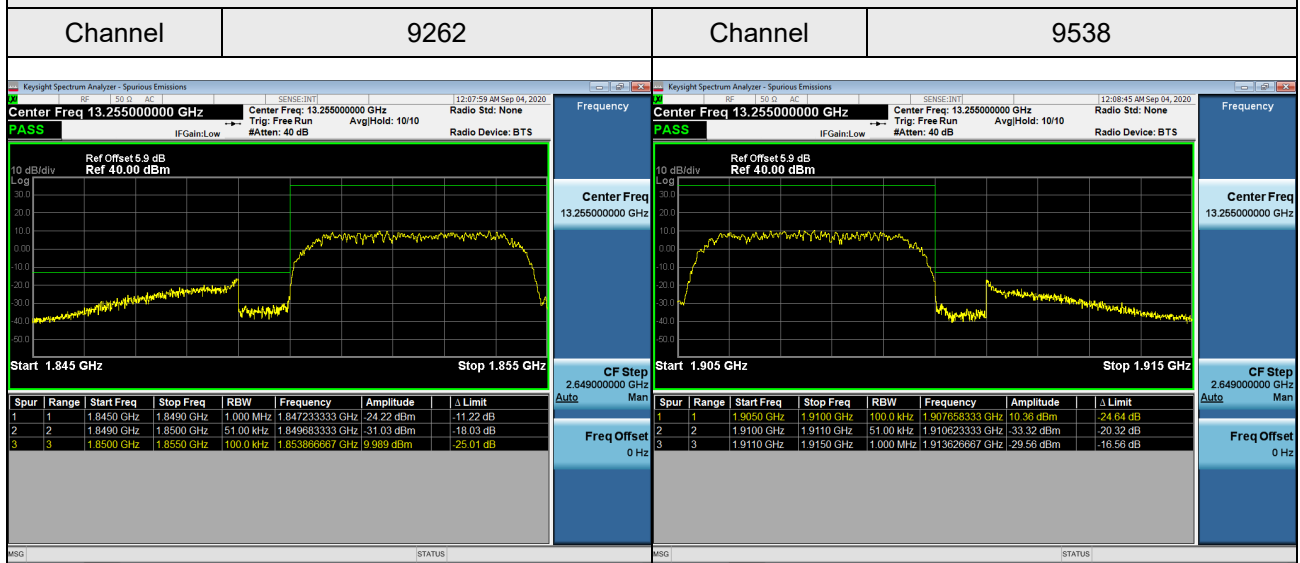
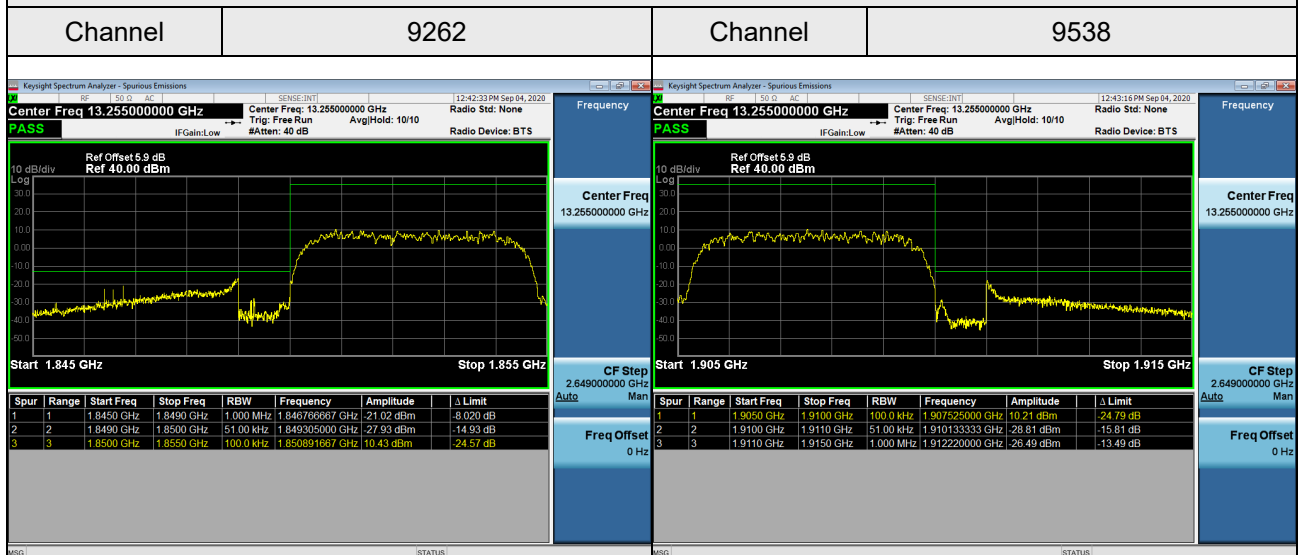


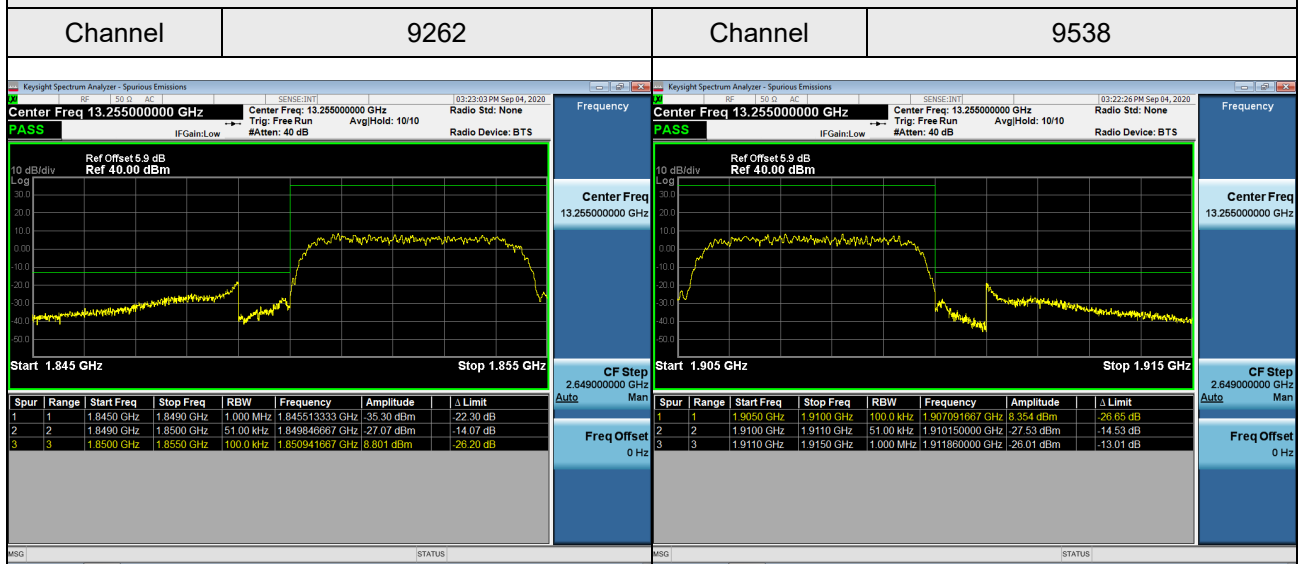
WCDMA Band II_WCDMA Spectrum Plot



WCDMA Band II_HSDPA Spectrum Plot



WCDMA Band II_HSUPA Spectrum Plot



LTE Band 2_1.4M Spectrum Plot

1RB#0

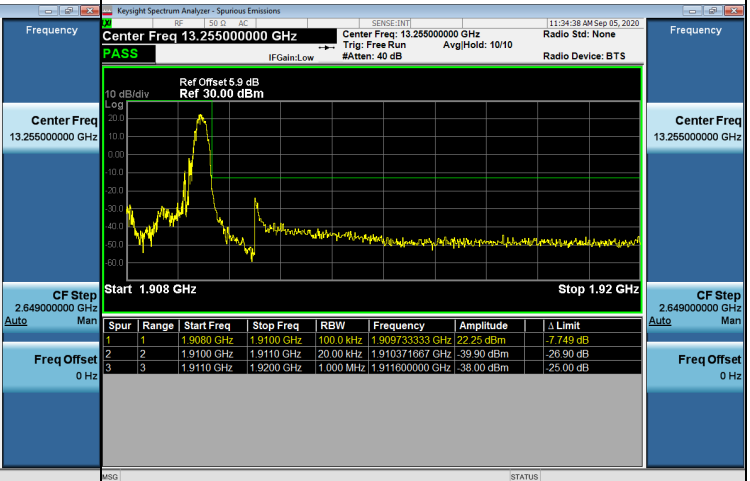
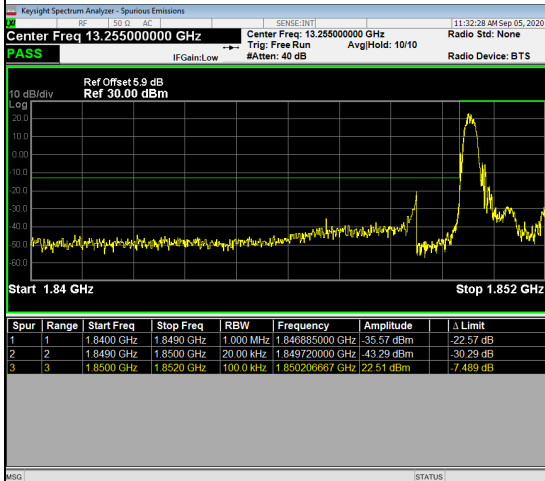
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Channel

