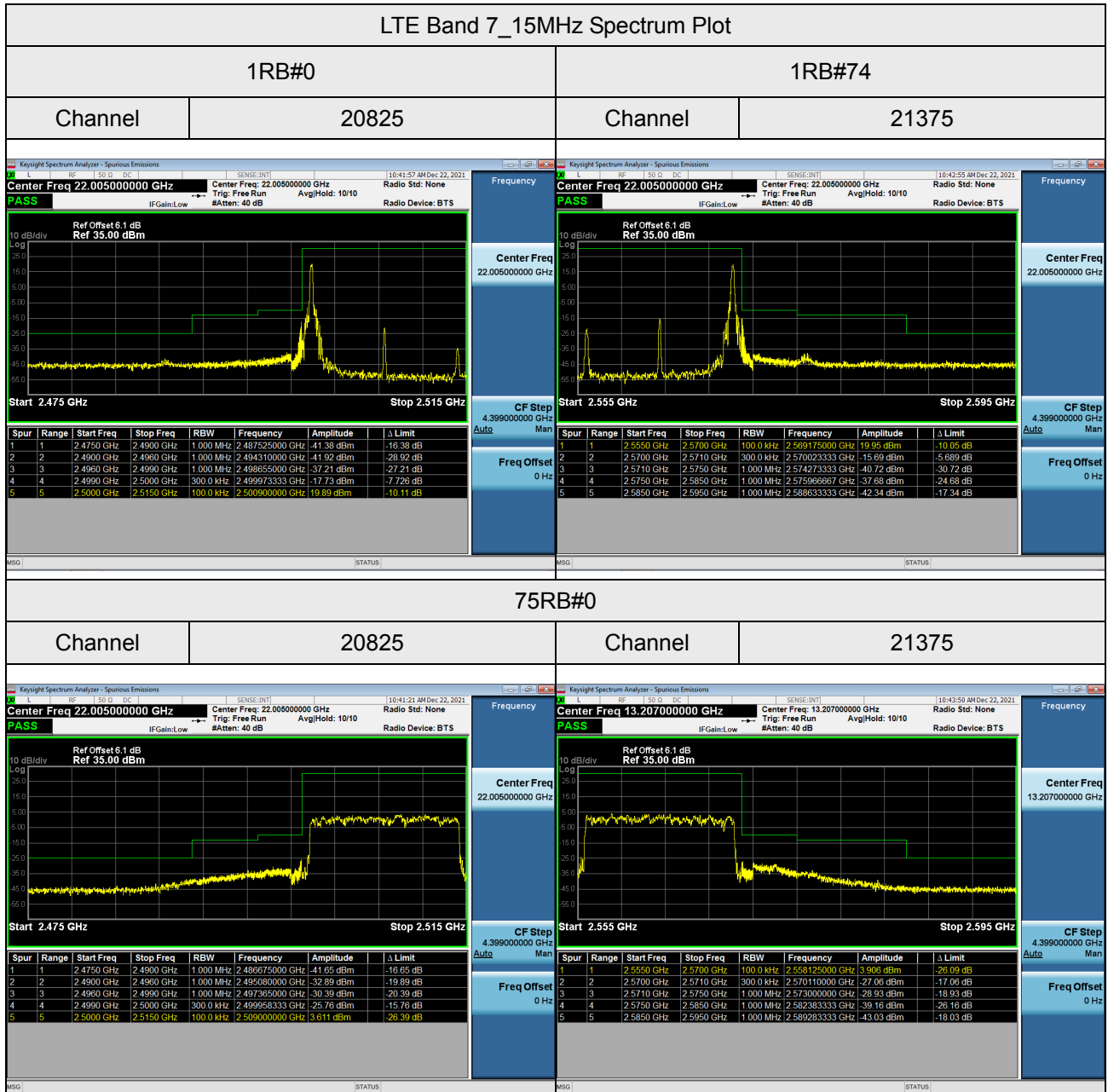


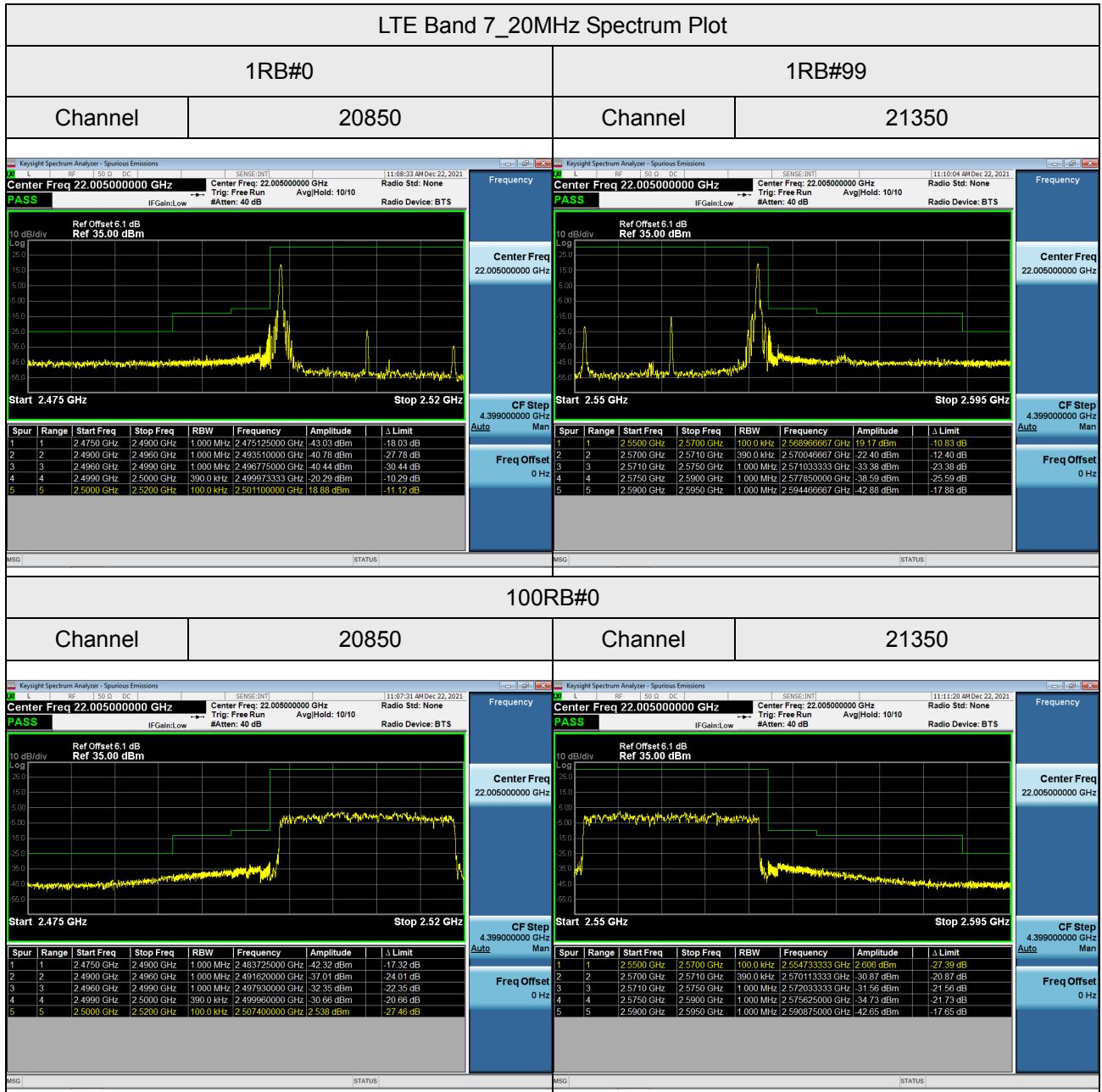






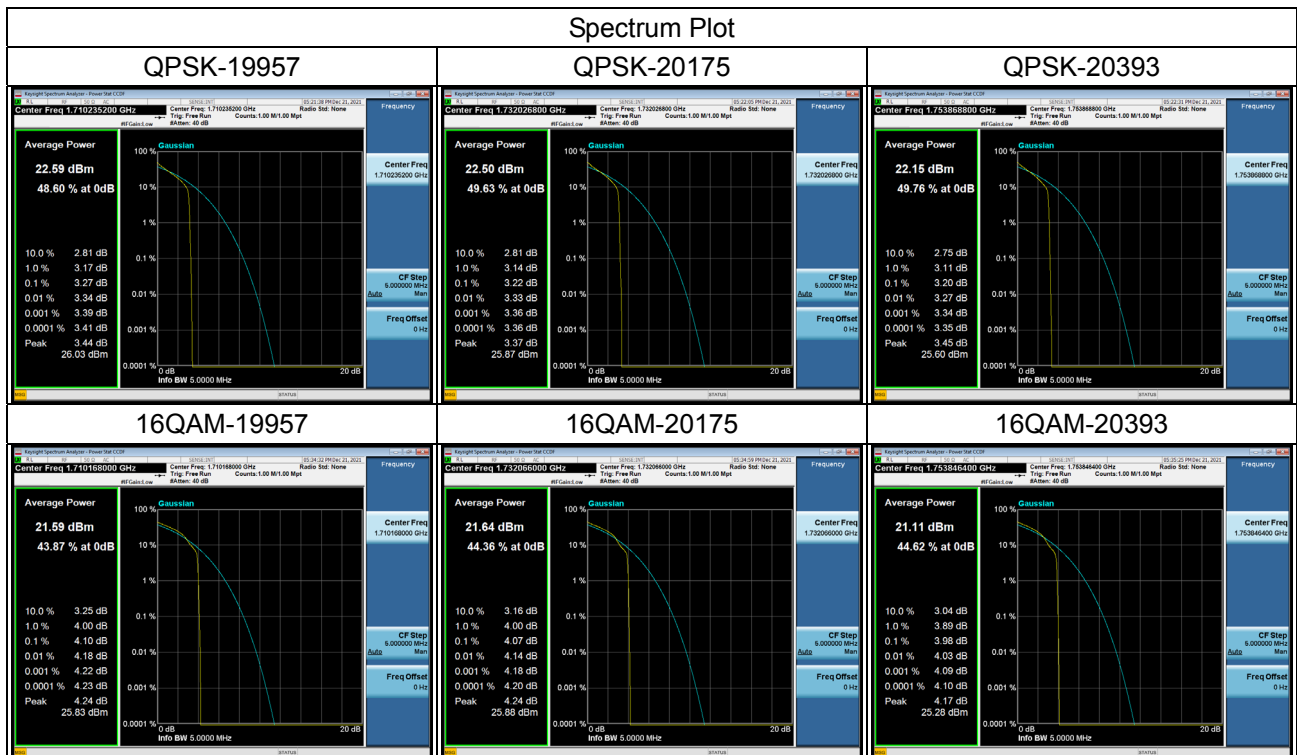






APPENDIX H - PEAK TO AVERAGE RATIO

LTE Band 4_1.4MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
19957	1710.7	3.27	4.10	13	Pass
20175	1732.5	3.22	4.07	13	Pass
20393	1754.3	3.20	3.98	13	Pass



LTE Band 4_3MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		Max. Limit (dB)	Result
		QPSK	16QAM		
19965	1711.5	3.30	4.14	13	Pass
20175	1732.5	3.22	4.04	13	Pass
20385	1753.5	3.23	4.06	13	Pass

