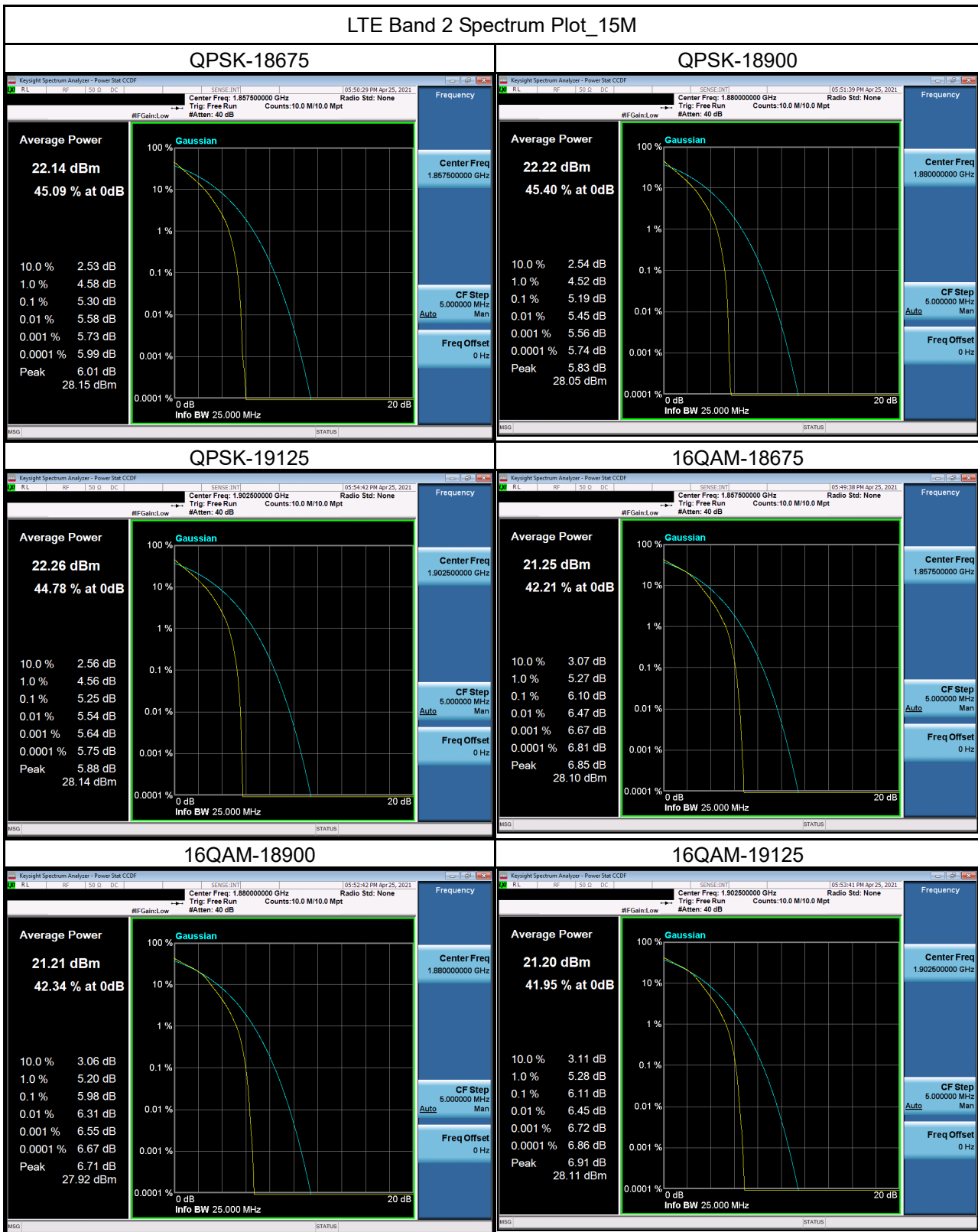
