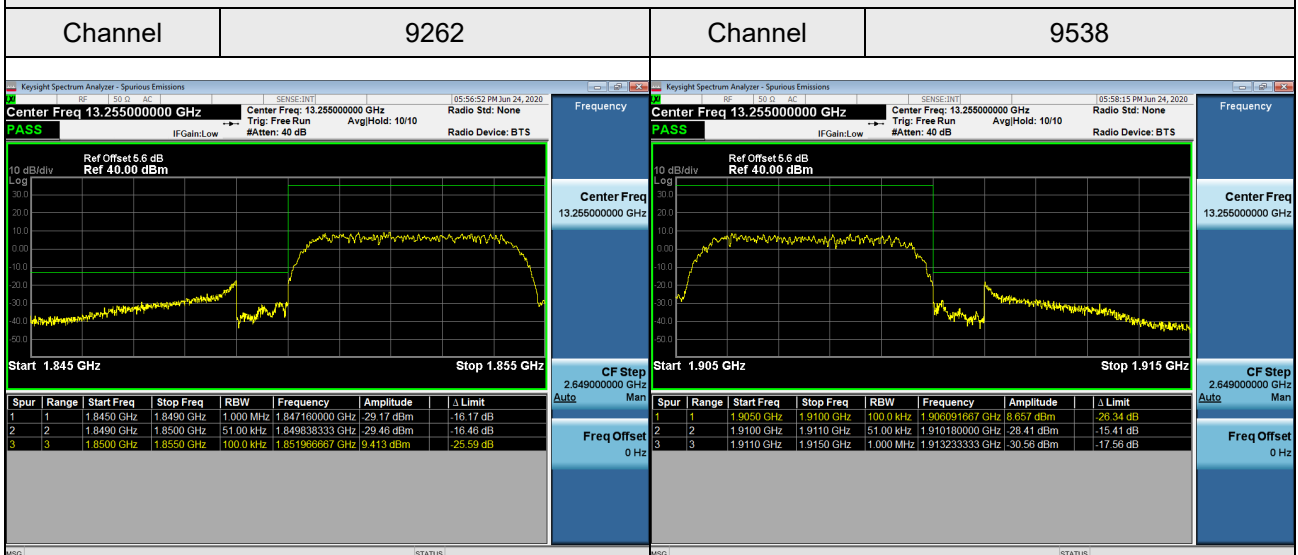
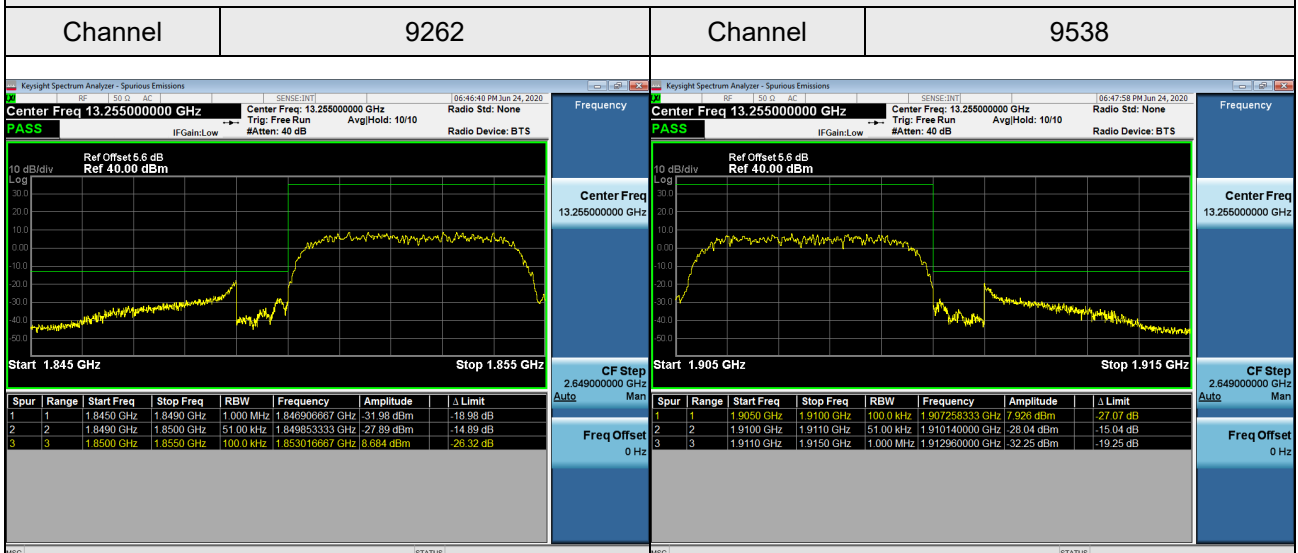


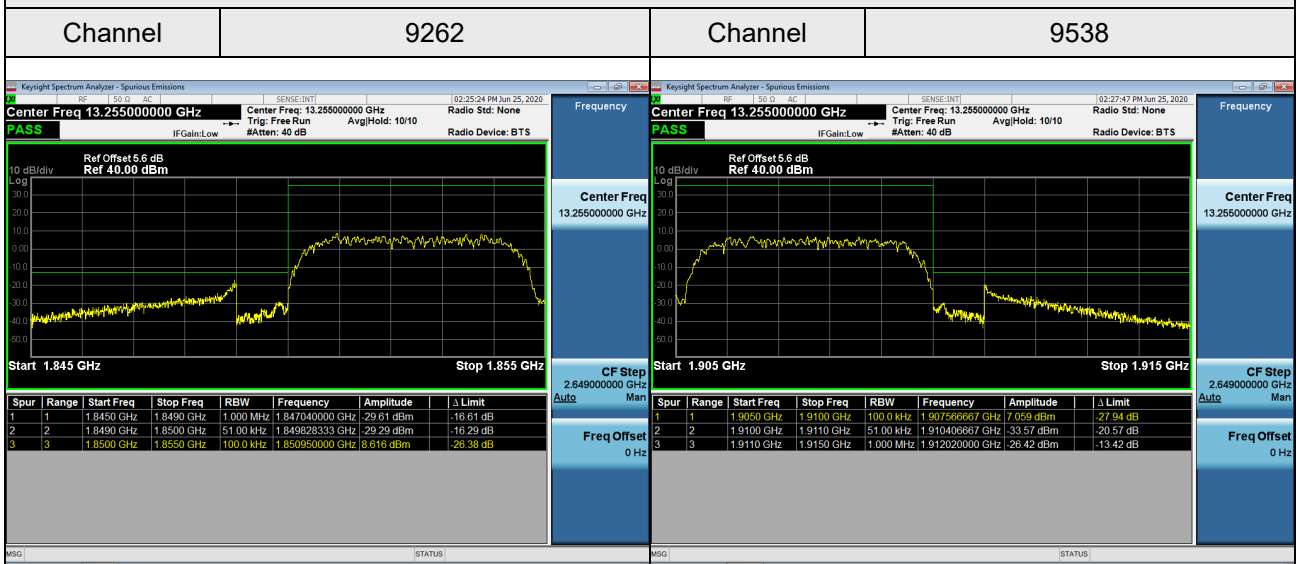
WCDMA Band II_WCDMA Spectrum Plot



WCDMA Band II_HSDPA Spectrum Plot



WCDMA Band II_HSUPA Spectrum Plot



LTE Band 2_1.4M Spectrum Plot

1RB#0

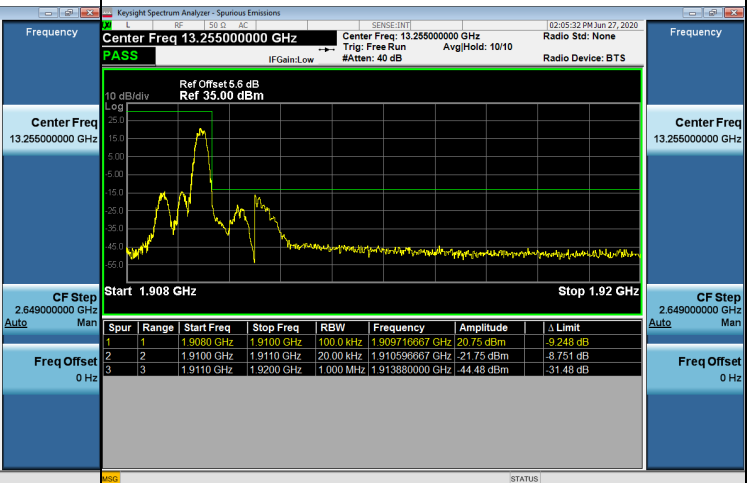
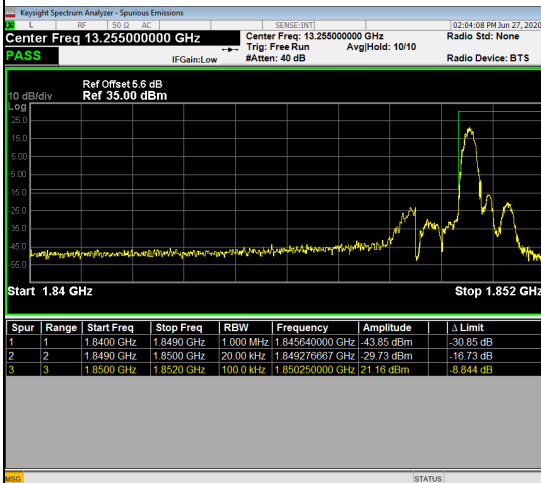
1RB#5

