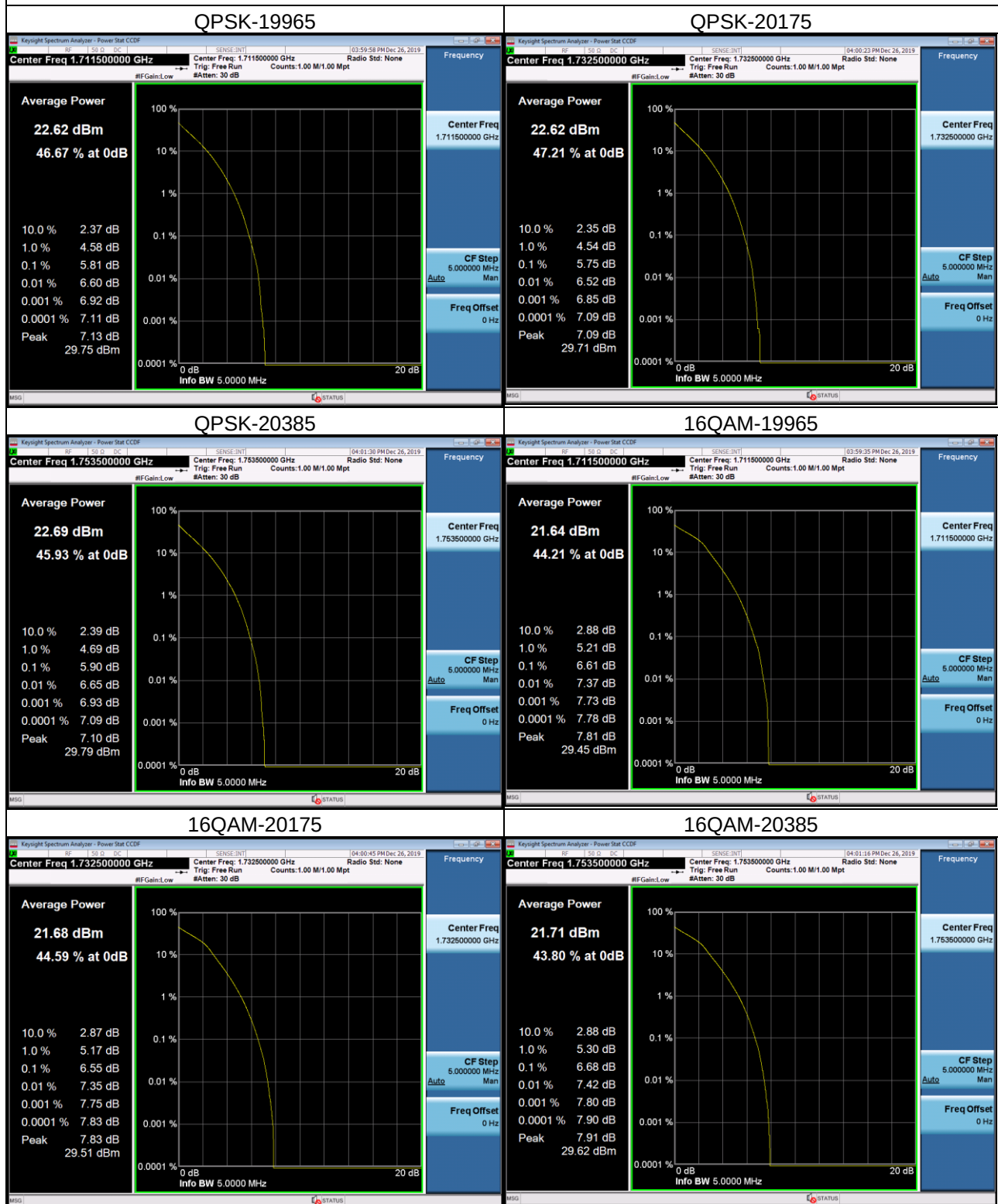


LTE Band 4_3M Spectrum Plot



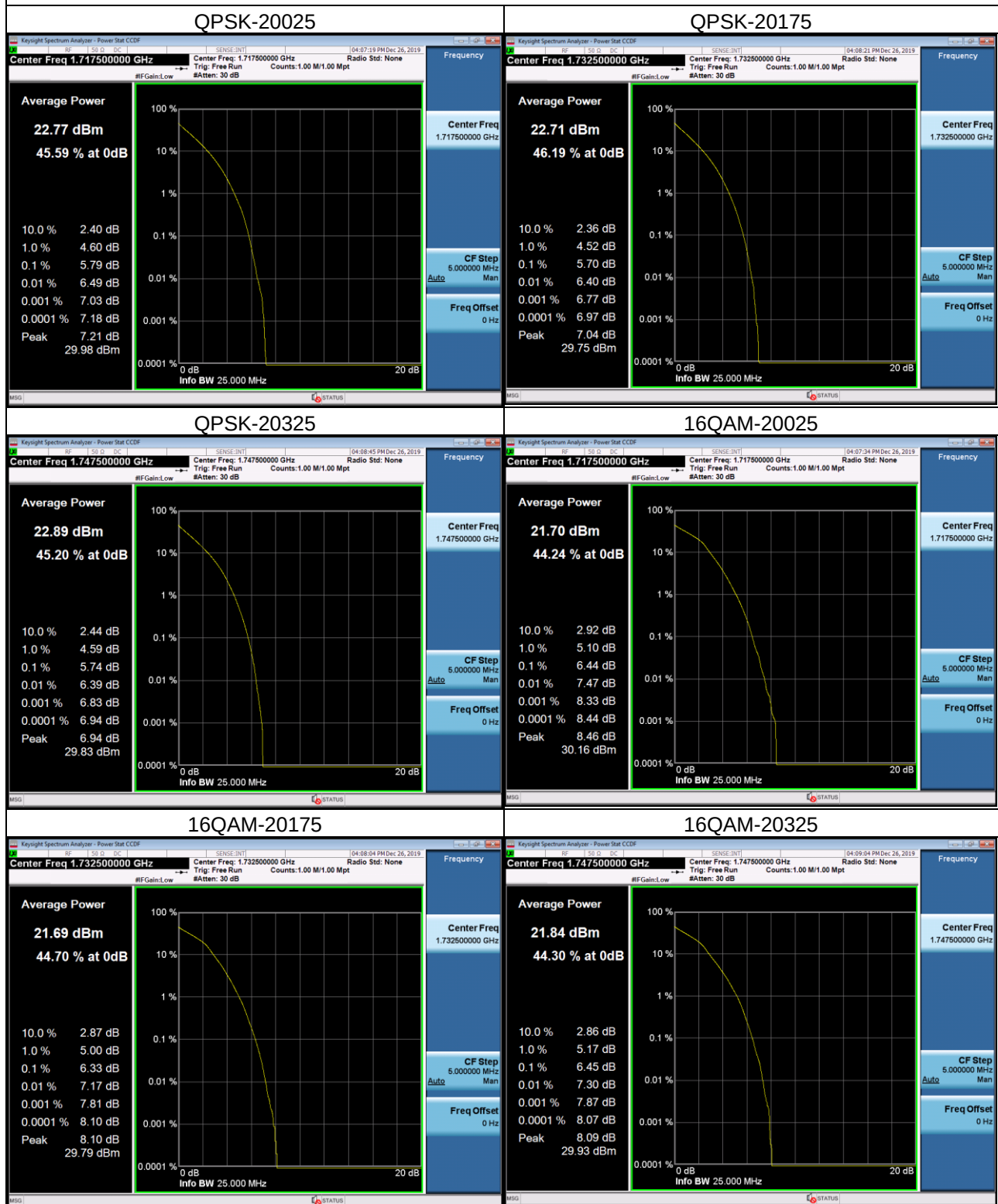
LTE Band 4_5M Spectrum Plot



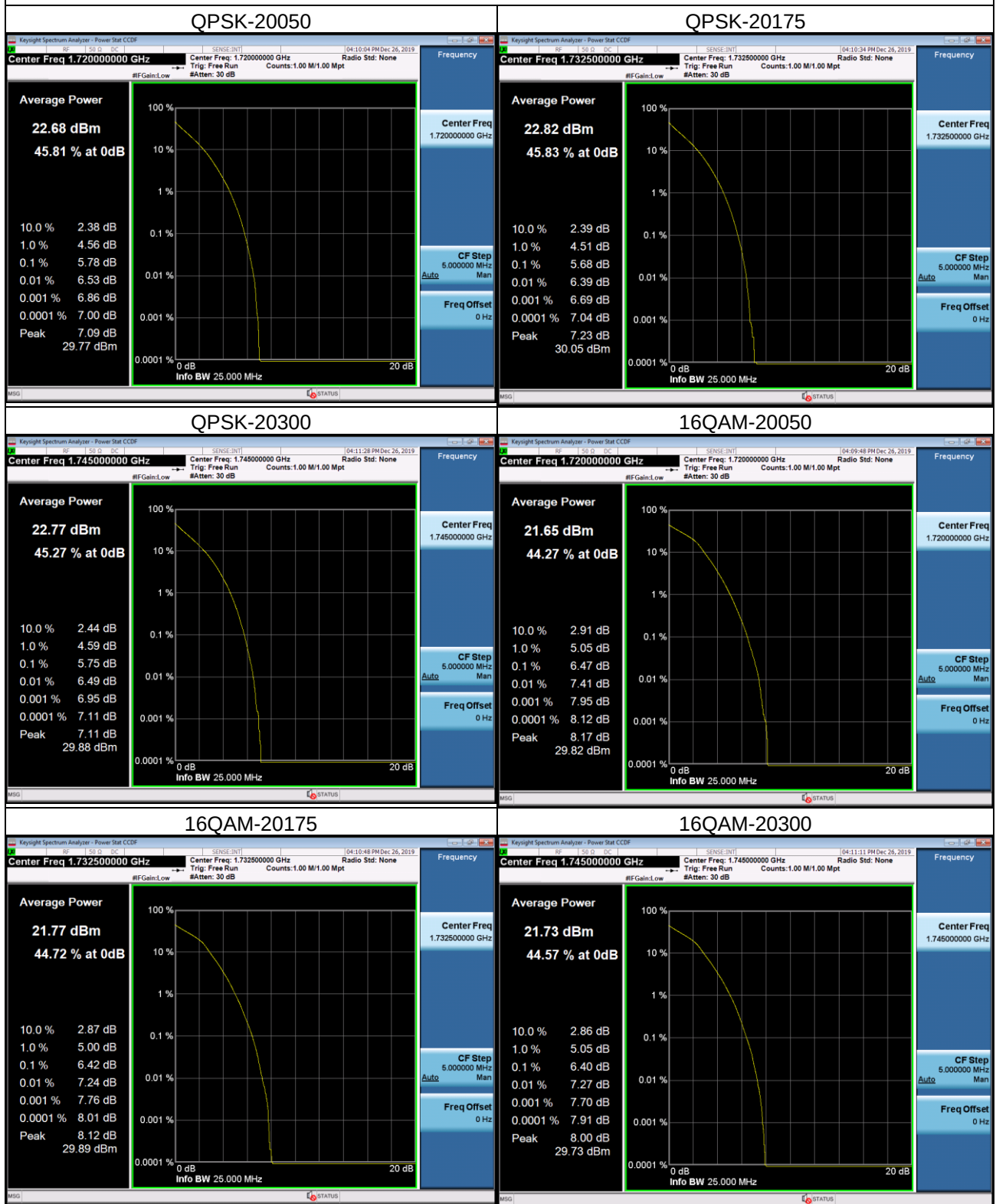
LTE Band 4_10M Spectrum Plot



LTE Band 4_15M Spectrum Plot



LTE Band 4_20M Spectrum Plot



LTE Band 12_1.4M Spectrum Plot



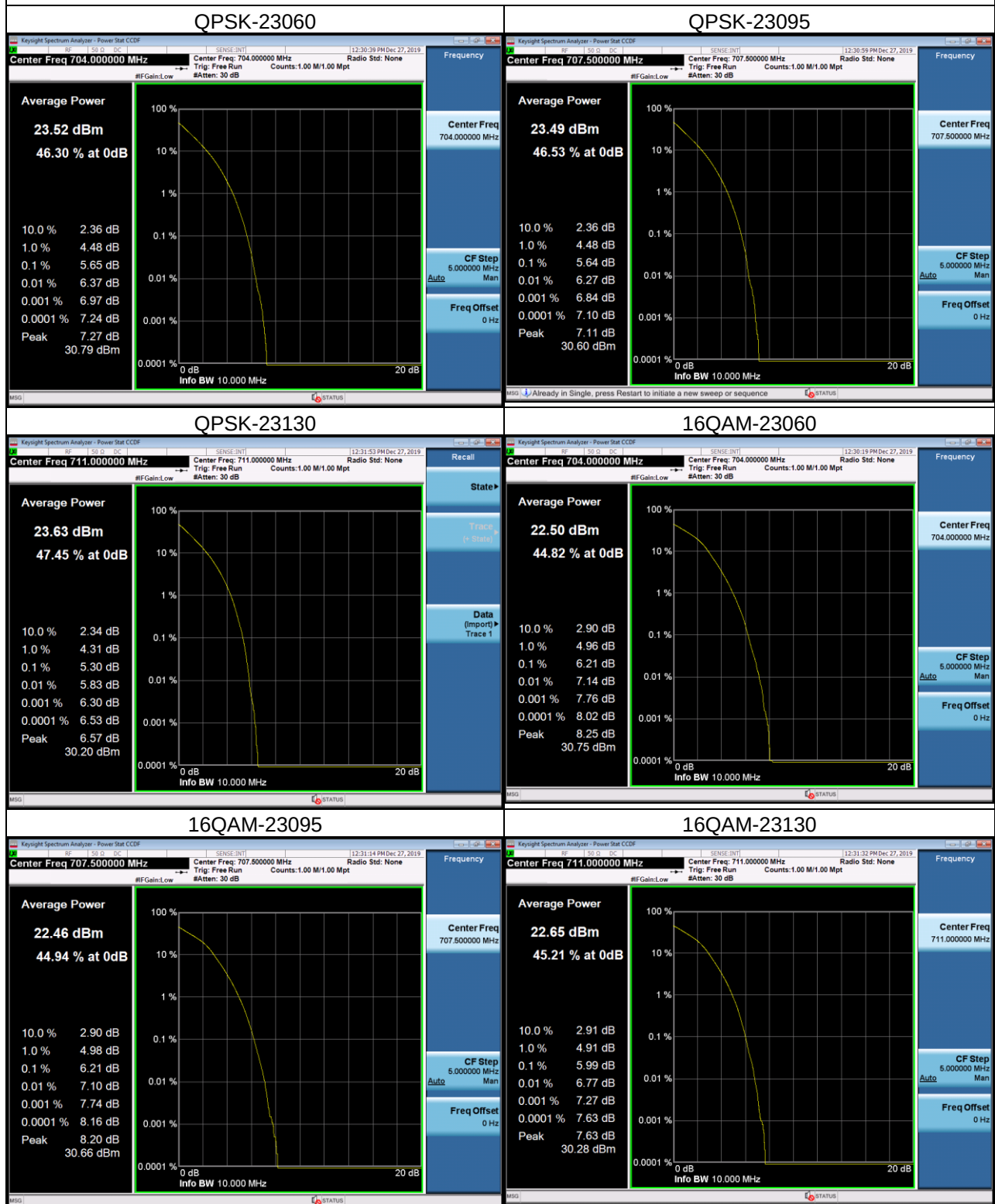
LTE Band 12_3M Spectrum Plot



LTE Band 12_5M Spectrum Plot



LTE Band 12_10M Spectrum Plot



APPENDIX I - FREQUENCY STABILITY

