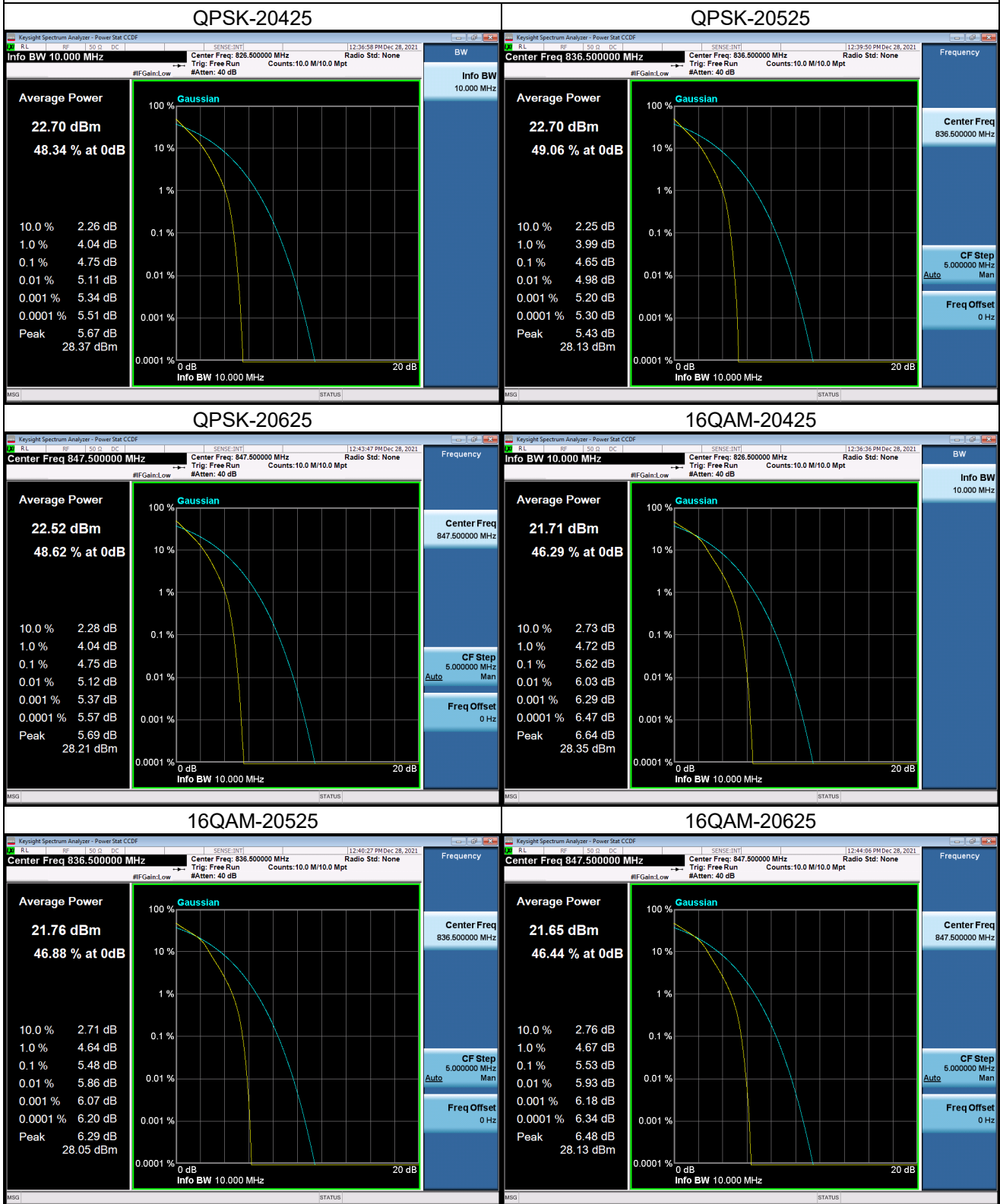
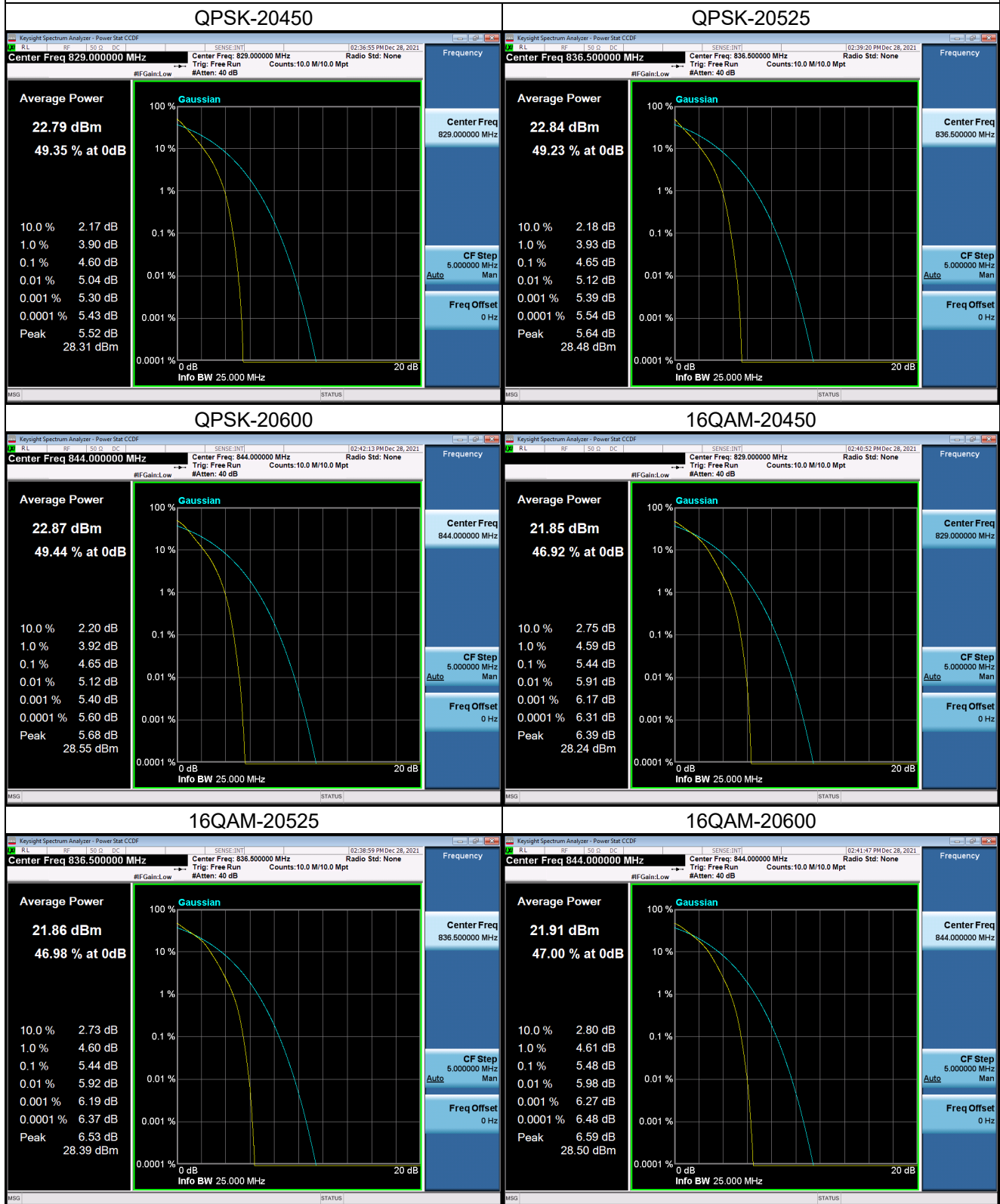