Channel

18607

Channel

19193



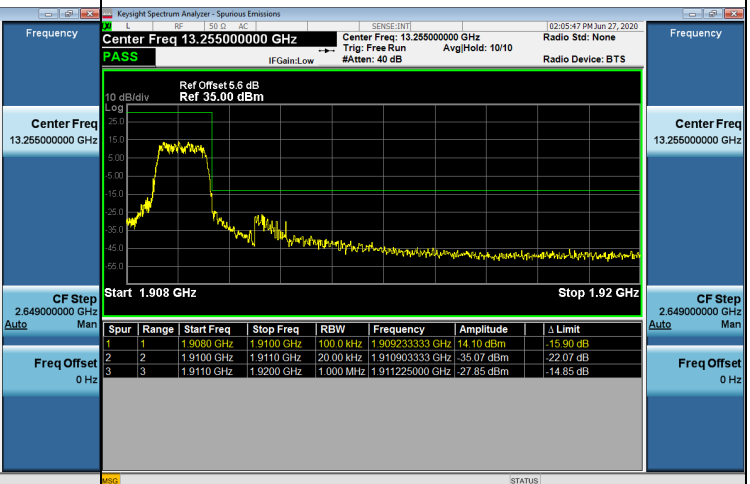
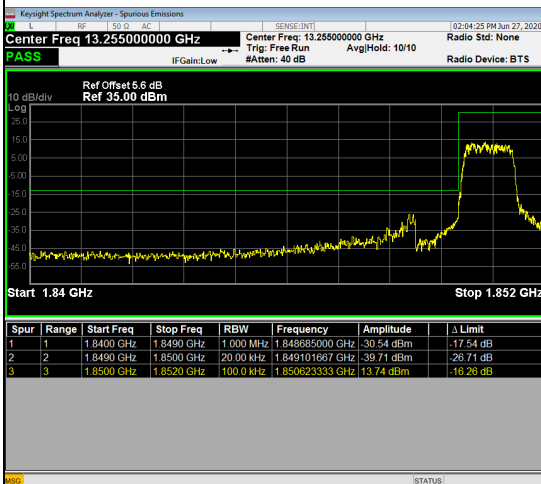
6RB#0

Channel

18607

Channel

19193



LTE Band 2_3M Spectrum Plot

1RB#0

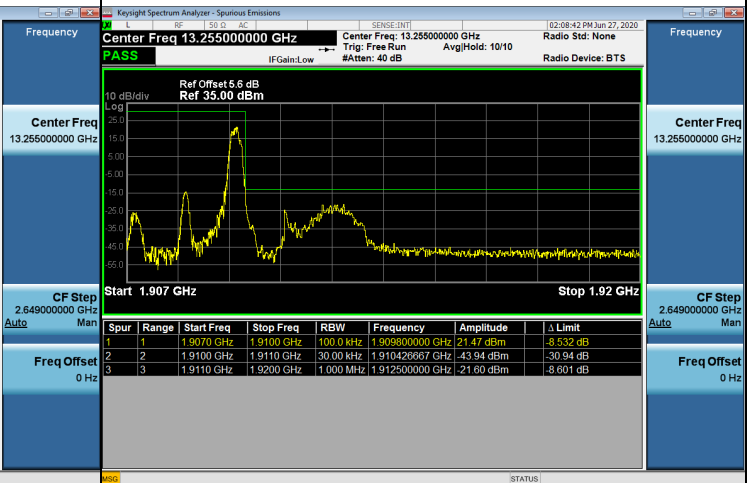
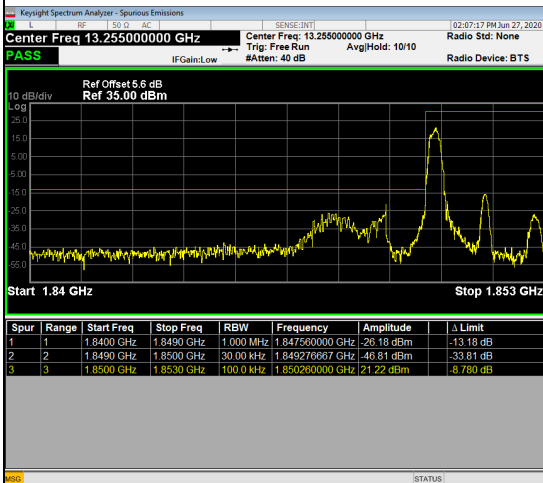
1RB#14

Channel

18615

Channel

19185



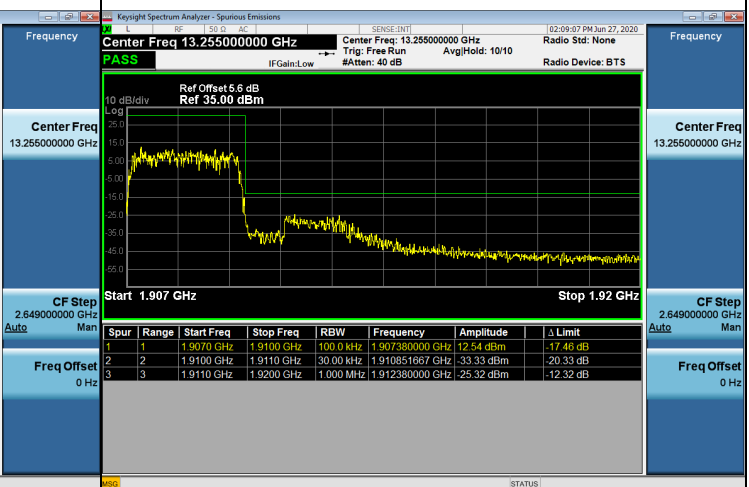
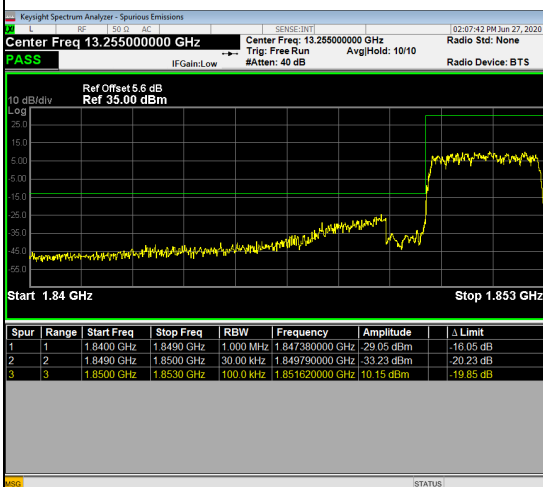
15RB#0

Channel

18615

Channel

19185



LTE Band 2_5M Spectrum Plot

1RB#0

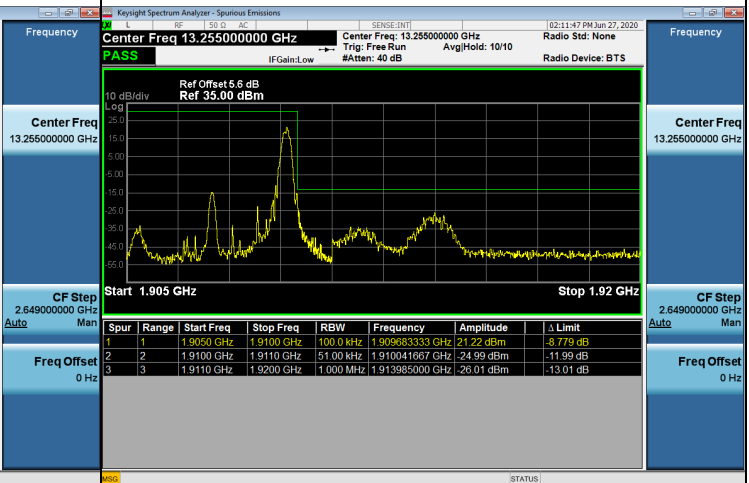
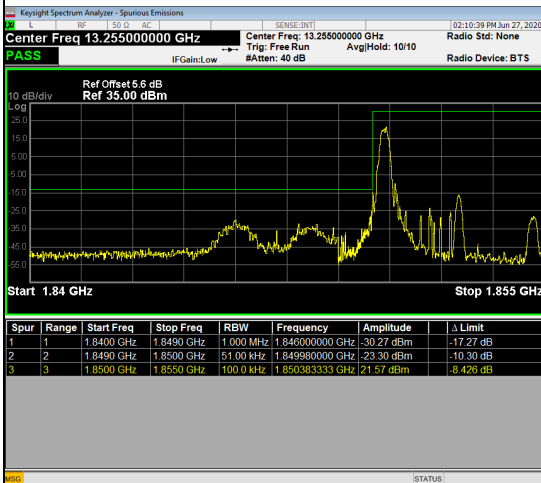
1RB#24

Channel

18625

Channel

19175



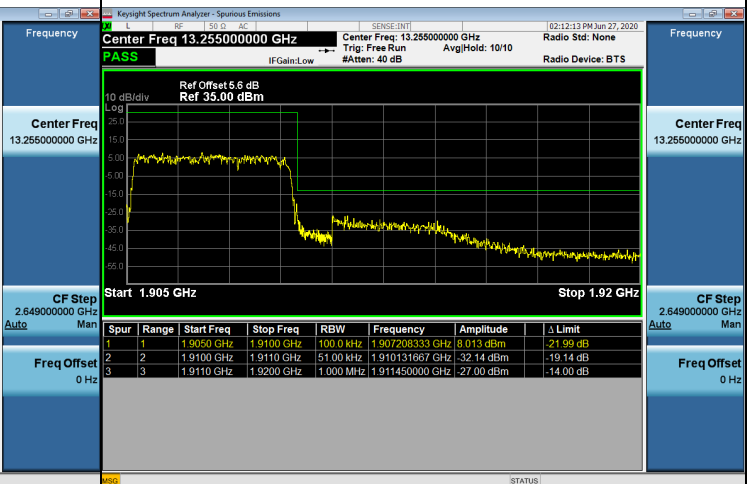
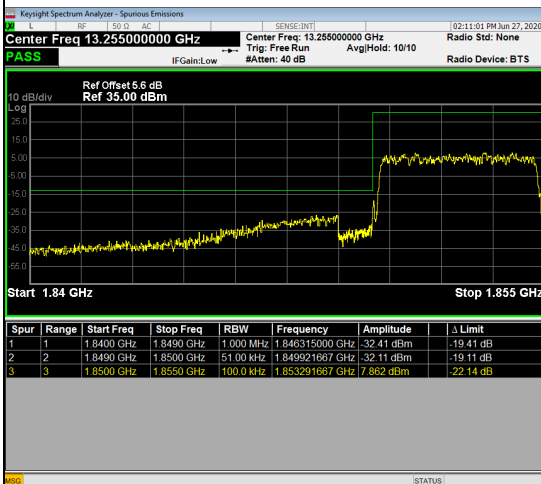
25RB#0

