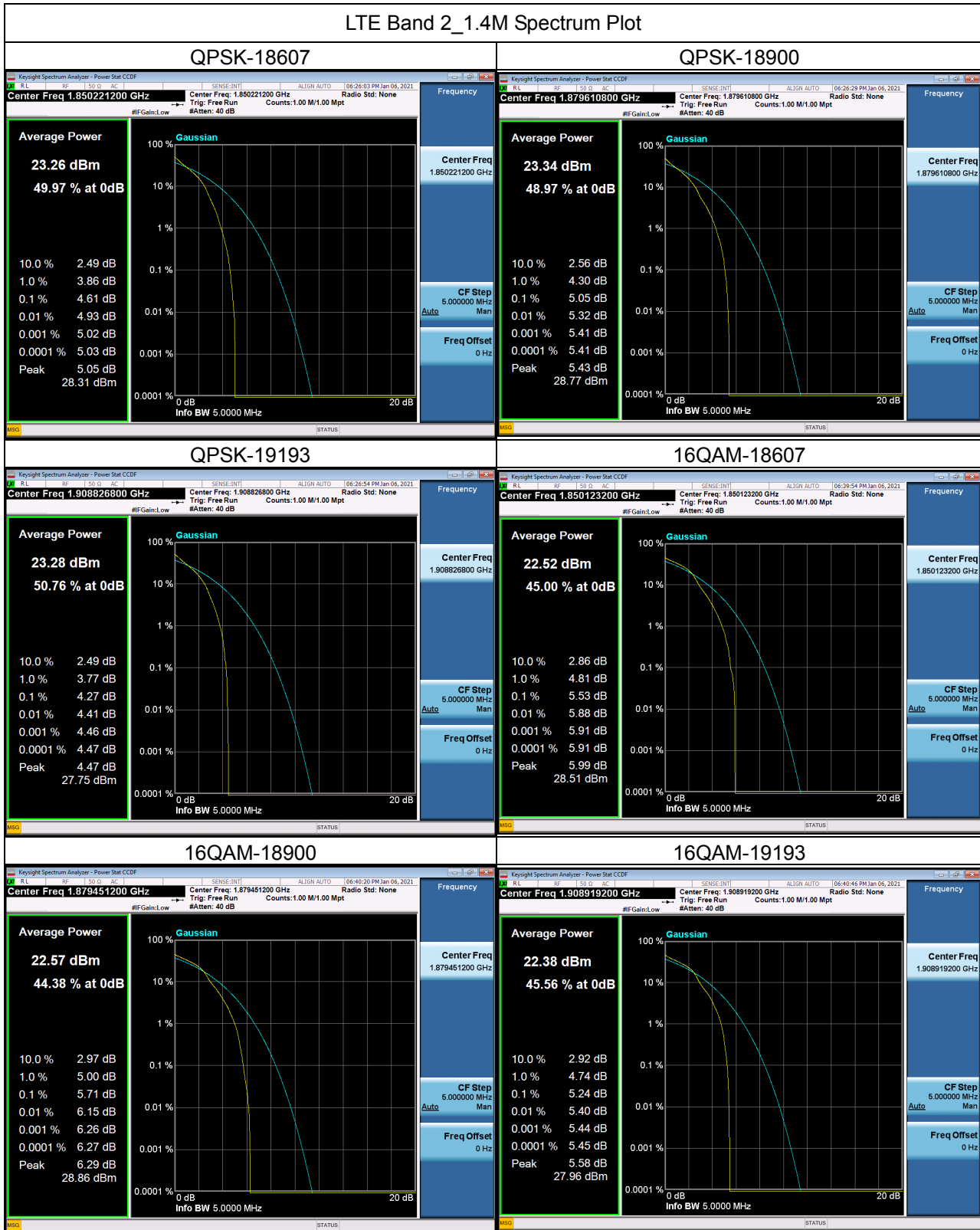
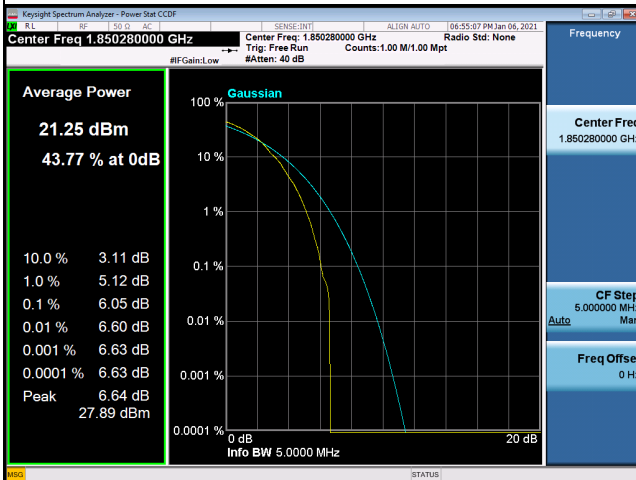


