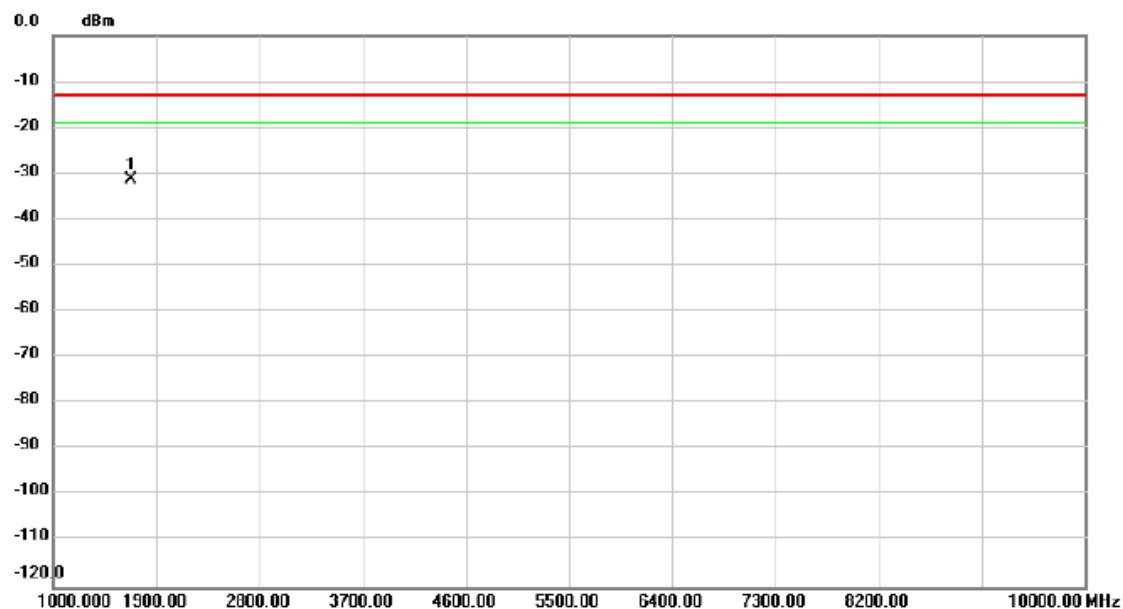
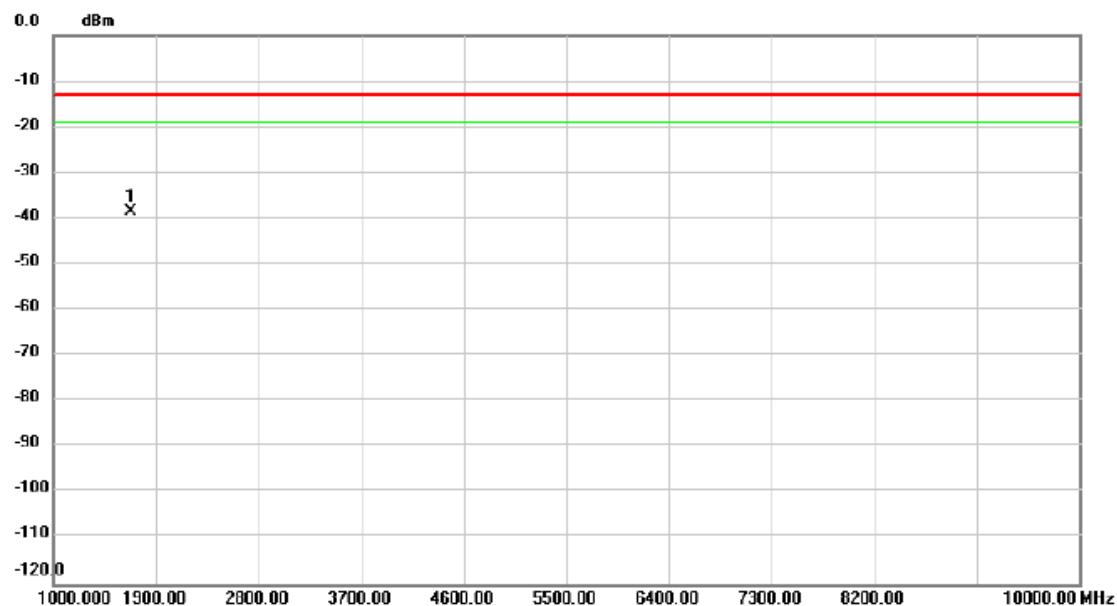


Test Mode: GSM850\_ TX CH190\_ GPRS

**Horizontal**

No.	Mk.	Reading		Correct Factor	Measure- ment	Limit	Margin
		Freq. MHz	Level dBm				
1	*	1673.220	-12.60	-18.74	-31.34	-13.00	-18.34 peak

Test Mode: GSM850\_ TX CH190\_EDGE

**Vertical**

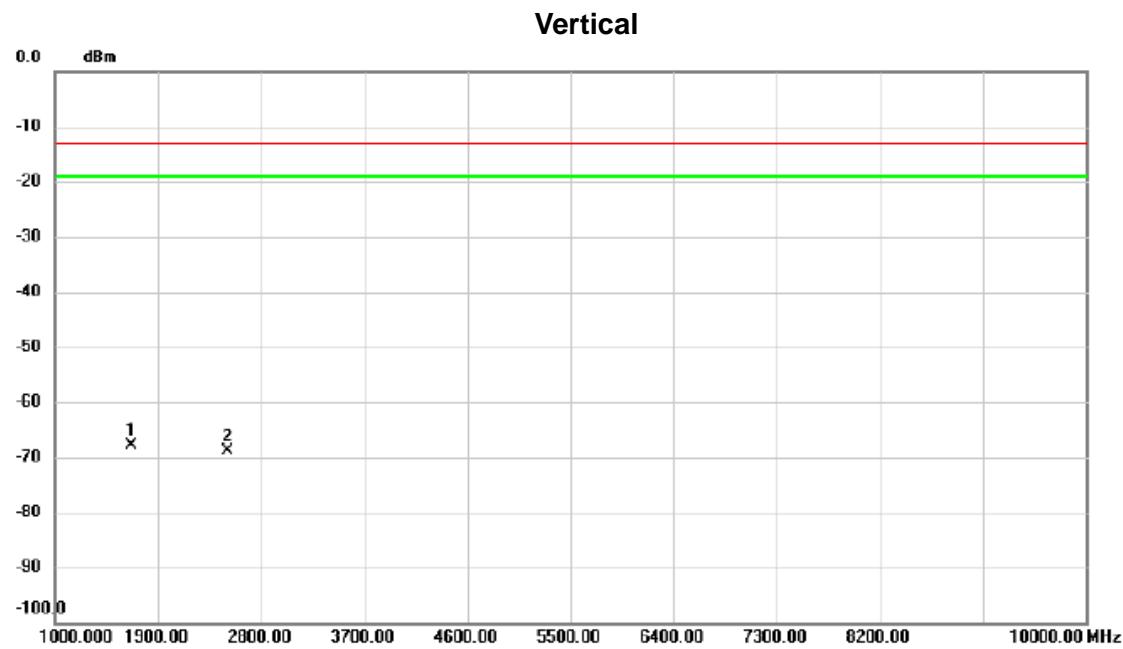
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBm	dB	dBm	dB	Detector	Comment
1	*	1673.185	-19.71	-18.74	-38.45	-13.00	-25.45	peak