Channel

18625

Channel

19175



LTE Band 2_10M Spectrum Plot

1RB#0

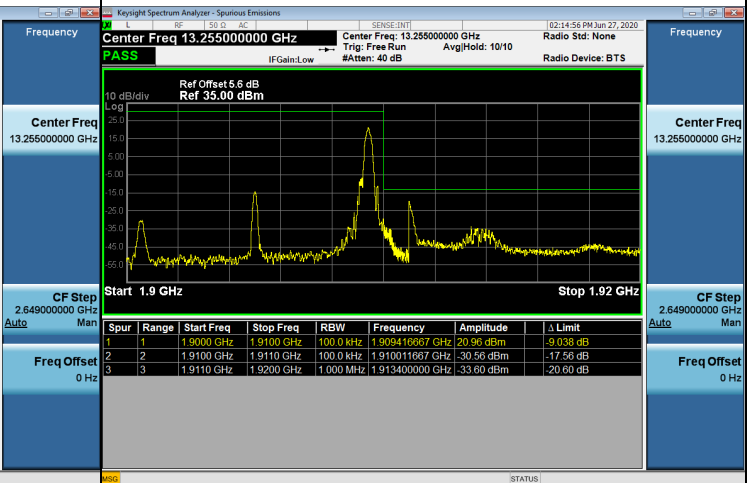
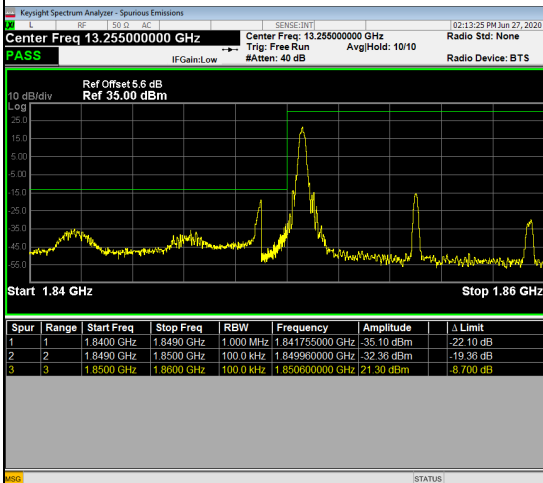
1RB#49

Channel

18650

Channel

19150



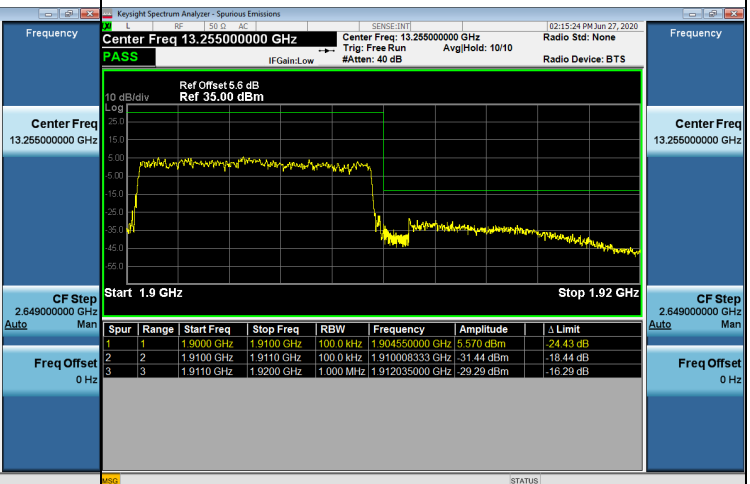
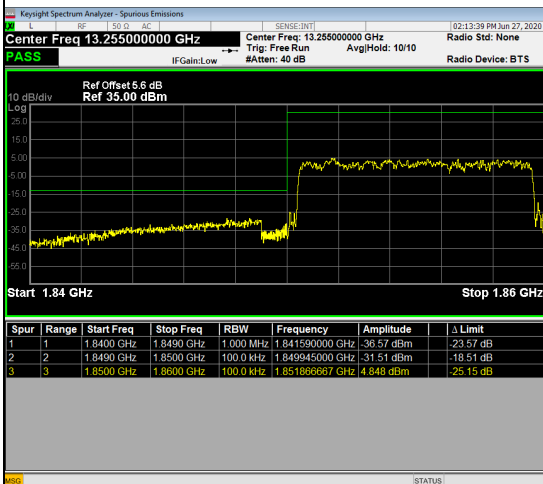
50RB#0

Channel

18650

Channel

19150



LTE Band 2_15M Spectrum Plot

1RB#0

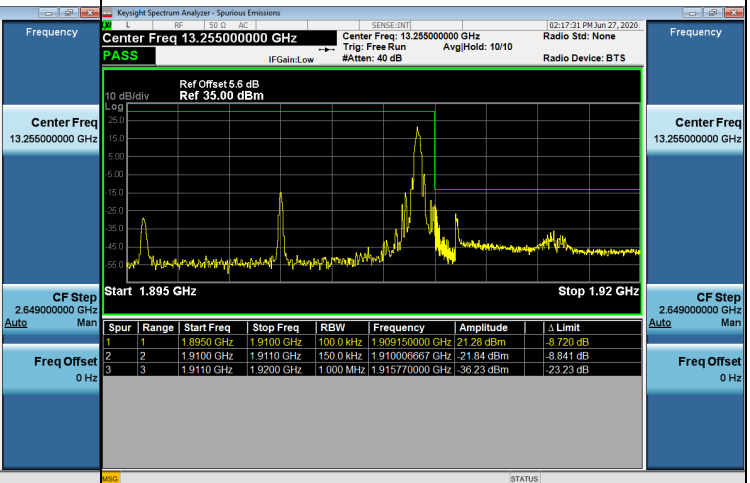
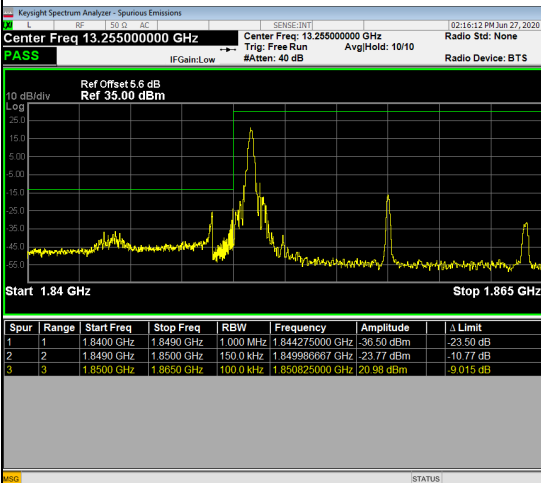
1RB#74

Channel

18675

Channel

19125



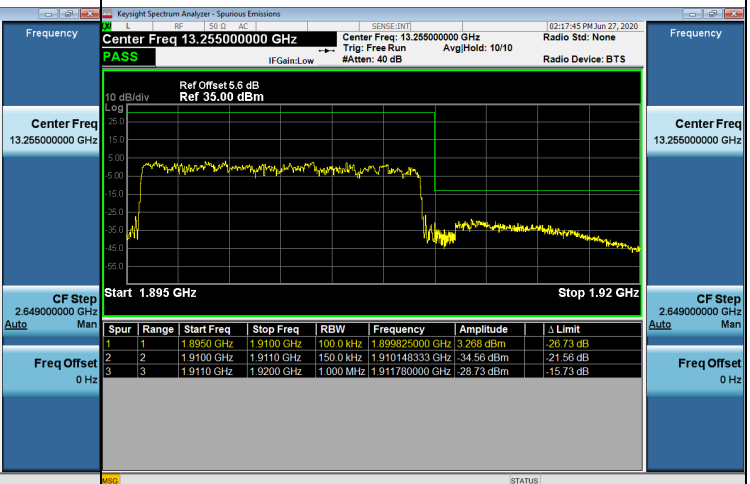
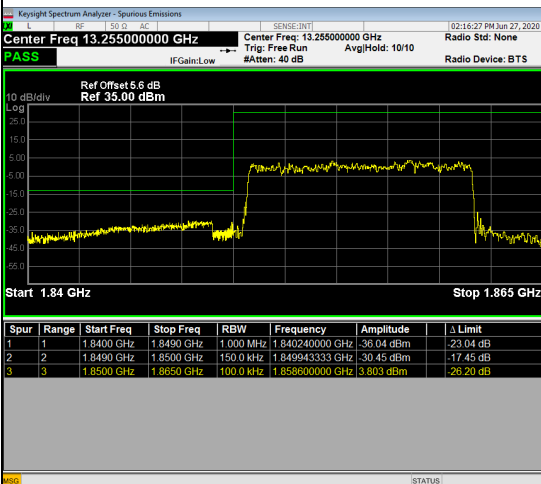
75RB#0