LTE Band 2_1.4M Spectrum Plot

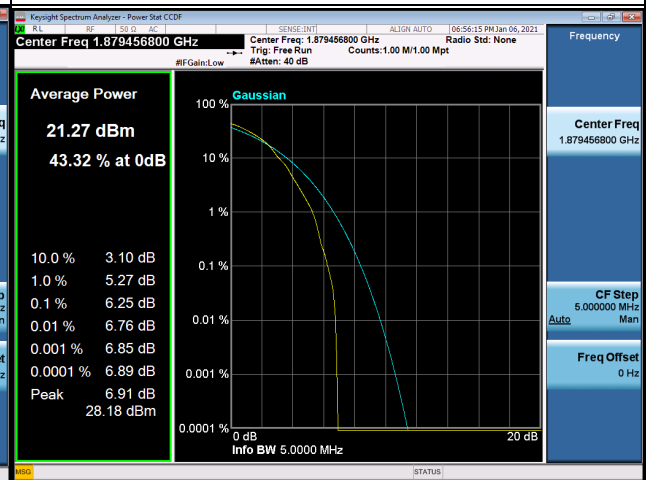


LTE Band 2_1.4M Spectrum Plot

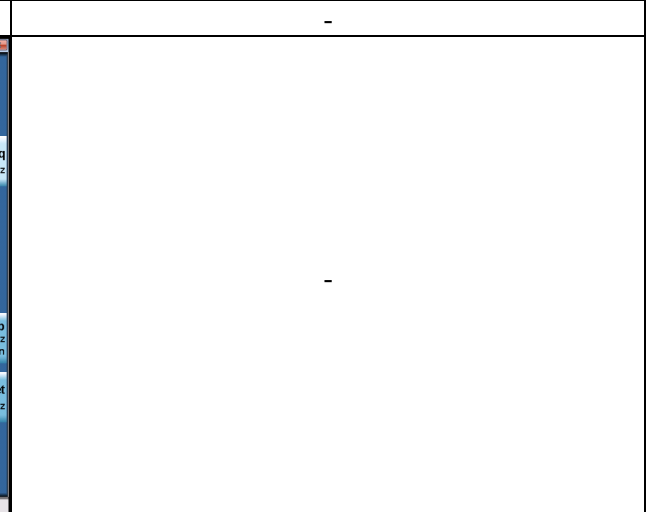
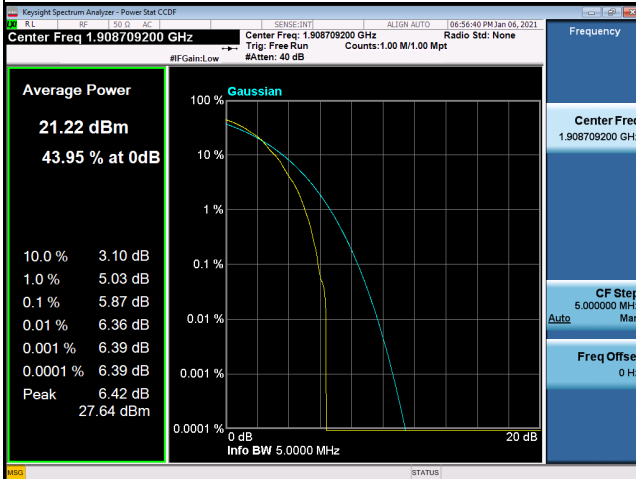
64QAM-18615



