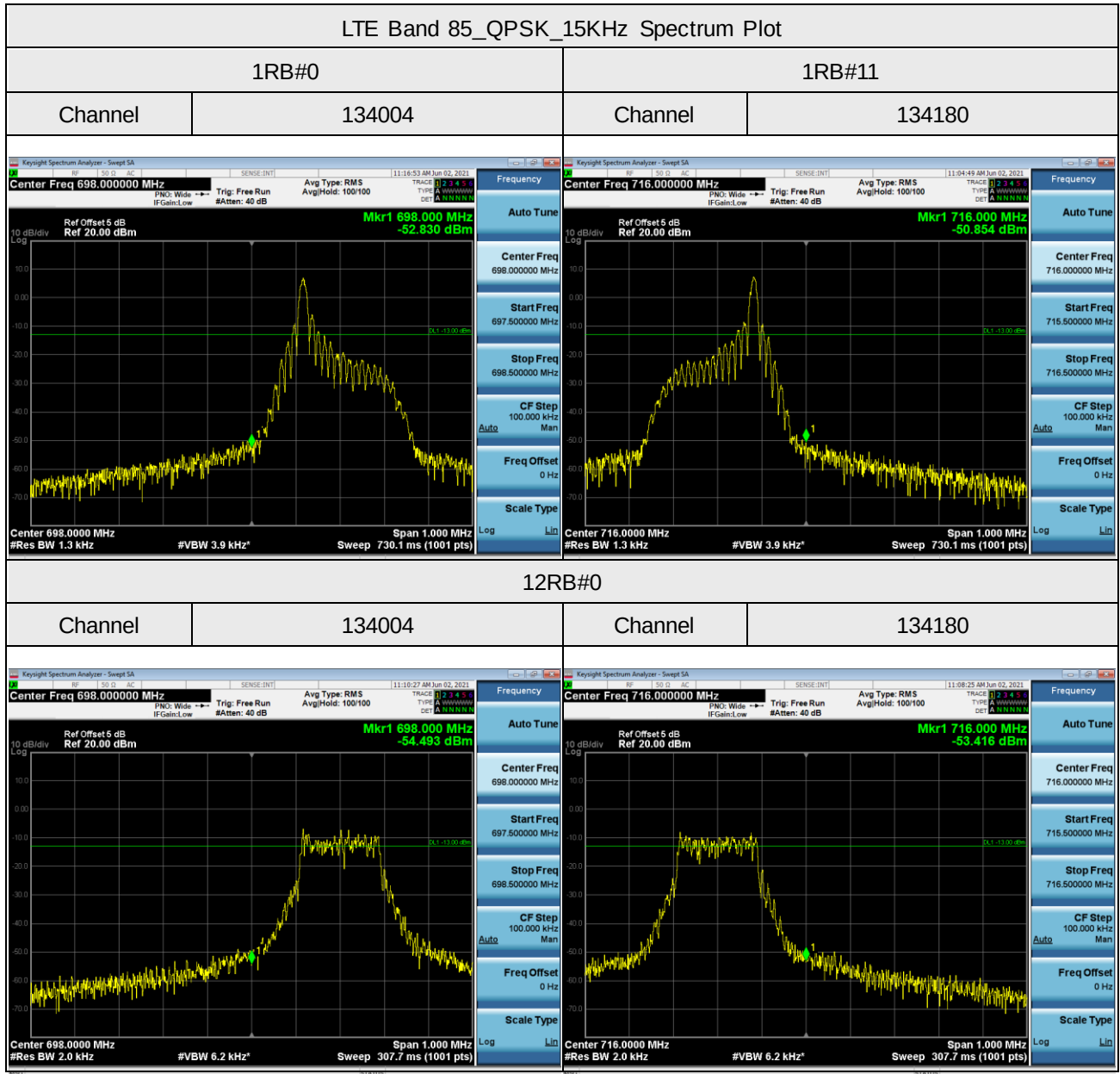
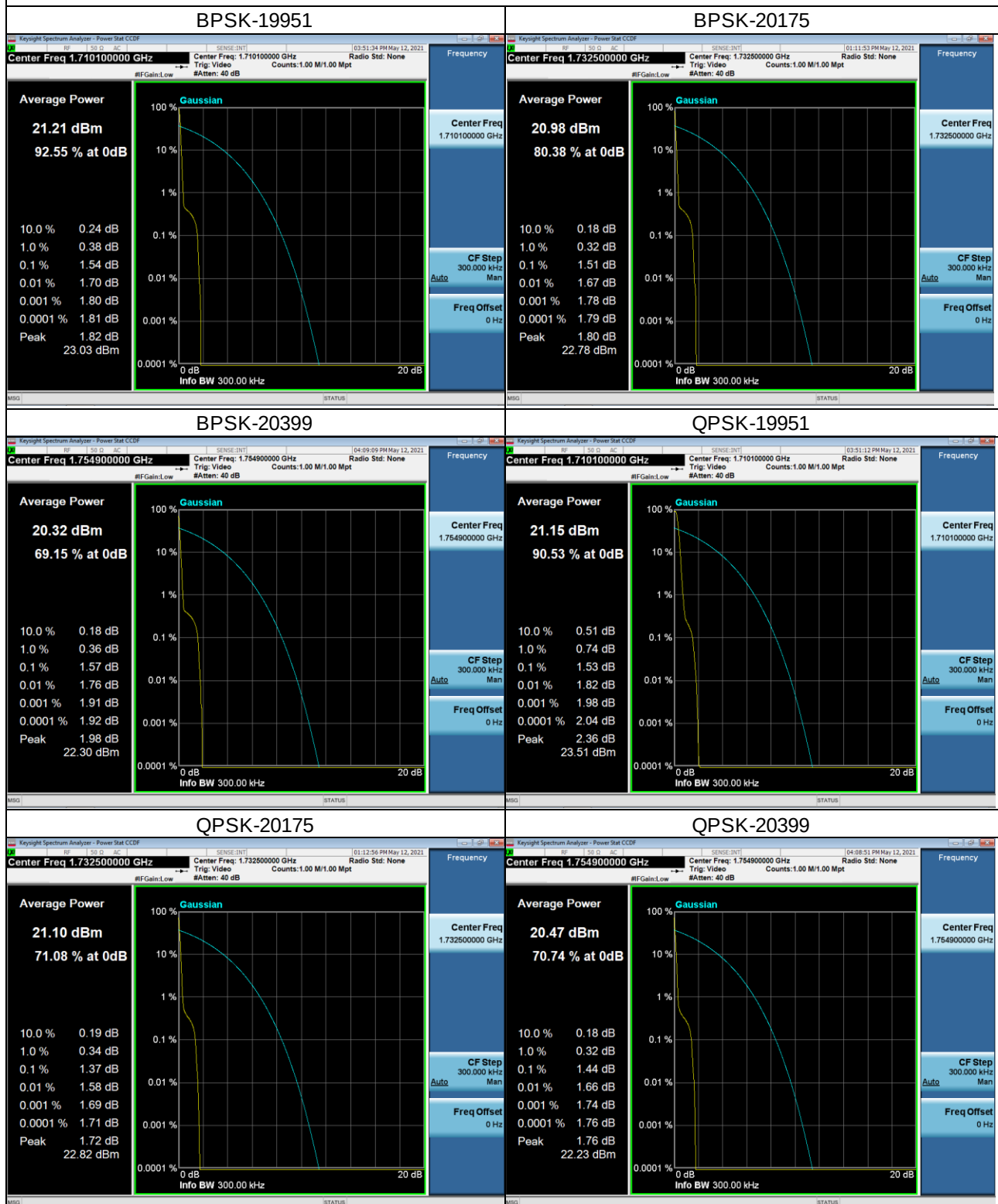