Channel

18675

Channel

19125



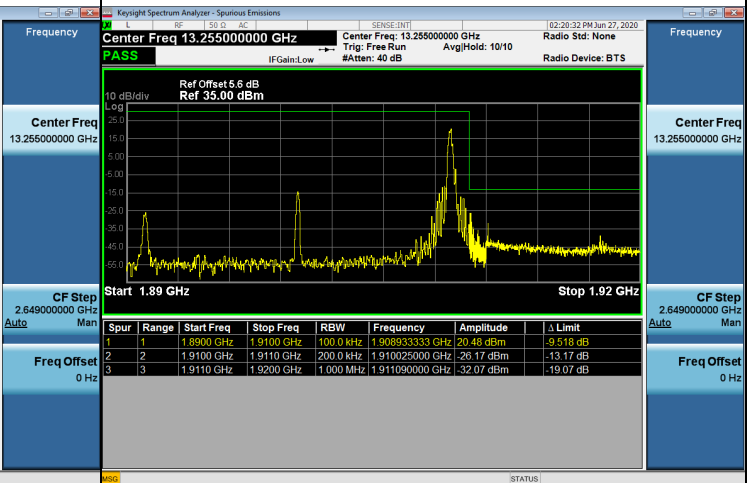
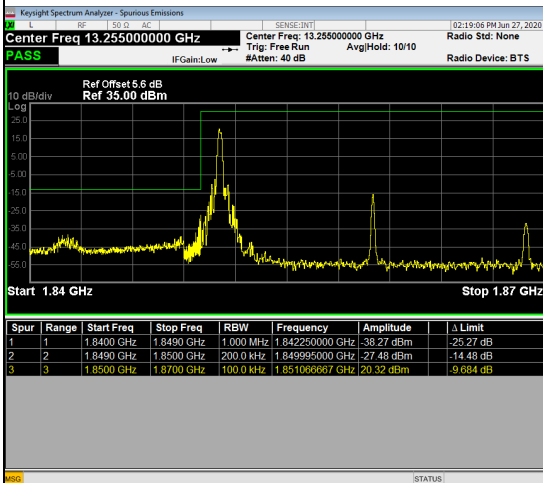
LTE Band 2_20M Spectrum Plot

1RB#0

1RB#99

Channel 18700

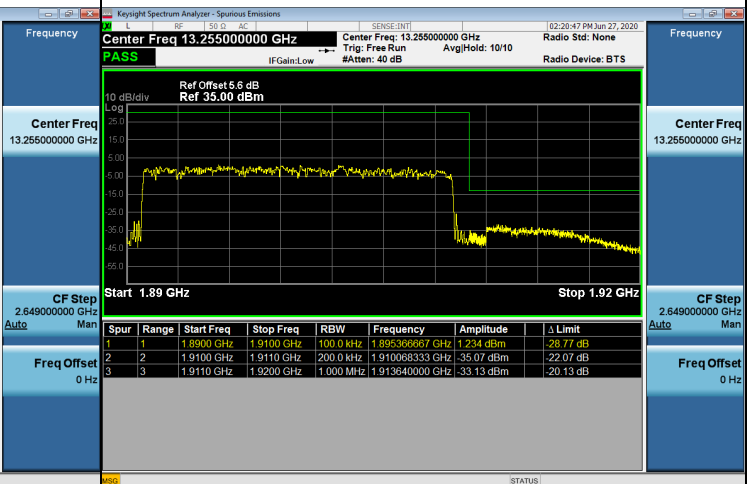
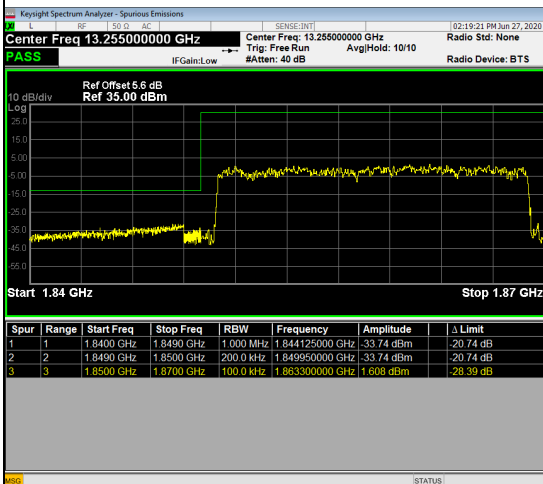
Channel 19100