18607

Channel

19193



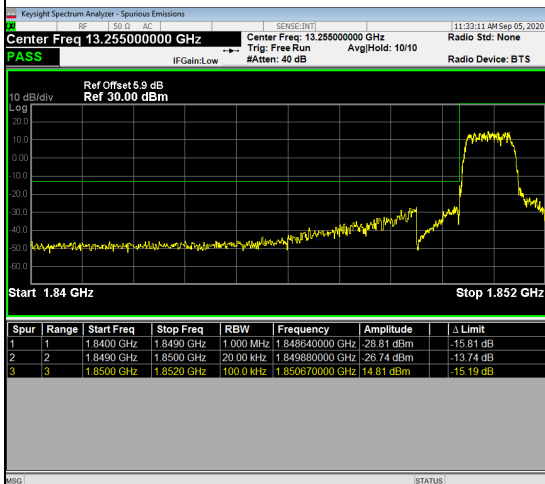
6RB#0

Channel

18607

Channel

19193



LTE Band 2_3M Spectrum Plot

1RB#0

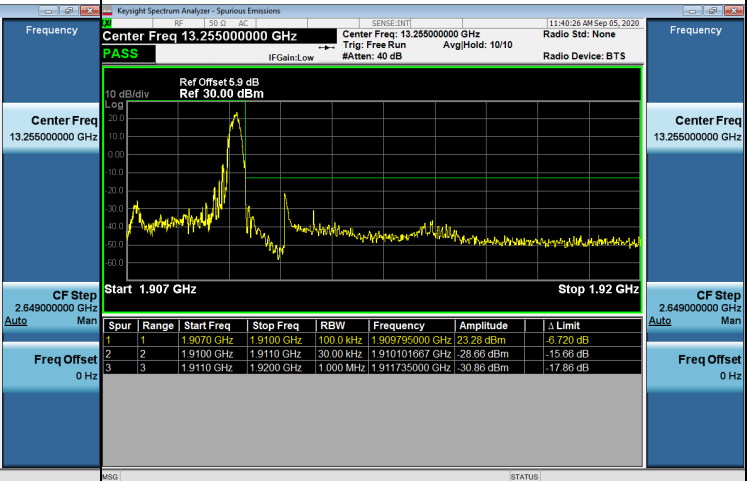
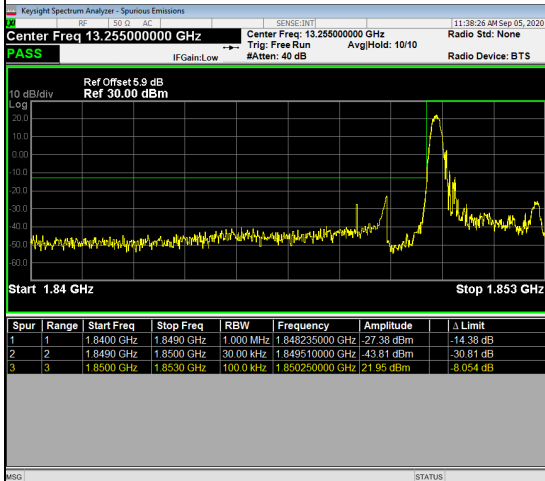
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Channel

18615

Channel

19185



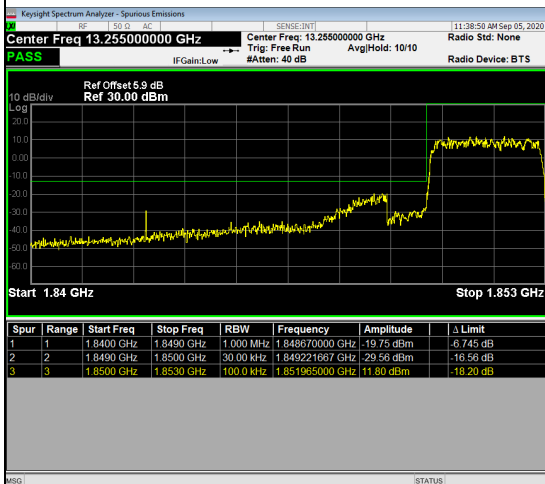
15RB#0

Channel

18615

Channel

19185



LTE Band 2_5M Spectrum Plot

1RB#0

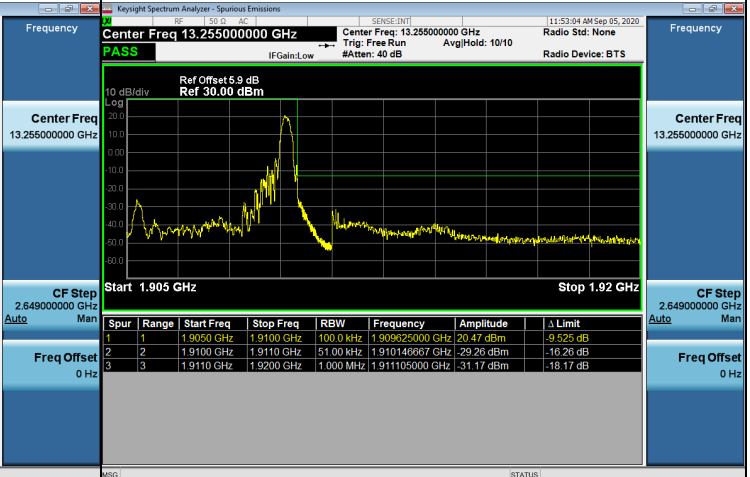
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Channel

18625

Channel

19175



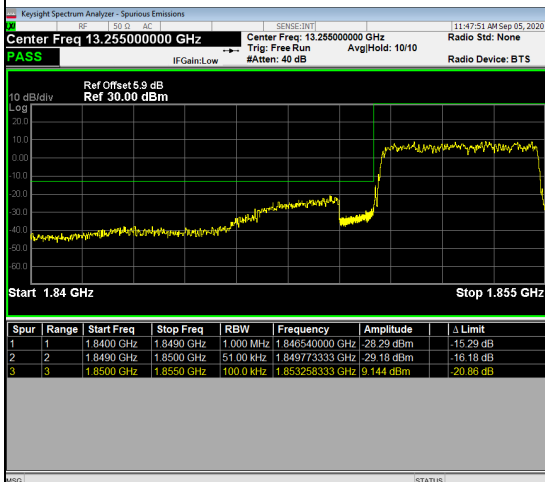
25RB#0

Channel

18625

Channel

19175



LTE Band 2_10M Spectrum Plot

1RB#0

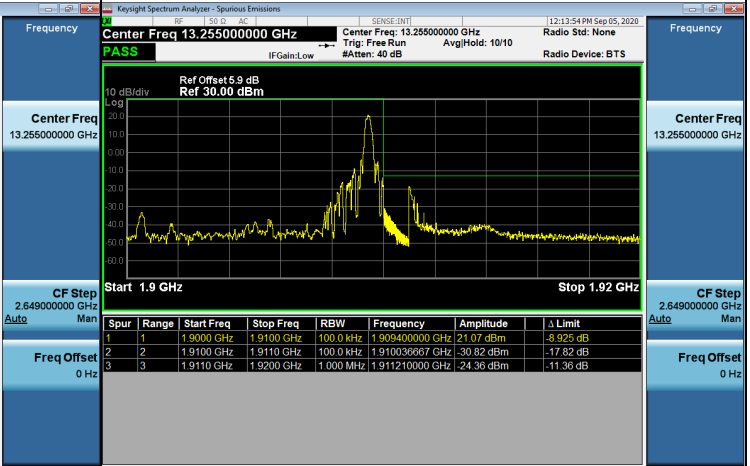
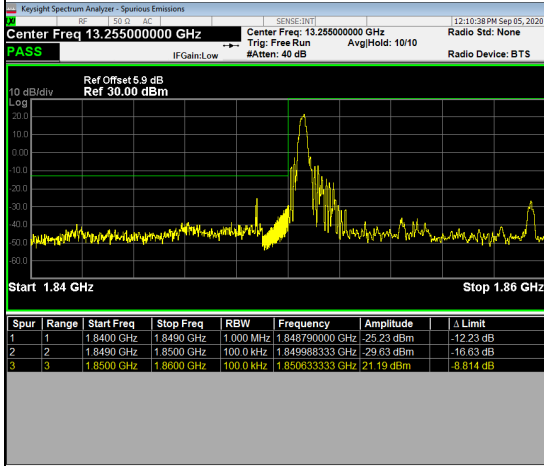
1RB#49