Test Mode	LTE Band 4_CH20175 & LTE Band 12_CH23095
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Temperature vs. Frequency Stability

Temp	Frequency Error(ppm)										Limit(ppm)
	LTE Band4						LTE Band12				
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	1.4MHz	3MHz	5MHz	10MHz	
-40	0.0086	0.0093	0.0096	0.0096	0.0092	0.0092	0.0089	0.009	0.0092	0.0085	2.5
-30	0.0076	0.0082	0.0078	0.0083	0.0083	0.0088	0.0083	0.0082	0.008	0.0066	2.5
-20	0.0069	0.0089	0.0082	0.007	0.0069	0.0072	0.0073	0.0086	0.0069	0.0072	2.5
-10	0.0063	0.0074	0.0064	0.0057	0.0062	0.0059	0.0057	0.0071	0.0074	0.0055	2.5
0	0.0055	0.0061	0.0059	0.0047	0.0054	0.0043	0.0045	0.006	0.0064	0.0049	2.5
10	0.0037	0.0042	0.0052	0.0038	0.0042	0.0025	0.0029	0.0046	0.0053	0.0042	2.5
20	0.0041	0.0033	0.0035	0.0043	0.0025	0.0033	0.001	0.0023	0.0035	0.0031	2.5
30	0.0024	0.0035	0.002	0.0029	0.0037	0.0028	0.0018	0.0031	0.0027	0.0021	2.5
40	0.0013	0.0009	0.0014	0.0009	0.0014	0.0017	-0.0002	0.0011	0.0007	0.0013	2.5
50	-0.0001	0.0005	-0.0008	0.0004	0.0002	0.0009	0.0001	-0.0003	-0.0003	0.0002	2.5