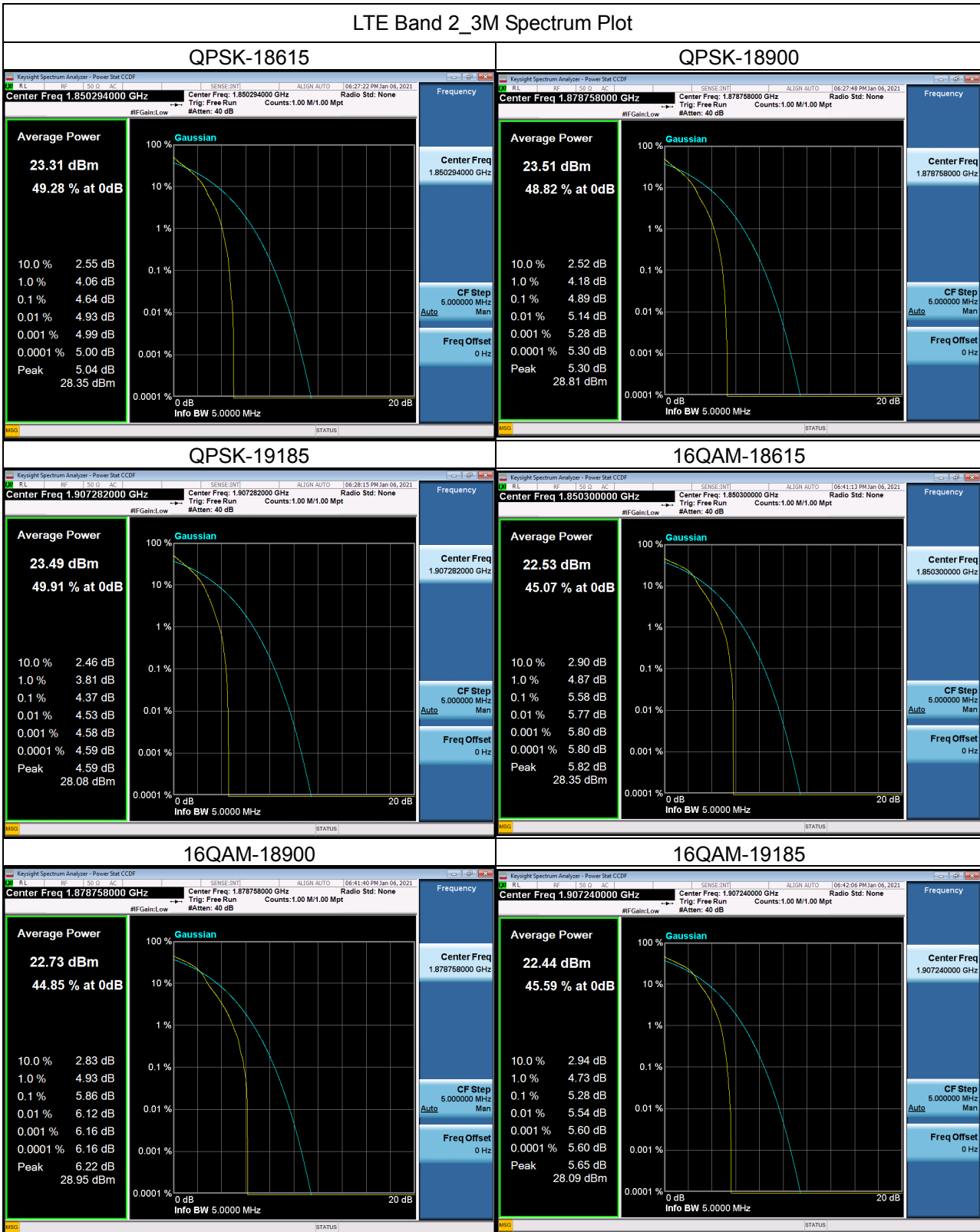
64QAM-18900



64QAM-19185

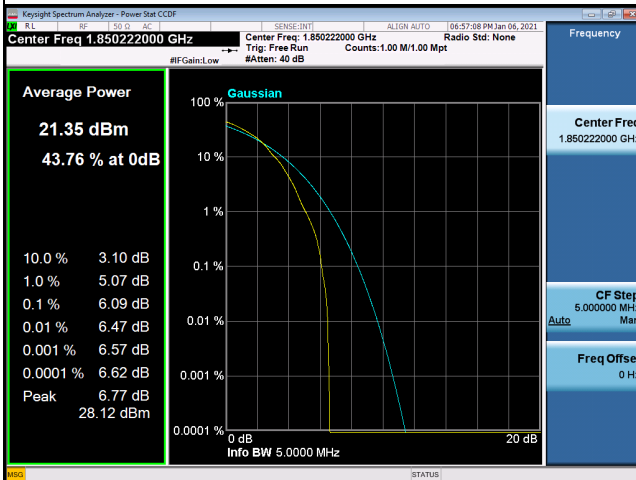


LTE Band 2_3M Spectrum Plot

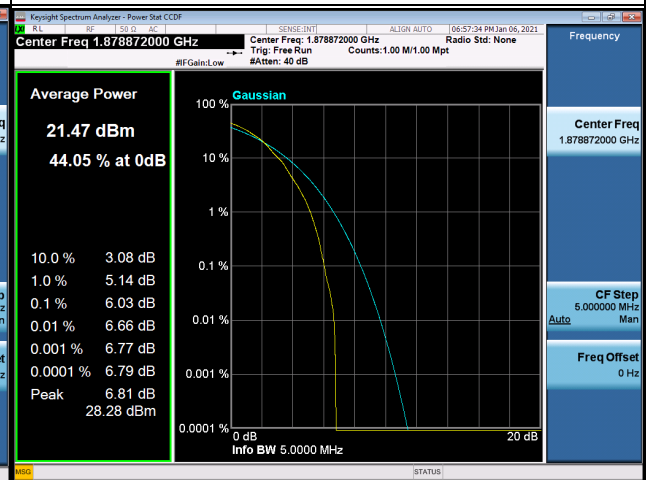


LTE Band 2_3M Spectrum Plot

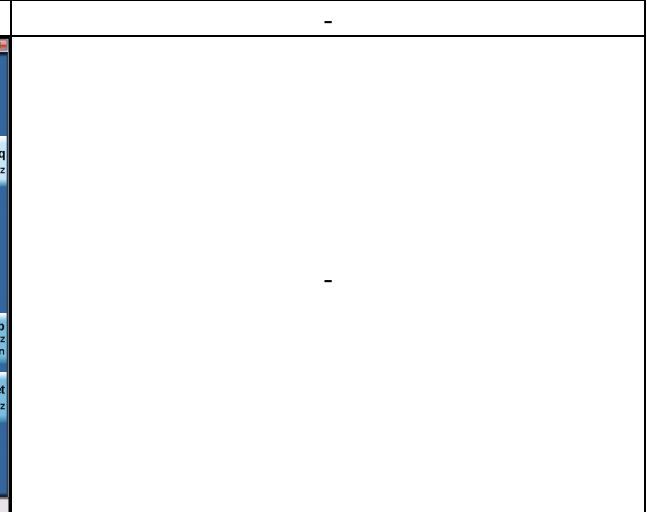