Channel

18650

Channel

19150



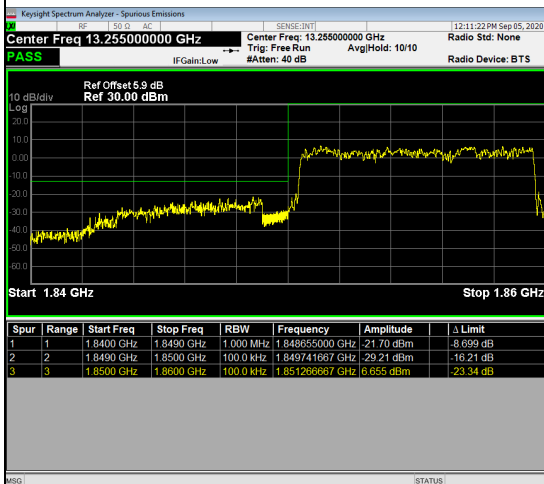
50RB#0

Channel

18650

Channel

19150



LTE Band 2_15M Spectrum Plot

1RB#0

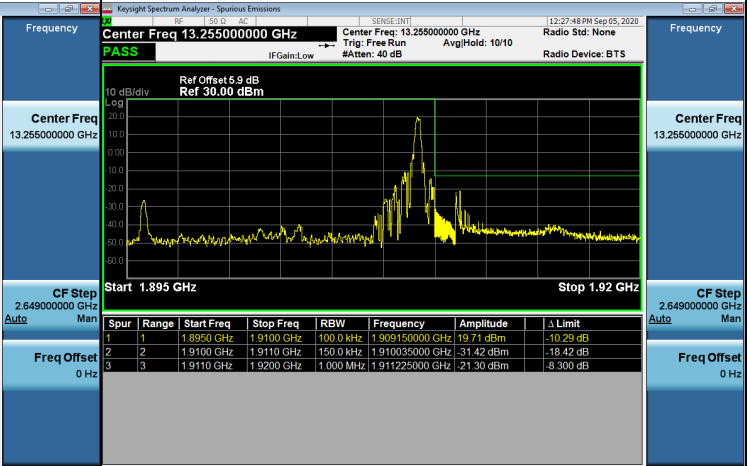
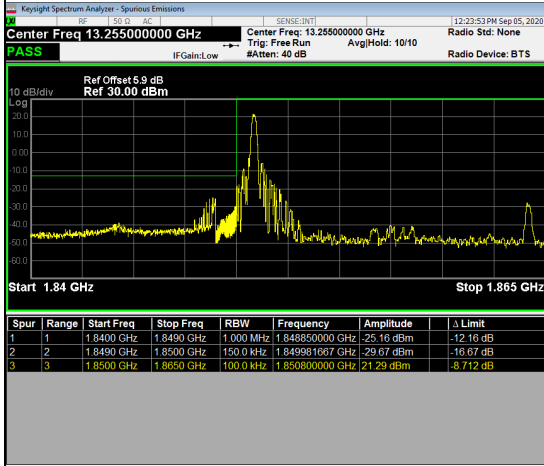
1RB#74

Channel

18675

Channel

19125



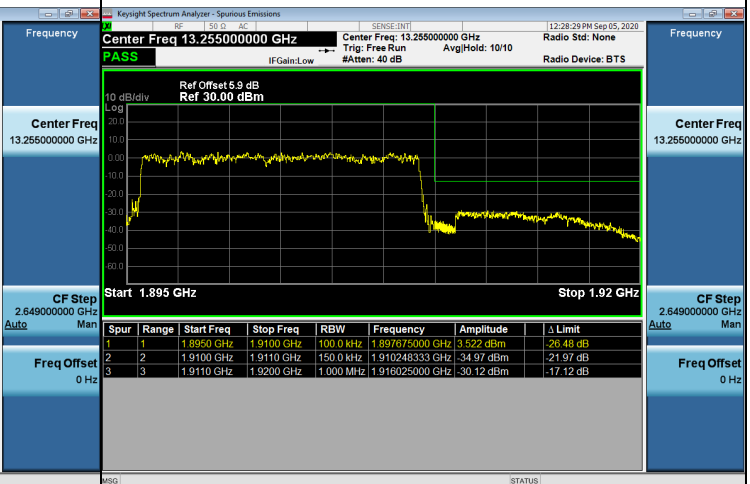
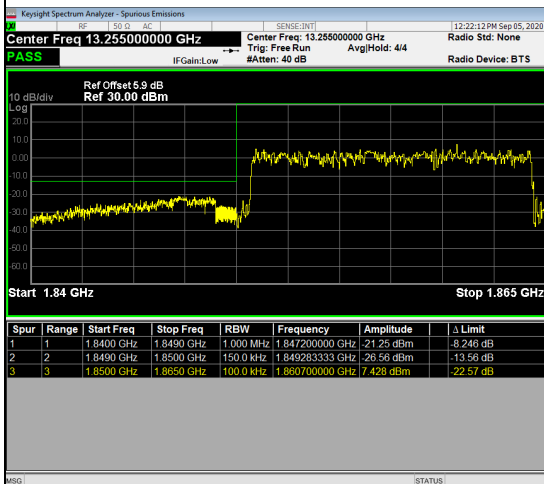
75RB#0

Channel

18675

Channel

19125



LTE Band 2_20M Spectrum Plot

1RB#0

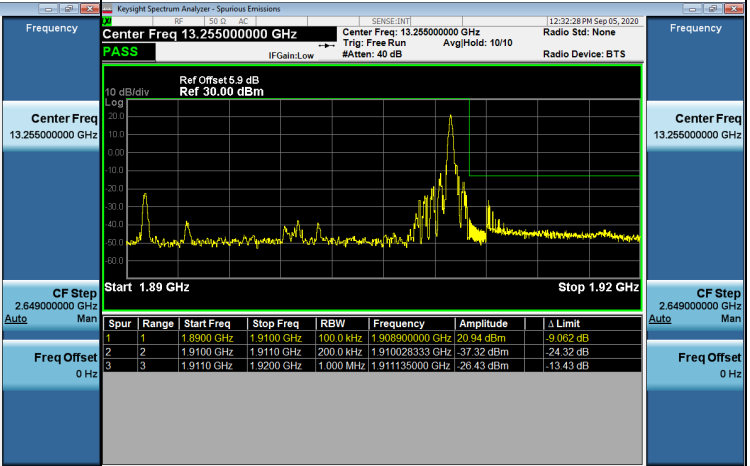
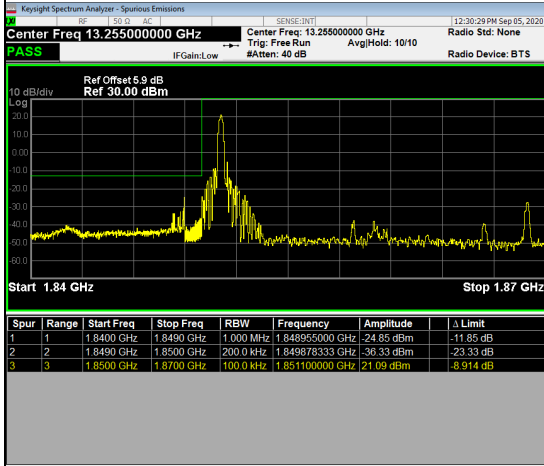
1RB#99

Channel

18700

Channel

19100



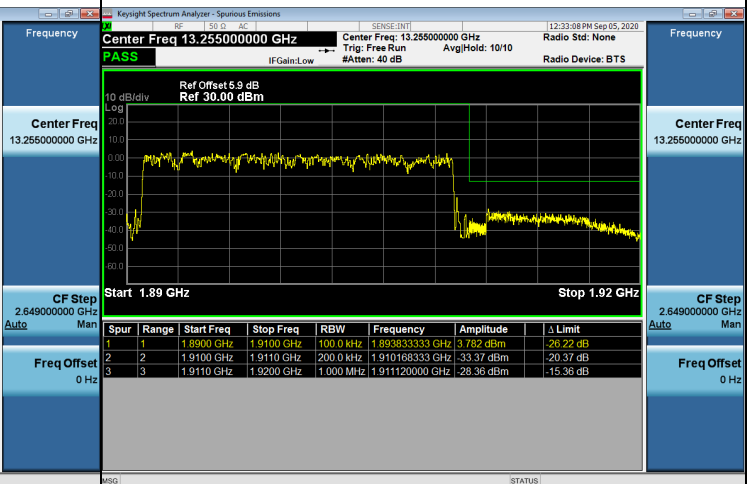
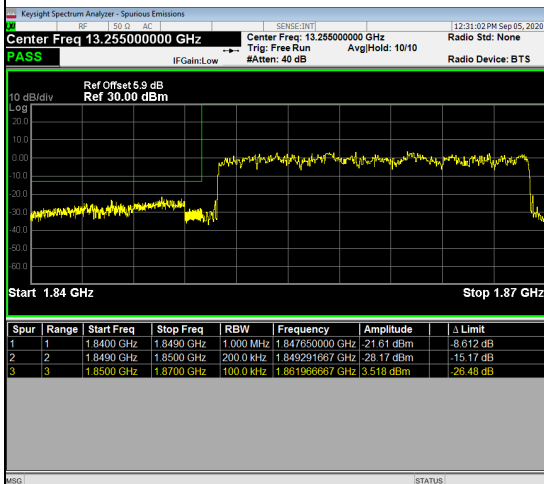
100RB#0