Test Mode: GSM850\_ TX CH190\_EDGE

**Horizontal**

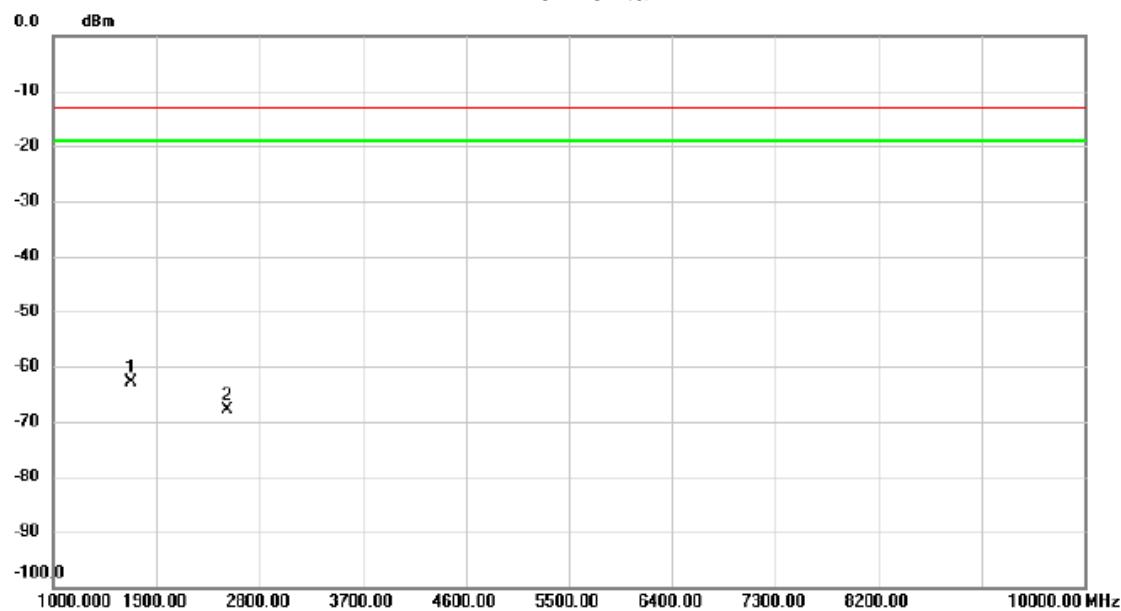
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
		MHz	dBm	dB	dBm	dBm	dB	Detector Comment
1	*	1673.185	-12.71	-18.74	-31.45	-13.00	-18.45	peak

Test Mode: WCDMA Band V\_TX CH4182



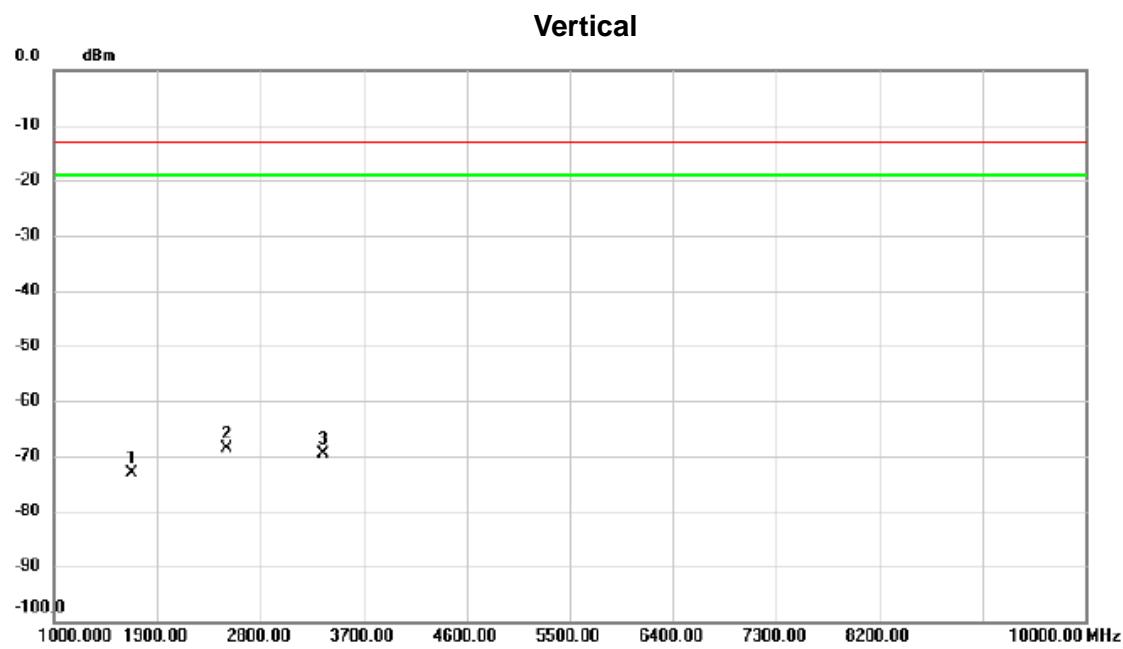
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin Detector	Comment
1	*	1671.020	-49.24	-18.74	-67.98	-13.00	-54.98	peak
2		2511.760	-53.00	-15.97	-68.97	-13.00	-55.97	peak

Test Mode: WCDMA Band V\_TX CH4182

**Horizontal**

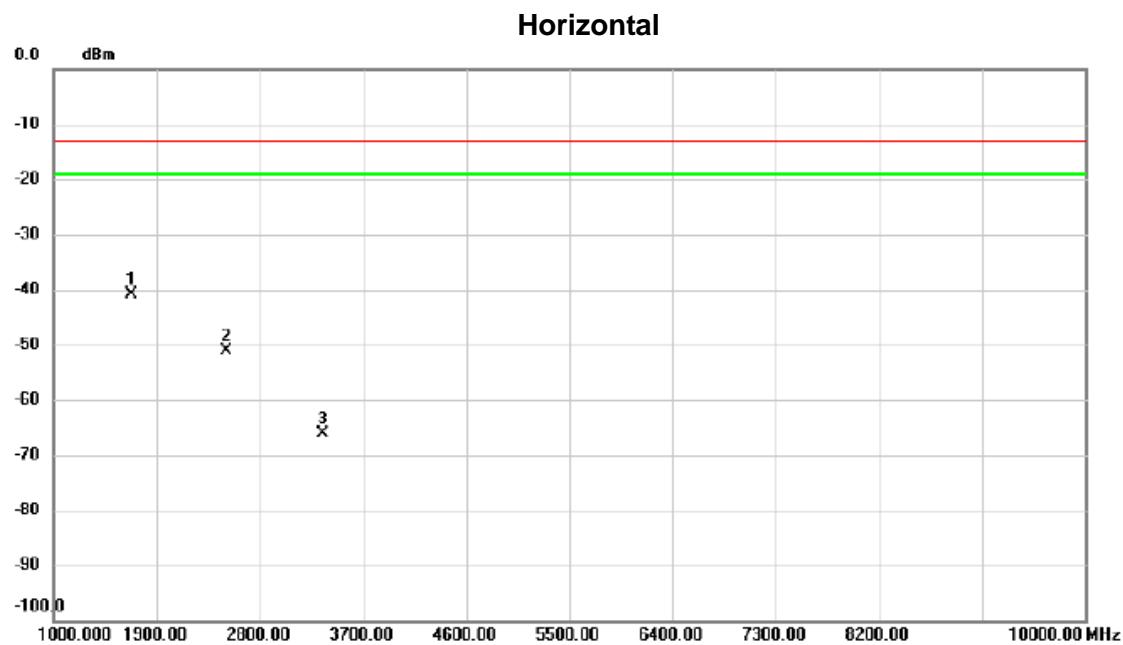
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1674.660	-44.05	-18.73	-62.78	-13.00	-49.78	peak	
2		2512.240	-51.97	-15.97	-67.94	-13.00	-54.94	peak	