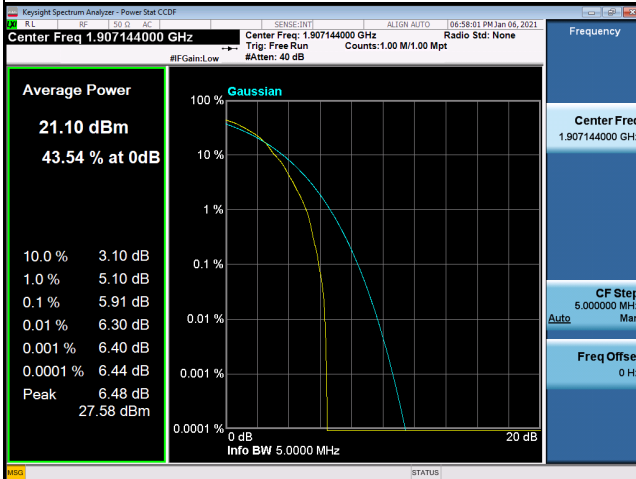
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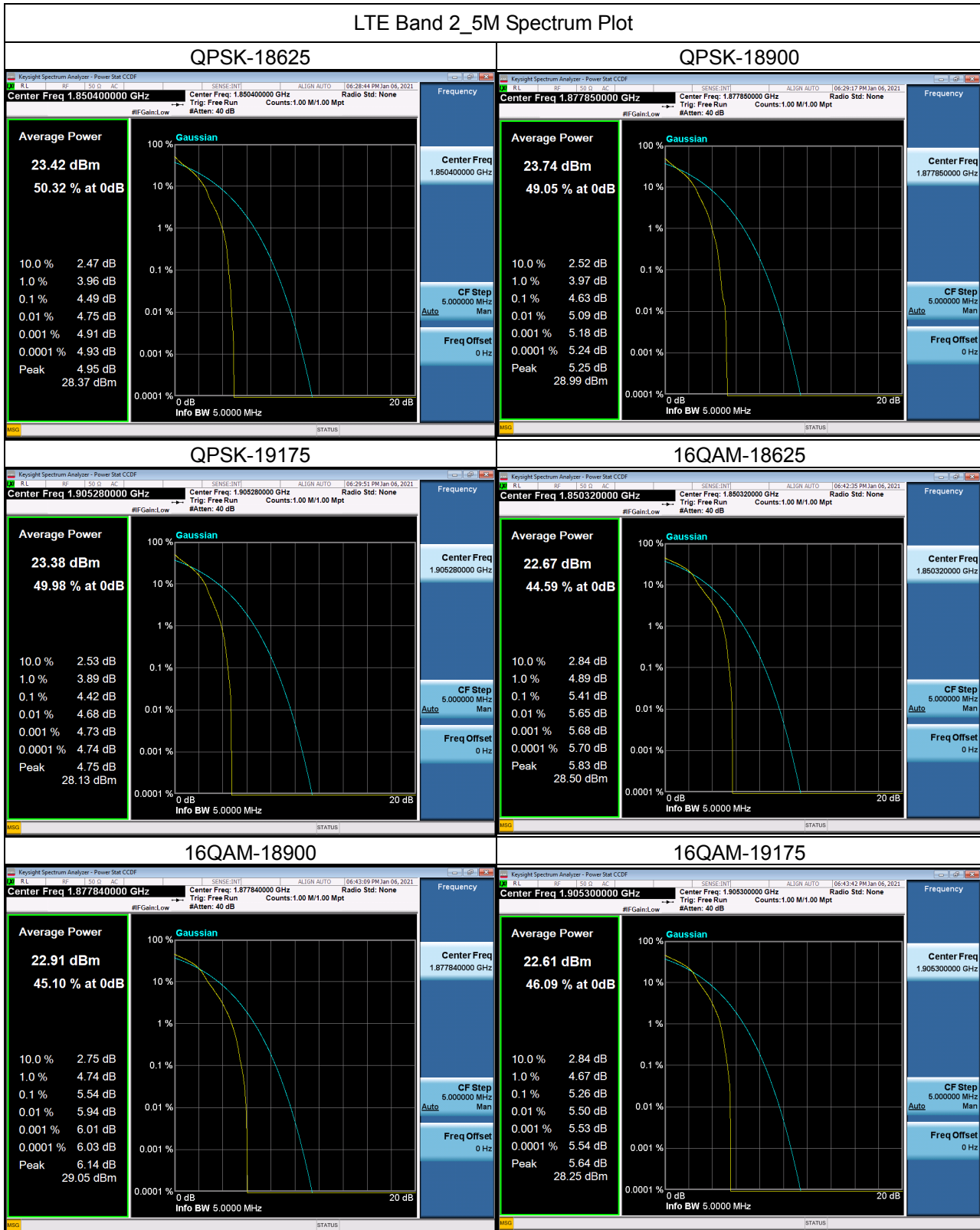
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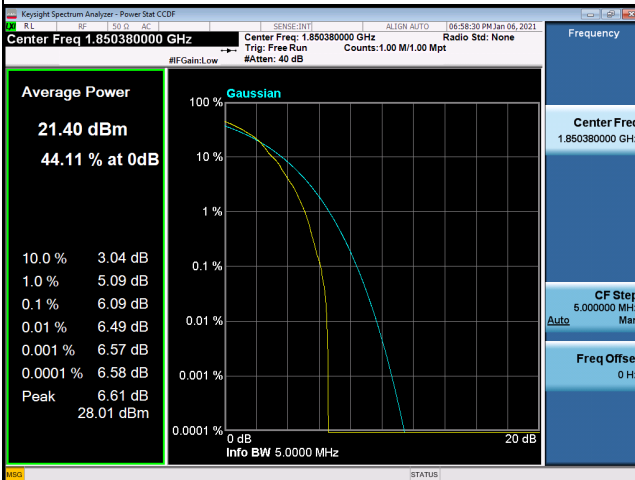


