

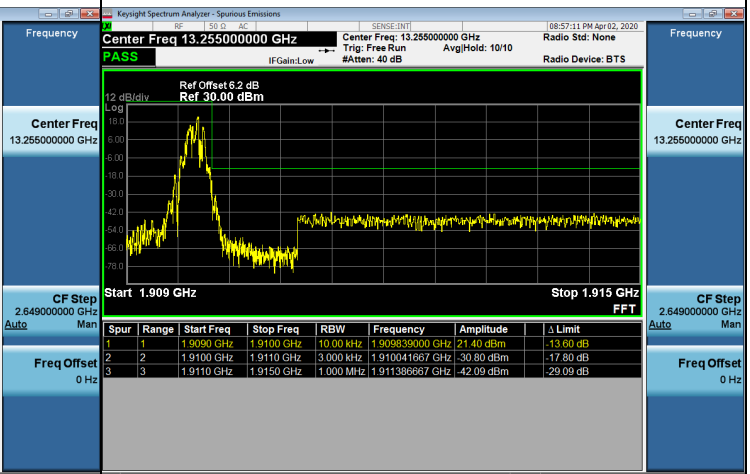
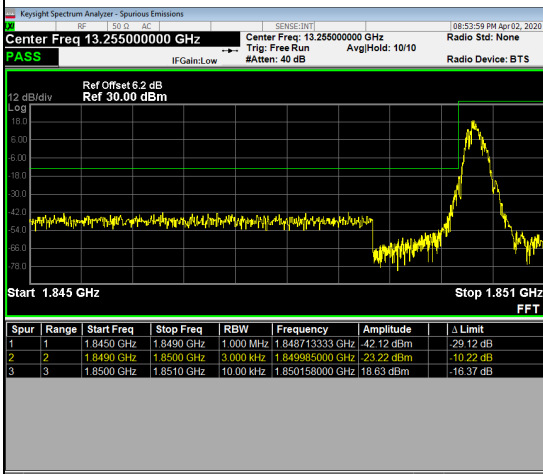
PCS1900_GSM Spectrum Plot

Channel

512

Channel

810



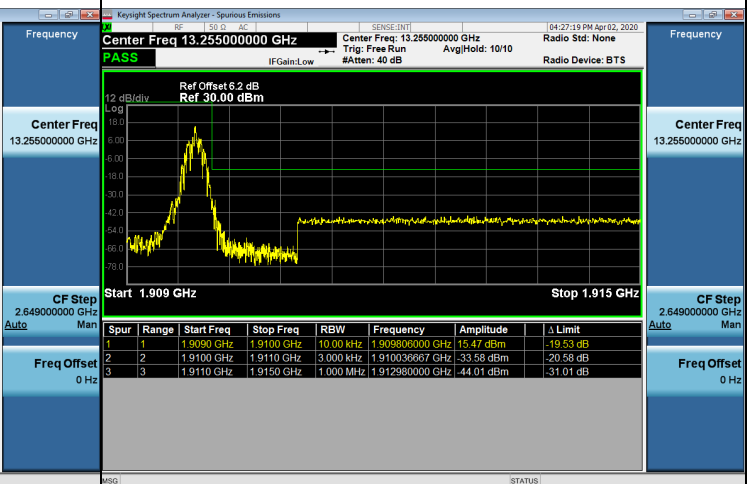
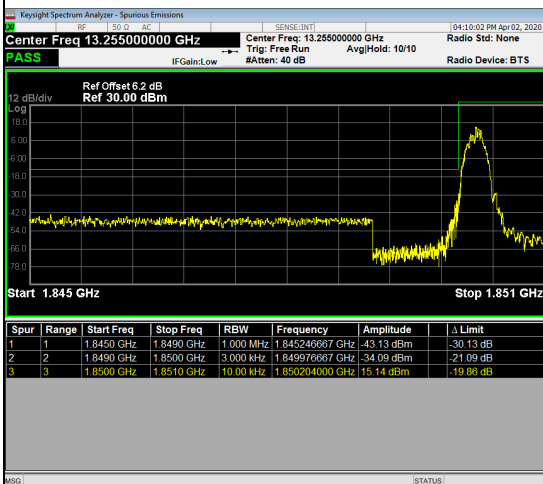
EDGE

Channel

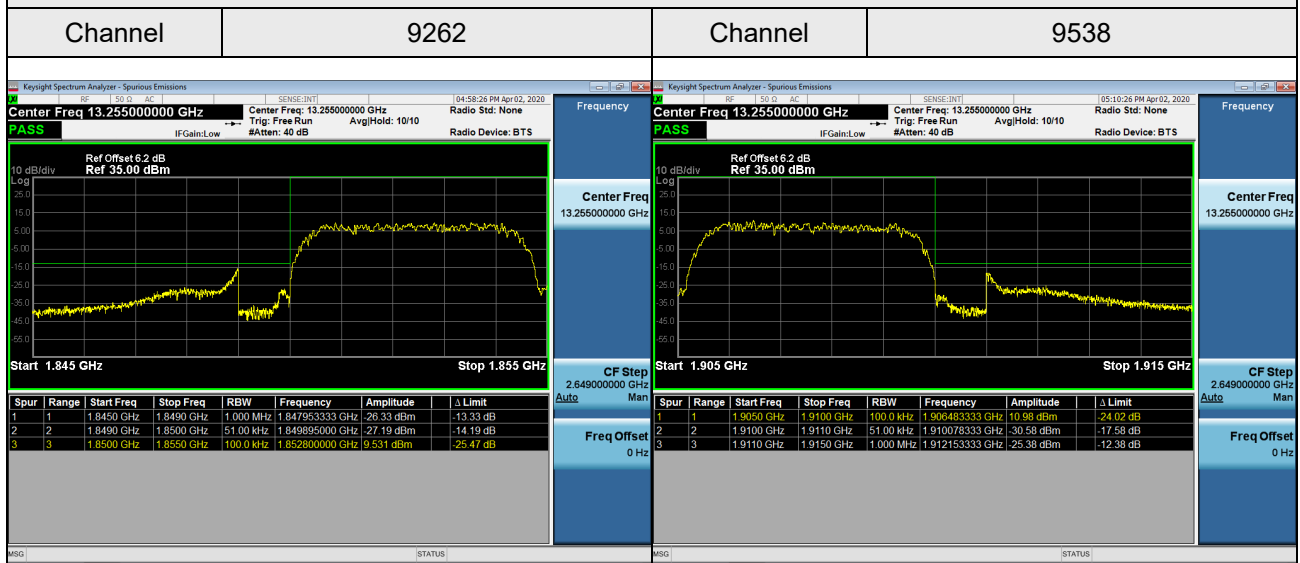
512

Channel

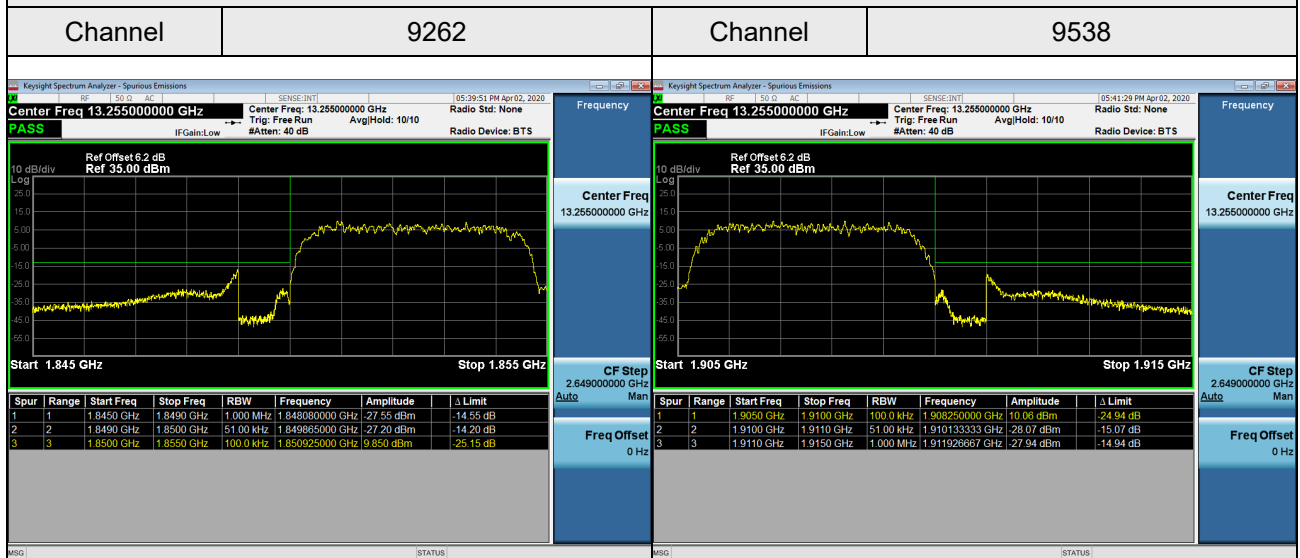
810



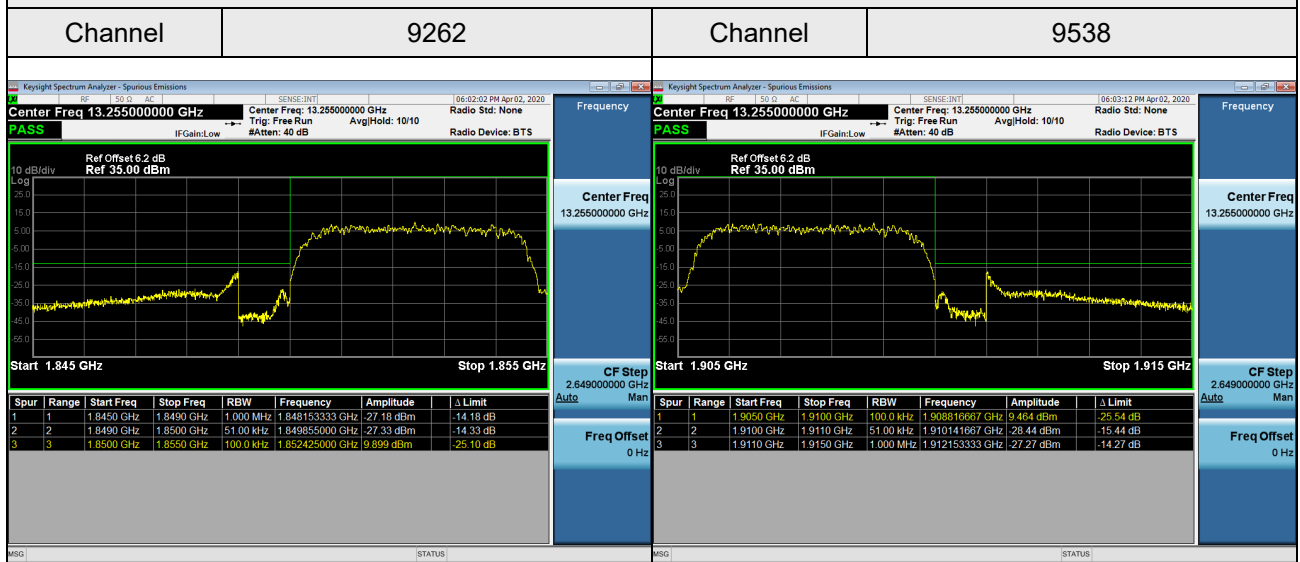
WCDMA Band II_WCDMA Spectrum Plot



WCDMA Band II_HSDPA Spectrum Plot



WCDMA Band II_HSUPA Spectrum Plot



LTE Band 2_1.4M Spectrum Plot

1RB#0

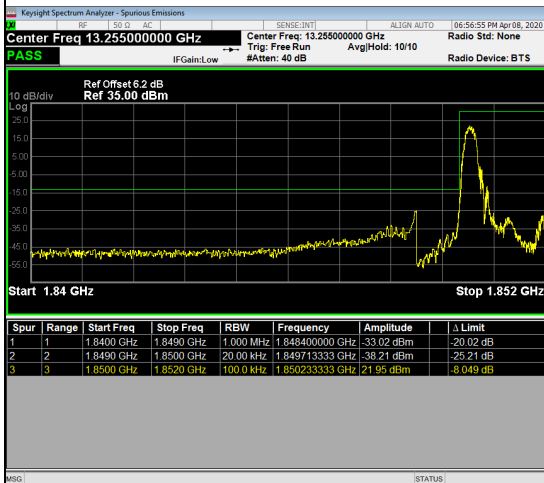
1RB#5

Channel

18607

Channel

19193



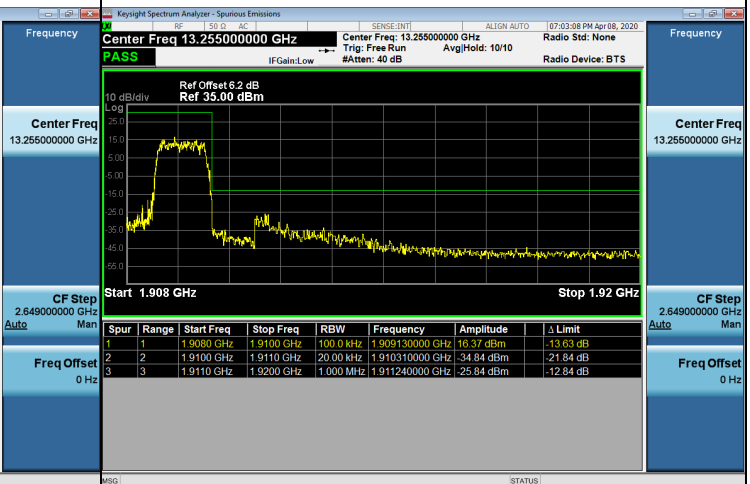
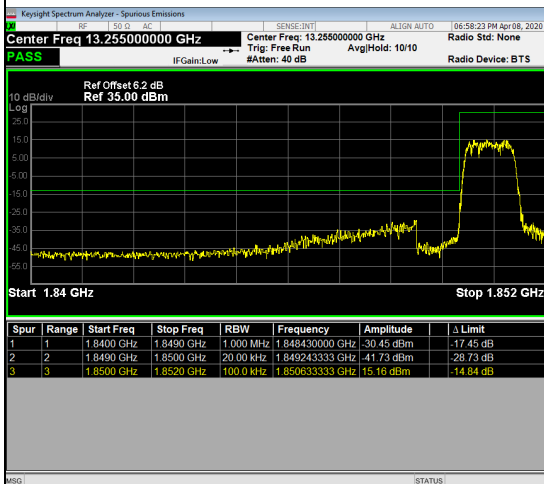
6RB#0