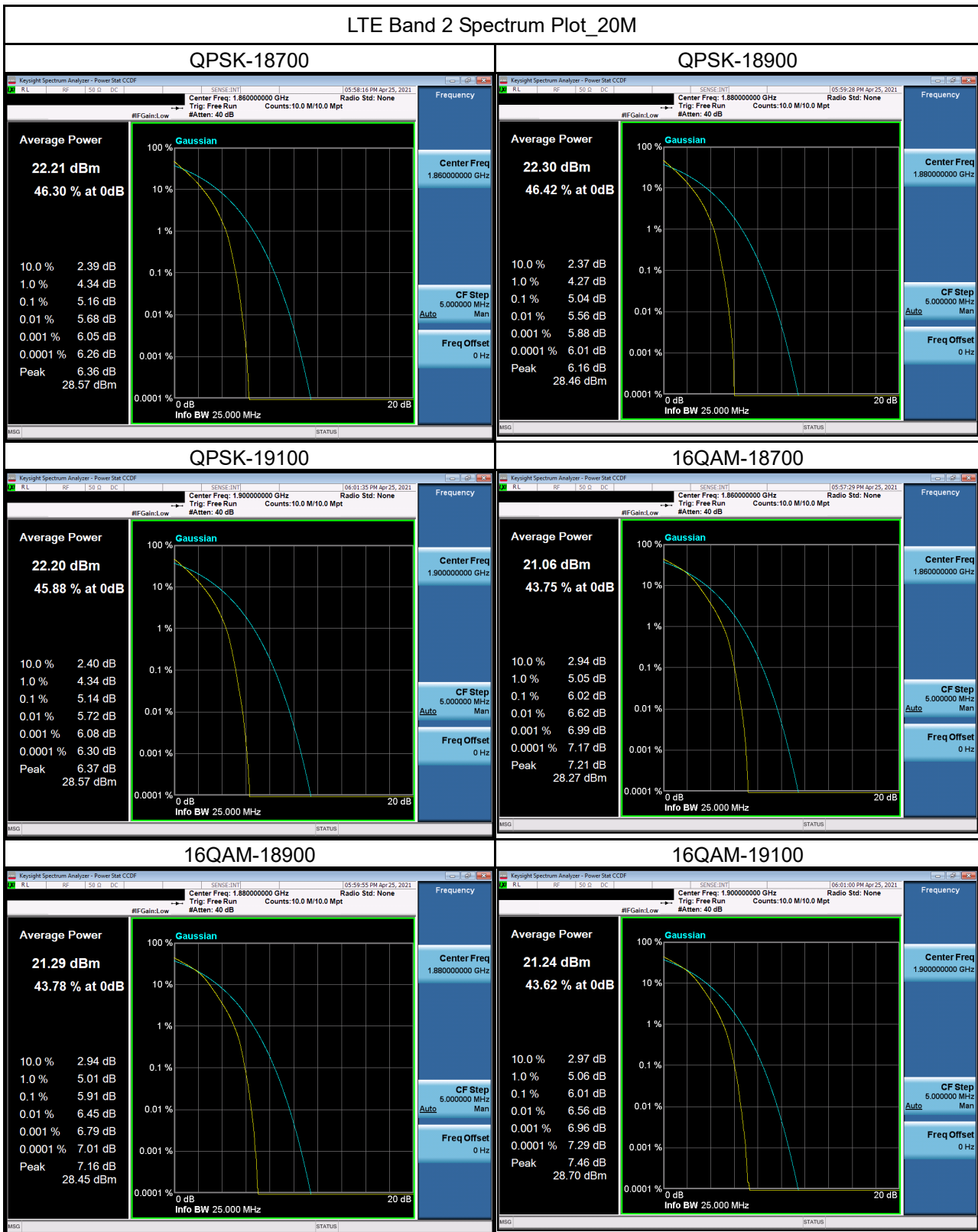