LTE Band 5 Spectrum Plot_5M



LTE Band 5 Spectrum Plot_10M



APPENDIX I - FREQUENCY STABILITY

Test Mode:	GSM850_CH190
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-6.85	-0.008187903	± 2.5
-10	-5.22	-0.006239541	
0	5.66	0.006765479	
10	2.89	0.003454459	
20	5.21	0.006227588	
30	6.29	0.007518527	
40	3.15	0.00376524	
50	4.28	0.005115945	
Max. Deviation (ppm)	6.29	0.007518527	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.5	-10.86	-0.012981114	± 2.5
3.8	-5.89	-0.007040402	
3.4	20.36	0.024336601	
Max. Deviation (ppm)	20.36	0.024336601	

Test Mode:	WCDMA Band V_CH4407
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.83	0.006970349	± 2.5
-10	-6.66	0.007962697	
0	-3.52	0.004208513	
10	5.33	0.006372549	
20	4.11	0.004913917	
30	-5.69	0.006802965	
40	-5.22	0.006241033	
50	-6.33	0.007568149	
Max. Deviation (ppm)	6.66	0.007568149	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.5	7.34	0.008775705	± 2.5
3.8	-5.32	0.006360593	
3.4	-0.35	0.000418460	
Max. Deviation (ppm)	7.34	0.008775705	

Test Mode:	LTE Band 5_CH20525_1.4M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-8.32	-0.009949237	± 2.5
-10	10.57	0.012641082	
0	1.93	0.002308855	
10	-6.31	-0.007543921	
20	-4.30	-0.005145451	
30	-5.03	-0.006019061	
40	2.40	0.002874122	
50	7.34	0.008774383	
Max. Deviation (ppm)	10.57	0.012641082	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.5	-1.27	-0.00151616	± 2.5
3.8	-0.92	-0.001094522	
3.4	7.38	0.008817144	
Max. Deviation (ppm)	7.38	0.008817144	

Test Mode:	LTE Band 5_CH20525_3M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	6.91	0.008263795	± 2.5
-10	-1.30	-0.001555303	
0	6.90	0.008251241	
10	-2.66	-0.003177016	
20	2.09	0.002497373	
30	-1.14	-0.001357787	
40	3.35	0.004003979	
50	-9.75	-0.011655087	
Max. Deviation (ppm)	-9.75	-0.011655087	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.5	-0.74	-0.000881872	± 2.5
3.8	4.13	0.004934646	
3.4	-3.02	-0.003605916	
Max. Deviation (ppm)	4.13	0.004934646	

Test Mode:	LTE Band 5_CH20525_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	2.76	0.003293672	±2.5
-10	9.88	0.011810543	
0	-4.73	-0.005651946	
10	-5.48	-0.00654772	
20	6.20	0.007408465	
30	-0.80	-0.000954748	
40	4.17	0.004979467	
50	-7.88	-0.009421401	
Max. Deviation (ppm)	9.88	0.011810543	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.5	-5.39	-0.006445716	±2.5
3.8	2.42	0.002889044	
3.4	-5.34	-0.006387225	
Max. Deviation (ppm)	-5.39	-0.006445716	

Test Mode:	LTE Band 5_CH20525_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	6.97	0.008328941	±2.5
-10	5.37	0.006414934	
0	-0.52	-0.000616826	
10	10.56	0.012620888	
20	-1.62	-0.001933906	
30	5.69	0.006802288	
40	-7.01	-0.008377584	
50	-6.83	-0.008160419	
Max. Deviation (ppm)	10.56	0.012620888	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.5	10.50	0.012557532	±2.5
3.8	3.90	0.004657966	
3.4	-0.13	-0.000151349	
Max. Deviation (ppm)	10.50	0.012557532	

End of Test Report