Channel

18607

Channel

19193



LTE Band 2_3M Spectrum Plot

1RB#0

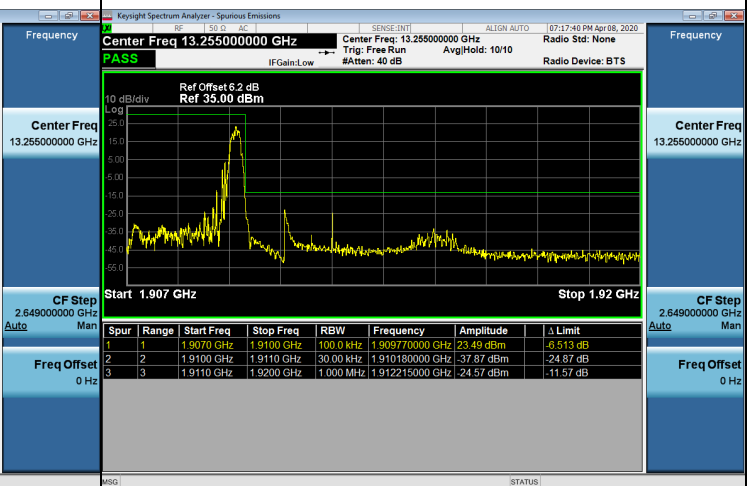
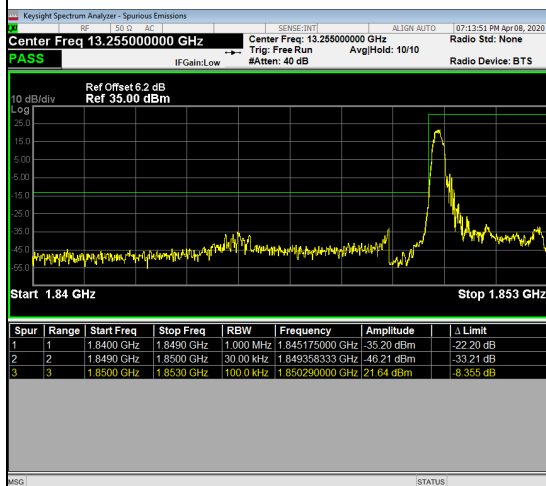
1RB#14

Channel

18615

Channel

19185



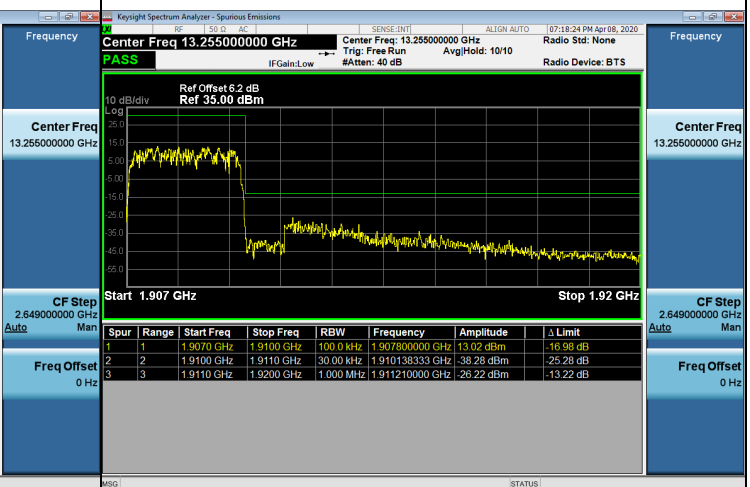
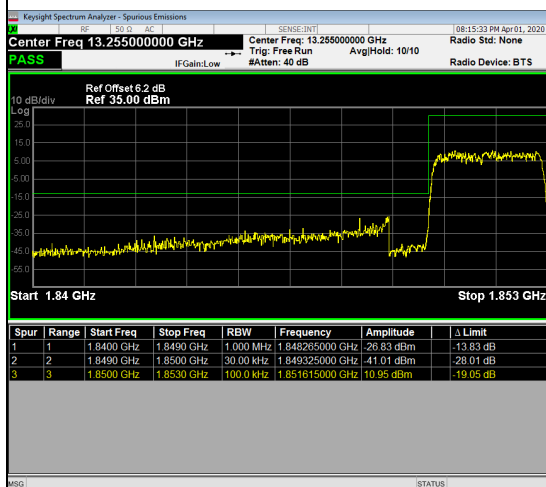
15RB#0

Channel

18615

Channel

19185



LTE Band 2_5M Spectrum Plot

1RB#0

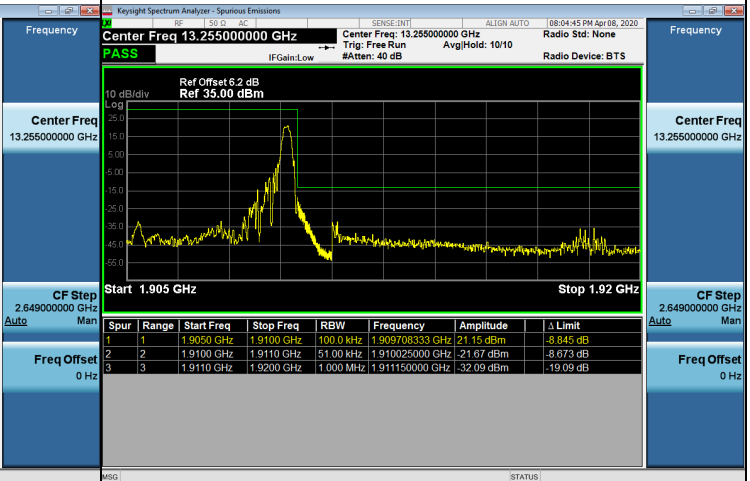
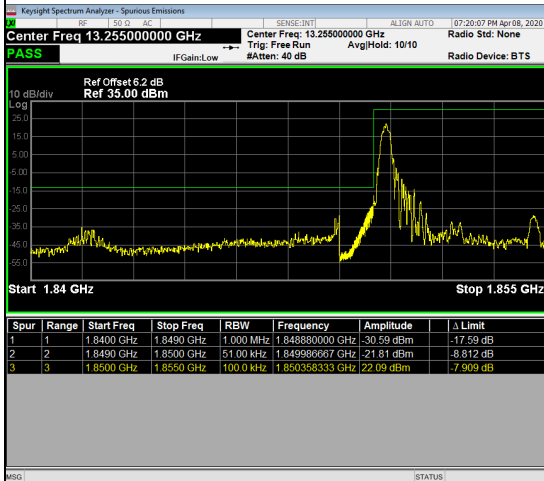
1RB#24

Channel

18625

Channel

19175



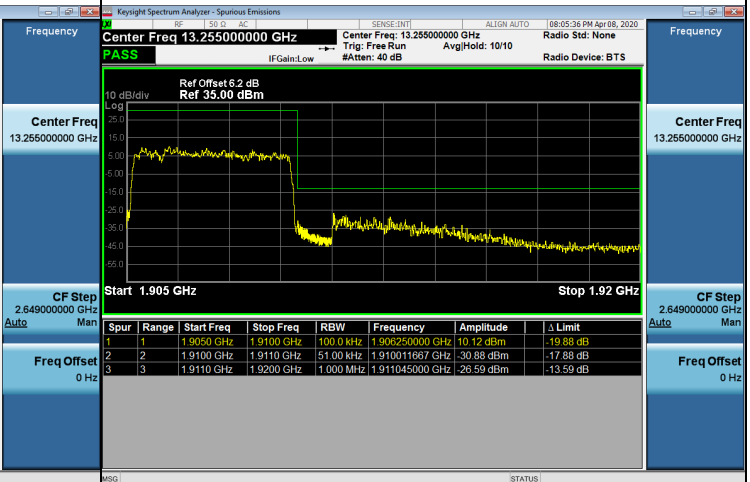
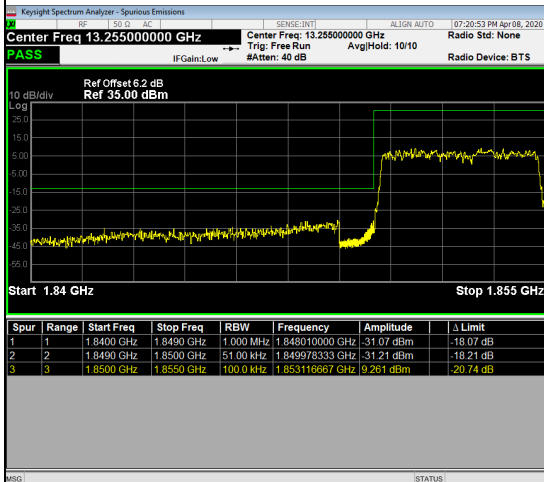
25RB#0

Channel

18625

Channel

19175



LTE Band 2_10M Spectrum Plot

1RB#0

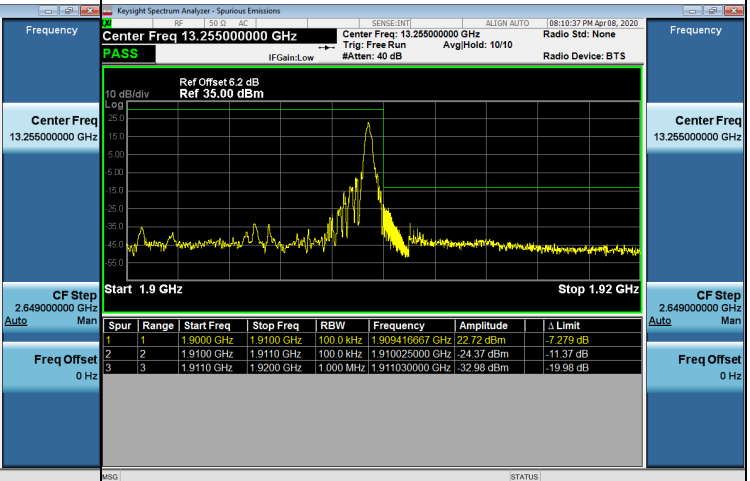
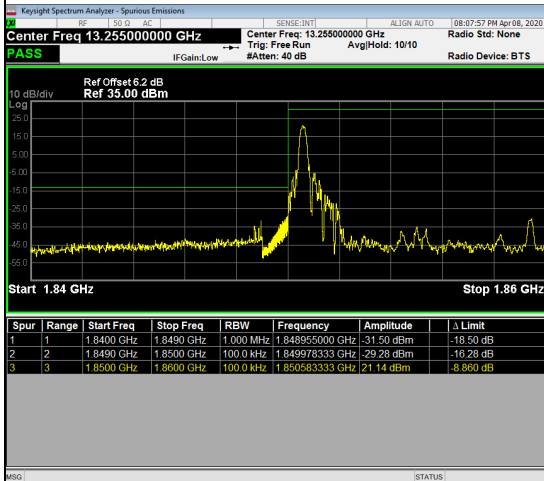
1RB#49