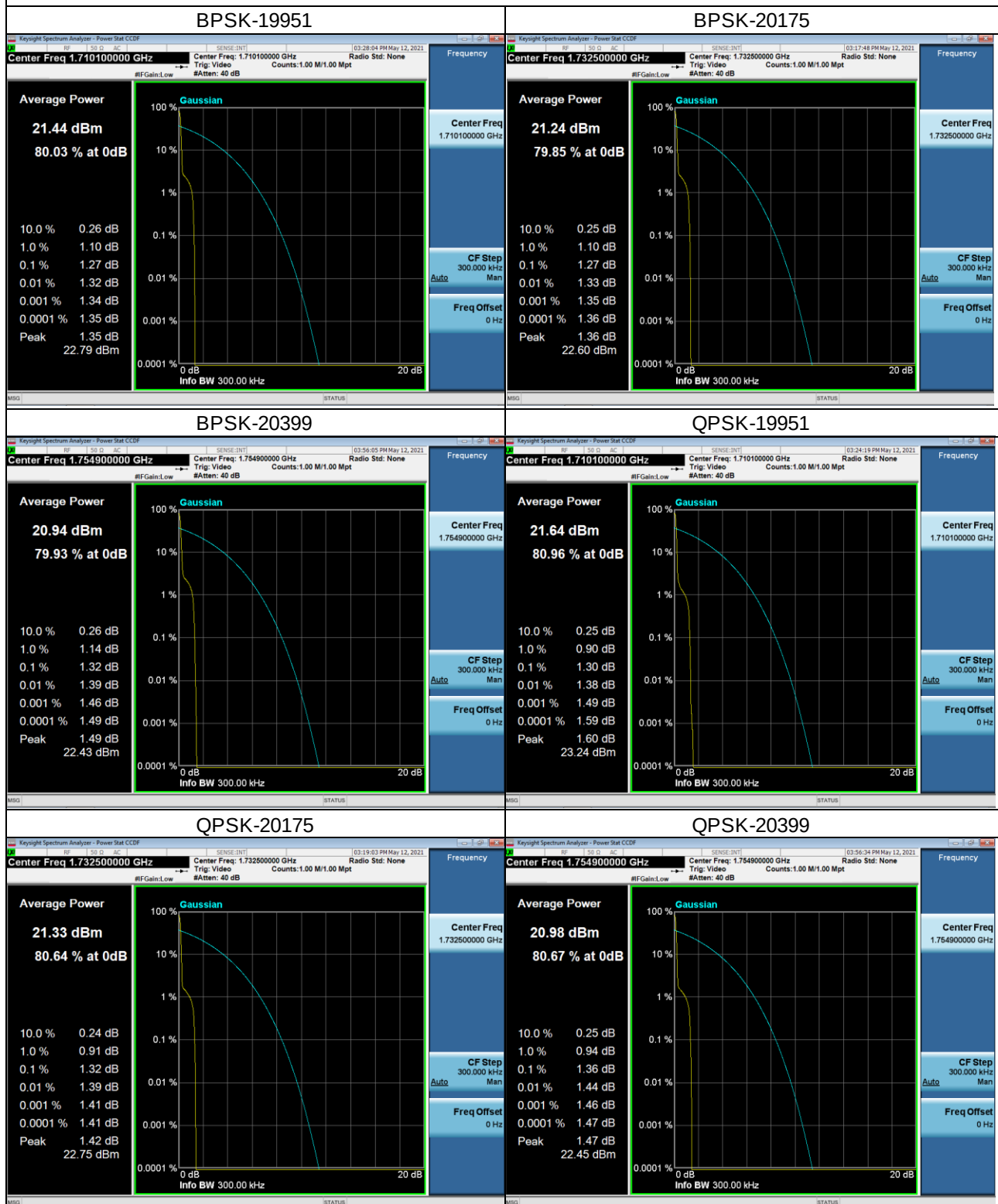


APPENDIX H - PEAK TO AVERAGE RATIO

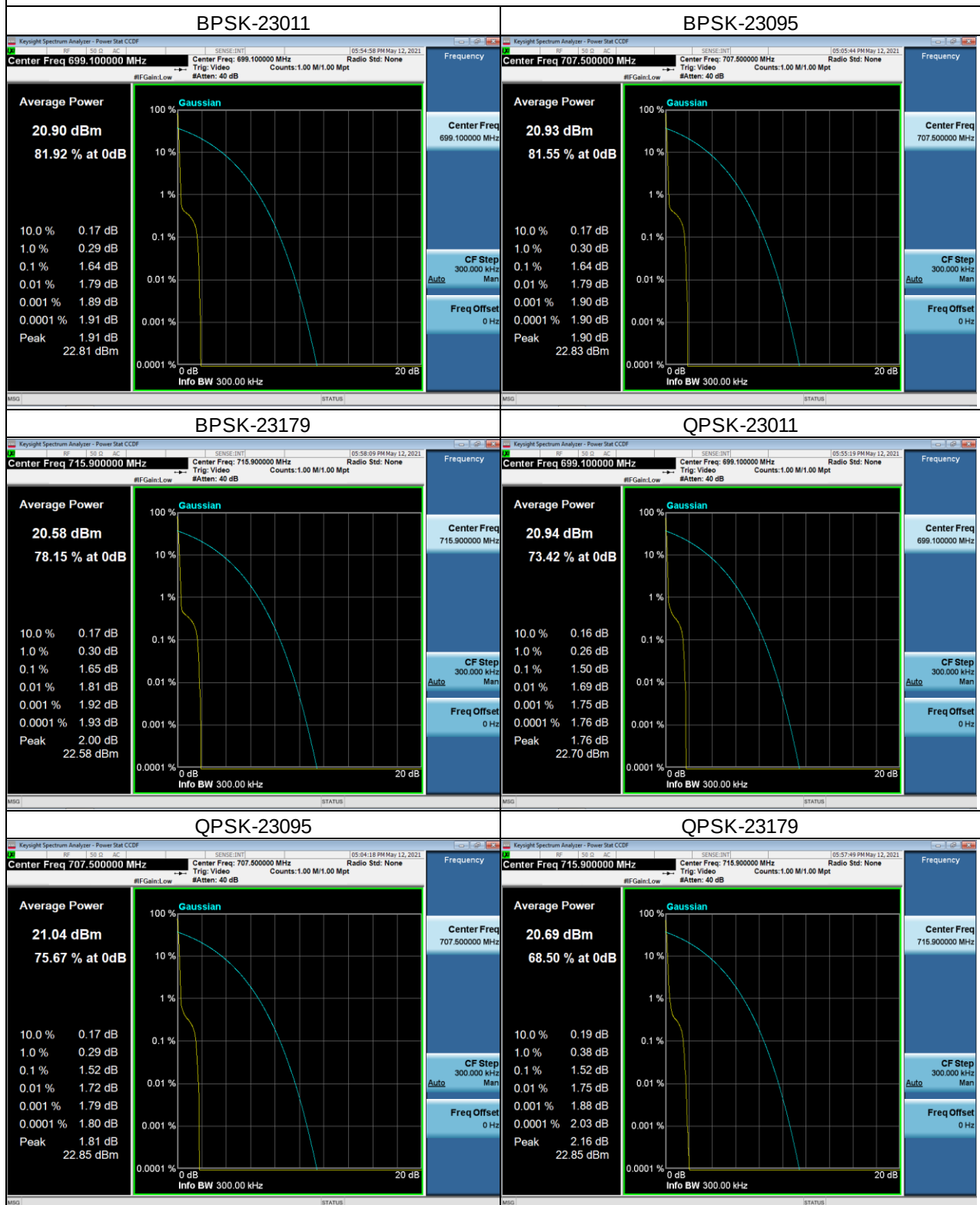
LTE Band 4_3.75KHz Spectrum Plot



LTE Band 4_15KMz Spectrum Plot



LTE Band 12_3.75KHz Spectrum Plot



LTE Band 12_15KHz Spectrum Plot



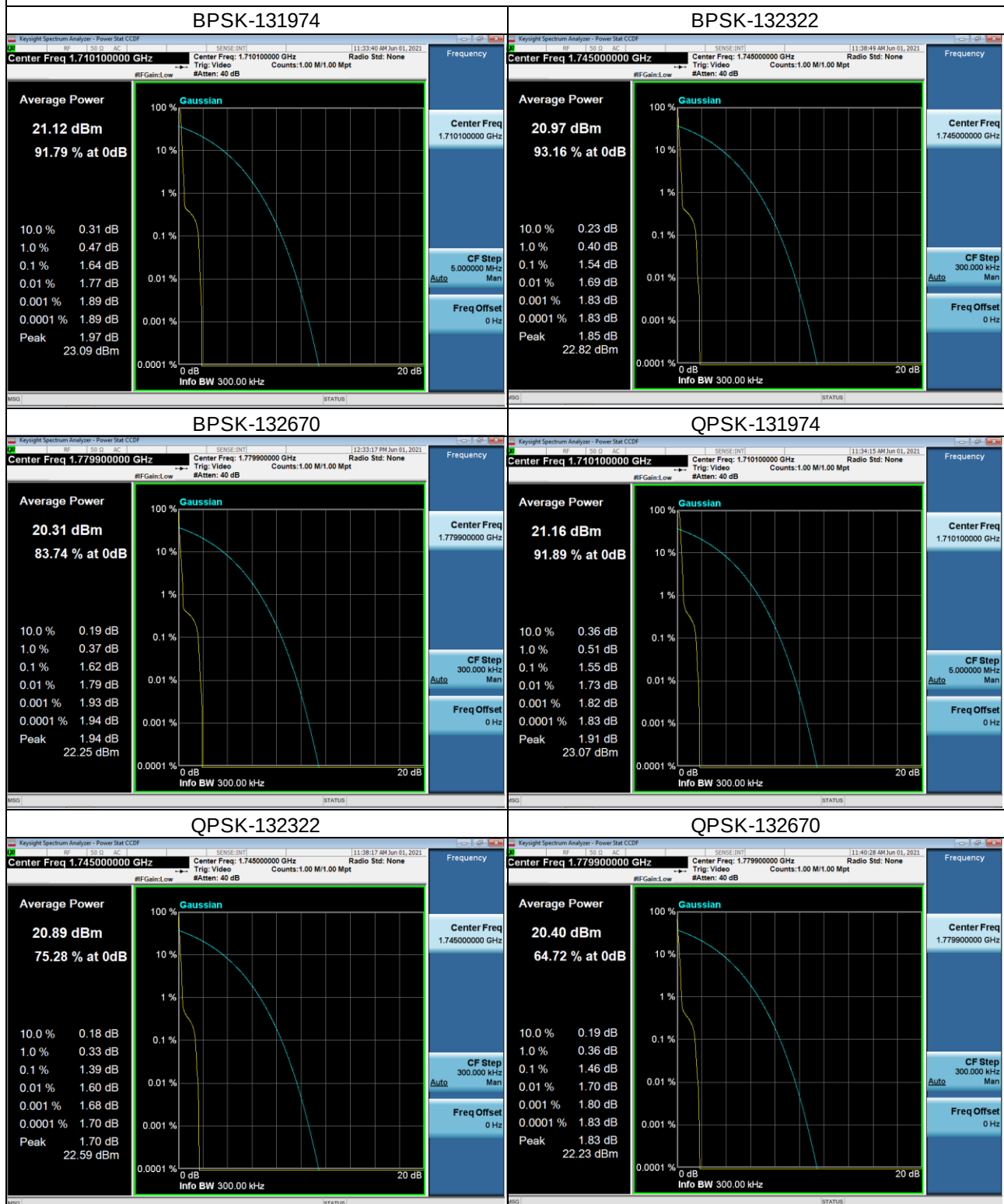
LTE Band 13_3.75KHz Spectrum Plot



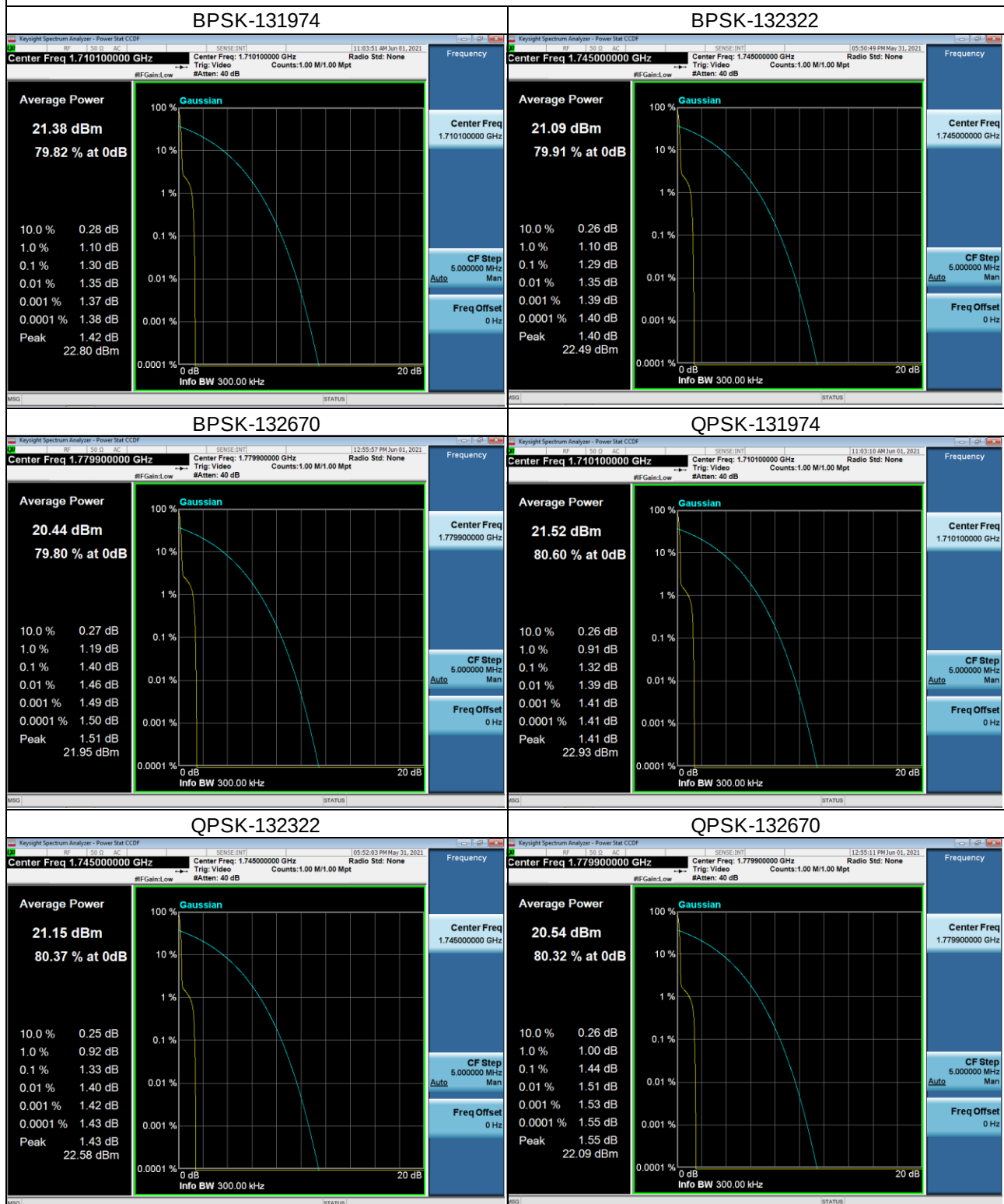