Channel

18700

Channel

19100



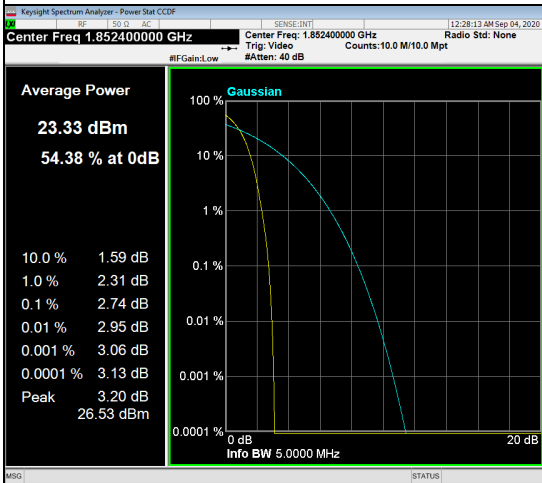
APPENDIX H - PEAK TO AVERAGE RATIO

PCS1900 Spectrum Plot

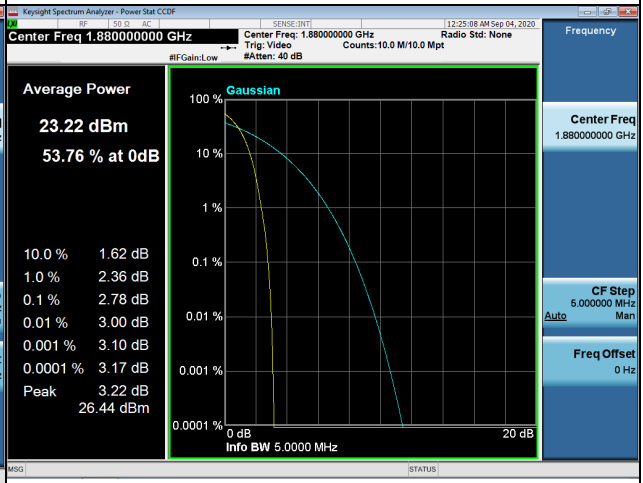


WCDMA Band II_WCDMA Spectrum Plot

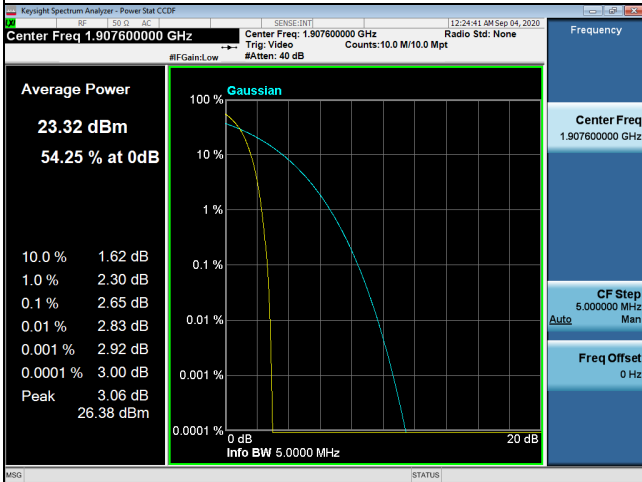
9262



9400



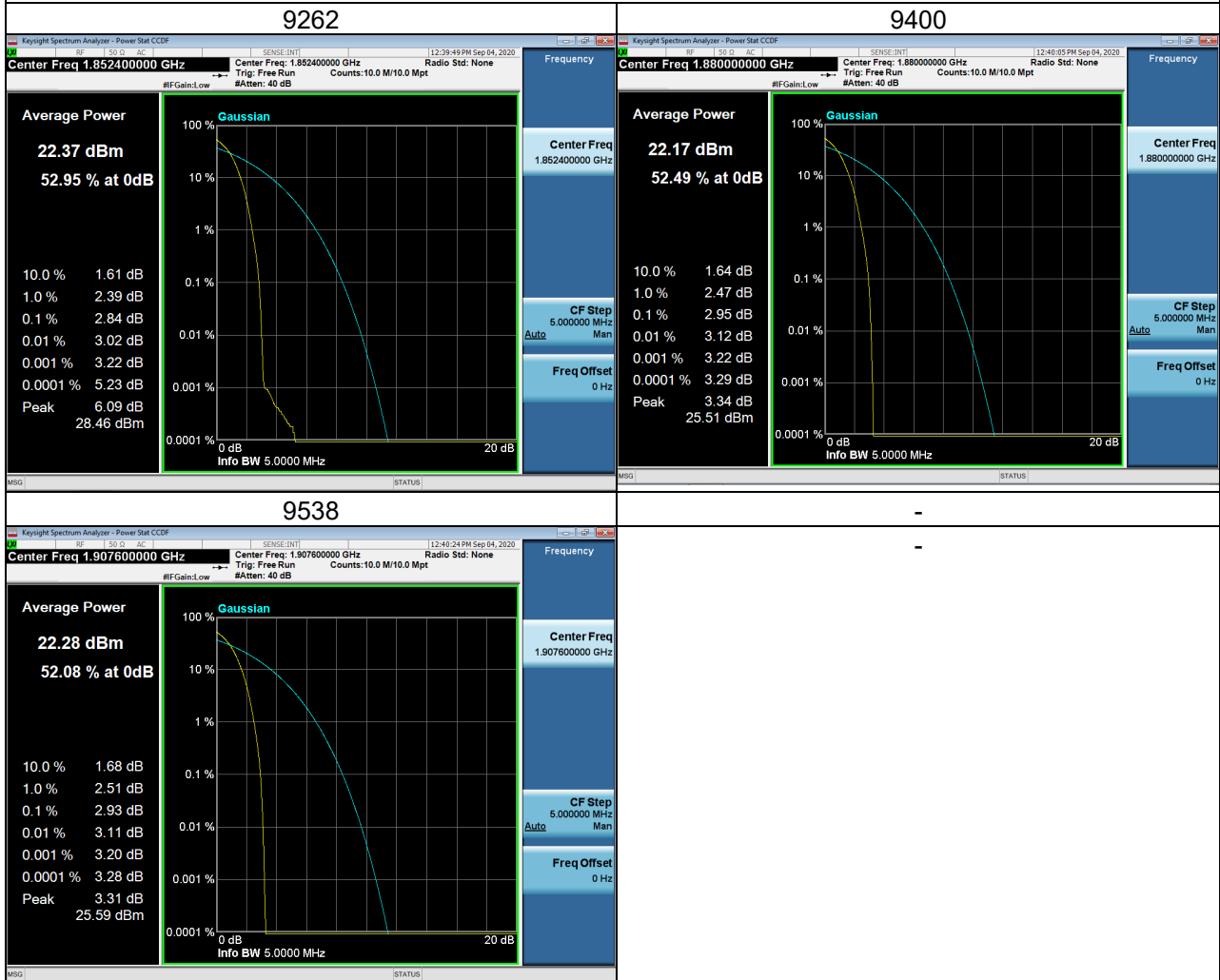
9538



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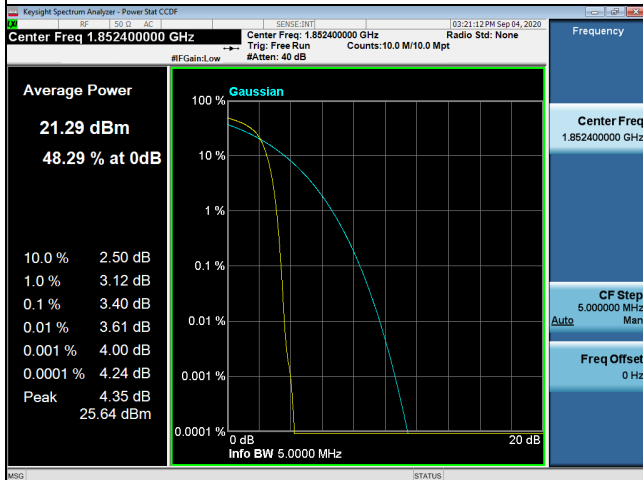
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WCDMA Band II_HSDPA Spectrum Plot