100RB#0

Channel 18700

Channel 19100

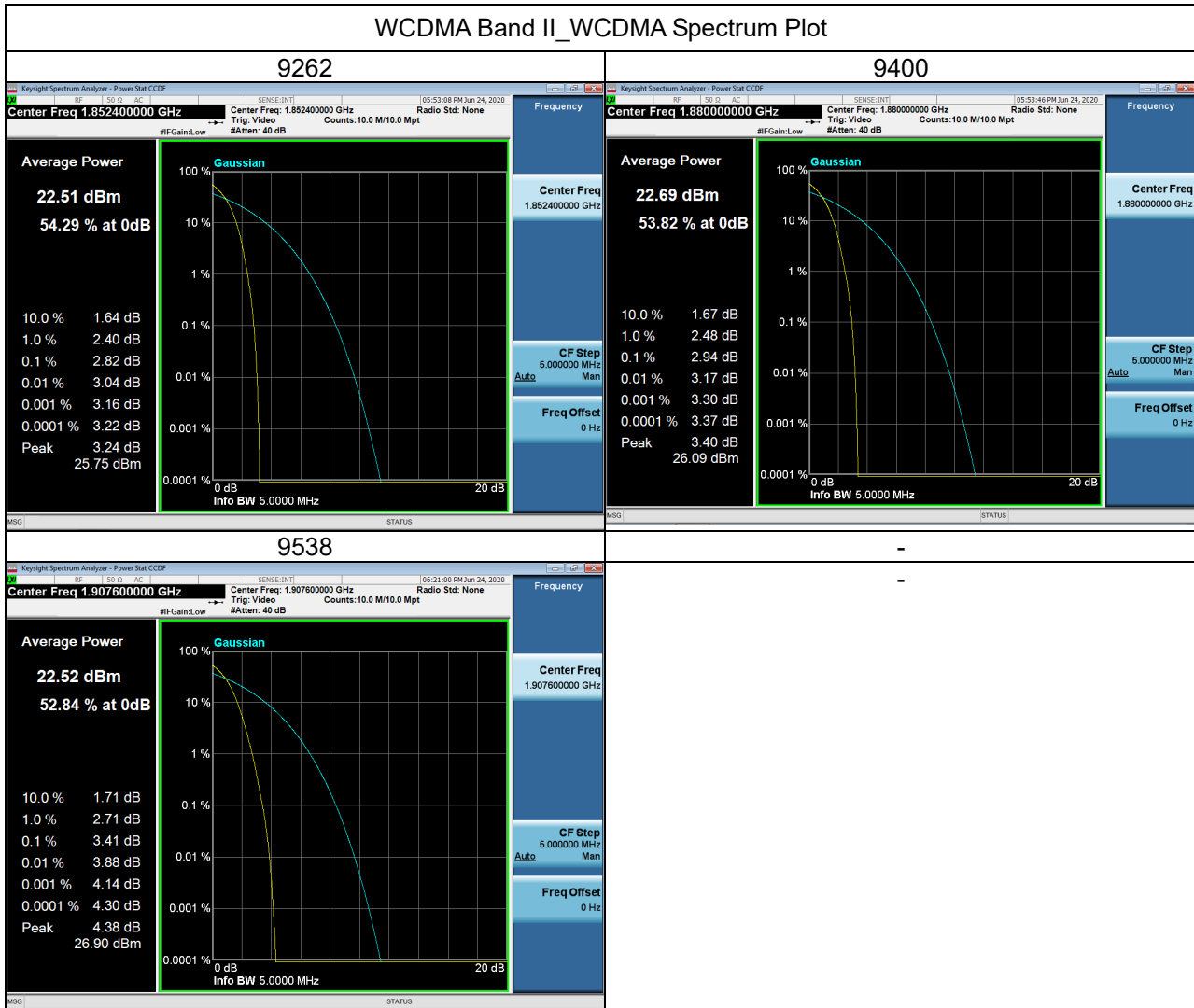


APPENDIX H - PEAK TO AVERAGE RATIO

PCS1900 Spectrum Plot



WCDMA Band II_WCDMA Spectrum Plot



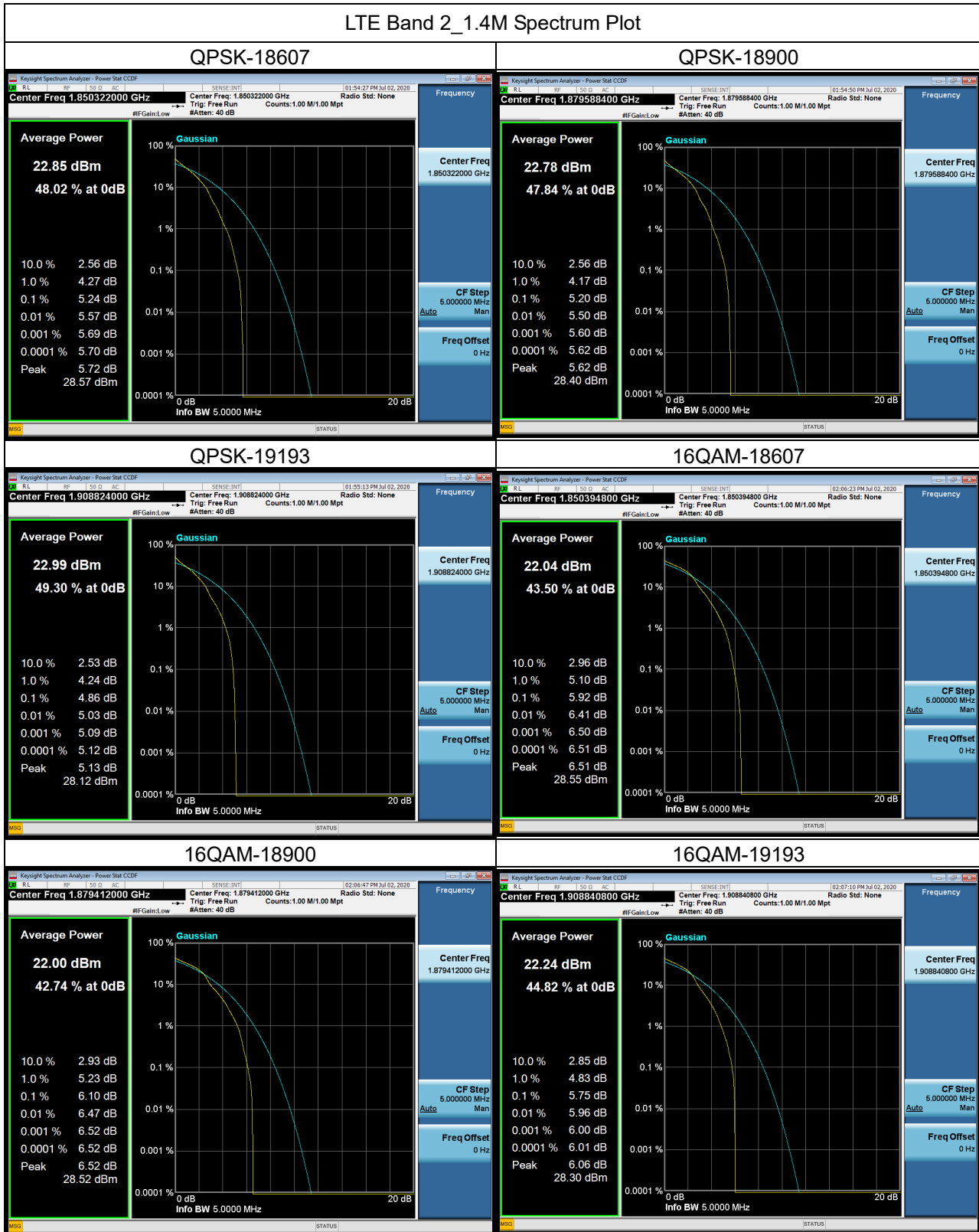
WCDMA Band II_HSDPA Spectrum Plot



WCDMA Band II_HSUPA Spectrum Plot

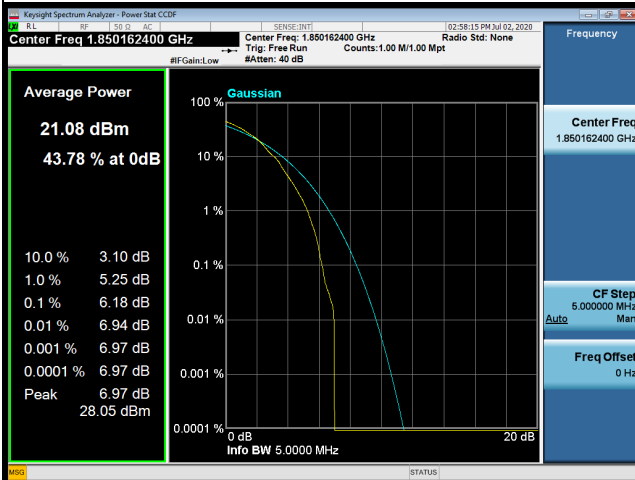


LTE Band 2_1.4M Spectrum Plot

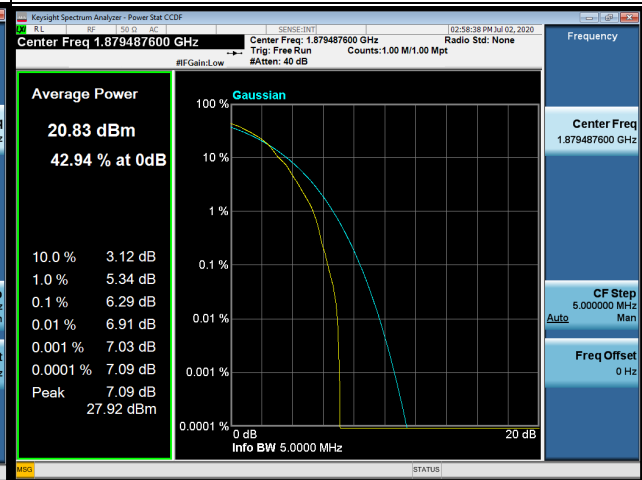


LTE Band 2_1.4M Spectrum Plot

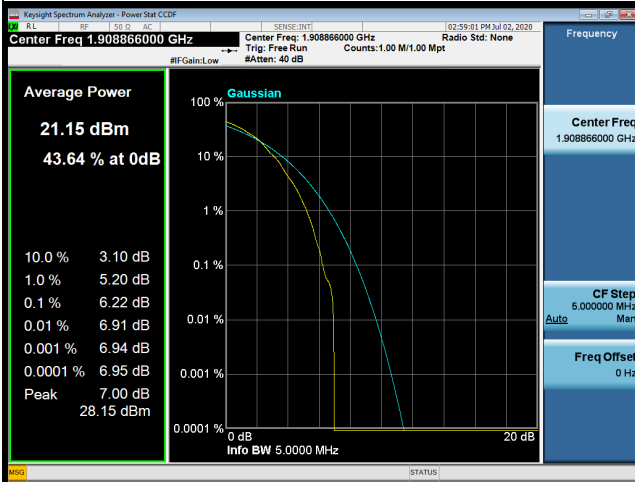
64QAM-18615



64QAM-18900



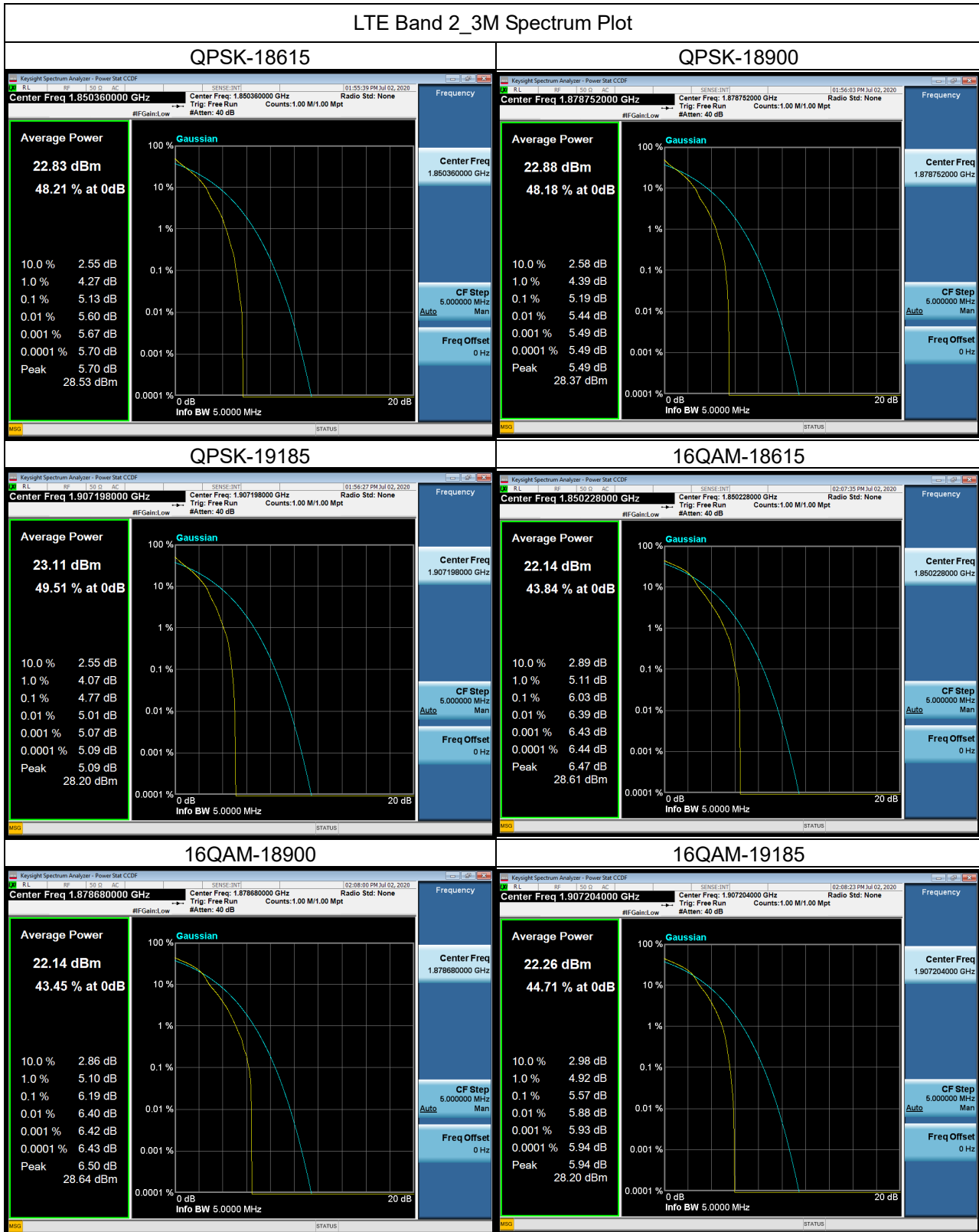
64QAM-19185



-

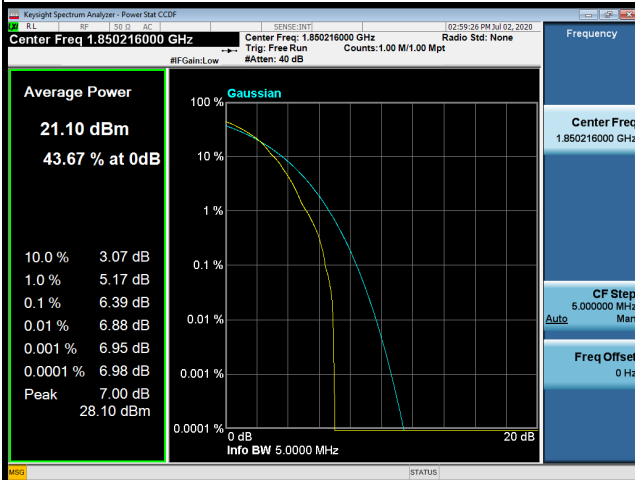
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LTE Band 2_3M Spectrum Plot