LTE Band 2_5M Spectrum Plot

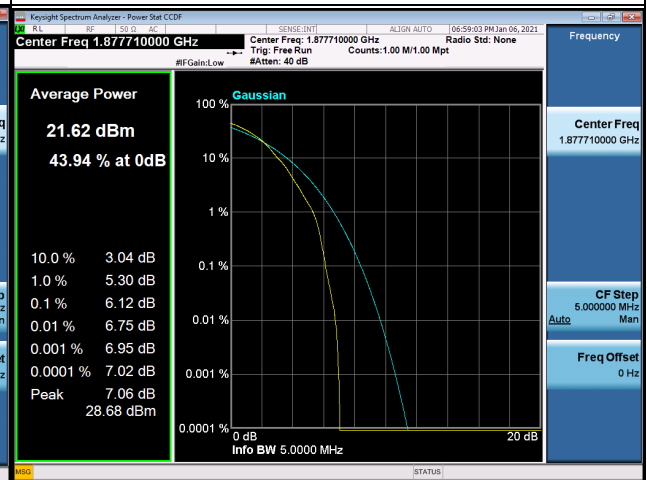


LTE Band 2_5M Spectrum Plot

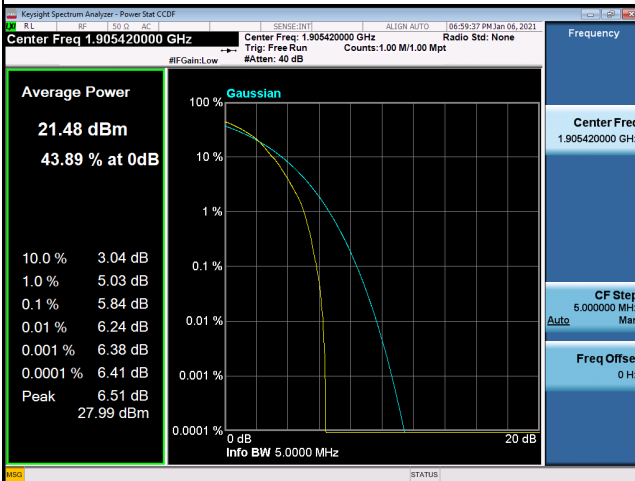
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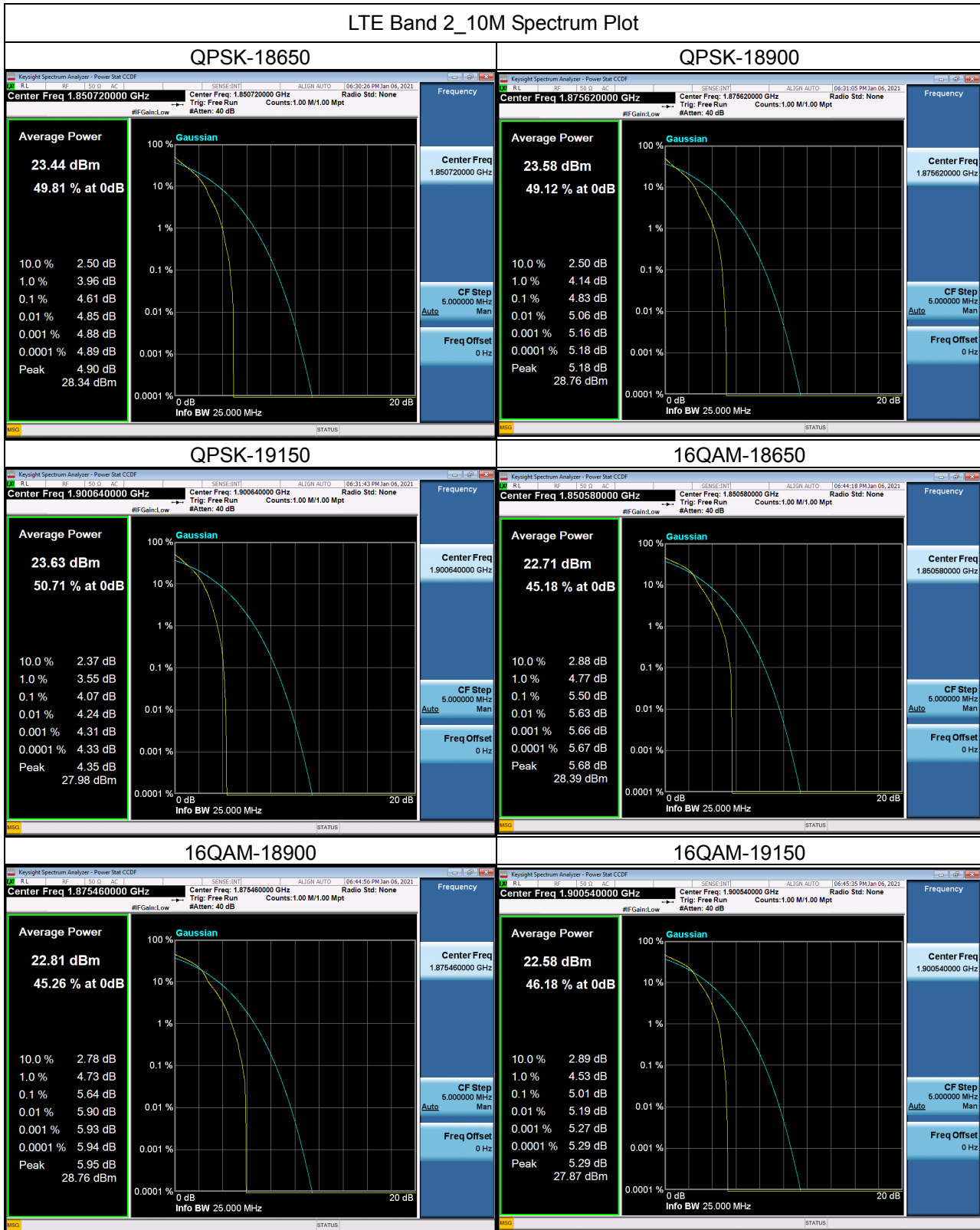
64QAM-18900



64QAM-19175

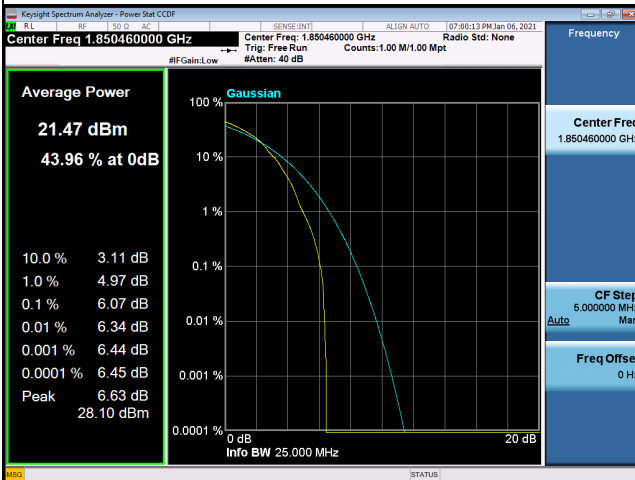


LTE Band 2_10M Spectrum Plot

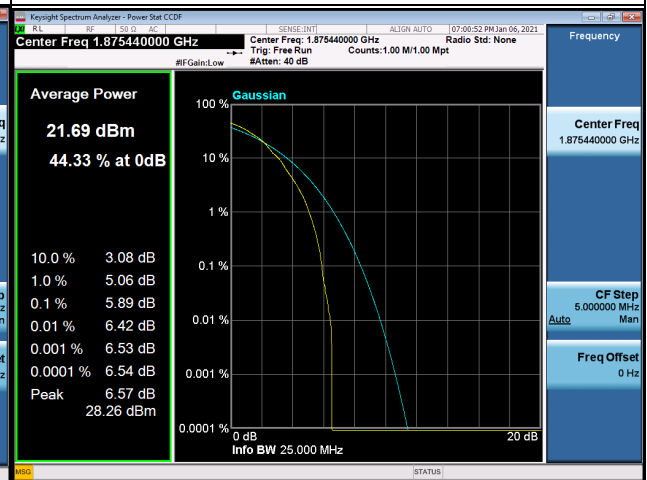


LTE Band 2_10M Spectrum Plot

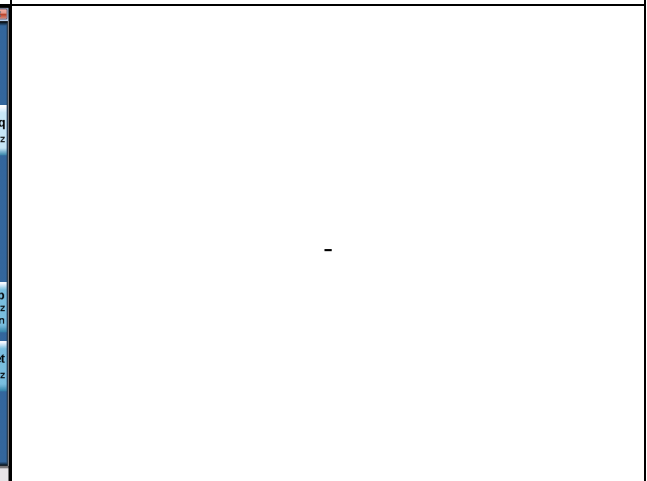
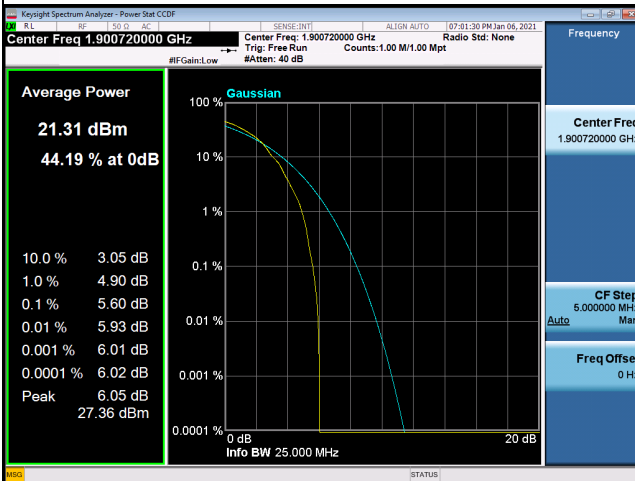
64QAM-18650