LTE Band 13_15KHz Spectrum Plot



LTE Band 66_3.75KMz Spectrum Plot



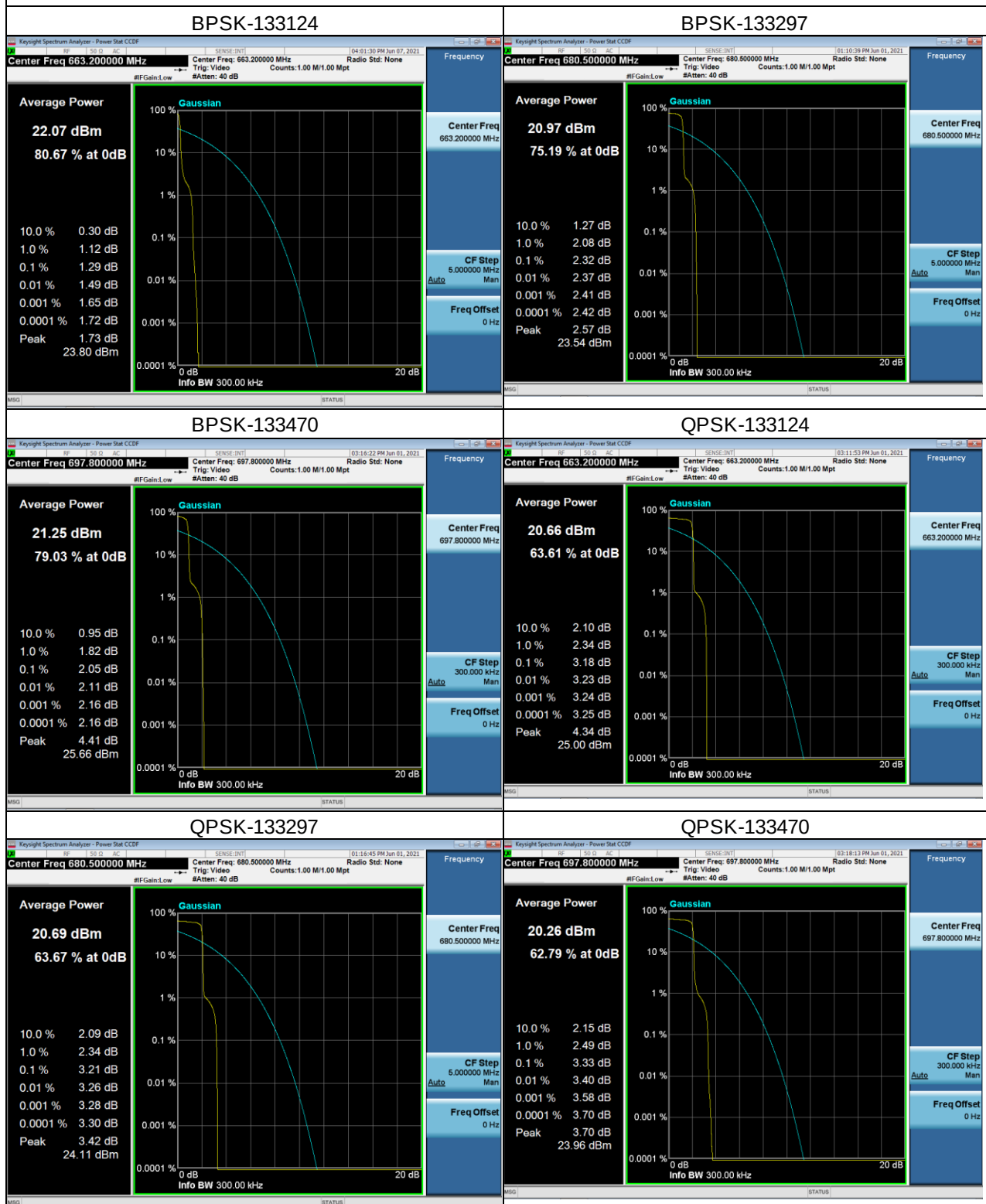
LTE Band 66_15KMz Spectrum Plot



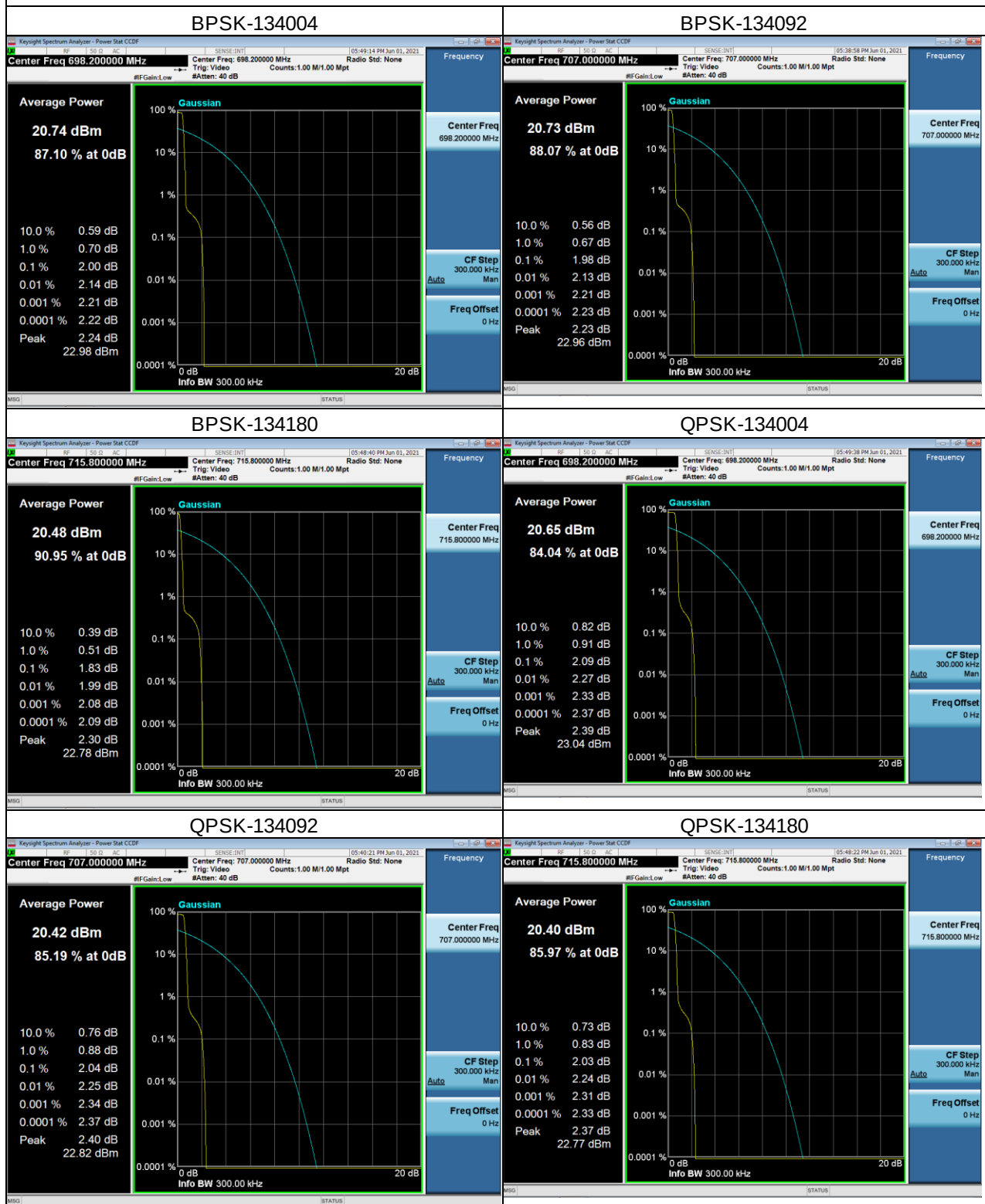
LTE Band 71_3.75KHz Spectrum Plot



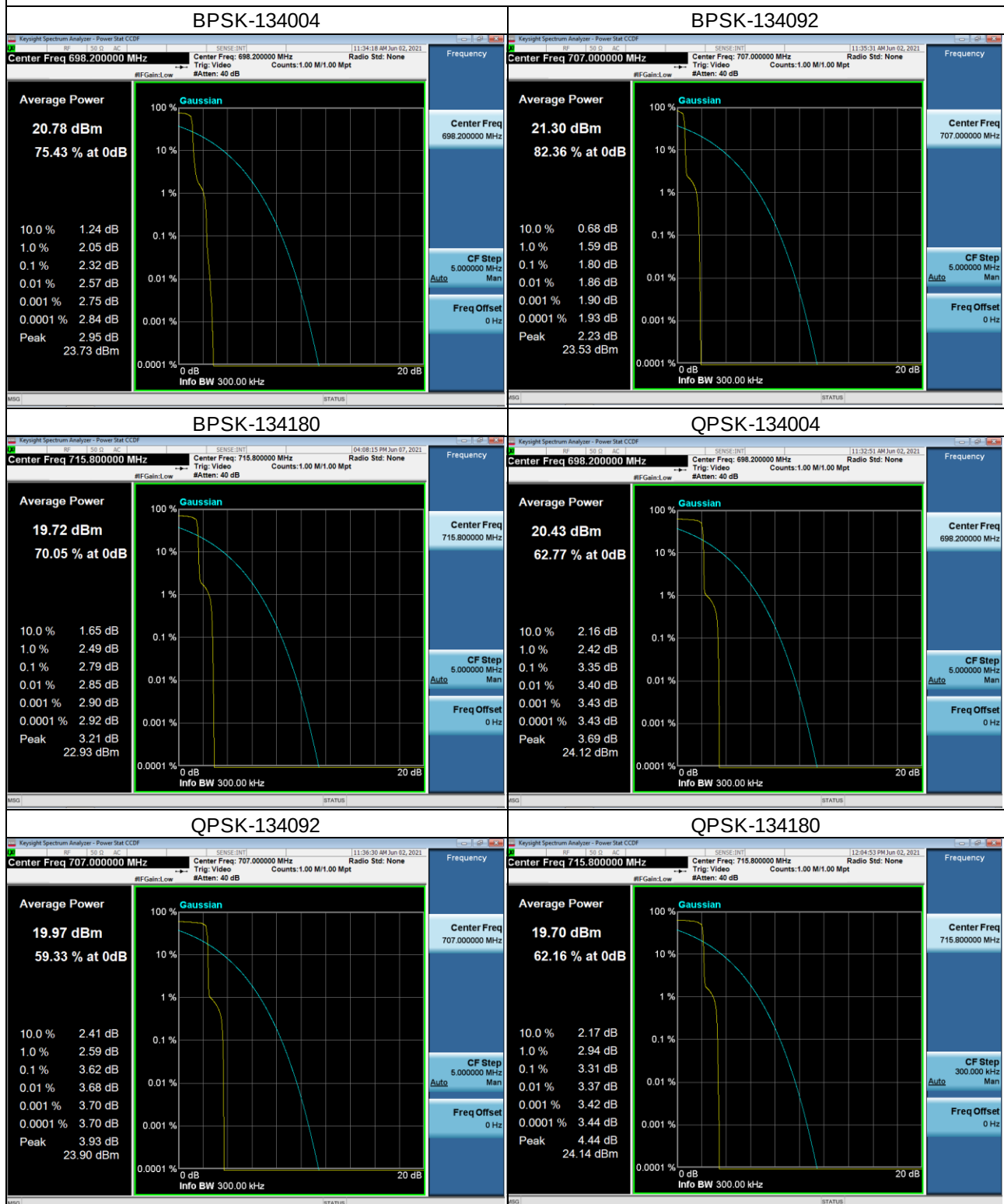
LTE Band 71_15KHz Spectrum Plot



LTE Band 85_3.75KHz Spectrum Plot



LTE Band 85_15KHz Spectrum Plot