Test Mode: LTE Band 5\_TX CH20525\_1.4M



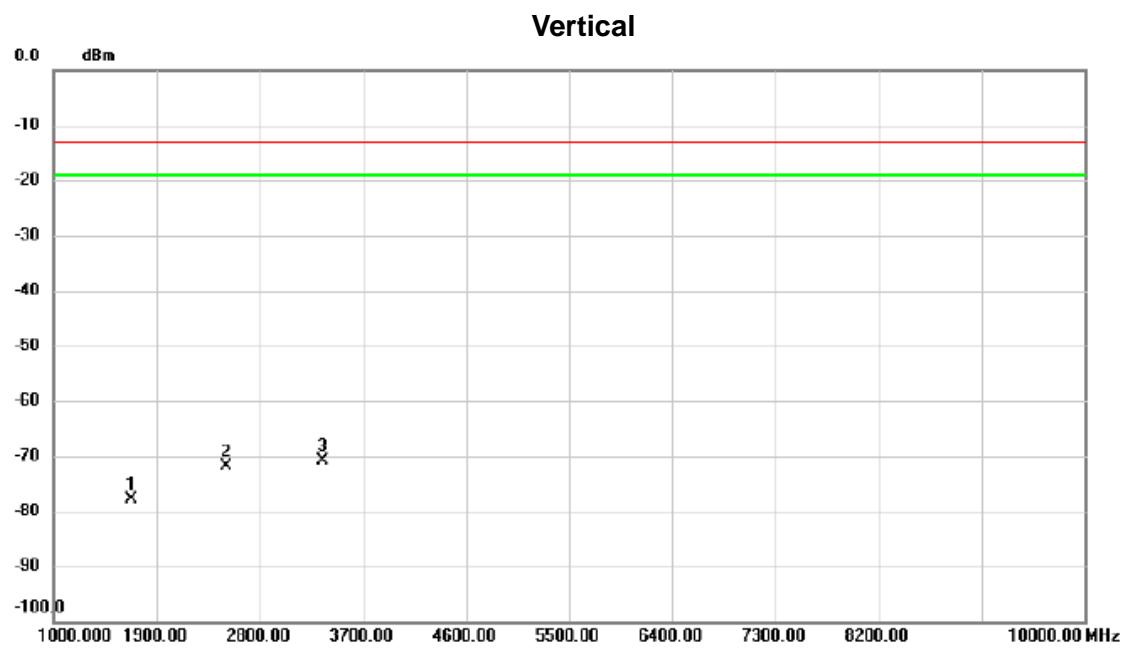
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Comment
			dBm	dB	dBm	dBm	Detector	
1		1673.050	-54.28	-18.74	-73.02	-13.00	-60.02	peak
2	*	2509.425	-52.53	-15.98	-68.51	-13.00	-55.51	peak
3		3345.940	-55.60	-14.12	-69.72	-13.00	-56.72	peak

Test Mode: LTE Band 5\_TX CH20525\_1.4M



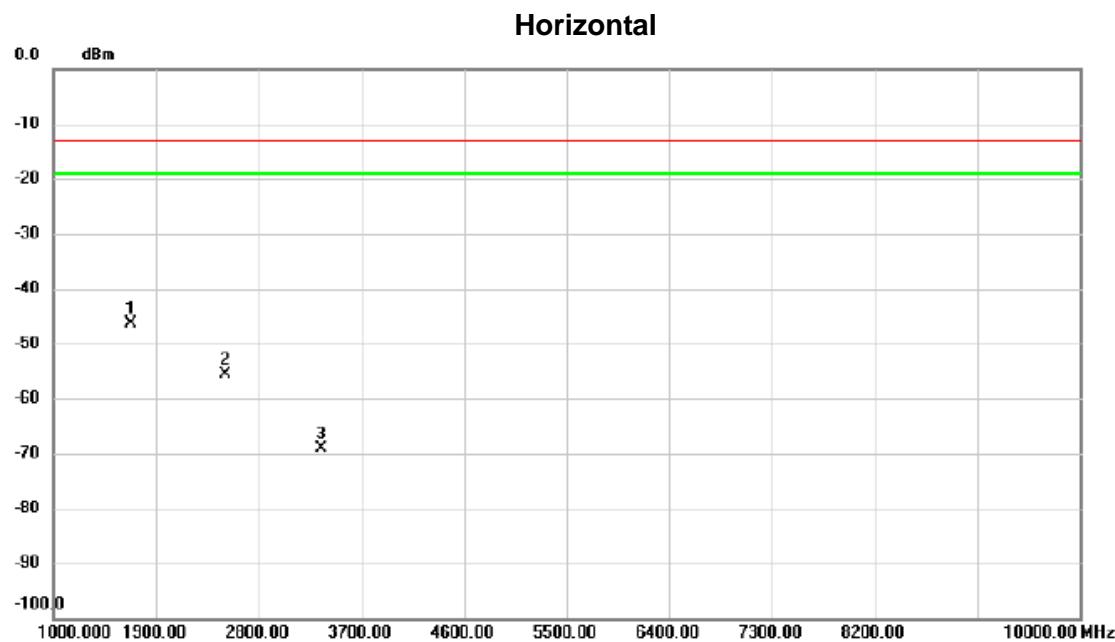
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1673.100	-22.23	-18.74	-40.97	-13.00	-27.97	peak	
2		2509.820	-35.23	-15.98	-51.21	-13.00	-38.21	peak	
3		3346.070	-52.05	-14.12	-66.17	-13.00	-53.17	peak	

Test Mode: LTE Band 5\_TX CH20525\_5M



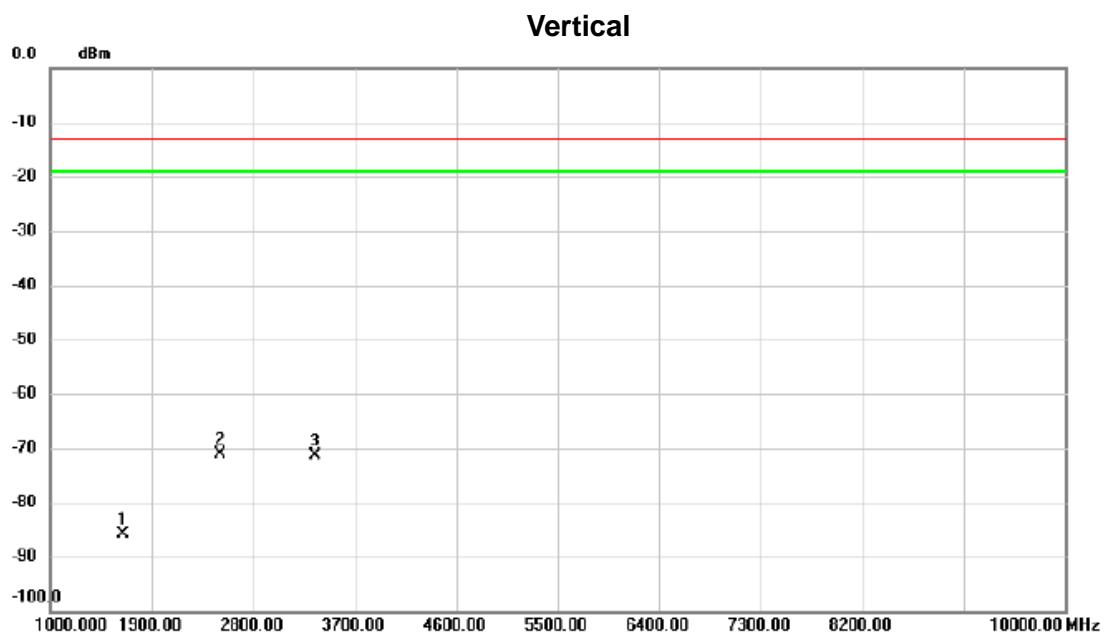
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Comment
			dBm	dB	dBm	dBm	dB	
1		1674.080	-59.02	-18.73	-77.75	-13.00	-64.75	peak
2		2509.740	-55.95	-15.98	-71.93	-13.00	-58.93	peak
3	*	3346.060	-56.84	-14.12	-70.96	-13.00	-57.96	peak