Channel

18650

Channel

19150



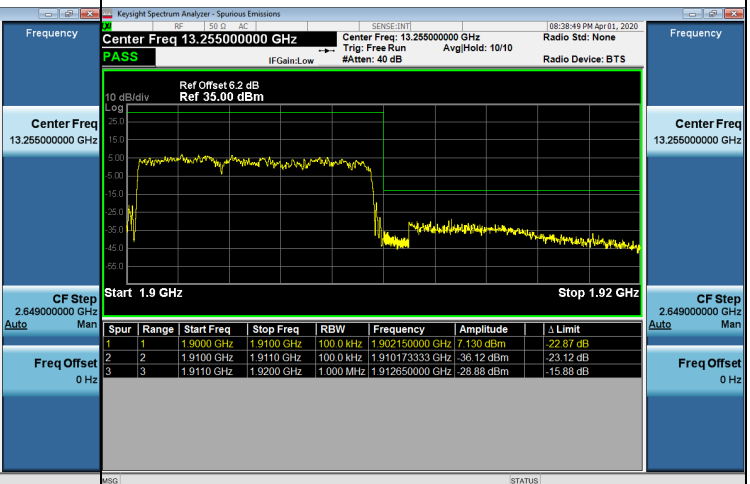
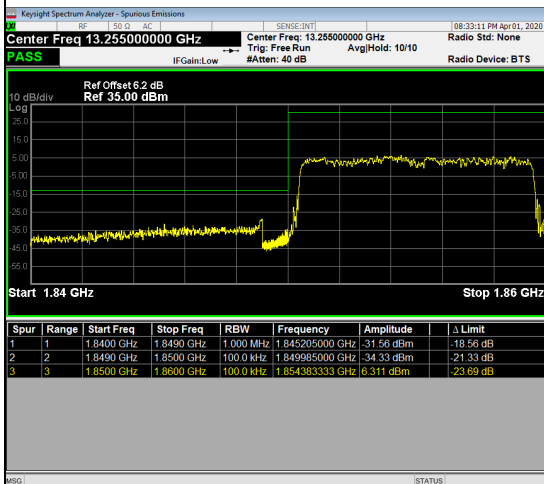
50RB#0

Channel

18650

Channel

19150



LTE Band 2_15M Spectrum Plot

1RB#0

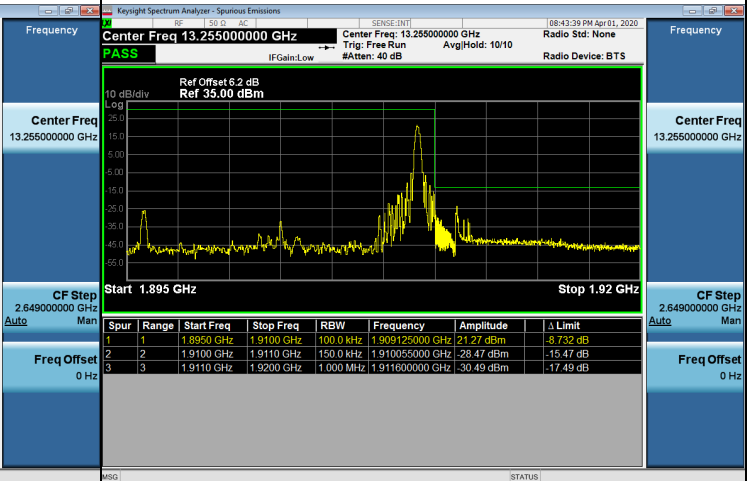
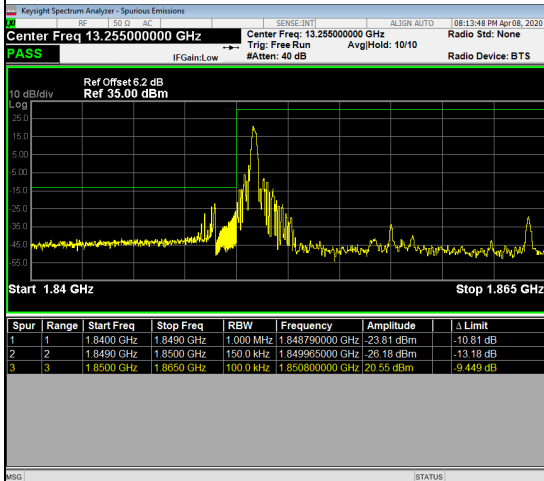
1RB#74

Channel

18675

Channel

19125



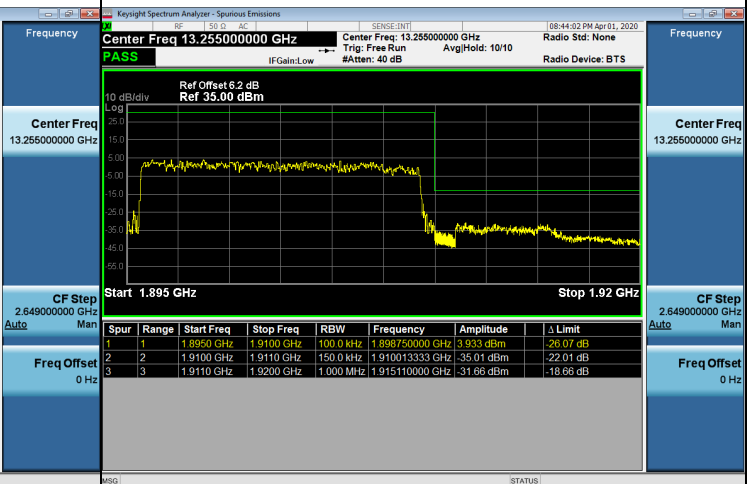
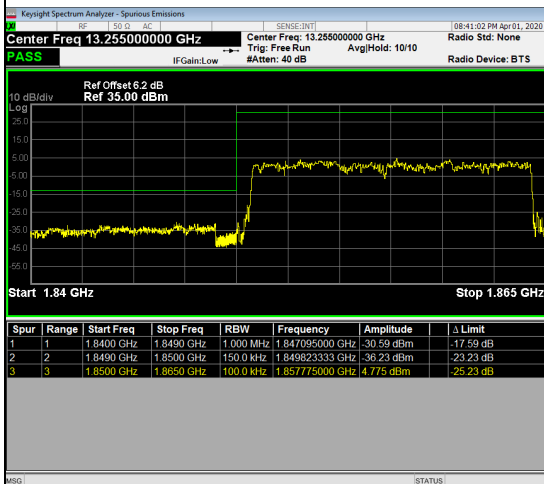
75RB#0

Channel

18675

Channel

19125



LTE Band 2_20M Spectrum Plot

1RB#0

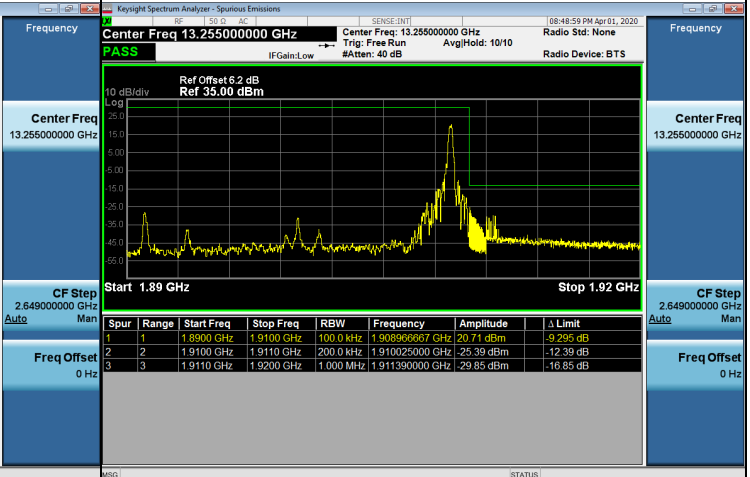
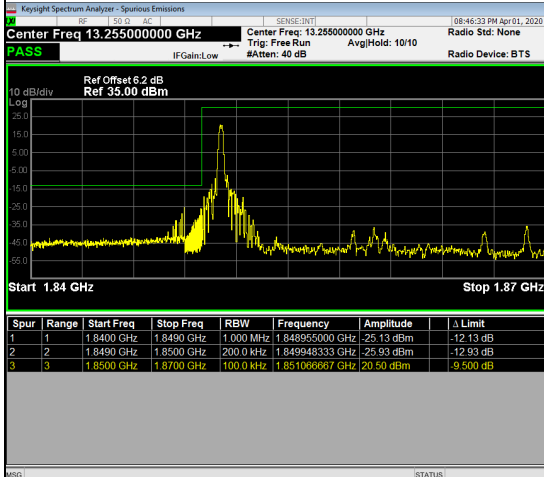
1RB#99

Channel

18700

Channel

19100



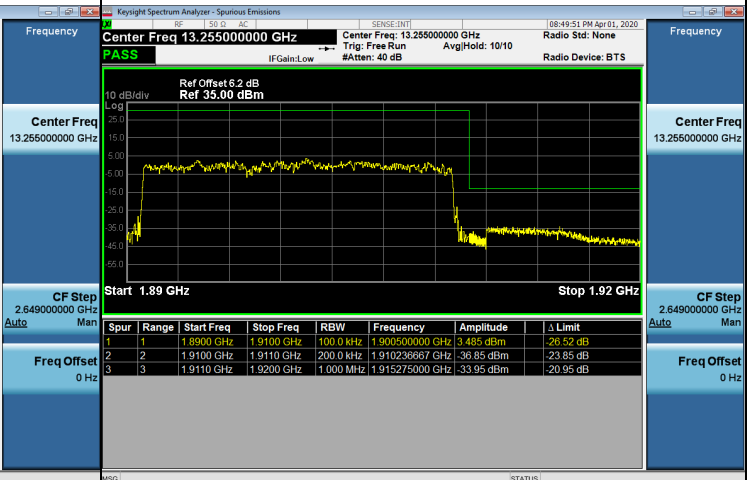
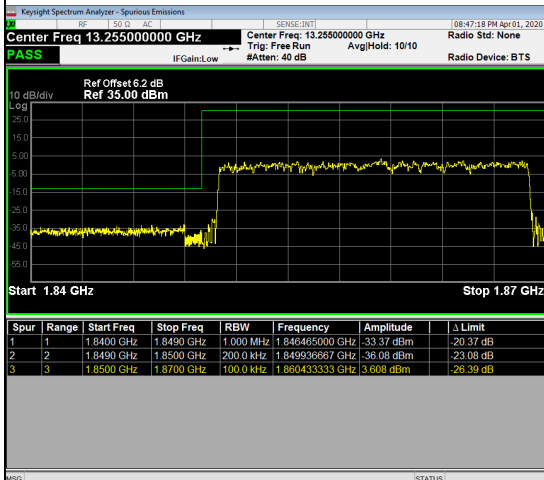
100RB#0