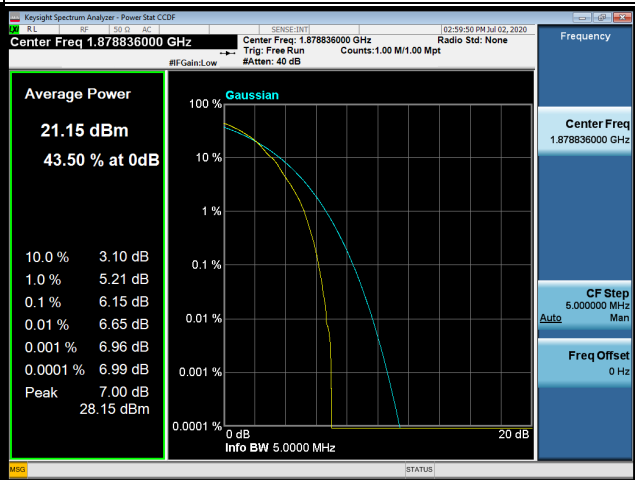


LTE Band 2_3M Spectrum Plot

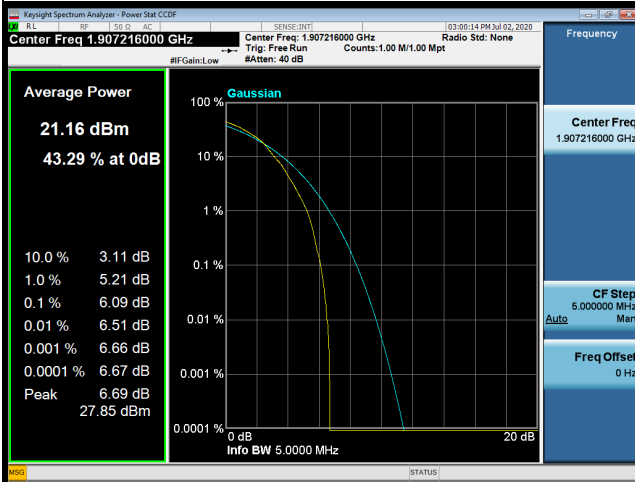
64QAM-18615



64QAM-18900



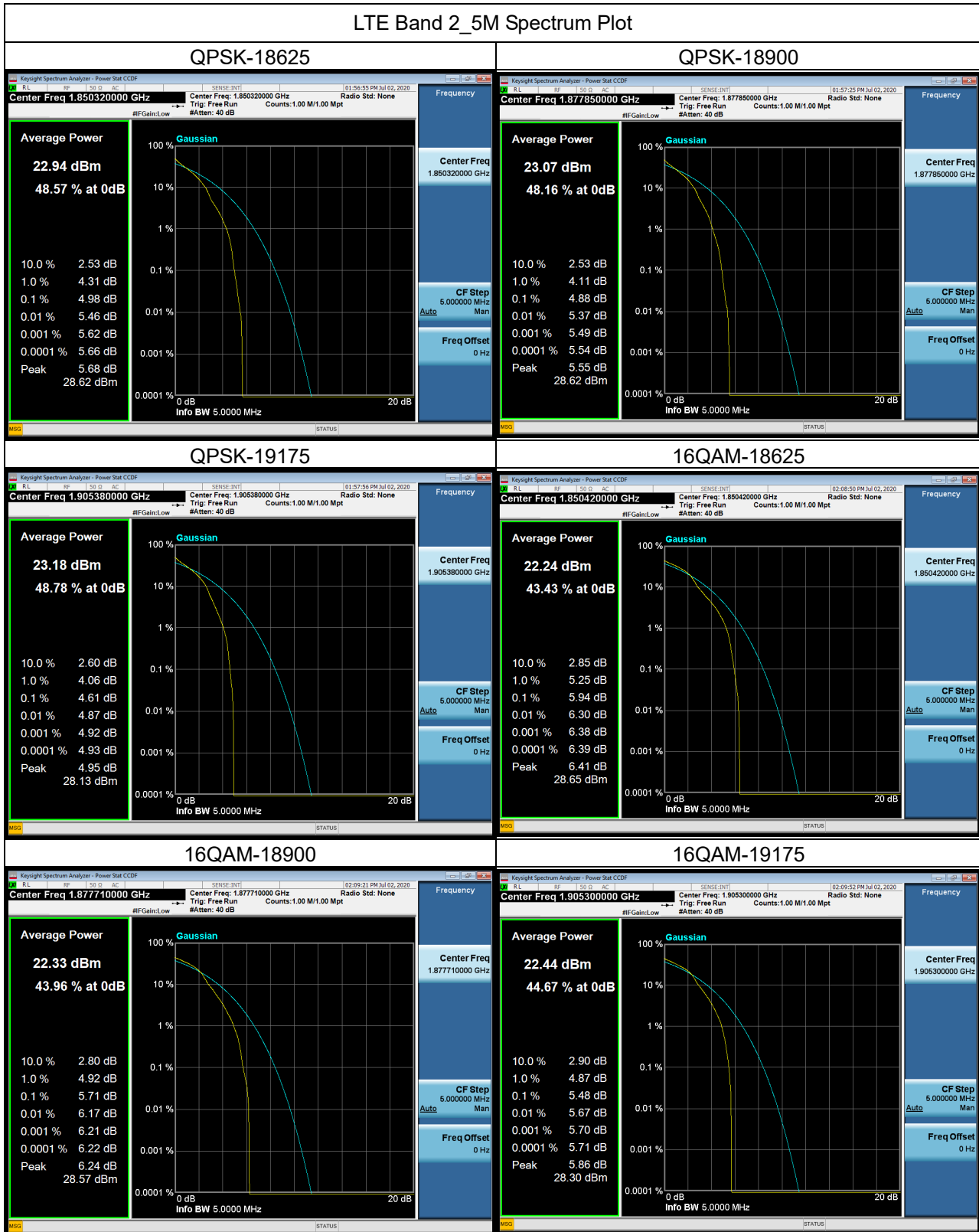
64QAM-19185



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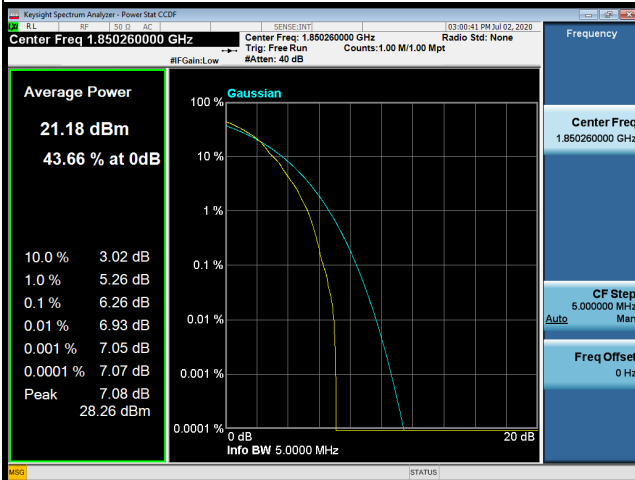
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LTE Band 2_5M Spectrum Plot

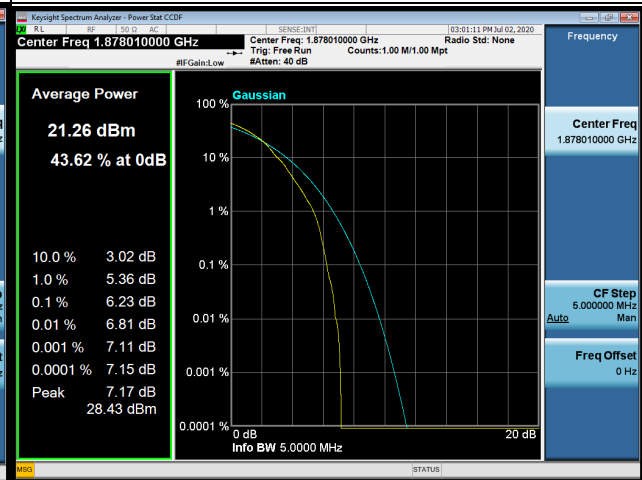


LTE Band 2_5M Spectrum Plot

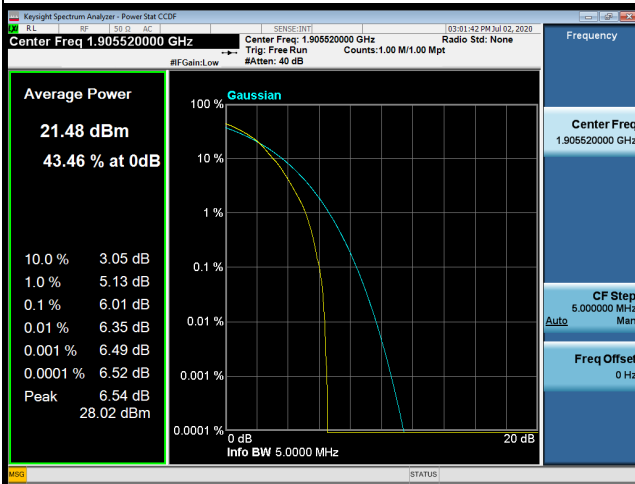
64QAM-18625



64QAM-18900



64QAM-19175



-

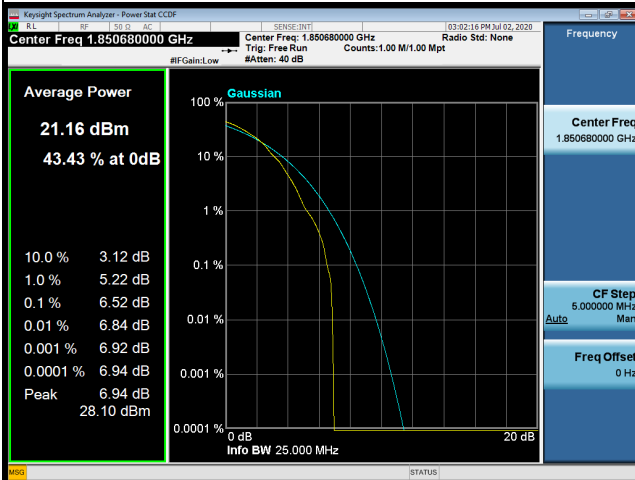
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LTE Band 2_10M Spectrum Plot