Test Mode: LTE Band 5\_TX CH20525\_5M



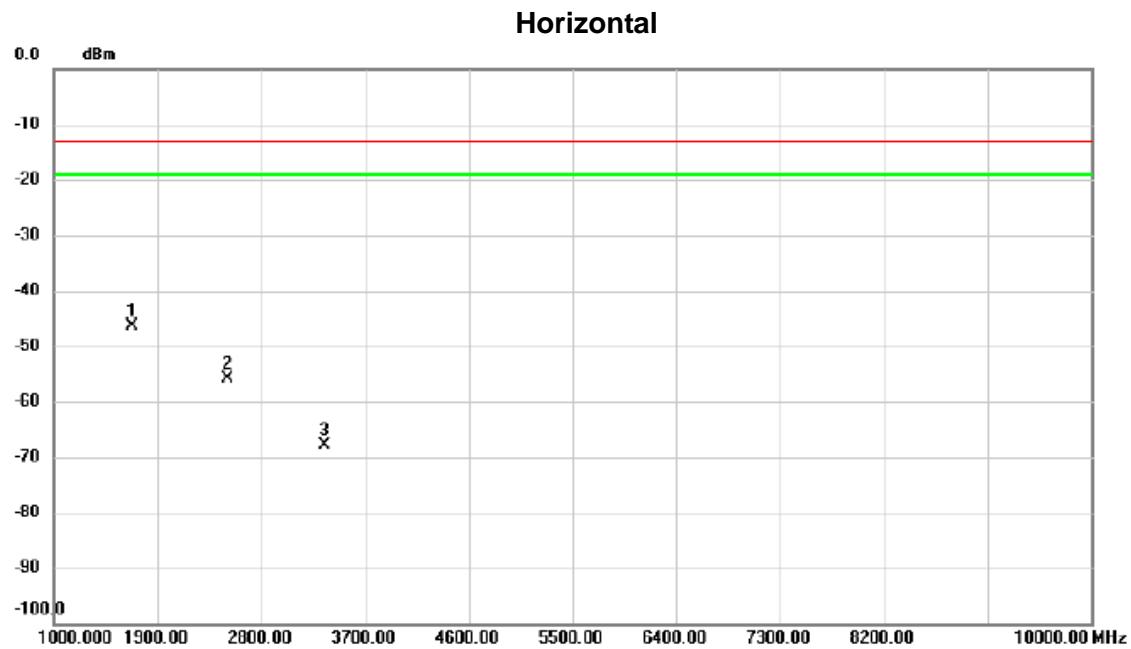
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1674.180	-27.67	-18.73	-46.40	-13.00	-33.40	peak	
2		2509.940	-39.63	-15.98	-55.61	-13.00	-42.61	peak	
3		3346.120	-55.07	-14.12	-69.19	-13.00	-56.19	peak	

Test Mode:	LTE Band 5_TX CH20525_10M
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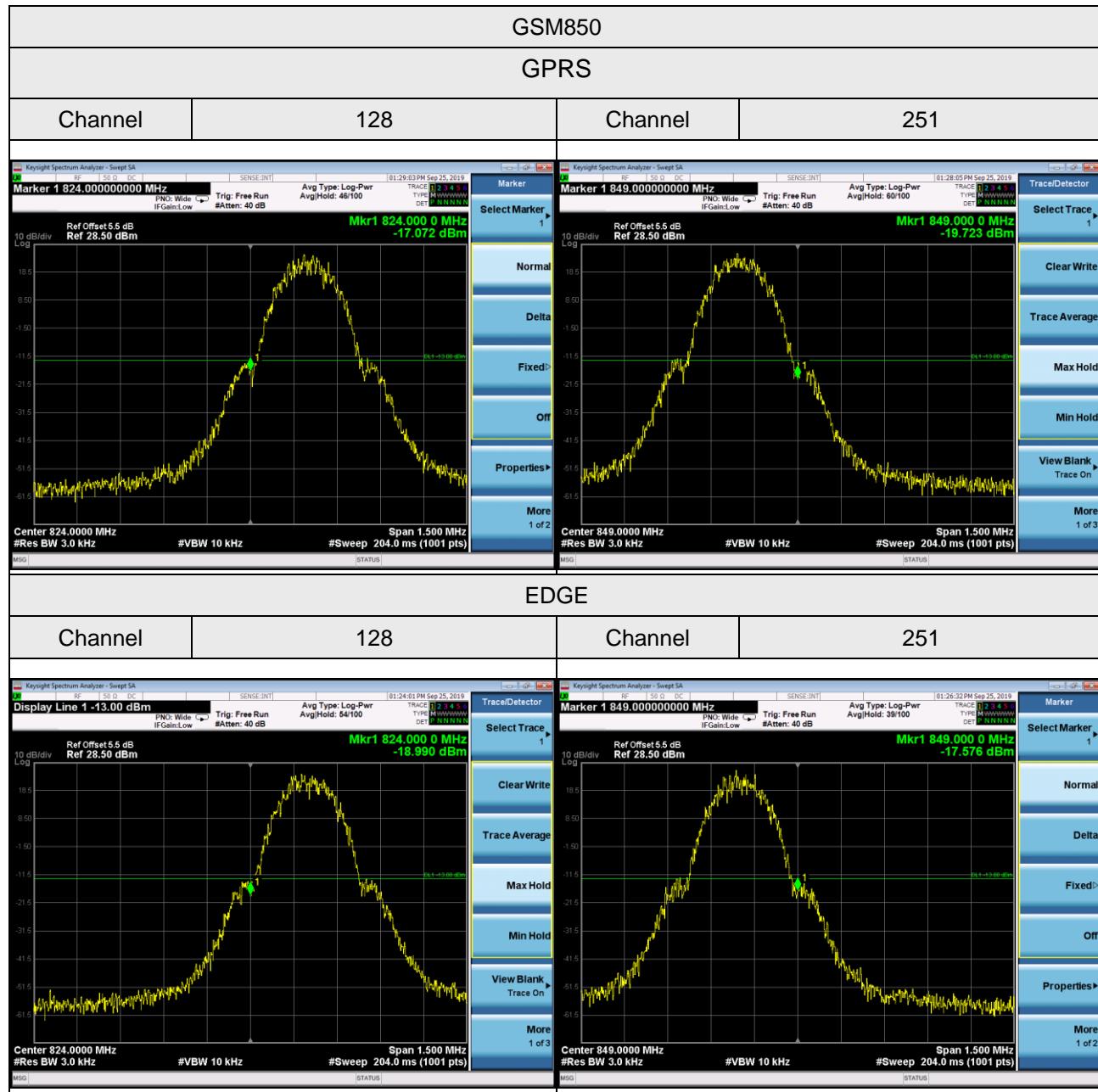
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	Comment
			dBm	dB	dBm	dB	Detector	
1		1638.080	-66.96	-18.87	-85.83	-13.00	-72.83	peak
2	*	2509.380	-55.14	-15.98	-71.12	-13.00	-58.12	peak
3		3346.080	-57.35	-14.12	-71.47	-13.00	-58.47	peak