Channel

18700

Channel

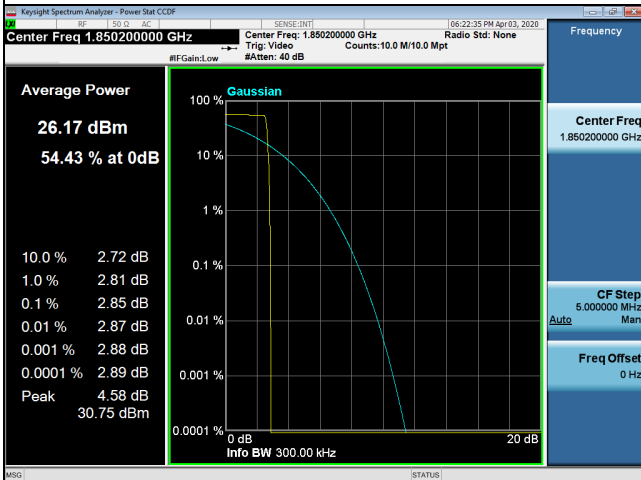
19100



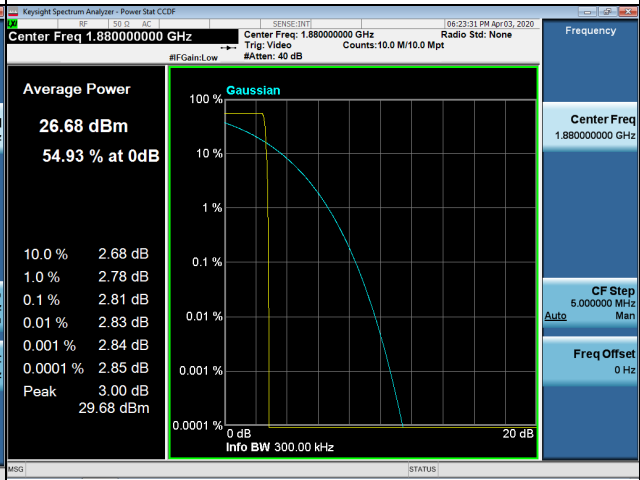
APPENDIX H - PEAK TO AVERAGE RATIO

PCS1900 Spectrum Plot

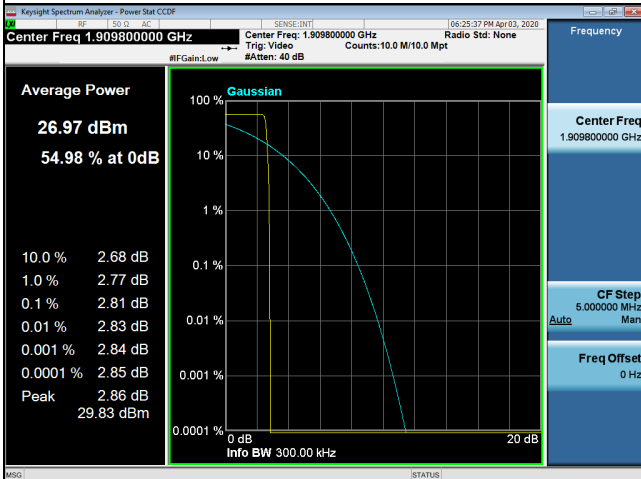
GSM-512



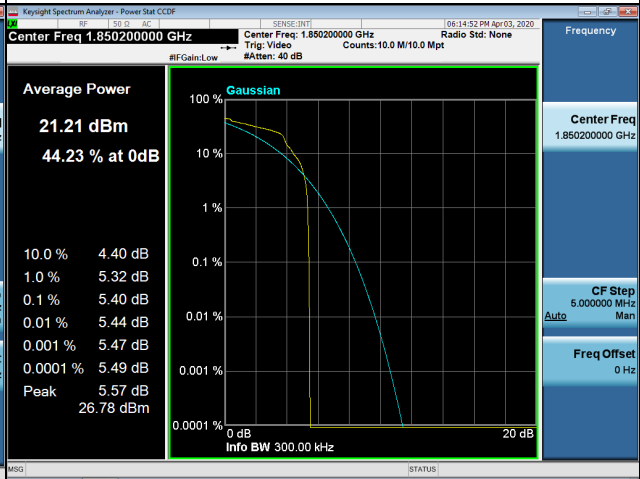
GSM-661



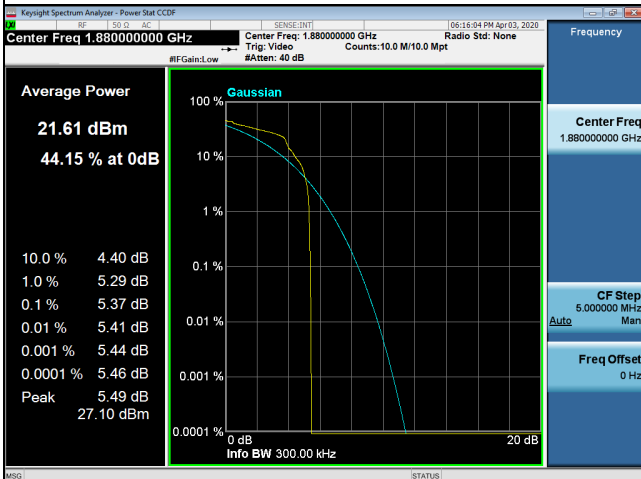
GSM-810



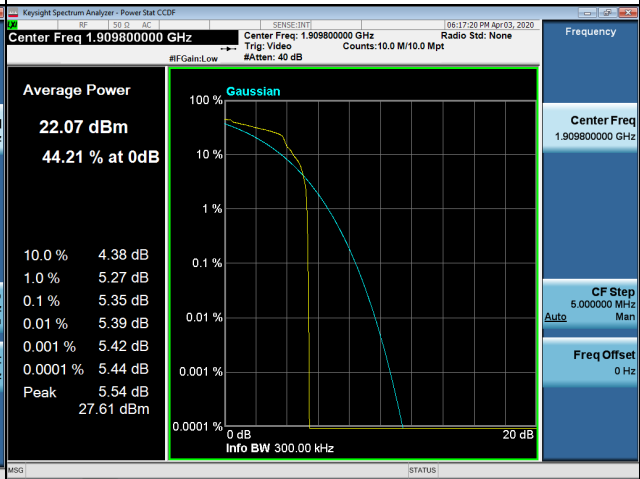
EDGE-512



EDGE-661

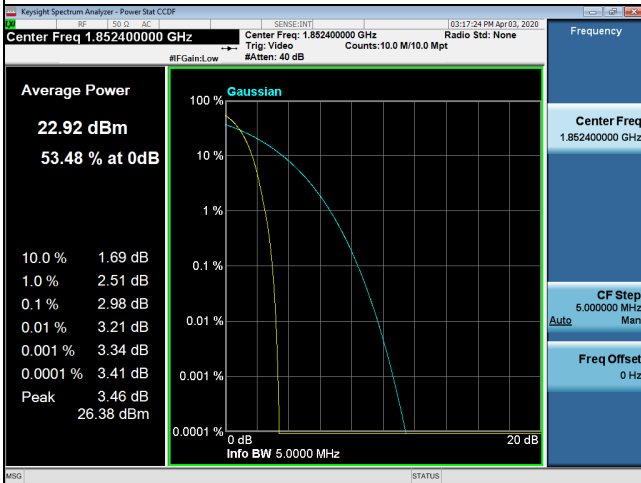


EDGE-810

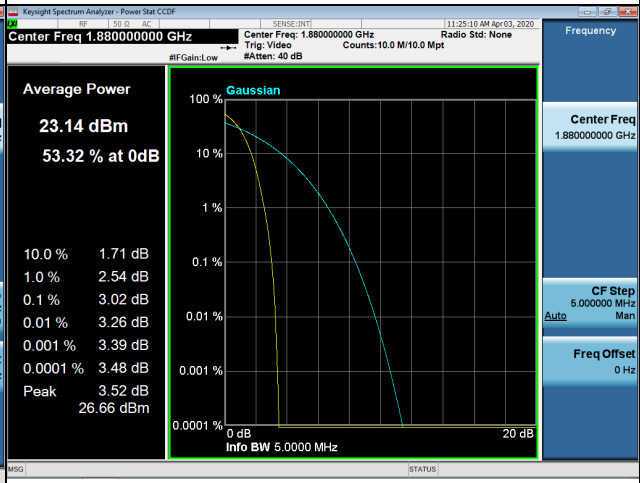


WCDMA Band II_WCDMA Spectrum Plot

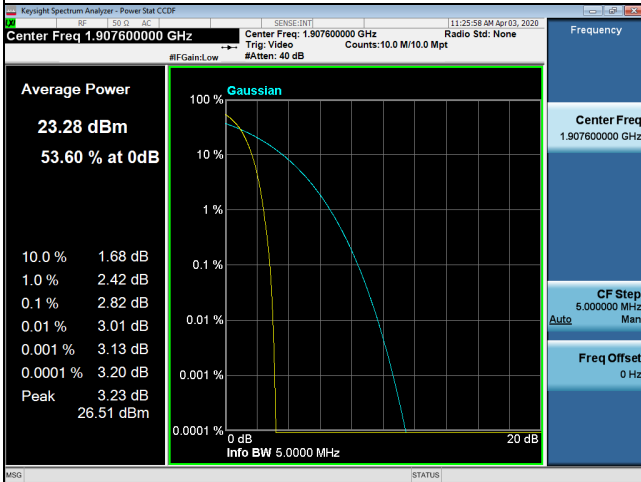
9262



9400



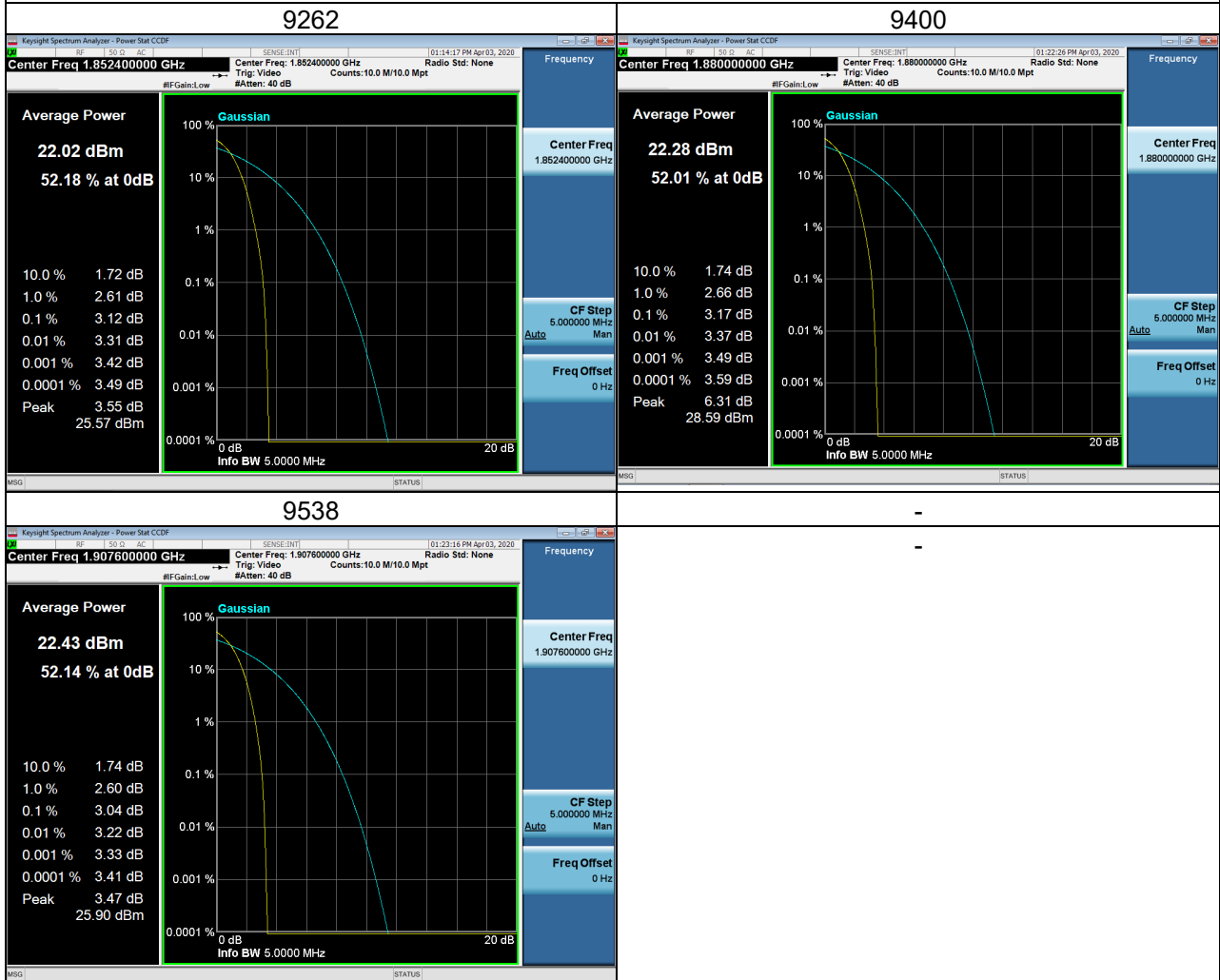
9538



-

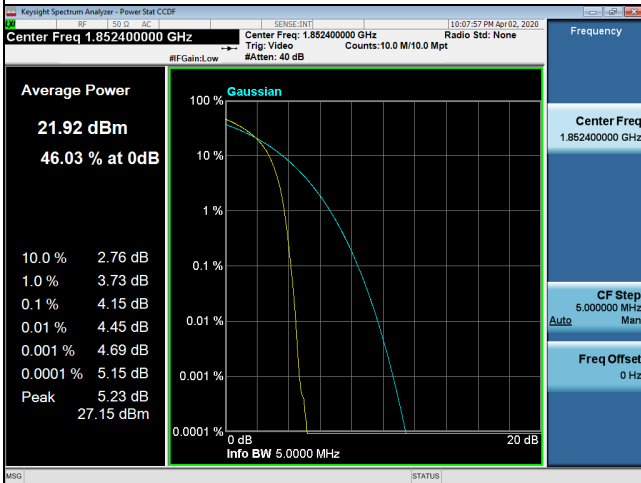
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WCDMA Band II_HSDPA Spectrum Plot