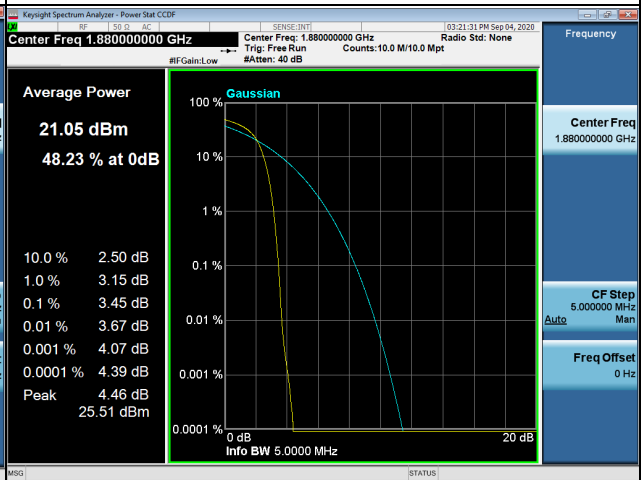


WCDMA Band II_HSUPA Spectrum Plot

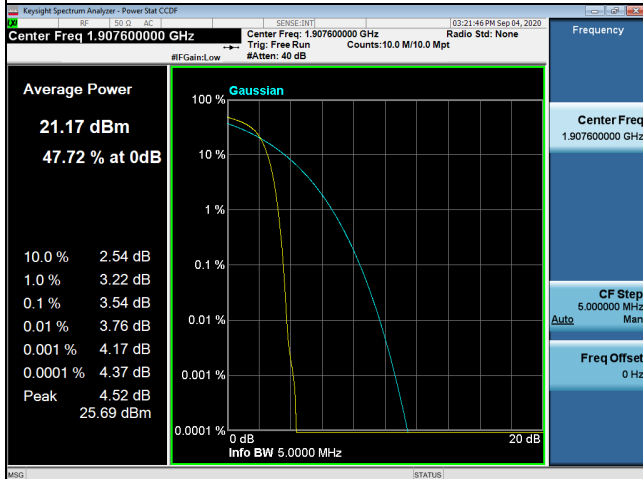
9262



9400



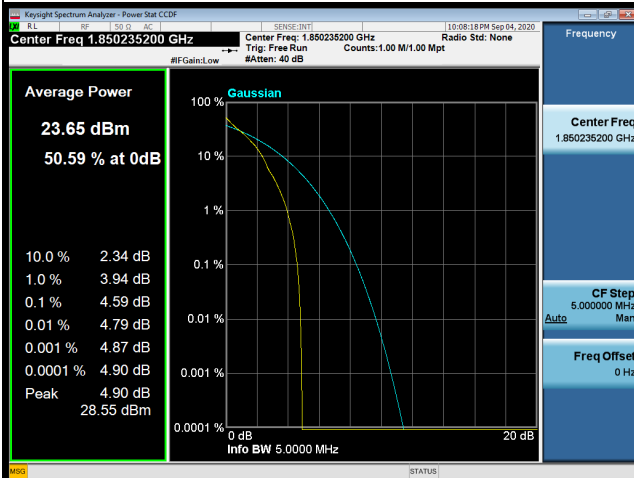
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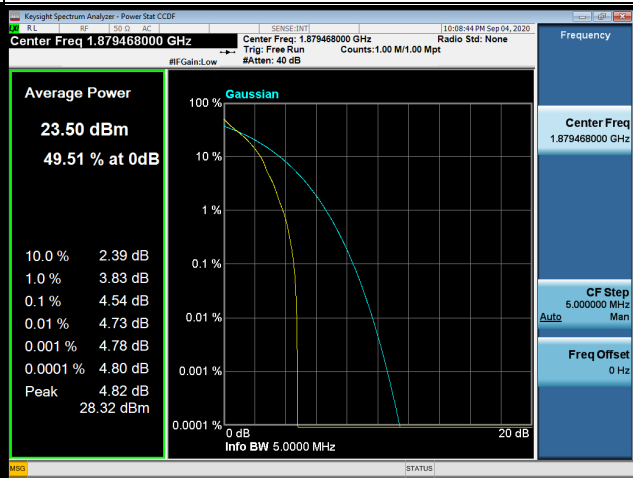
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LTE Band 2_1.4M Spectrum Plot