60	-0.0004	-0.0008	-0.0022	-0.0009	-0.0006	-0.0008	-0.0006	-0.002	-0.0013	-0.0004	2.5
70	-0.0017	-0.0015	-0.0029	-0.0019	-0.0024	-0.0016	-0.0022	-0.0019	-0.0028	-0.0016	2.5
80	-0.0026	-0.003	-0.0046	-0.0031	-0.0043	-0.0029	-0.0038	-0.0032	-0.0047	-0.0031	2.5
90	-0.0032	-0.0049	-0.0061	-0.0049	-0.0059	-0.0044	-0.0054	-0.005	-0.0051	-0.0046	2.5
100	-0.0056	-0.0061	-0.0058	-0.0064	-0.0068	-0.0061	-0.0075	-0.0068	-0.0073	-0.0063	2.5
105	-0.0067	-0.0074	-0.0072	-0.0076	-0.0071	-0.008	-0.0085	-0.0079	-0.0082	-0.0076	2.5

Voltage vs. Frequency Stability

Voltage	Frequency Error(ppm)										Limit(ppm)
	LTE Band4						LTE Band12				
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	1.4MHz	3MHz	5MHz	10MHz	
High Voltage	0.0042	0.0037	0.0042	0.0043	0.0032	0.0032	0.0009	0.0023	0.0037	0.0032	2.5
Normal Voltage	0.0038	0.0036	0.004	0.0042	0.0029	0.0032	0.0008	0.0021	0.0036	0.0032	2.5
Low Voltage	0.0037	0.0034	0.0038	0.0042	0.0027	0.003	0.0006	0.0021	0.0034	0.003	2.5

End of Test Report