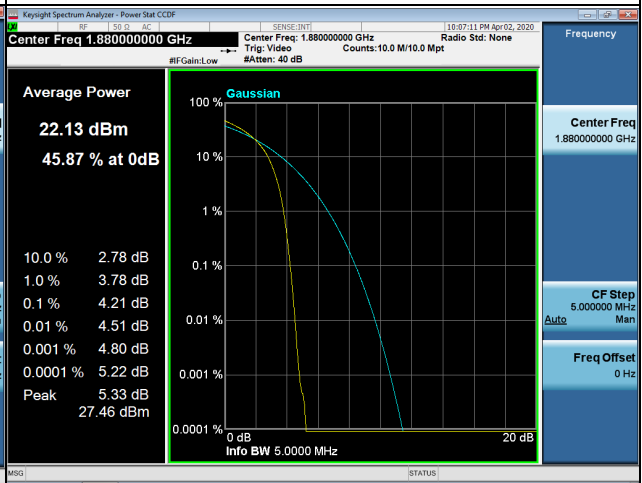


WCDMA Band II_HSUPA Spectrum Plot

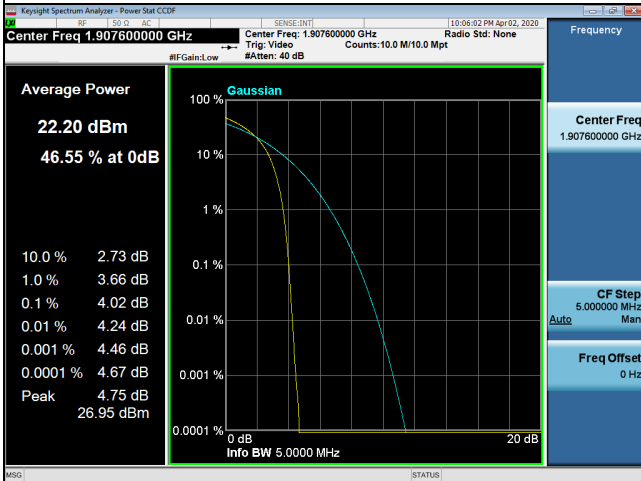
9262



9400



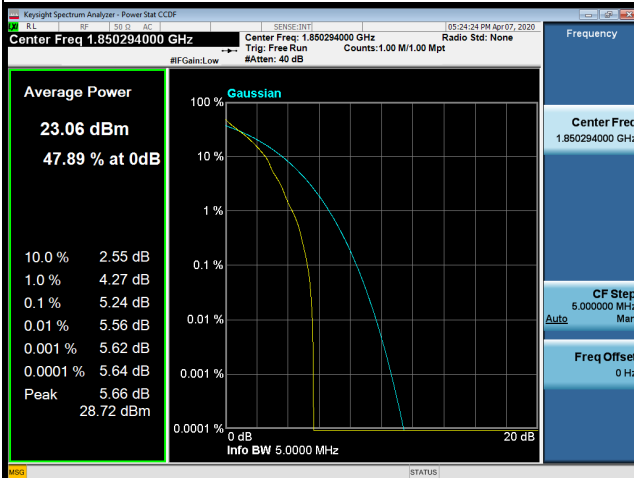
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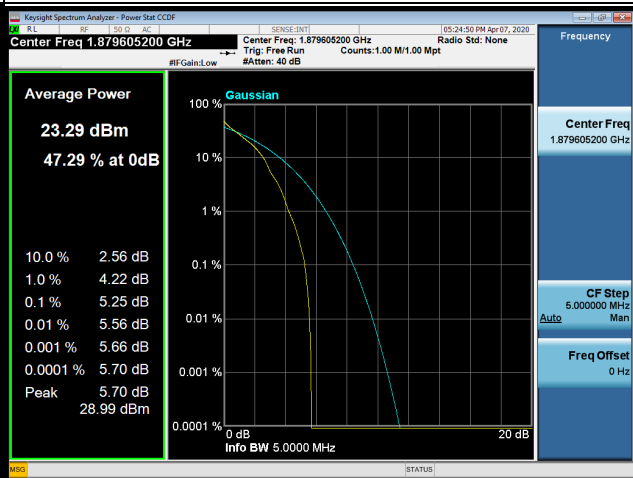
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LTE Band 2_1.4M Spectrum Plot

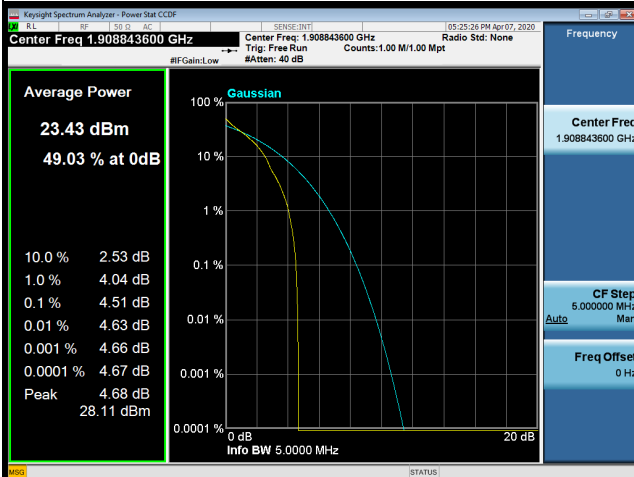
QPSK-18607



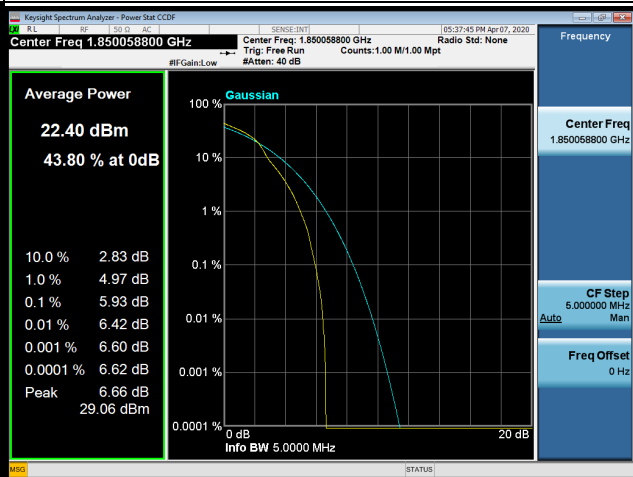
QPSK-18900



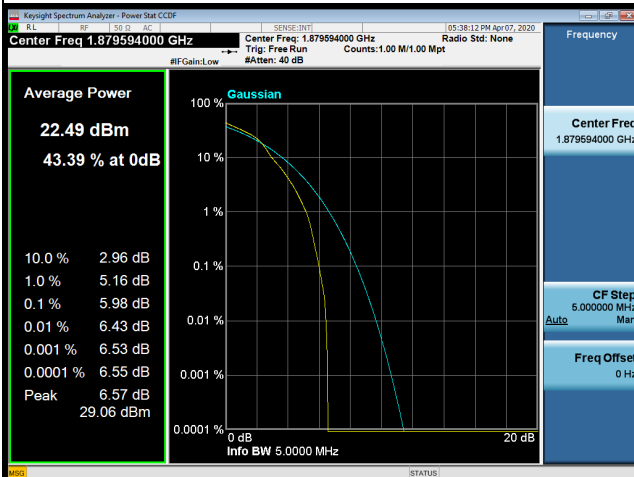
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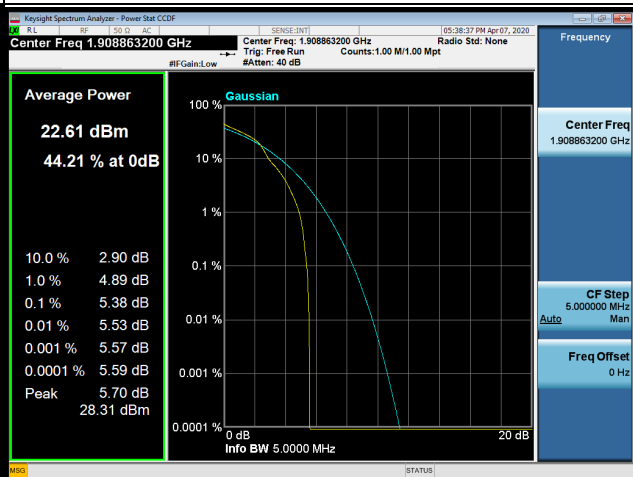
16QAM-18607