64QAM-18900



64QAM-19150

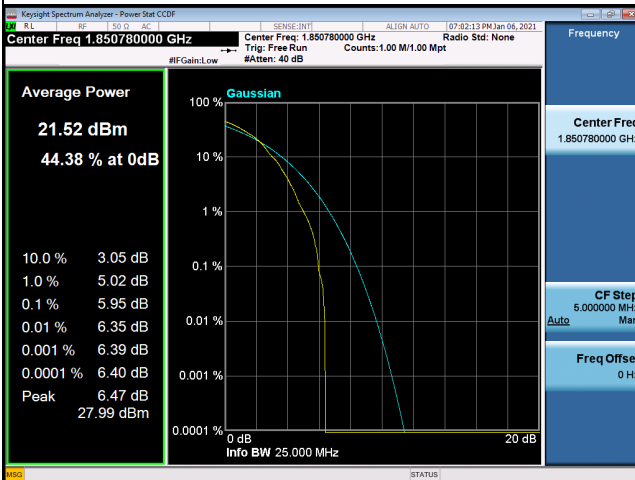


LTE Band 2_15M Spectrum Plot

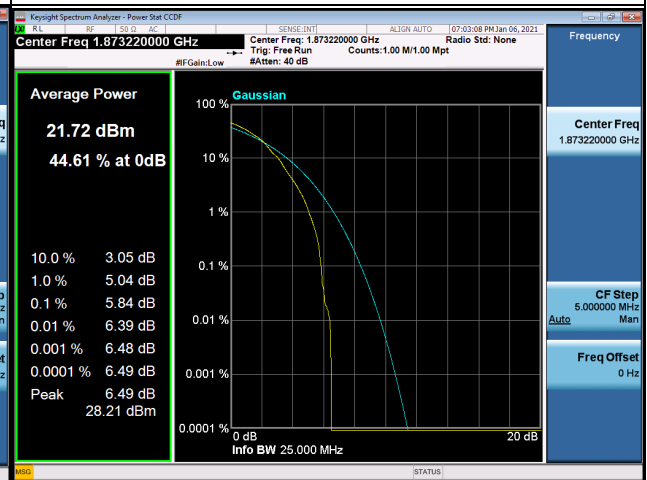


LTE Band 2_15M Spectrum Plot

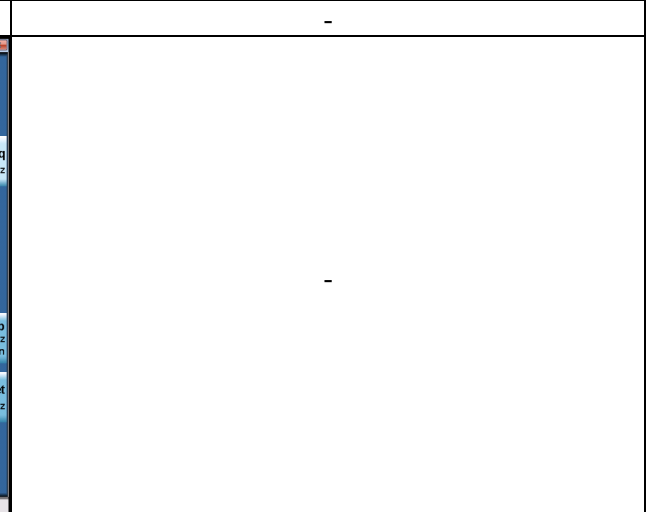
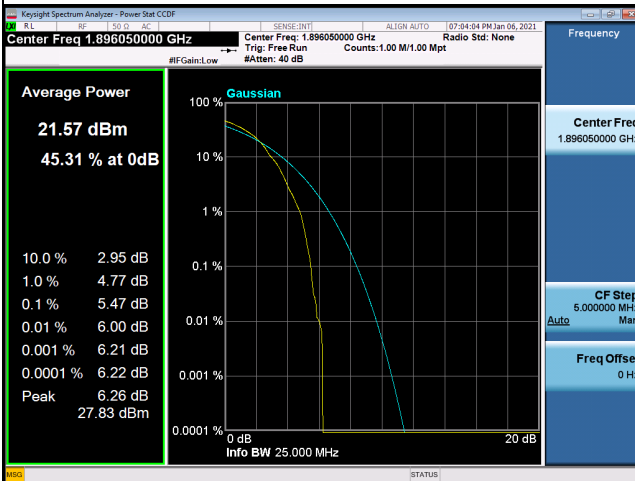
64QAM-18675