LTE Band 2 Spectrum Plot_15M



LTE Band 2 Spectrum Plot_20M



APPENDIX I - FREQUENCY STABILITY

Test Mode:	PCS1900_CH661
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	3.96	0.002106383	±2.5
-10	-4.17	-0.002218085	
0	5.07	0.002696809	
10	3.64	0.00193617	
20	4.72	0.002510638	
30	5.66	0.003010638	
40	3.66	0.001946809	
50	3.21	0.001707447	
Max. Deviation (ppm)	5.66	0.003010638	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.3	2.26	0.001202128	±2.5
3.8	3.75	0.001994681	
3.3	3.48	0.001851064	
Max. Deviation (ppm)	3.75	0.001994681	

Test Mode:	WCDMA Band II_CH9400
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	3.43	0.001824468	±2.5
-10	5.18	0.002755319	
0	3.61	0.001920213	
10	5.75	0.003058511	
20	-3.28	0.001744681	
30	-3.58	0.001904255	
40	4.48	0.002382979	
50	-2.24	0.001191489	
Max. Deviation (ppm)	5.75	0.003058511	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.3	2.52	0.001340426	±2.5
3.8	2.84	0.001510638	
3.3	3.45	0.001835106	
Max. Deviation (ppm)	3.45	0.001835106	

Test Mode:	LTE Band 2_CH18900_1.4M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.86	-0.003117021	±2.5
-10	4.23	0.00225	
0	-1.81	-0.000962766	
10	4.55	0.002420213	
20	-2.63	-0.001398936	
30	-3.27	-0.001739362	
40	-4.03	-0.002143617	
50	-1.60	-0.000851064	
Max. Deviation (ppm)	-5.86	-0.003117021	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.3	-3.98	-0.002117021	±2.5
3.8	4.62	0.002457447	
3.3	-5.45	-0.002898936	
Max. Deviation (ppm)	-5.45	-0.002898936	

Test Mode:	LTE Band 2_CH18900_3M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	3.55	0.001888298	±2.5
-10	3.78	0.002010638	
0	-5.39	-0.002867021	
10	1.64	0.00087234	
20	2.17	0.001154255	
30	-0.53	-0.000281915	
40	-2.95	-0.001569149	
50	0.90	0.000478723	
Max. Deviation (ppm)	-5.39	-0.002867021	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.3	2.03	0.001079787	±2.5
3.8	-6.06	-0.003223404	
3.3	-6.20	-0.003297872	
Max. Deviation (ppm)	-6.20	-0.003297872	

Test Mode:	LTE Band 2_CH18900_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	3.28	0.001744681	±2.5
-10	3.49	0.001856383	
0	-5.61	-0.002984043	
10	1.38	0.000734043	
20	1.93	0.001026596	
30	-0.82	-0.00043617	
40	-3.16	-0.001680851	
50	0.62	0.000329787	
Max. Deviation (ppm)	-5.61	-0.002984043	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.3	0.21	0.000111702	±2.5
3.8	-1.04	-0.000553191	
3.3	-3.09	-0.001643617	
Max. Deviation (ppm)	-3.09	-0.001643617	

Test Mode:	LTE Band 2_CH18900_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	0.36	0.000191489	±2.5
-10	3.56	0.001893617	
0	-3.61	-0.001920213	
10	-0.65	-0.000345745	
20	-0.20	-0.000106383	
30	4.55	0.002420213	
40	-1.04	-0.000553191	
50	4.70	0.002500000	
Max. Deviation (ppm)	4.70	0.002500000	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.3	-0.22	-0.000117021	±2.5
3.8	-1.27	-0.000675532	
3.3	-3.35	-0.001781915	
Max. Deviation (ppm)	-3.35	-0.001781915	

Test Mode:	LTE Band 2_CH18900_15M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	0.21	0.000111702	±2.5
-10	3.30	0.001755319	
0	-3.85	-0.002047872	
10	-0.93	-0.000494681	
20	-0.47	-0.000250000	
30	4.32	0.002297872	
40	-1.28	-0.000680851	
50	4.46	0.002372340	
Max. Deviation (ppm)	4.46	0.002372340	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.3	4.46	0.00237234	±2.5
3.8	4.87	0.002590426	
3.3	2.69	0.001430851	
Max. Deviation (ppm)	4.87	0.002590426	

Test Mode:	LTE Band 2_CH18900_20M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.71	-0.003037234	±2.5
-10	5.49	0.002920213	
0	0.82	0.000436170	
10	2.68	0.001425532	
20	-3.30	-0.001755319	
30	0.25	0.000132979	
40	4.98	0.002648936	
50	5.54	0.002946809	
Max. Deviation (ppm)	-5.71	-0.003037234	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.3	4.19	0.002228723	±2.5
3.8	4.61	0.002452128	
3.3	2.49	0.001324468	
Max. Deviation (ppm)	4.61	0.002452128	

End of Test Report