16QAM-18900

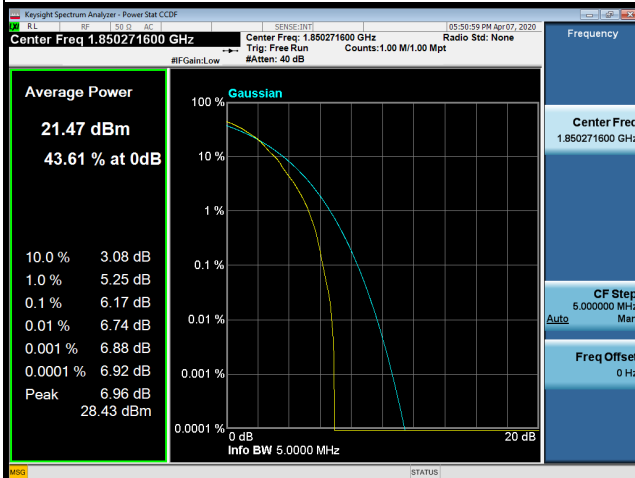


16QAM-19193

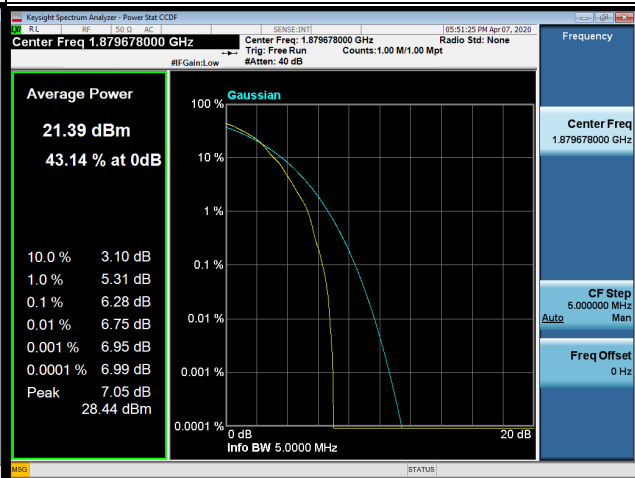


LTE Band 2_1.4M Spectrum Plot

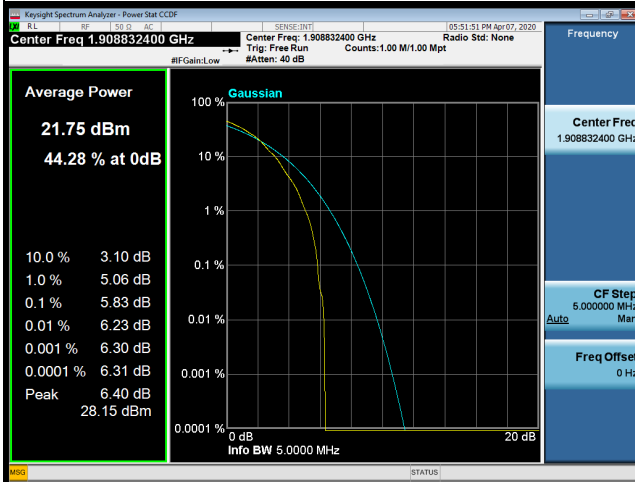
64QAM-18615



64QAM-18900



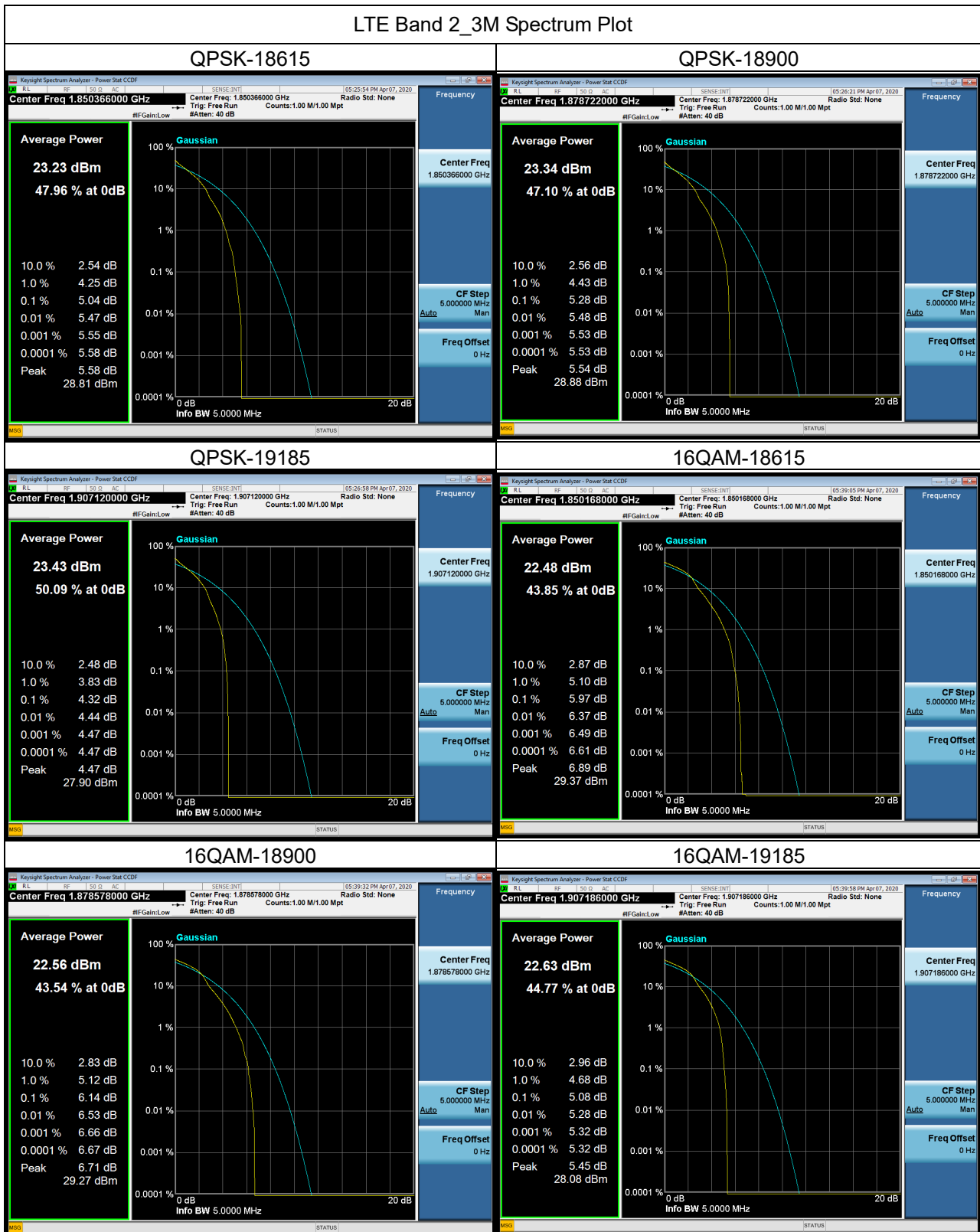
64QAM-19185



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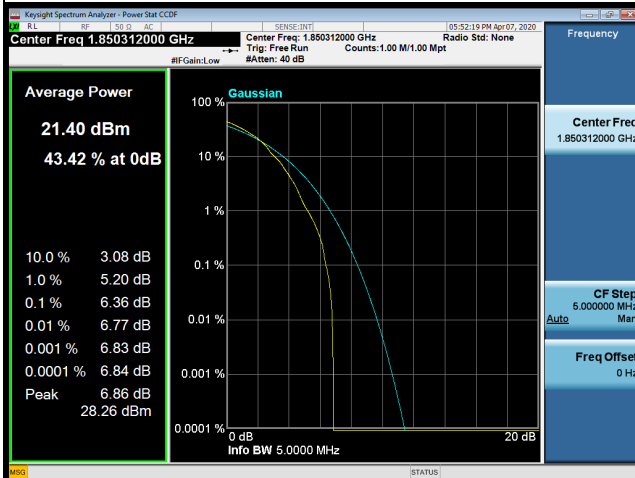
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LTE Band 2_3M Spectrum Plot

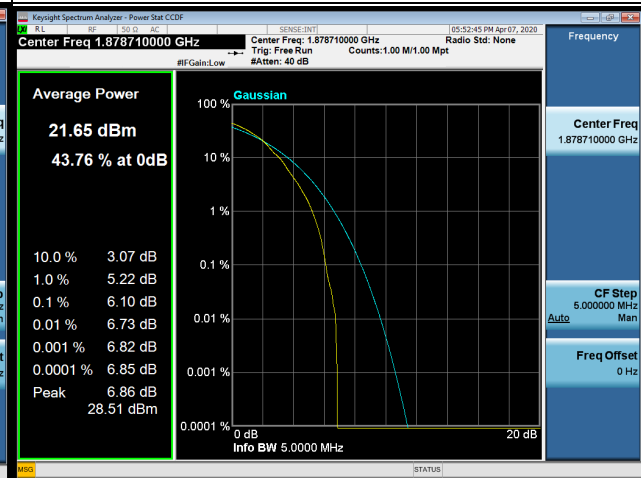


LTE Band 2_3M Spectrum Plot

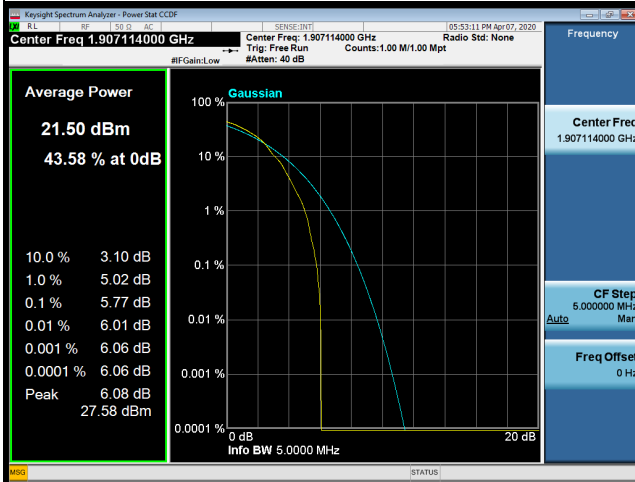
64QAM-18615



64QAM-18900



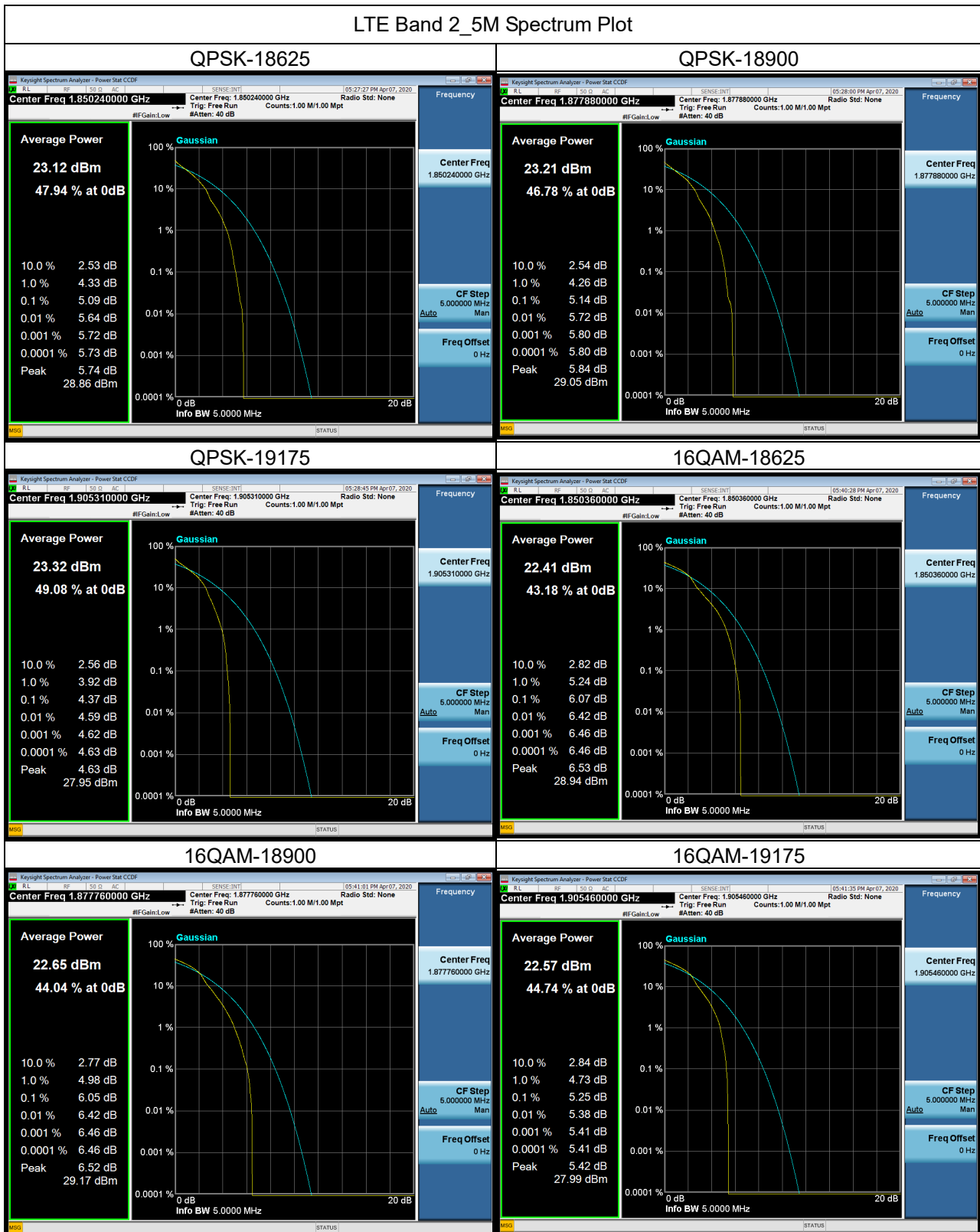
64QAM-19185



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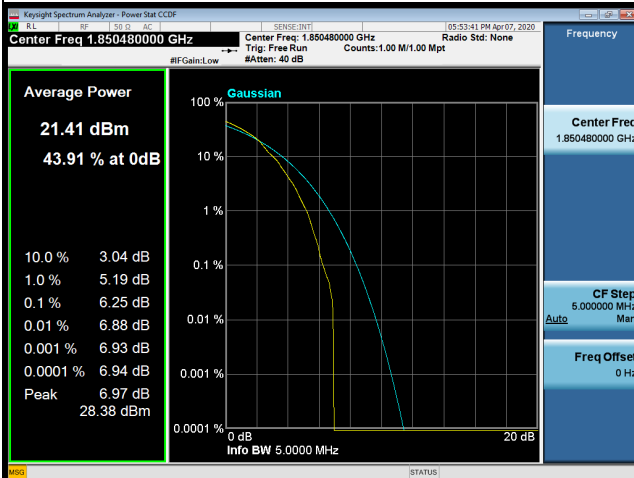
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LTE Band 2_5M Spectrum Plot

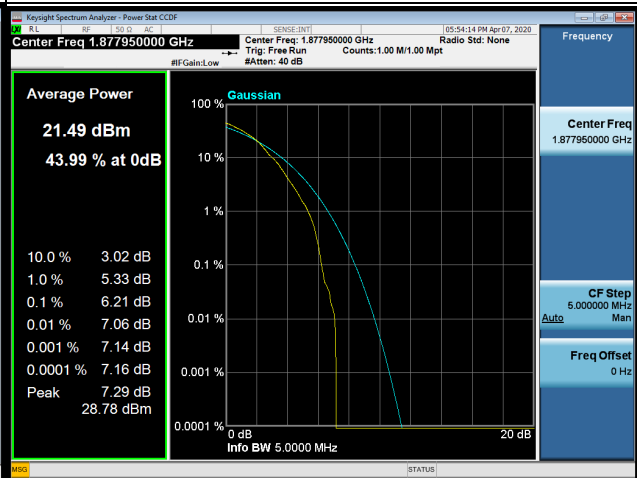


LTE Band 2_5M Spectrum Plot

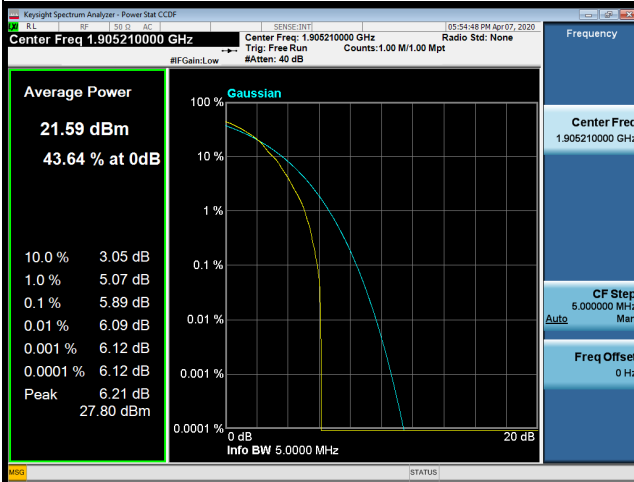
64QAM-18625



64QAM-18900



64QAM-19175

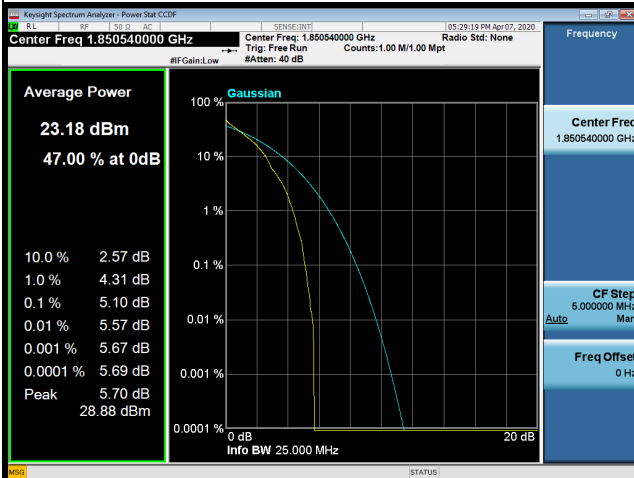


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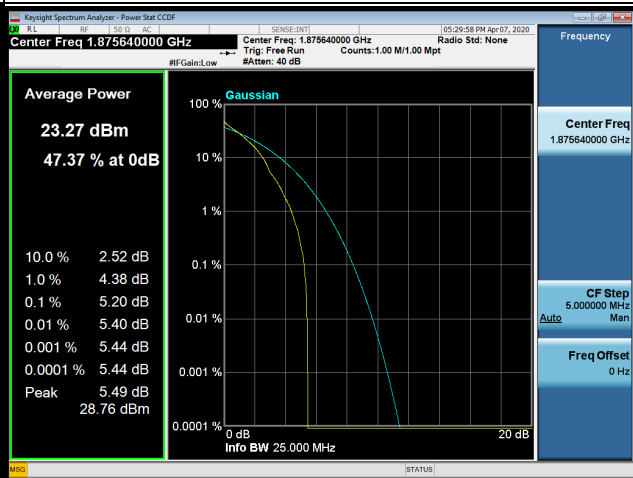
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LTE Band 2_10M Spectrum Plot