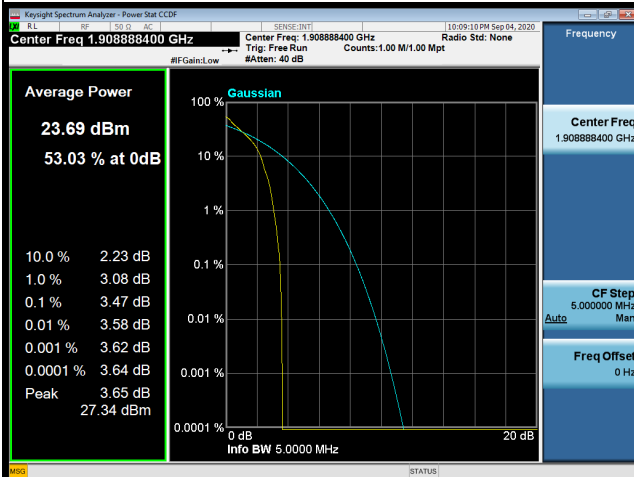
QPSK-18607



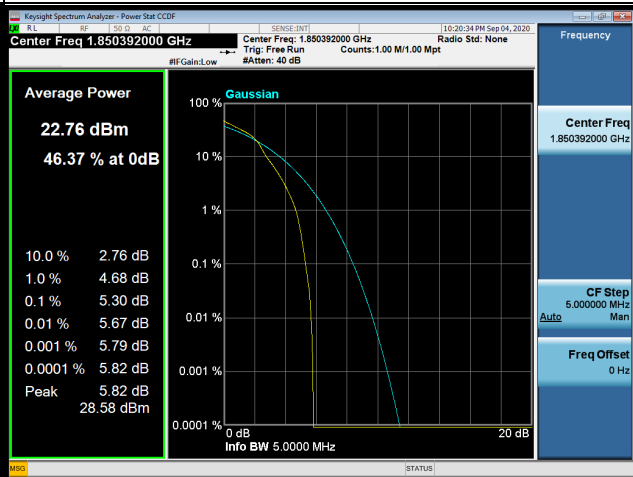
QPSK-18900



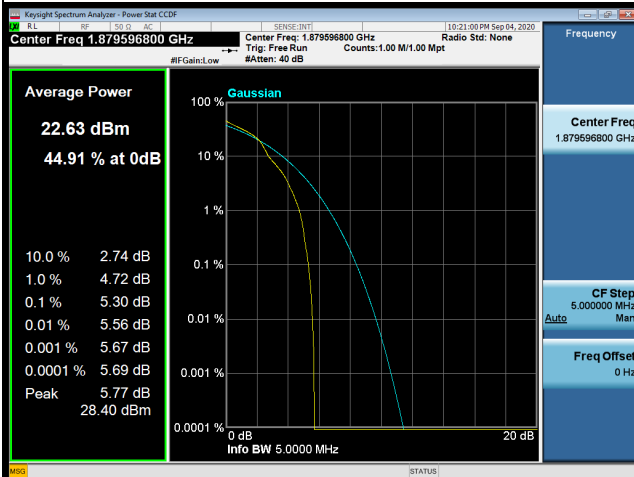
QPSK-19193



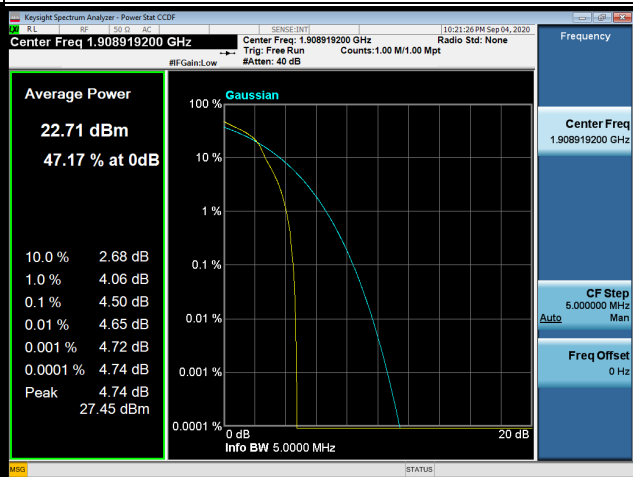
16QAM-18607



16QAM-18900

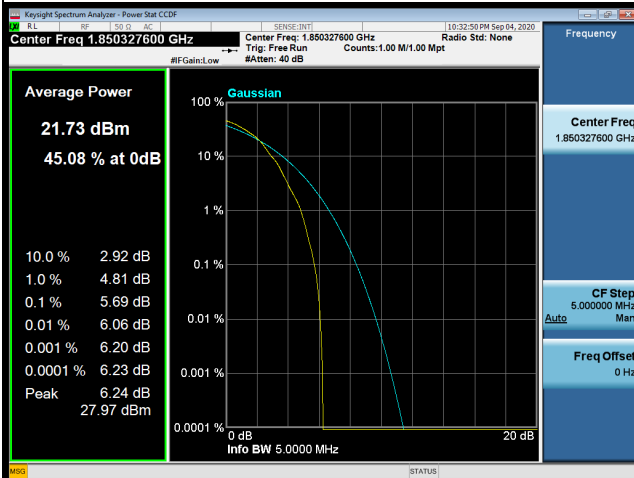


16QAM-19193



LTE Band 2_1.4M Spectrum Plot

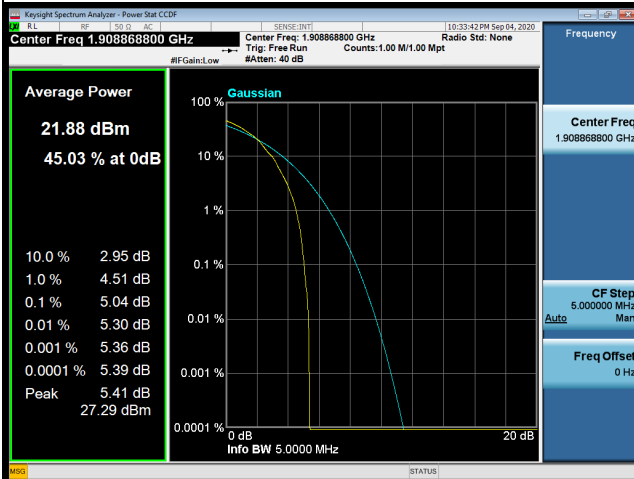
64QAM-18615



64QAM-18900



64QAM-19185

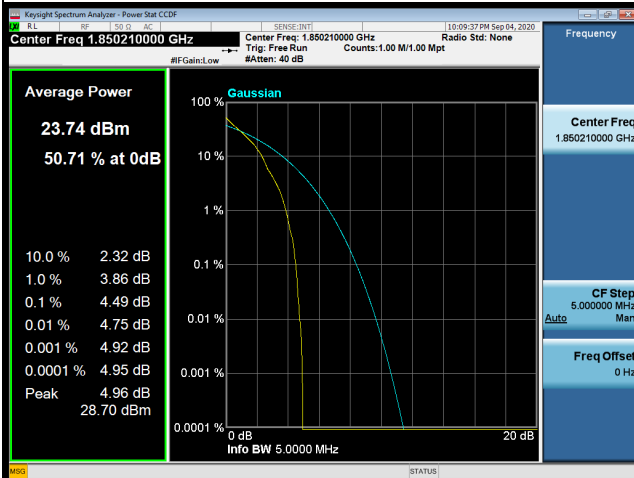


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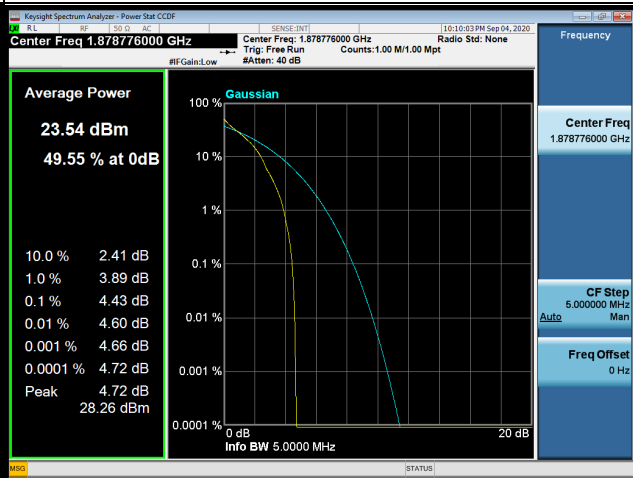
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LTE Band 2_3M Spectrum Plot

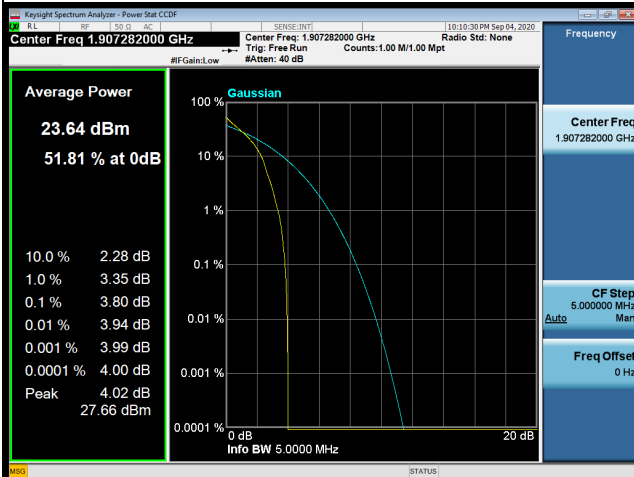
QPSK-18615



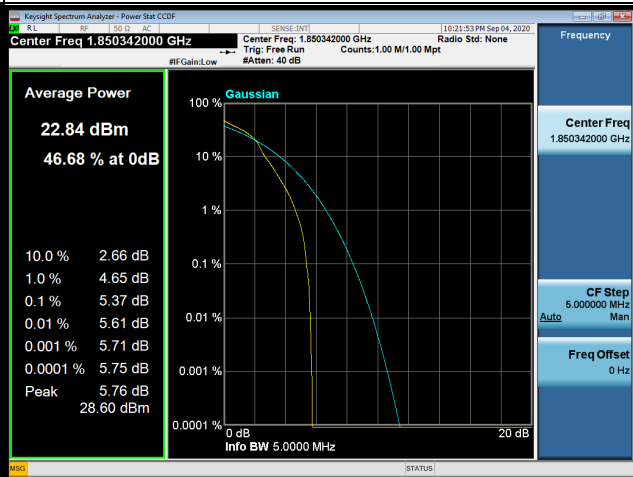
QPSK-18900



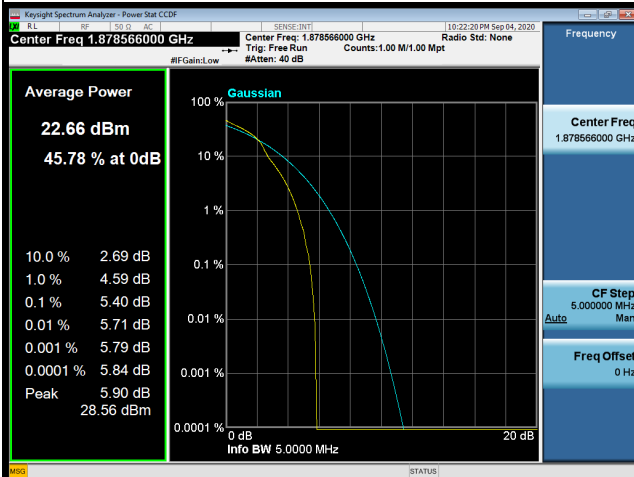
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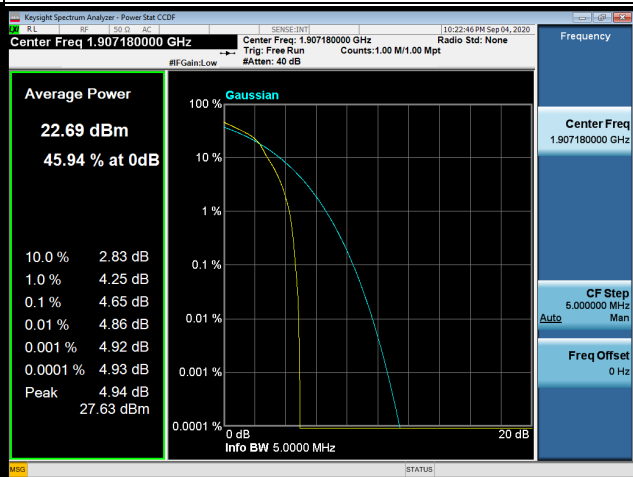
16QAM-18615