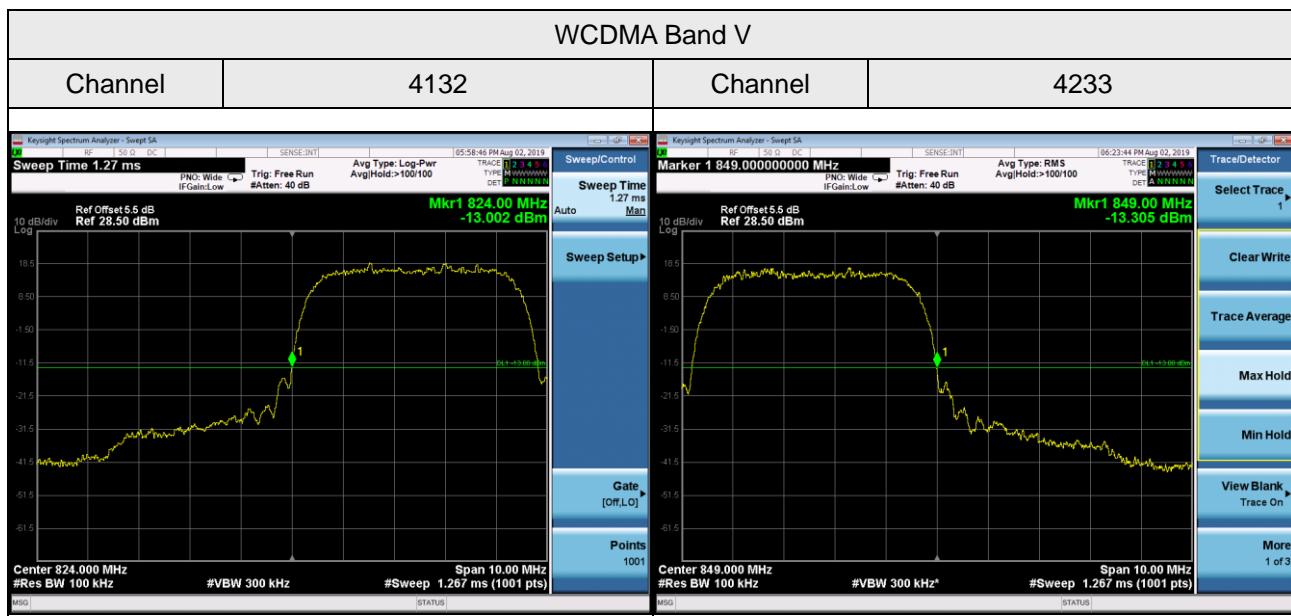
Test Mode: LTE Band 5\_TX CH20525\_10M

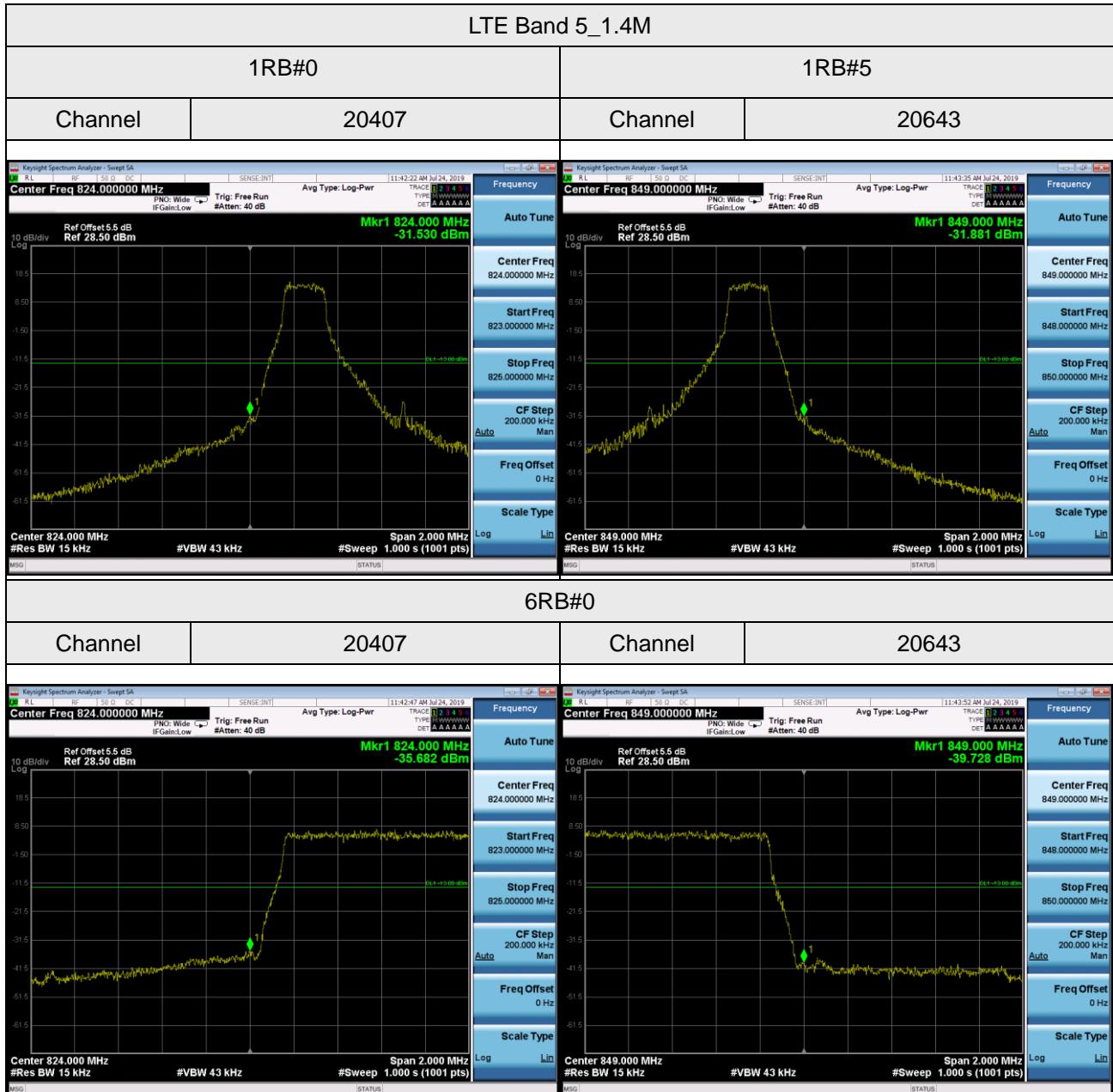


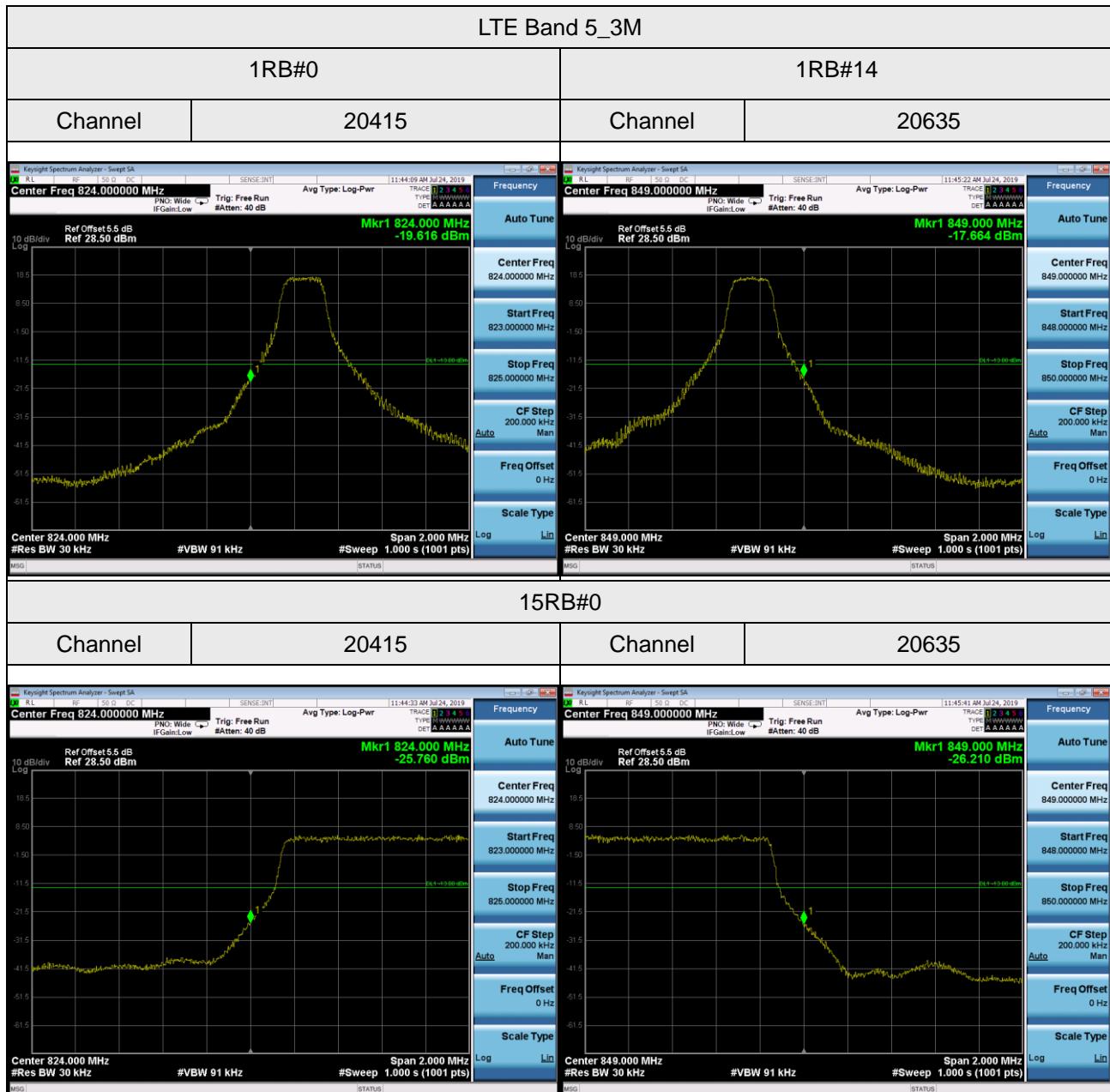
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1673.980	-27.55	-18.74	-46.29	-13.00	-33.29	peak	
2		2510.020	-39.83	-15.98	-55.81	-13.00	-42.81	peak	
3		3345.955	-53.85	-14.12	-67.97	-13.00	-54.97	peak	