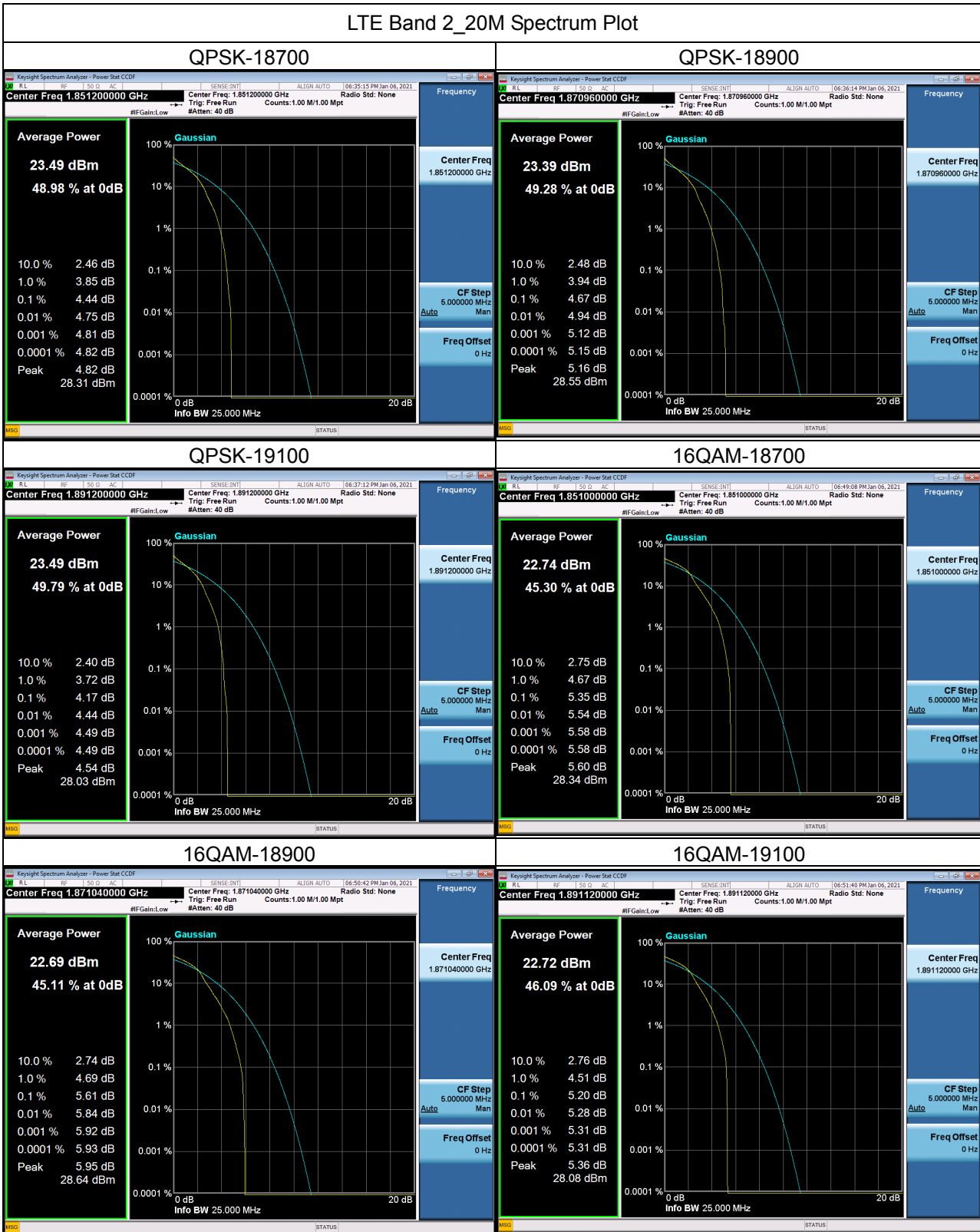
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64QAM-19125