16QAM-18900

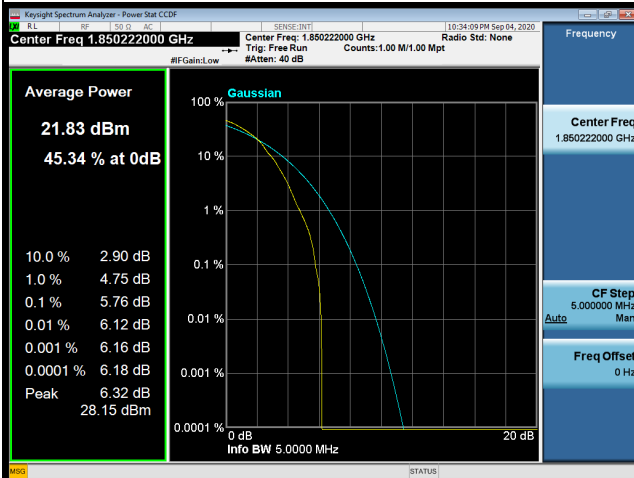


16QAM-19185



LTE Band 2_3M Spectrum Plot

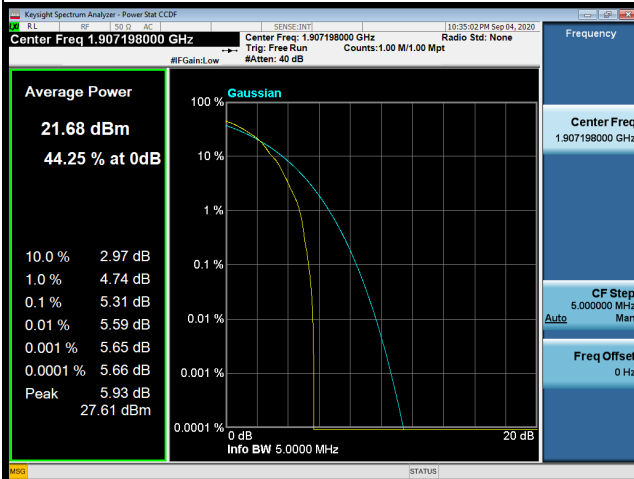
64QAM-18615



64QAM-18900



64QAM-19185

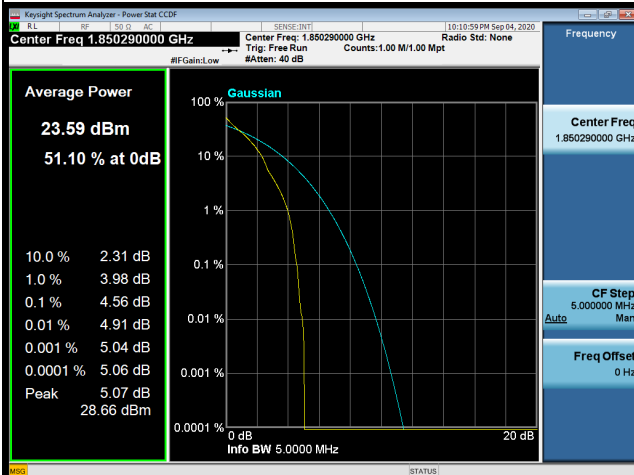


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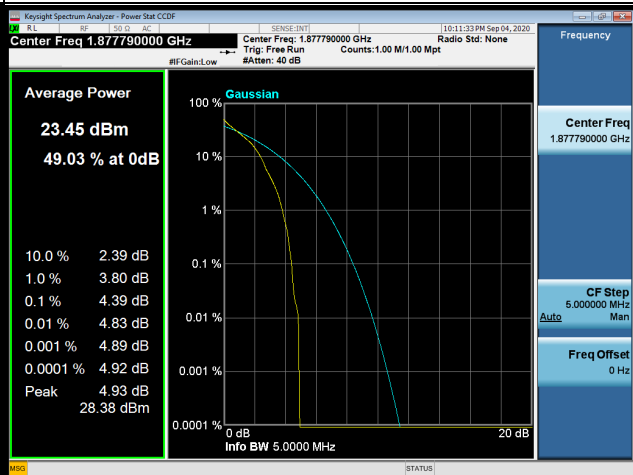
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LTE Band 2_5M Spectrum Plot

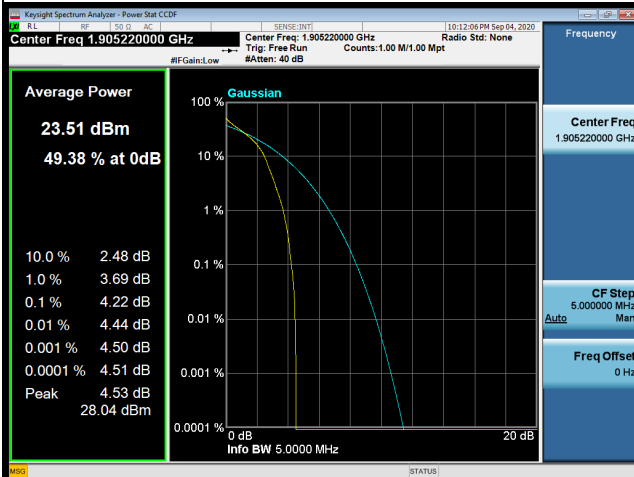
QPSK-18625



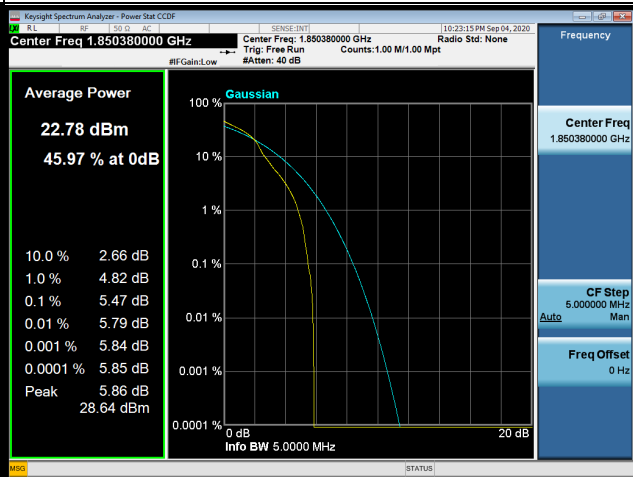
QPSK-18900



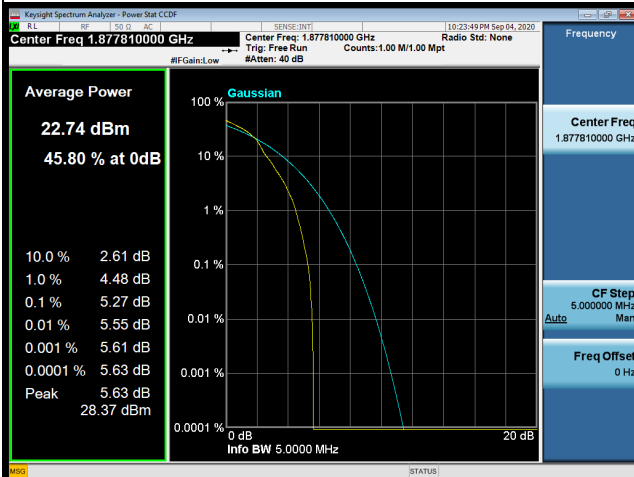
QPSK-19175



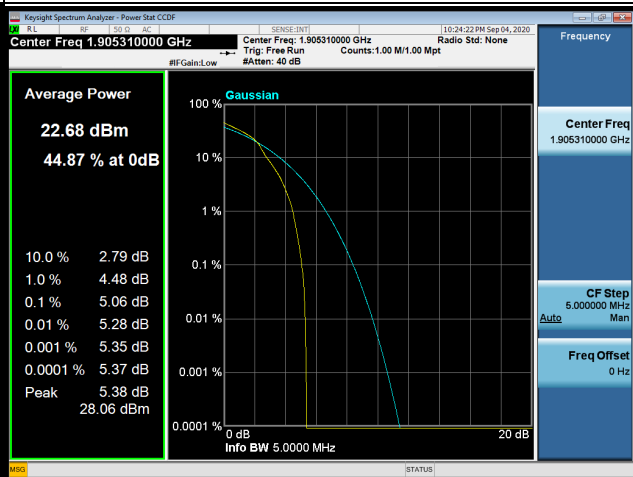
16QAM-18625



16QAM-18900

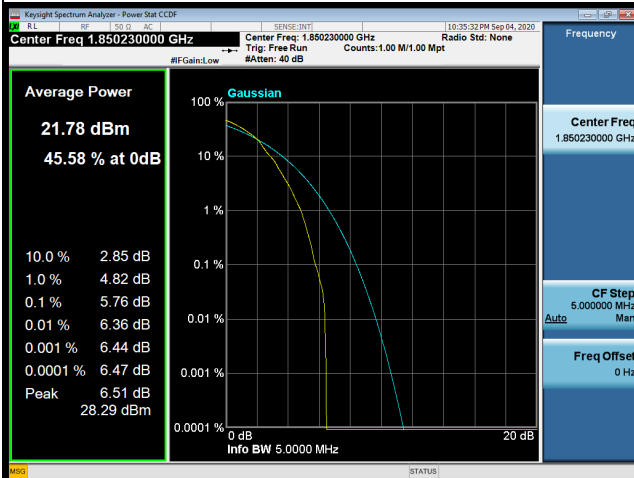


16QAM-19175

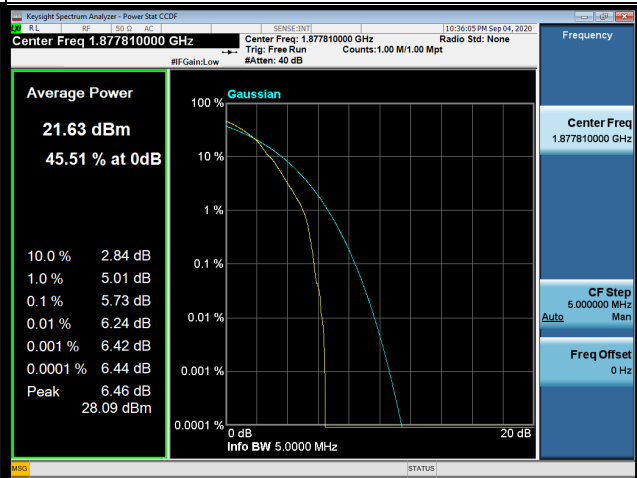


LTE Band 2_5M Spectrum Plot

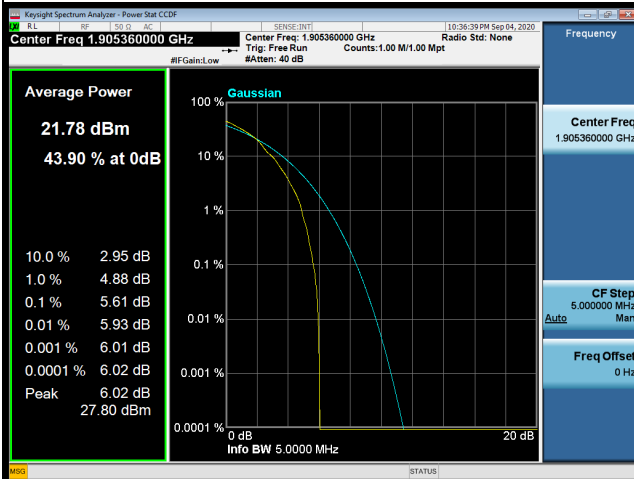
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64QAM-18900