APPENDIX I - FREQUENCY STABILITY

Test Mode	LTE Band 4_BPSK_CH20175_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-13.29	-0.007670996	± 2.5
-10	6.65	0.003838384	
0	7.66	0.004421356	
10	13.92	0.008034632	
20	5.36	0.003093795	
30	7.56	0.004363636	
40	-8.15	-0.004704185	
50	-10.45	-0.006031746	
60	-9.36	-0.005402597	
Max. Deviation (ppm)	13.92	0.008034632	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	2.55	0.001471861	± 2.5
3.7	14.61	0.0084329	
3.3	-7.43	-0.0042886	
Max. Deviation (ppm)	14.61	0.0084329	

Test Mode	LTE Band 4_BPSK_CH20175_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-8.24	-0.004756133	± 2.5
-10	-5.32	-0.003070707	
0	-0.51	-0.000294372	
10	13.86	0.008	
20	4.47	0.002580087	
30	-2.41	-0.001391053	
40	-11.00	-0.006349206	
50	-6.87	-0.003965368	
60	-6.37	-0.003676768	
Max. Deviation (ppm)	13.86	0.008	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	9.99	0.005766234	± 2.5
3.7	7.83	0.004519481	
3.3	6.01	0.003468975	
Max. Deviation (ppm)	9.99	0.005766234	

Test Mode	LTE Band 12_BPSK_CH23095_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	9.59	0.01355477	± 2.5
-10	3.32	0.00469258	
0	6.18	0.008734982	
10	7.85	0.011095406	
20	-7.48	0.010572438	
30	10.40	0.014699647	
40	13.39	0.018925795	
50	6.05	0.008551237	
60	-5.24	0.00740636	
Max. Deviation (ppm)	13.39	0.018925795	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	13.17	0.018614841	± 2.5
3.7	10.52	0.014869258	
3.3	-12.15	0.017173145	
Max. Deviation (ppm)	13.17	0.018614841	