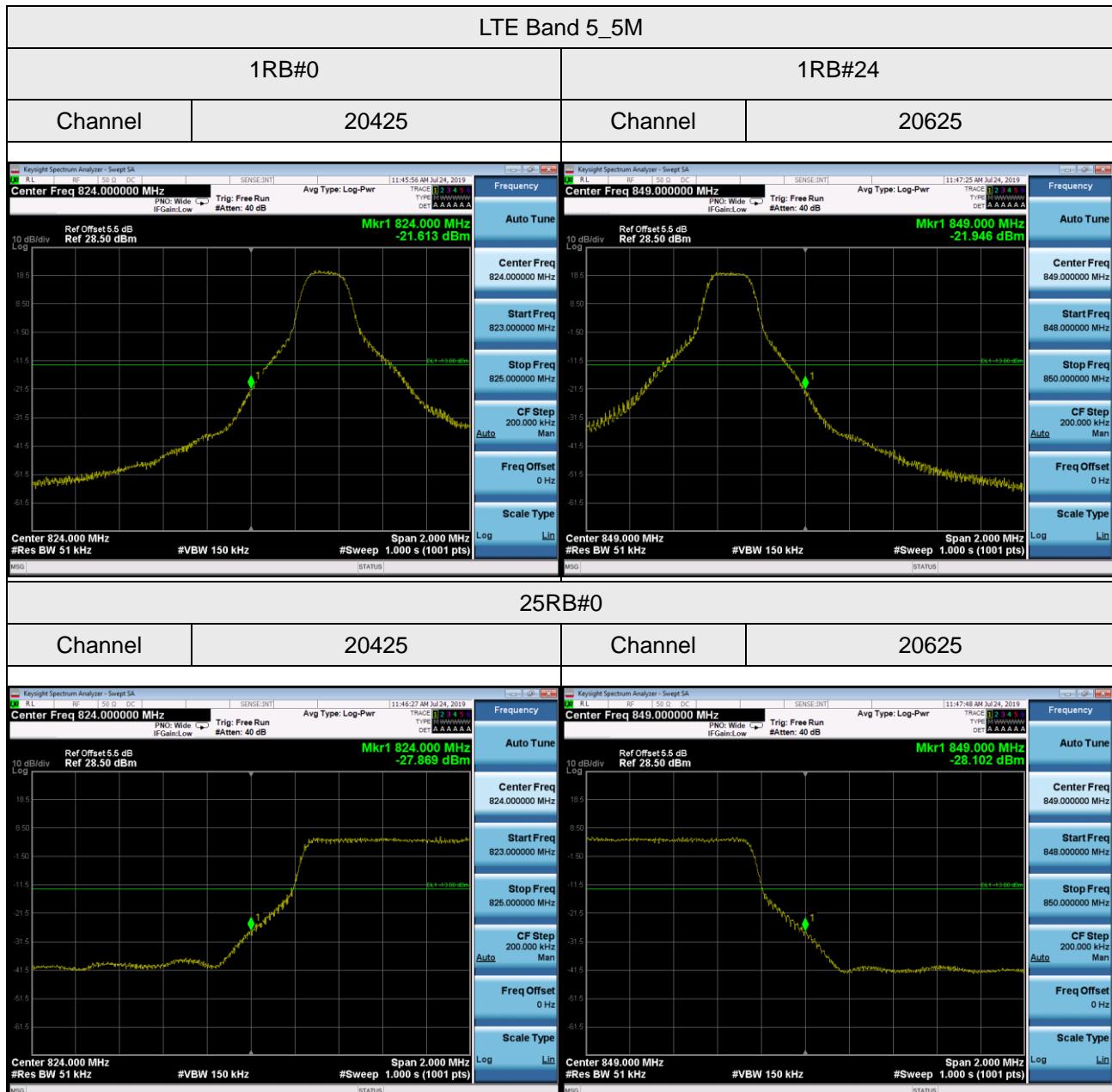
**APPENDIX G - BAND EDGE**

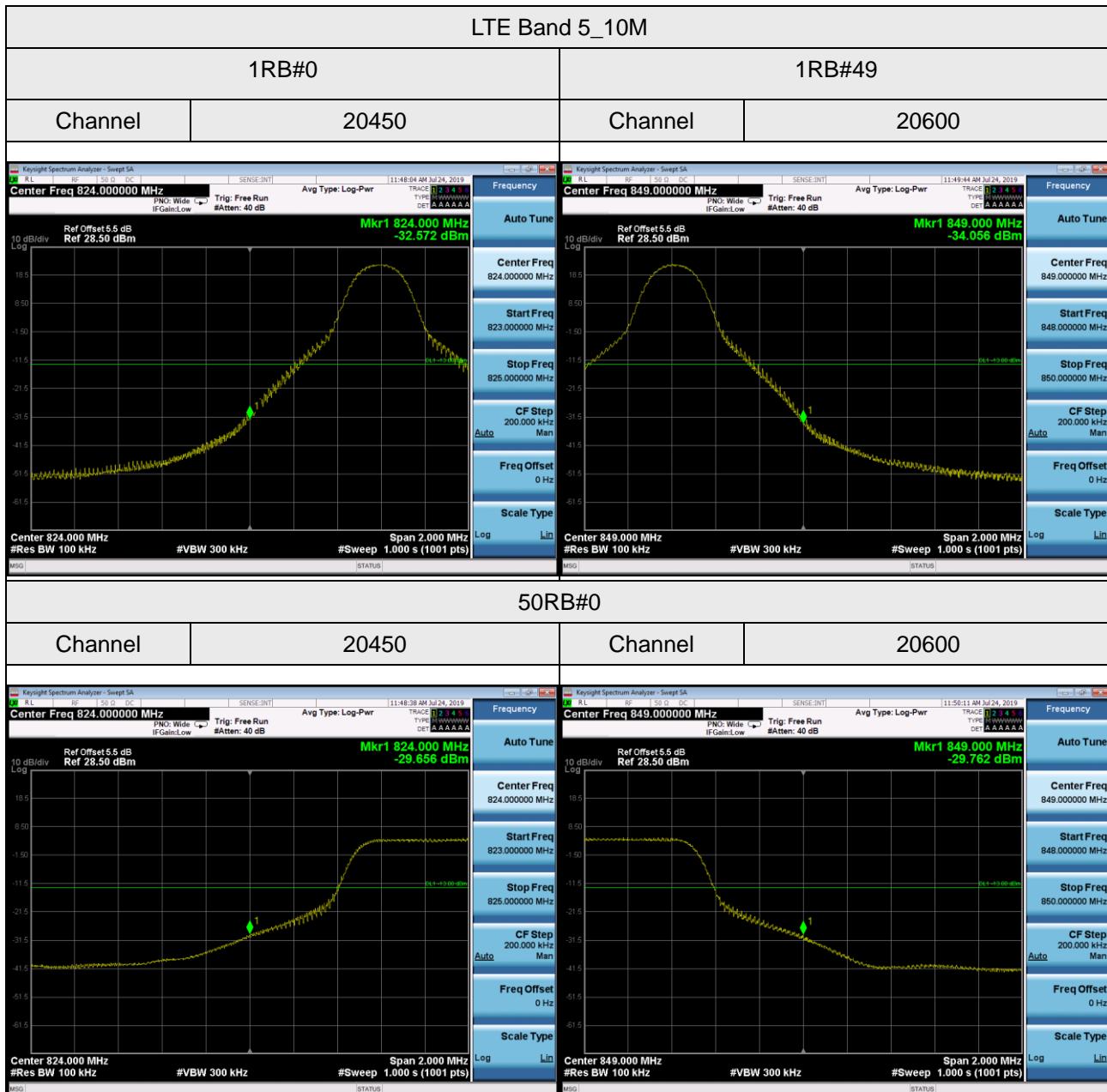




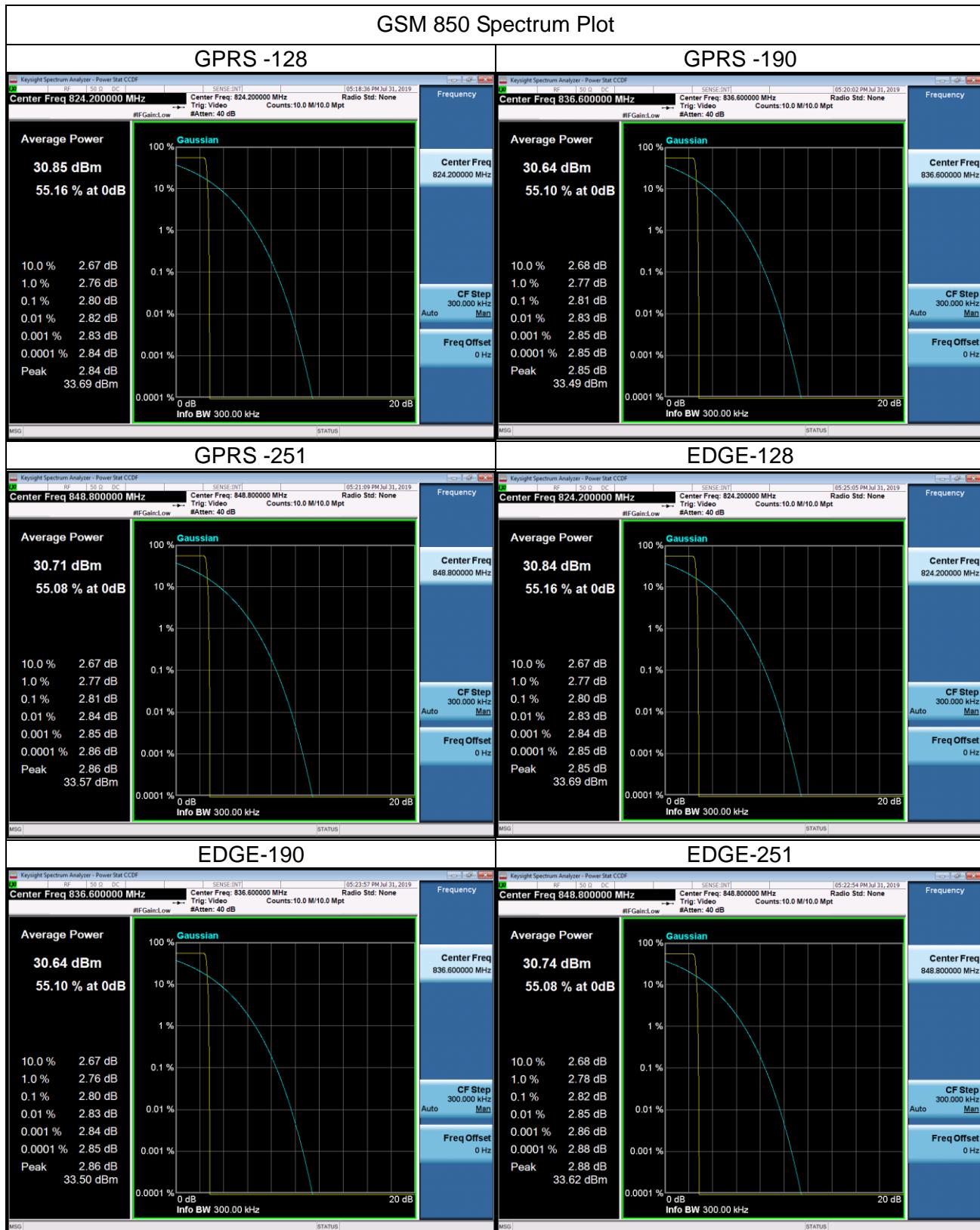




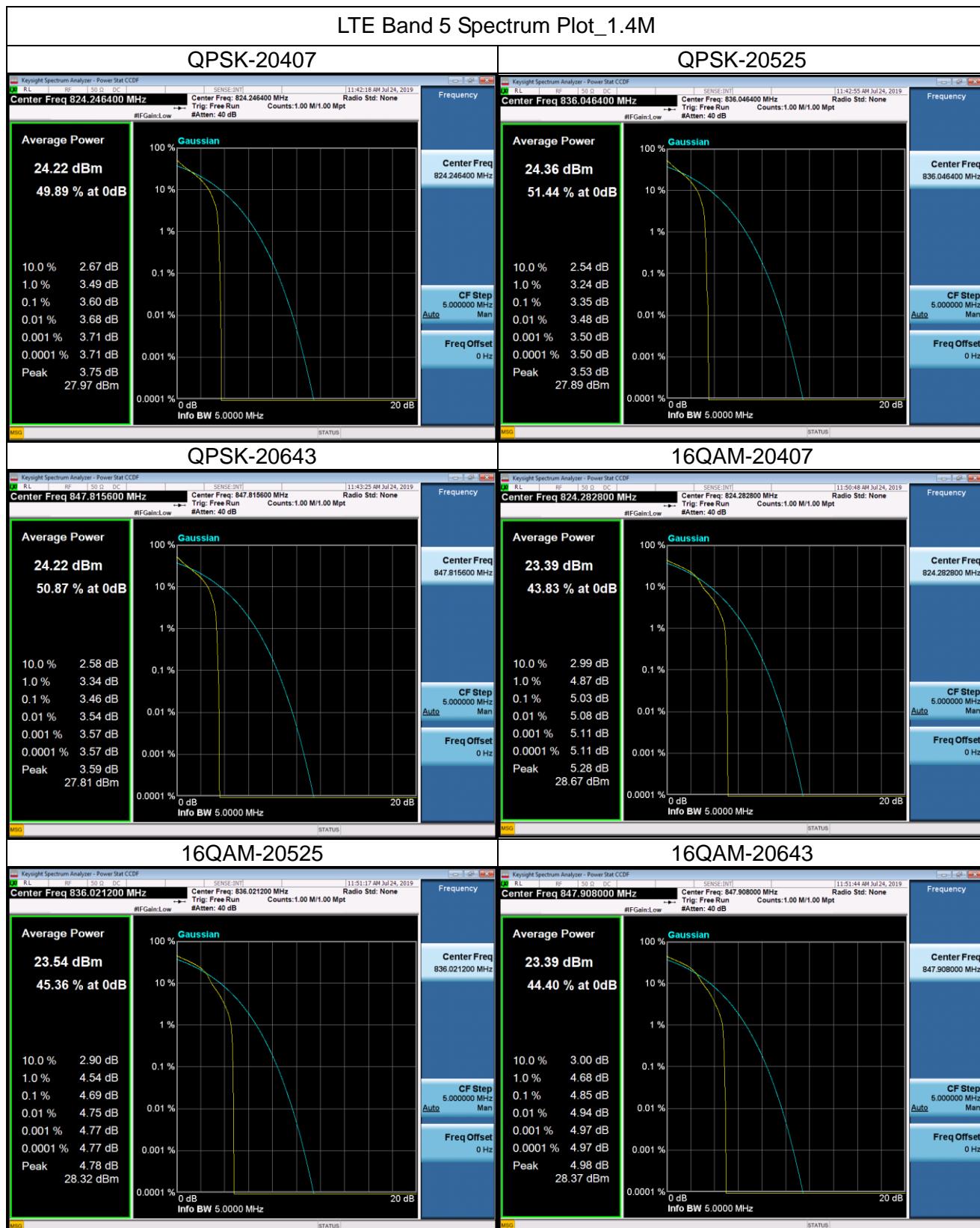




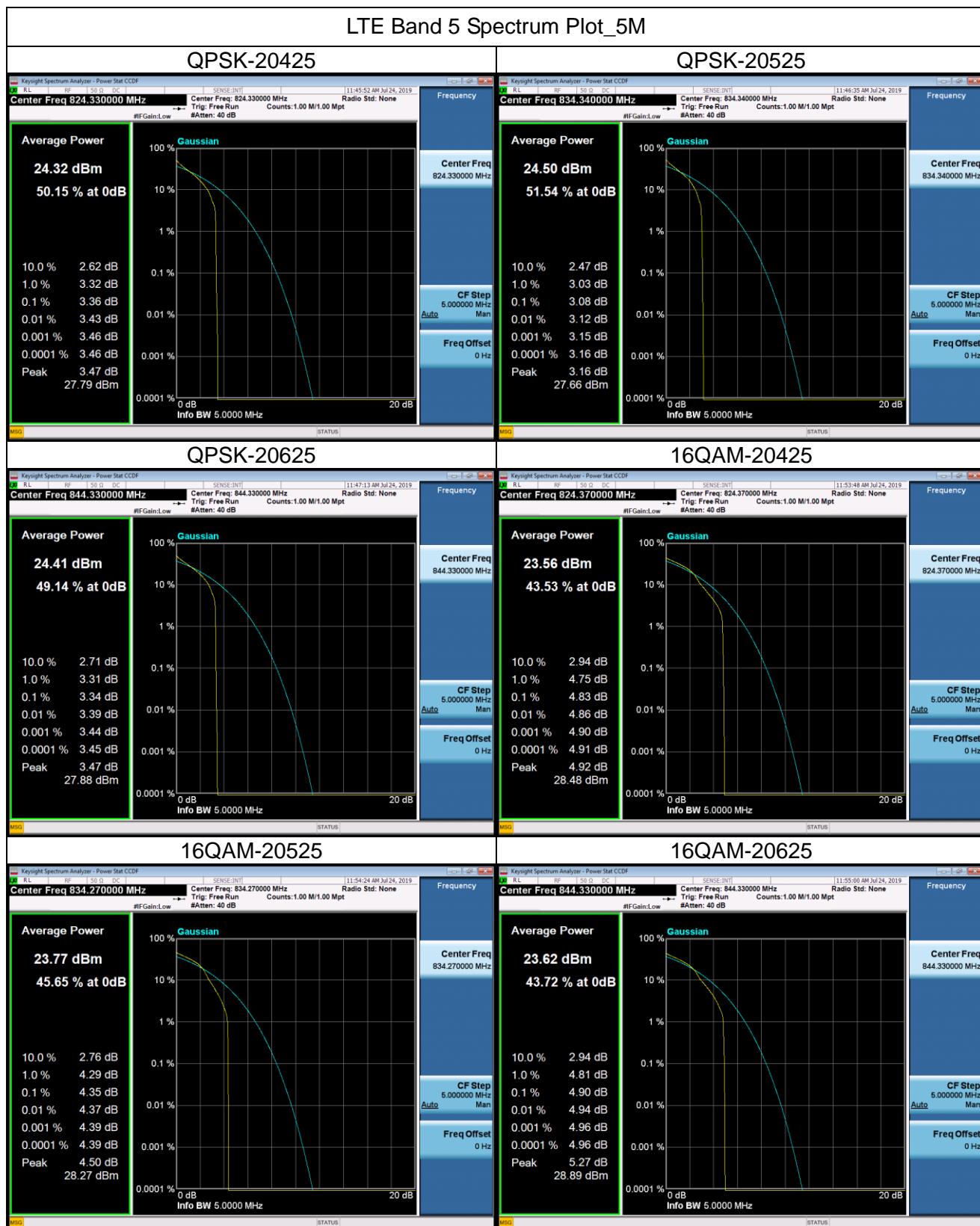
**APPENDIX H - PEAK TO AVERAGE RATIO**













## **APPENDIX I - FREQUENCY STABILITY**

Test Mode: GSM850\_CH190

**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-4.83	-0.005773368	±2.5
-10	4.43	0.005295243	
0	5.12	0.00612001	
10	5.37	0.006418838	
20	5.49	0.006562276	
30	6.29	0.007518527	
40	6.84	0.00817595	
50	6.24	0.007458762	
Max. Deviation (ppm)	6.84	0.00817595	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
6.6	2.41	0.002880708	±2.5
7.2	3.34	0.00399235	
8.4	3.51	0.004195553	
Max. Deviation (ppm)	3.51	0.004195553	

Test Mode:	WCDMA Band V_CH4182
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	5.16	0.006169297	±2.5
-10	5.42	0.006480153	
0	4.41	0.005272597	
10	6.87	0.008213773	
20	5.93	0.007089909	
30	3.61	0.004316117	
40	4.06	0.004854137	
50	2.62	0.003132473	