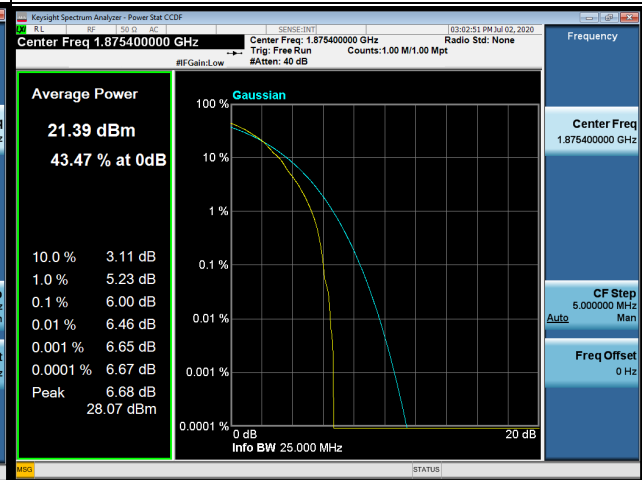


LTE Band 2_10M Spectrum Plot

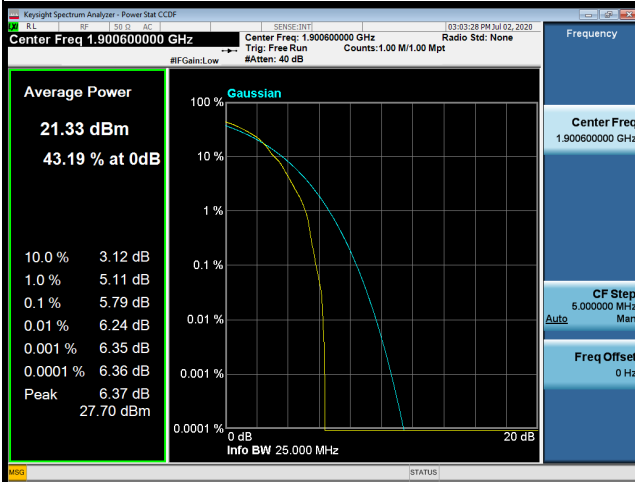
64QAM-18650



64QAM-18900



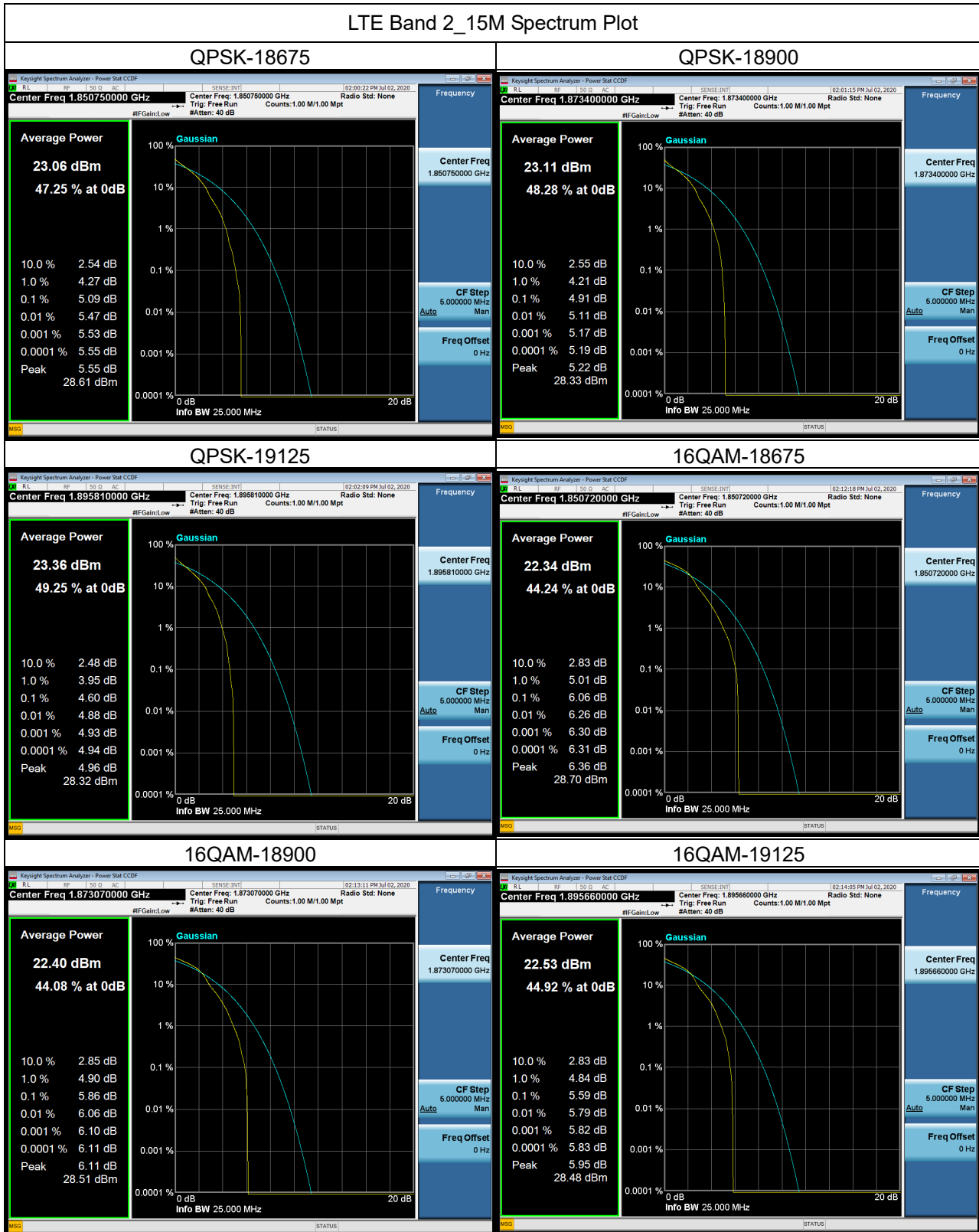
64QAM-19150



-

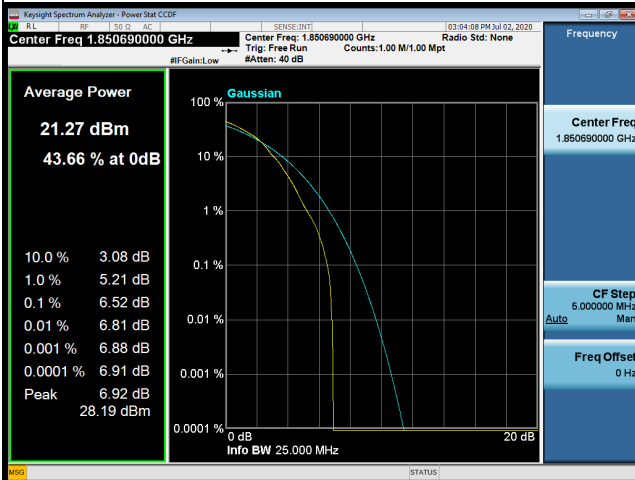
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LTE Band 2_15M Spectrum Plot