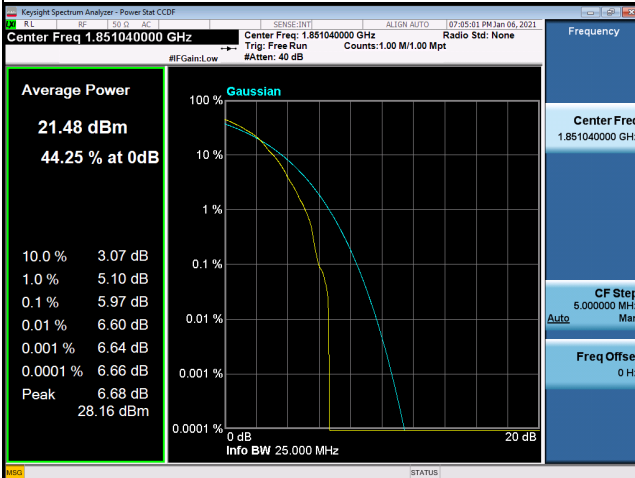


LTE Band 2_20M Spectrum Plot

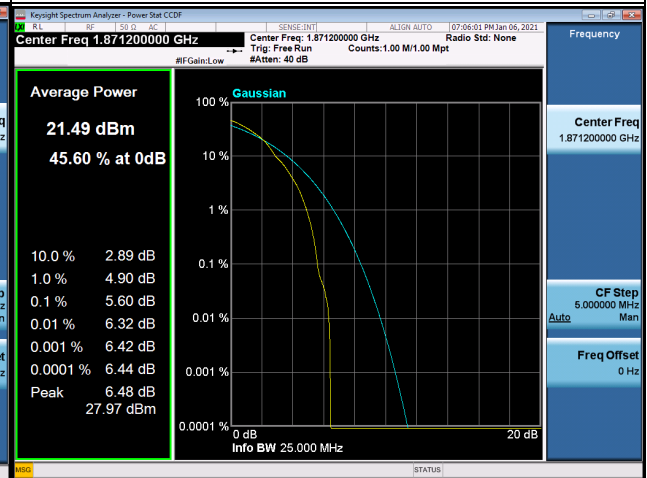


LTE Band 2_20M Spectrum Plot

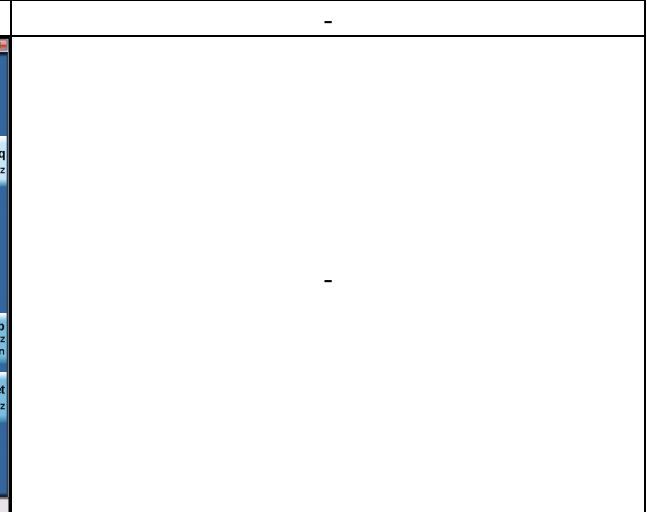
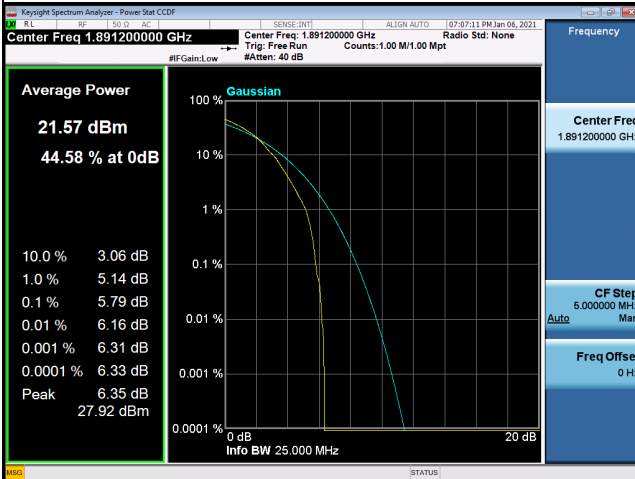
64QAM-18700



64QAM-18900



64QAM-19100



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)
-30	9.19	0.004888298	±2.5
-20	0.45	0.000239362	
-10	3.21	0.001707447	
0	3.15	0.001675532	
10	5.21	0.002771277	
20	6.57	0.003494681	
30	3.54	0.001882979	
40	4.46	0.00237234	
50	0.66	0.000351064	
Max. Deviation (ppm)	9.19	0.004888298	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	4.25	0.002260638	±2.5
3.87	3.66	0.001946809	
3.4	3.54	0.001882979	
Max. Deviation (ppm)	4.25	0.002260638	

Test Mode	WCDMA Band II_CH9400
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	1.33	0.000707447	±2.5
-20	2.57	0.001367021	
-10	4.98	0.002648936	
0	6.13	0.003260638	
10	4.66	0.002476596	
20	3.65	0.001941489	
30	3.26	0.001734043	
40	2.99	0.001590426	
50	9.72	0.005170213	
Max. Deviation (ppm)	9.72	0.005170213	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	2.25	0.001196809	±2.5
3.87	3.24	0.001723404	
3.4	4.26	0.002265957	
Max. Deviation (ppm)	4.26	0.002265957	

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)
-30	3.48	0.001851064	±2.5
-20	-0.94	-0.0005	
-10	2.79	0.001484043	
0	3.36	0.001787234	
10	-1.86	-0.000989362	
20	3.99	0.00212234	
30	1.68	0.000893617	
40	0.62	0.000329787	
50	2.94	0.00156383	
Max. Deviation (ppm)	3.99	0.00212234	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	4.35	0.00231383	±2.5
3.87	3.24	0.001723404	
3.4	5.71	0.003037234	
Max. Deviation (ppm)	5.71	0.003037234	

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)
-30	-6.33	-0.003367021	±2.5
-20	-1.54	-0.000819149	
-10	2.54	0.001351064	
0	-5.46	-0.002904255	
10	4.65	0.002473404	
20	-0.57	-0.000303191	
30	-9.74	-0.005180851	
40	7.11	0.003781915	
50	-4.98	-0.002648936	
Max. Deviation (ppm)	-9.74	-0.005180851	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	3.79	0.002015957	±2.5
3.87	-6.15	-0.003271277	
3.4	-2.22	-0.001180851	
Max. Deviation (ppm)	-6.15	-0.003271277	

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)
-30	1.94	0.001031915	±2.5
-20	-6.13	-0.003260638	
-10	-8.47	-0.004505319	
0	6.14	0.003265957	
10	1.43	0.000760638	
20	0.50	0.000265957	
30	6.64	0.003531915	
40	2.97	0.001579787	
50	-4.25	-0.002260638	
Max. Deviation (ppm)	-8.47	-0.004505319	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	-3.75	-0.001994681	±2.5
3.87	-1.37	-0.000728723	
3.4	3.11	0.001654255	
Max. Deviation (ppm)	-3.75	-0.001994681	

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)
-30	6.47	0.003441489	±2.5
-20	8.15	0.004335106	
-10	-6.71	-0.003569149	
0	9.96	0.005297872	
10	1.17	0.00062234	
20	1.74	0.000925532	
30	6.63	0.003526596	
40	-8.21	-0.004367021	
50	-8.96	-0.004765957	
Max. Deviation (ppm)	9.96	0.005297872	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	-5.92	-0.003148936	±2.5
3.87	3.67	0.001952128	
3.4	-1.61	-0.000856383	
Max. Deviation (ppm)	-5.92	-0.003148936	

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)
-30	-0.90	-0.000478723	±2.5
-20	-0.77	-0.000409574	
-10	-5.30	-0.002819149	
0	8.53	0.004537234	
10	8.59	0.004569149	
20	2.55	0.001356383	
30	-4.29	-0.002281915	
40	-5.46	-0.002904255	
50	-3.40	-0.001808511	
Max. Deviation (ppm)	8.59	0.004569149	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	-4.42	-0.002351064	±2.5
3.87	2.81	0.001494681	
3.4	6.72	0.003574468	
Max. Deviation (ppm)	6.72	0.003574468	

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)
-30	-4.30	-0.002287234	±2.5
-20	-1.92	-0.001021277	
-10	9.08	0.004829787	
0	-8.37	-0.004452128	
10	7.28	0.00387234	
20	1.74	0.000925532	
30	-2.26	-0.001202128	
40	-5.85	-0.003111702	
50	7.55	0.004015957	
Max. Deviation (ppm)	9.08	0.004829787	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	-4.92	-0.002617021	±2.5
3.87	2.51	0.001335106	
3.4	-2.99	-0.001590426	
Max. Deviation (ppm)	-4.92	-0.002617021	

End of Test Report