Max. Deviation (ppm)	6.87	0.008213773	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
6.6	3.18	0.003802009	±2.5
7.2	2.51	0.003000956	
8.4	1.97	0.002355332	
Max. Deviation (ppm)	3.18	0.003802009	

Test Mode: LTE Band 5\_CH20525\_1.4M

**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	2.47	0.002952779	±2.5
-10	3.45	0.004124328	
0	1.18	0.00141064	
10	-2.33	-0.002785415	
20	1.47	0.001757322	
30	2.01	0.002402869	
40	4.55	0.005439331	
50	3.11	0.003717872	
Max. Deviation (ppm)	4.55	0.005439331	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
6.6	-5.62	-0.00671847	±2.5
7.2	2.03	0.002426778	
8.4	-0.81	-0.00096832	
Max. Deviation (ppm)	-5.62	-0.00671847	

Test Mode: LTE Band 5\_CH20525\_3M

**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.34	-0.006383742	±2.5
-10	-5.42	-0.006479378	
0	2.46	0.002940825	
10	3.11	0.003717872	
20	-1.21	-0.001446503	
30	2.13	0.002546324	
40	6.11	0.007304244	
50	1.31	0.001566049	
Max. Deviation (ppm)	6.11	0.007304244	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
6.6	-1.27	-0.001518231	±2.5
7.2	-5.62	-0.00671847	
8.4	2.49	0.002976689	
Max. Deviation (ppm)	-5.62	-0.00671847	

Test Mode: LTE Band 5\_CH20525\_5M

**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.94	-0.003514644	±2.5
-10	-2.71	-0.003239689	
0	1.82	0.002175732	
10	4.52	0.005403467	
20	-1.06	-0.001267185	
30	2.26	0.002701733	
40	-3.71	-0.004435146	
50	-4.55	-0.005439331	
Max. Deviation (ppm)	-4.55	-0.005439331	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
6.6	1.46	0.001745368	±2.5
7.2	5.32	0.006359833	
8.4	2.83	0.003383144	
Max. Deviation (ppm)	5.32	0.006359833	

Test Mode: LTE Band 5\_CH20525\_10M

**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	4.13	0.004937238	±2.5
-10	5.58	0.006670652	
0	3.61	0.004315601	
10	2.57	0.003072325	
20	3.64	0.004351464	
30	-1.44	-0.001721458	
40	3.72	0.004447101	
50	5.89	0.007041243	
Max. Deviation (ppm)	5.89	0.007041243	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
6.6	2.23	0.00266587	±2.5
7.2	-1.02	-0.001219366	
8.4	3.25	0.003885236	
Max. Deviation (ppm)	3.25	0.003885236	