Test Mode	LTE Band 12_BPSK_CH23095_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-10.47	-0.014798587	± 2.5
-10	-2.16	-0.003053004	
0	6.67	0.009427562	
10	-5.66	-0.008	
20	10.63	0.015024735	
30	-9.42	-0.013314488	
40	-12.68	-0.017922261	
50	8.10	0.011448763	
60	1.95	0.002756184	
Max. Deviation (ppm)	-12.68	-0.017922261	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-10.28	-0.014530035	± 2.5
3.7	14.11	0.019943463	
3.3	13.13	0.018558304	
Max. Deviation (ppm)	14.11	0.019943463	

Test Mode	LTE Band 13_BPSK_CH23230_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	7.25	0.0092711	± 2.5
-10	-7.44	0.009514066	
0	-12.56	0.016061381	
10	-2.98	0.003810742	
20	6.21	0.007941176	
30	-8.77	0.011214834	
40	3.90	0.004987212	
50	7.94	0.010153453	
60	-3.53	0.004514066	
Max. Deviation (ppm)	-12.56	0.016061381	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	10.29	0.013158568	± 2.5
3.7	13.67	0.017480818	
3.3	-12.43	0.015895141	
Max. Deviation (ppm)	13.67	0.017480818	

Test Mode	LTE Band 13_BPSK_CH23230_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	11.76	0.015038363	± 2.5
-10	13.17	0.016841432	
0	11.32	0.014475703	
10	8.75	0.011189258	
20	-4.70	-0.00601023	
30	-13.18	-0.01685422	
40	-2.43	-0.003107417	
50	-4.37	-0.005588235	
60	5.03	0.006432225	
Max. Deviation (ppm)	-13.18	-0.01685422	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-0.69	-0.000882353	± 2.5
3.7	13.08	0.016726343	
3.3	-13.01	-0.016636829	
Max. Deviation (ppm)	13.08	0.016726343	

Test Mode	LTE Band 66_BPSK_CH132322_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.94	-0.001684814	± 2.5
-10	-0.27	-0.000154728	
0	7.92	0.004538682	
10	1.85	0.001060172	
20	-6.07	-0.00347851	
30	11.29	0.006469914	
40	-2.03	-0.001163324	
50	1.29	0.000739255	
60	2.57	0.001472779	
Max. Deviation (ppm)	11.29	0.006469914	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-9.68	-0.005547278	± 2.5
3.7	11.13	0.006378223	
3.3	-9.30	-0.005329513	
Max. Deviation (ppm)	11.13	0.006378223	

Test Mode	LTE Band 66_BPSK_CH132322_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.19	-0.002974212	± 2.5
-10	4.13	0.002366762	
0	-8.15	-0.004670487	
10	6.37	0.00365043	
20	-0.86	-0.000492837	
30	10.62	0.00608596	
40	-10.33	-0.005919771	
50	-1.21	-0.00069341	
60	7.83	0.004487106	
Max. Deviation (ppm)	10.62	0.00608596	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	2.31	0.001323782	± 2.5
3.7	-12.15	-0.006962751	
3.3	4.17	0.002389685	
Max. Deviation (ppm)	-12.15	-0.006962751	

Test Mode	LTE Band 71_BPSK_CH23095_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	6.09	0.008949302	± 2.5
-10	8.59	0.012623071	
0	5.38	0.007905952	
10	-4.07	-0.005980896	
20	4.57	0.00671565	
30	9.86	0.014489346	
40	8.82	0.012961058	
50	-5.21	-0.007656135	
60	-10.91	-0.016032329	
Max. Deviation (ppm)	-10.91	-0.016032329	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	2.93	0.004305658	± 2.5
3.7	10.99	0.01614989	
3.3	5.97	0.008772961	
Max. Deviation (ppm)	10.99	0.01614989	

Test Mode	LTE Band 71_BPSK_CH23095_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	7.76	0.01140338	± 2.5
-10	7.15	0.01050698	
0	11.48	0.016869949	
10	8.86	0.013019838	
20	-2.65	-0.003894195	
30	11.41	0.016767083	
40	-9.14	-0.013431301	
50	10.29	0.015121234	
60	-11.02	-0.016193975	
Max. Deviation (ppm)	11.48	0.016869949	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	10.78	0.015841293	± 2.5
3.7	-6.11	-0.008978692	
3.3	-2.45	-0.003600294	
Max. Deviation (ppm)	10.78	0.015841293	

Test Mode	LTE Band 85_BPSK_CH23230_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	9.65	0.013649222	± 2.5
-10	6.03	0.008528996	
0	-4.31	-0.006096181	
10	11.03	0.015601132	
20	10.80	0.015275813	
30	8.54	0.012079208	
40	6.63	0.009377652	
50	11.71	0.016562942	
60	3.78	0.005346535	
Max. Deviation (ppm)	11.71	0.016562942	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	4.36	0.006166902	± 2.5
3.7	-4.22	-0.005968883	
3.3	2.18	0.003083451	
Max. Deviation (ppm)	4.36	0.006166902	