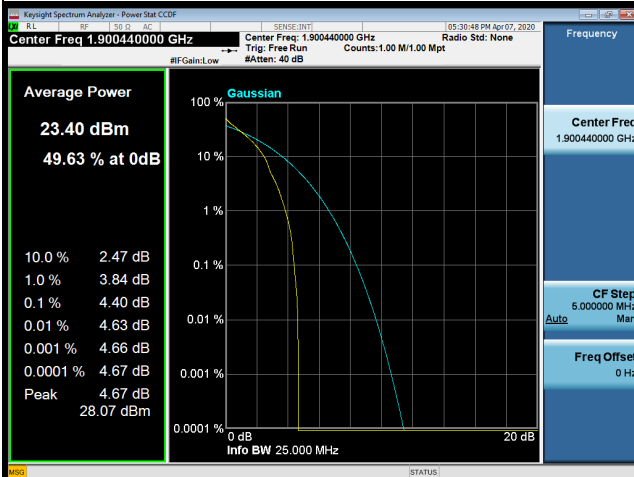
QPSK-18650



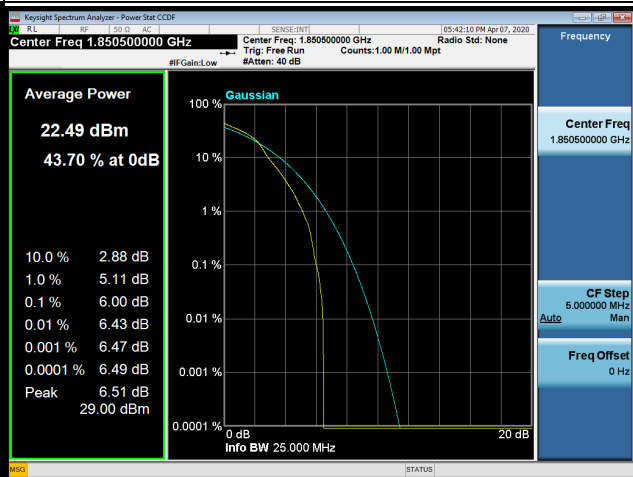
QPSK-18900



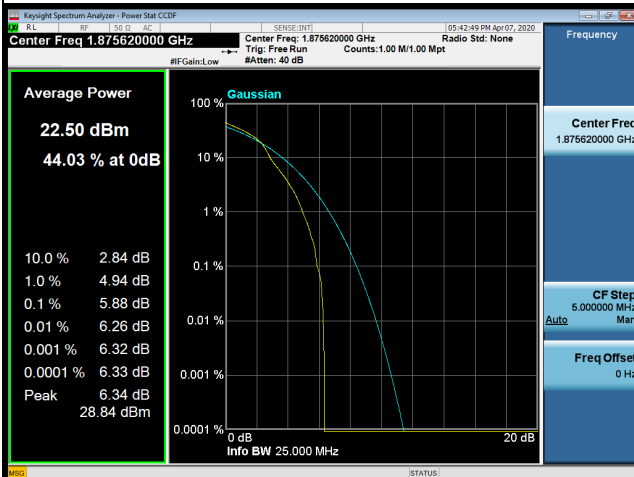
QPSK-19150



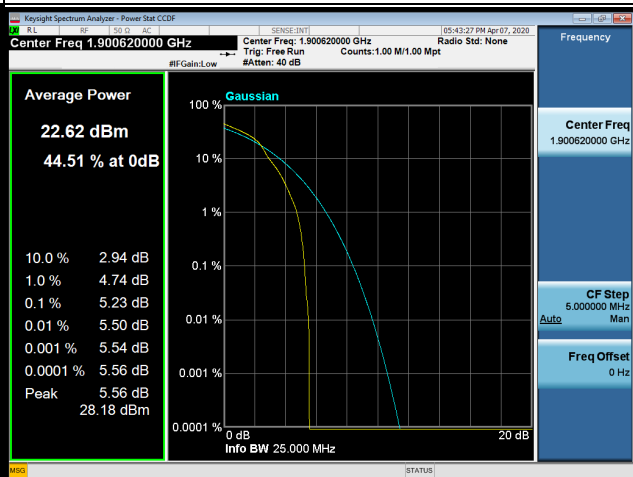
16QAM-18650



16QAM-18900

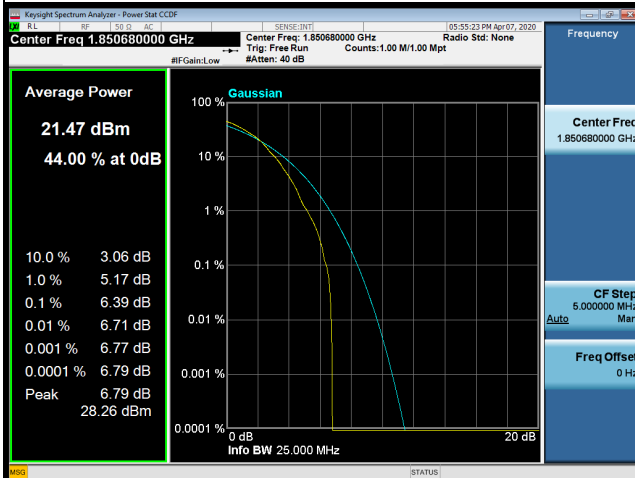


16QAM-19150

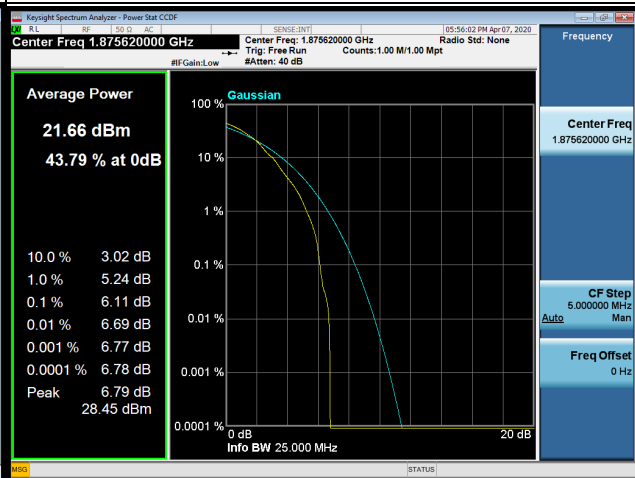


LTE Band 2_10M Spectrum Plot

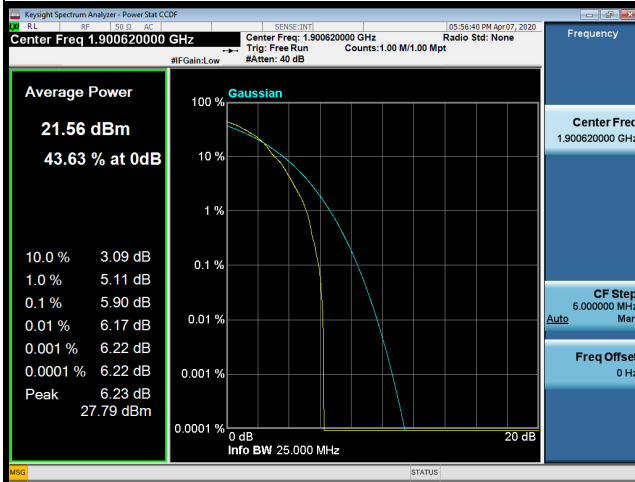
64QAM-18650



64QAM-18900



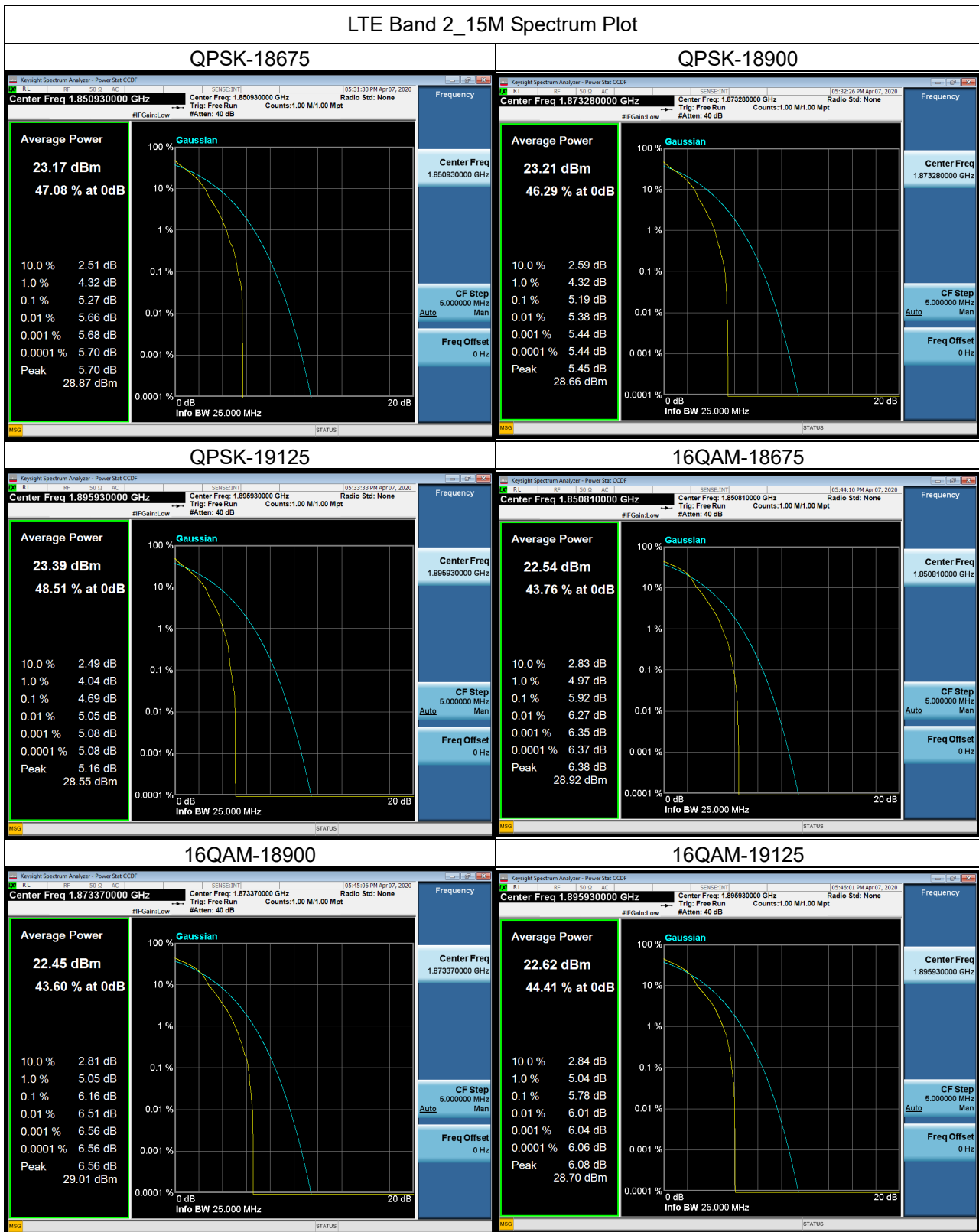
64QAM-19150



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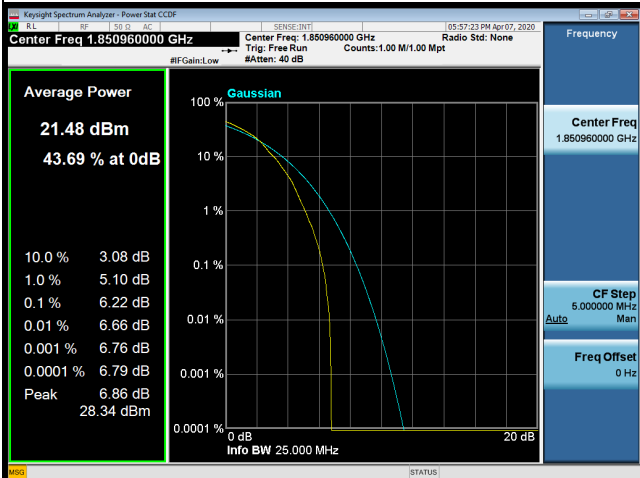
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LTE Band 2_15M Spectrum Plot