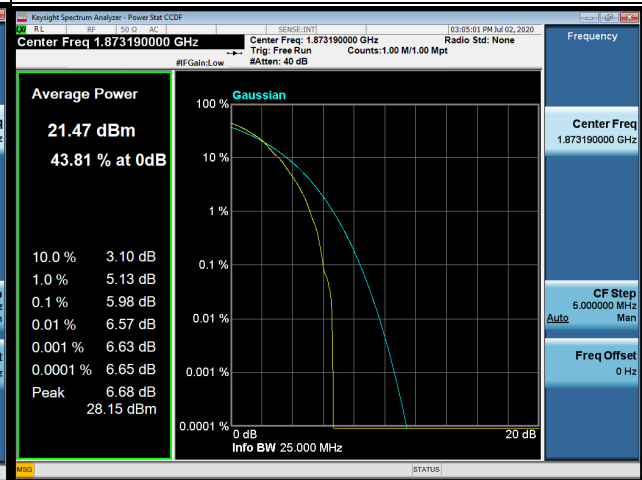


LTE Band 2_15M Spectrum Plot

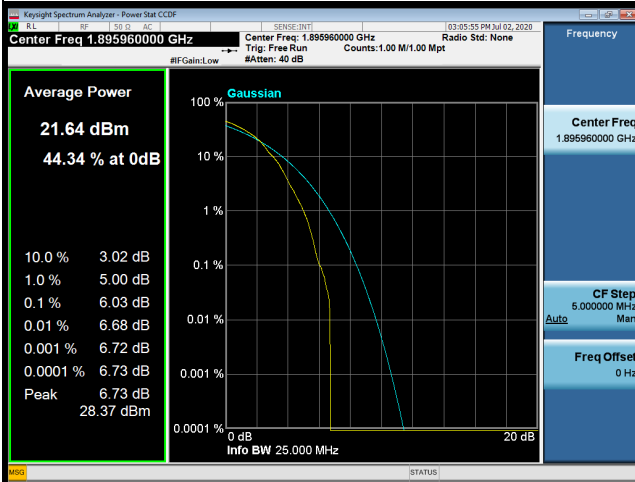
64QAM-18675



64QAM-18900



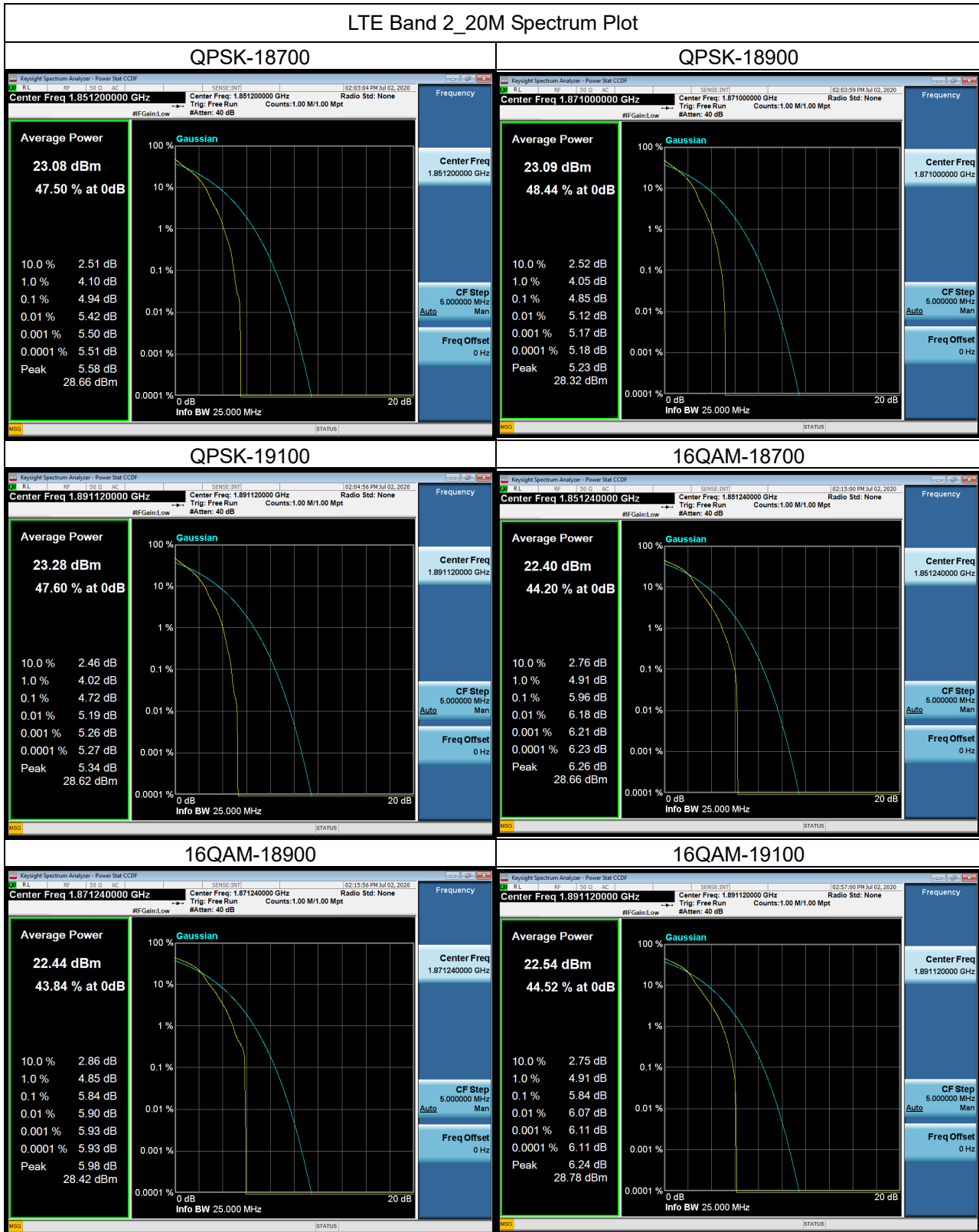
64QAM-19125



-

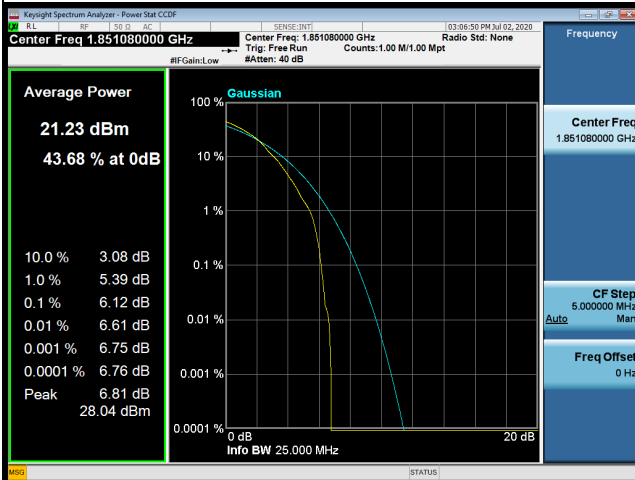
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LTE Band 2_20M Spectrum Plot

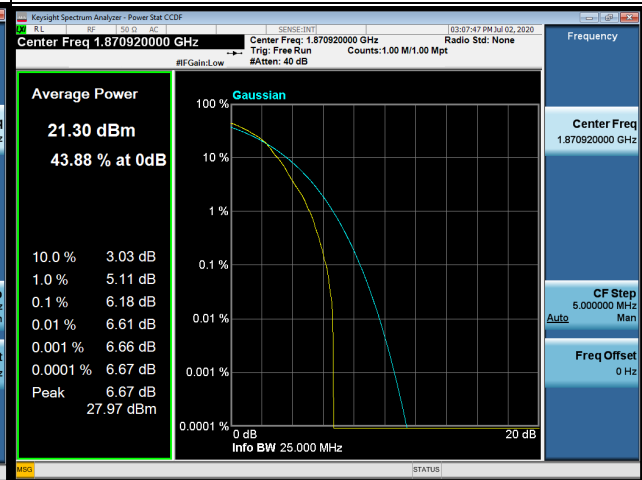


LTE Band 2_20M Spectrum Plot

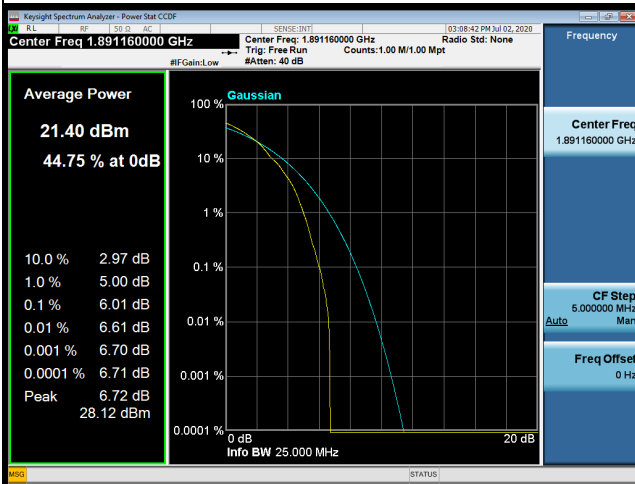
64QAM-18700



64QAM-18900



64QAM-19100



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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)
0	2.85	0.001515957	±2.5
10	1.95	0.001037234	
20	1.89	0.001005319	
30	5.69	0.003026596	
35	5.24	0.002787234	
Max. Deviation (ppm)	5.69	0.003026596	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	4.42	0.002351064	±2.5
3.87	2.64	0.001404255	
3.30	2.33	0.001239362	
Max. Deviation (ppm)	4.42	0.002351064	

Test Mode	WCDMA Band II_CH9400
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	2.45	0.001303191	±2.5
10	3.55	0.001888298	
20	5.44	0.002893617	
30	1.93	0.001026596	
35	2.91	0.001547872	
Max. Deviation (ppm)	5.44	0.002893617	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	1.71	0.000909574	±2.5
3.87	3.42	0.001819149	
3.30	0.35	0.00018617	
Max. Deviation (ppm)	3.42	0.001819149	

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)
0	-3.06	-0.00162766	±2.5
10	-2.06	-0.001095745	
20	2.86	0.001521277	
30	2.49	0.001324468	
35	6.51	0.003462766	
Max. Deviation (ppm)	6.51	0.003462766	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	1.65	0.00087766	±2.5
3.87	2.67	0.001420213	
3.30	3.17	0.00168617	
Max. Deviation (ppm)	3.17	0.00168617	

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)
0	6.49	0.003452128	±2.5
10	1.12	0.000595745	
20	4.57	0.002430851	
30	3.32	0.001765957	
35	-3.65	-0.001941489	
Max. Deviation (ppm)	6.49	0.003452128	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	4.59	0.002441489	±2.5
3.87	-5.91	-0.003143617	
3.30	1.12	0.000595745	
Max. Deviation (ppm)	-5.91	-0.003143617	

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)
0	2.30	0.001223404	±2.5
10	2.47	0.00131383	
20	-5.67	-0.003015957	
30	2.28	0.001212766	
35	5.23	0.002781915	
Max. Deviation (ppm)	-5.67	-0.003015957	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	-4.75	-0.002526596	±2.5
3.87	-4.89	-0.002601064	
3.30	3.74	0.001989362	
Max. Deviation (ppm)	-4.89	-0.002601064	

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)
0	6.64	0.003531915	±2.5
10	-2.35	-0.00125	
20	2.28	0.001212766	
30	5.96	0.003170213	
35	-1.85	-0.000984043	
Max. Deviation (ppm)	6.64	0.003531915	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	4.27	0.002271277	±2.5
3.87	3.85	0.002047872	
3.30	-3.37	-0.001792553	
Max. Deviation (ppm)	4.27	0.002271277	

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)
0	1.49	0.000792553	±2.5
10	-1.22	-0.000648936	
20	1.54	0.000819149	
30	-3.11	-0.001654255	
35	-4.83	-0.002569149	
Max. Deviation (ppm)	-4.83	-0.002569149	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	4.69	0.002494681	±2.5
3.87	-4.22	-0.002244681	
3.30	-2.72	-0.001446809	
Max. Deviation (ppm)	4.69	0.002494681	

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)
0	-4.99	-0.002654255	± 2.5
10	-5.75	-0.003058511	
20	-1.71	-0.000909574	
30	-6.14	-0.003265957	
35	2.74	0.001457447	
Max. Deviation (ppm)	-6.14	-0.003265957	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	3.51	0.001867021	± 2.5
3.87	-5.61	-0.002984043	
3.30	-1.67	-0.000888298	
Max. Deviation (ppm)	-5.61	-0.002984043	

End of Test Report