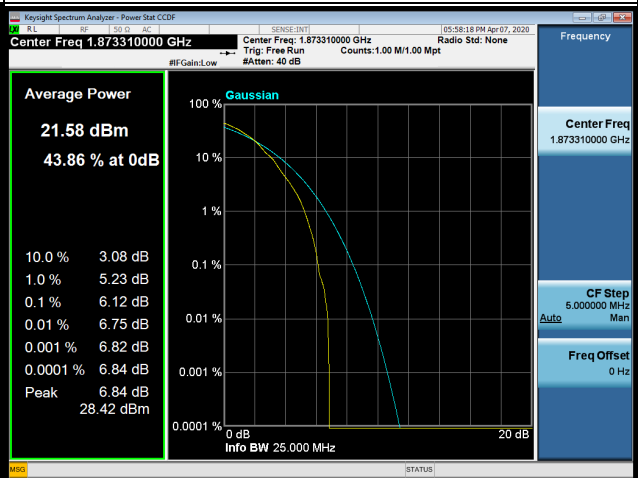


LTE Band 2_15M Spectrum Plot

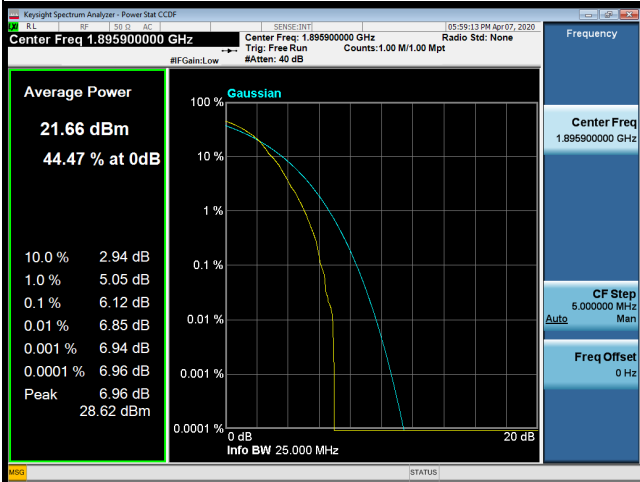
64QAM-18675



64QAM-18900



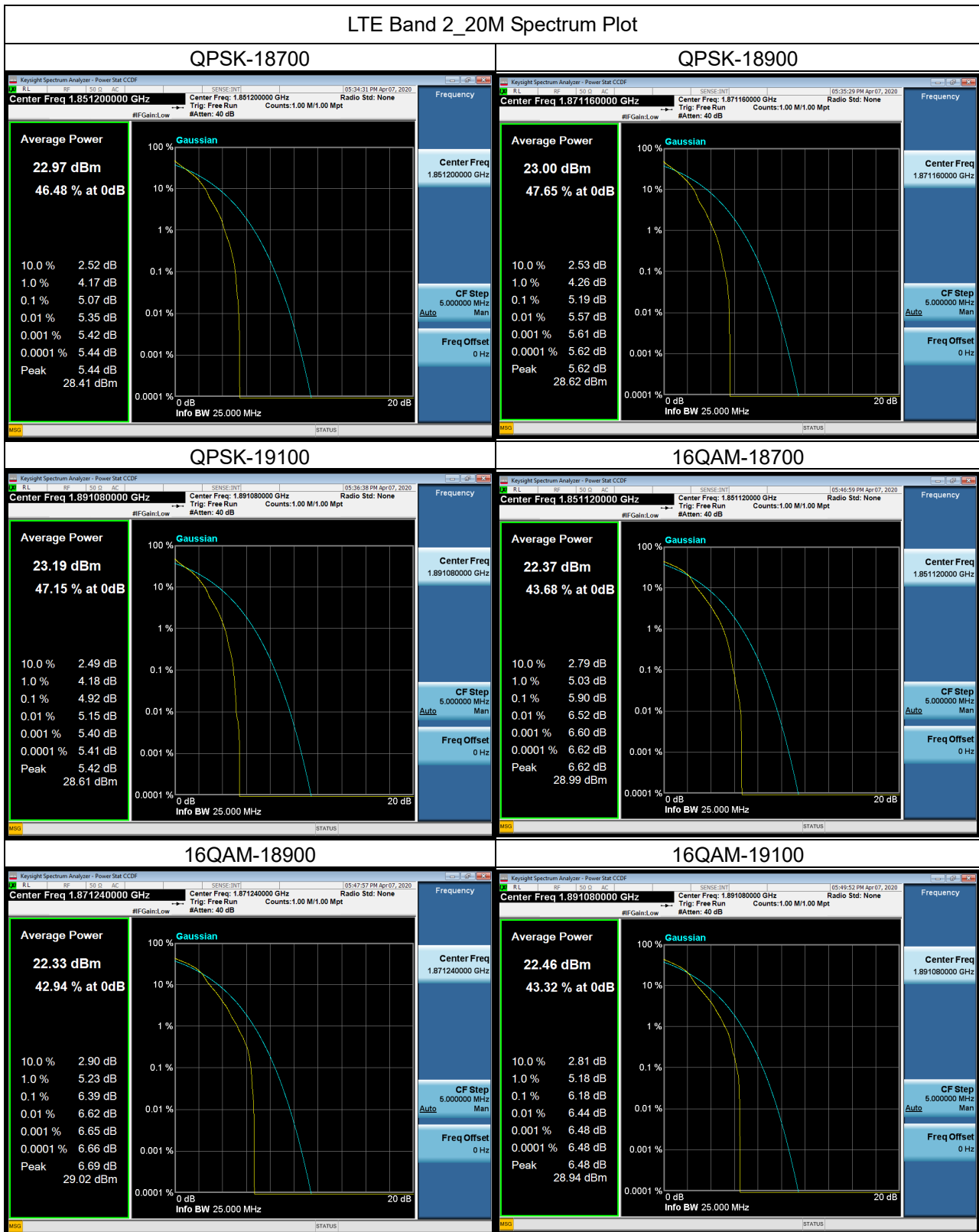
64QAM-19125



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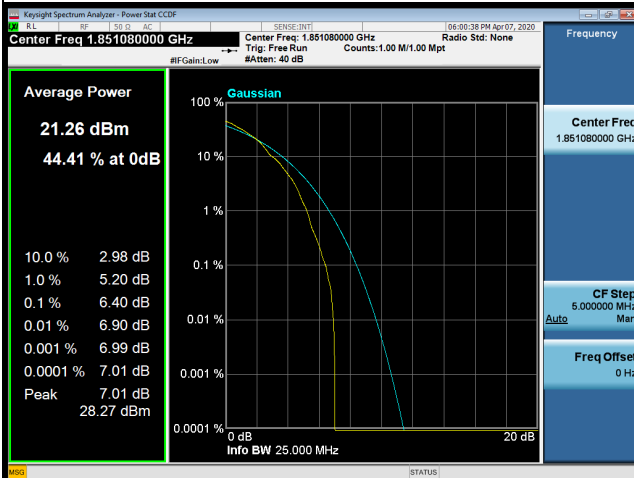
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LTE Band 2_20M Spectrum Plot

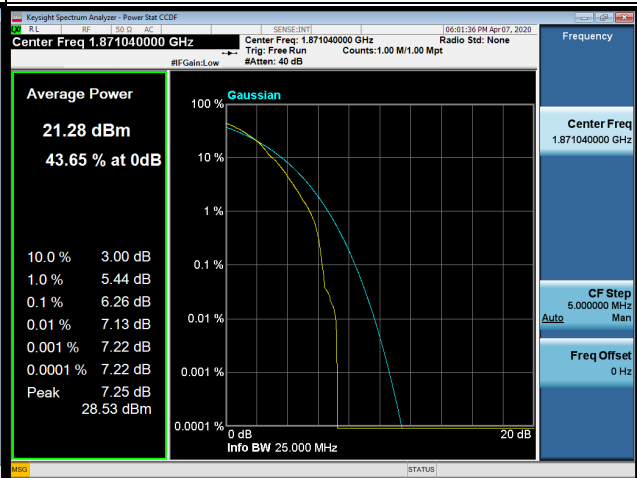


LTE Band 2_20M Spectrum Plot

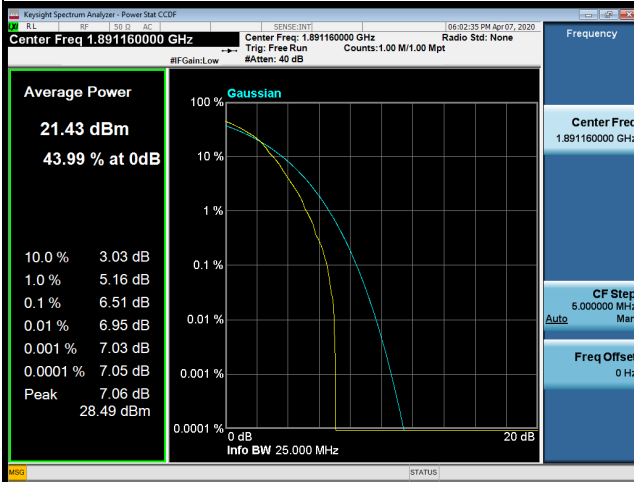
64QAM-18700



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	5.52	0.00293617	± 2.5
10	2.98	0.001585106	
20	5.47	0.002909574	
30	3.83	0.002037234	
35	3.06	0.00162766	
Max. Deviation (ppm)	5.52	0.00293617	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	4.32	0.002297872	± 2.5
3.87	3.54	0.001882979	
3.50	3.21	0.001707447	
Max. Deviation (ppm)	4.32	0.002297872	

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	2.66	0.001414894	± 2.5
10	4.72	0.002510638	
20	1.96	0.001042553	
30	6.47	0.003441489	
35	4.39	0.002335106	
Max. Deviation (ppm)	6.47	0.003441489	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	1.83	0.000973404	± 2.5
3.87	2.62	0.001393617	
3.50	2.99	0.001590426	
Max. Deviation (ppm)	2.99	0.001590426	

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	-3.09	-0.001643617	± 2.5
10	4.89	0.002601064	
20	2.84	0.001510638	
30	2.36	0.001255319	
35	-4.44	-0.002361702	
Max. Deviation (ppm)	4.89	0.002601064	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	-4.93	-0.00262234	± 2.5
3.87	3.14	0.001670213	
3.50	2.56	0.001361702	
Max. Deviation (ppm)	-4.93	-0.00262234	

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	-3.08	-0.001638298	± 2.5
10	4.98	0.002648936	
20	5.72	0.003042553	
30	4.44	0.002361702	
35	-2.24	-0.001191489	
Max. Deviation (ppm)	5.72	0.003042553	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	-2.65	-0.001409574	± 2.5
3.87	3.04	0.001617021	
3.50	1.78	0.000946809	
Max. Deviation (ppm)	3.04	0.001617021	

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	-2.27	-0.001207447	± 2.5
10	-4.14	-0.002202128	
20	3.46	0.001840426	
30	3.27	0.001739362	
35	1.48	0.000787234	
Max. Deviation (ppm)	-4.14	-0.002202128	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	-2.71	-0.001441489	± 2.5
3.87	-3.55	-0.001888298	
3.50	2.12	0.00112766	
Max. Deviation (ppm)	-3.55	-0.001888298	

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	2.47	0.00131383	± 2.5
10	-1.29	-0.00068617	
20	-2.08	-0.001106383	
30	3.04	0.001617021	
35	2.93	0.001558511	
Max. Deviation (ppm)	3.04	0.001617021	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	-2.33	-0.001239362	± 2.5
3.87	5.53	0.002941489	
3.50	1.71	0.000909574	
Max. Deviation (ppm)	5.53	0.002941489	

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	3.43	0.001824468	± 2.5
10	1.51	0.000803191	
20	5.76	0.00306383	
30	5.83	0.003101064	
35	-2.30	-0.001223404	
Max. Deviation (ppm)	5.83	0.003101064	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	4.45	0.002367021	± 2.5
3.87	-2.57	-0.001367021	
3.50	-2.16	-0.001148936	
Max. Deviation (ppm)	4.45	0.002367021	

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	3.17	0.00168617	± 2.5
10	-1.42	-0.000755319	
20	4.43	0.002356383	
30	1.84	0.000978723	
35	-4.44	-0.002361702	
Max. Deviation (ppm)	-4.44	-0.002361702	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.45	-1.62	-0.000861702	± 2.5
3.87	4.84	0.002574468	
3.50	-1.37	-0.000728723	
Max. Deviation (ppm)	4.84	0.002574468	

End of Test Report