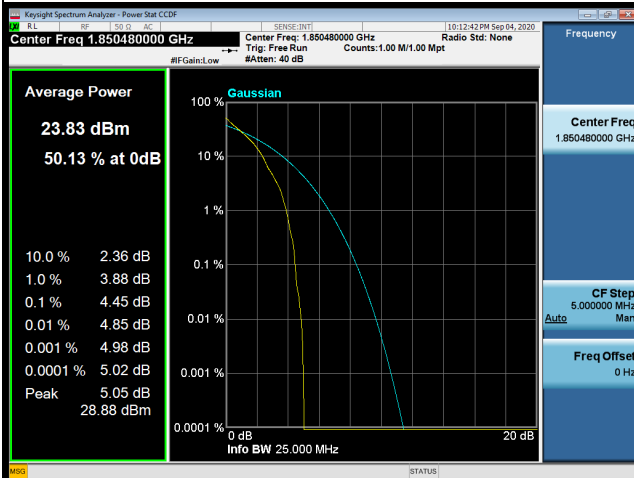


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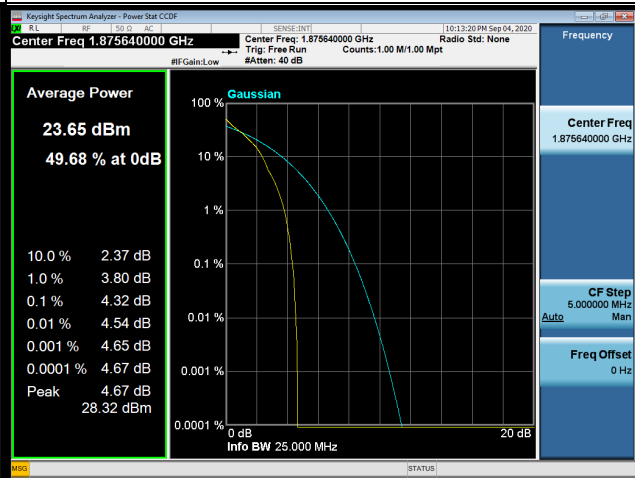


LTE Band 2_10M Spectrum Plot

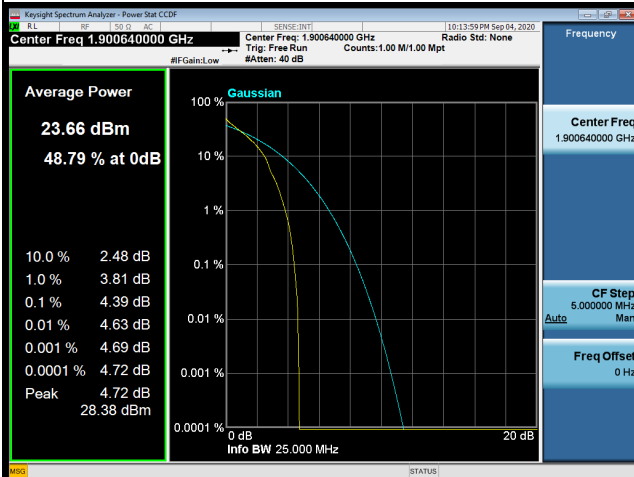
QPSK-18650



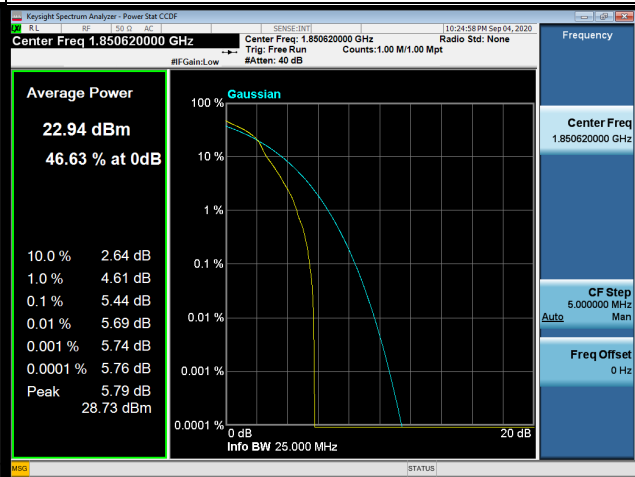
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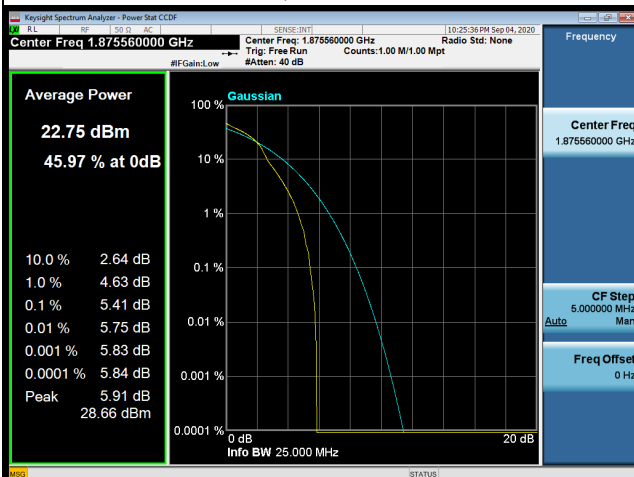
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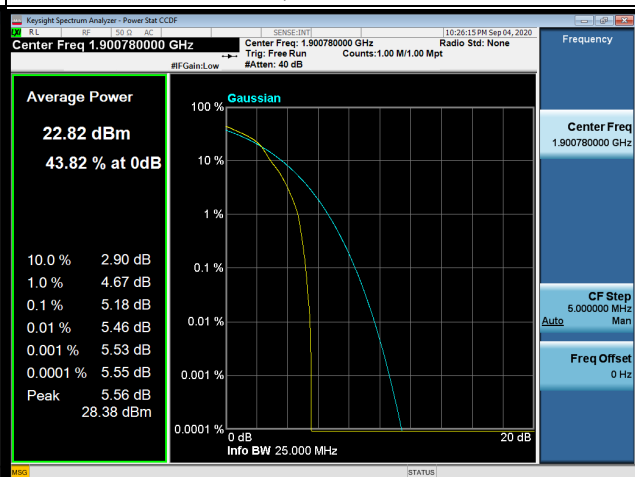
16QAM-18650



16QAM-18900

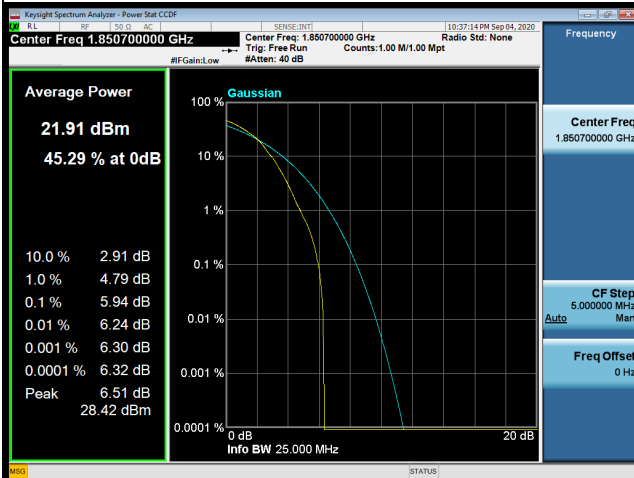


16QAM-19150

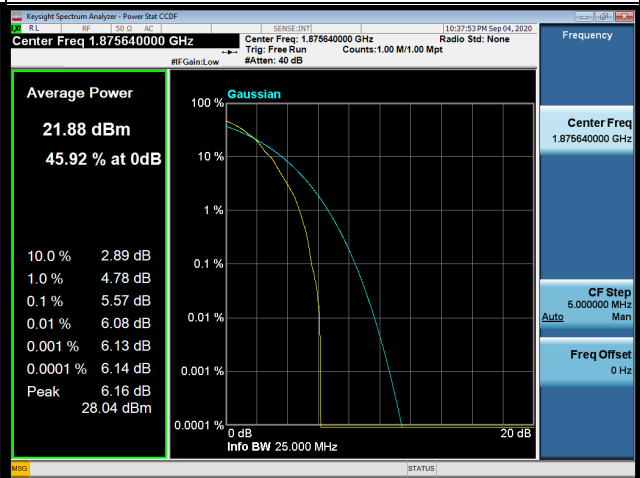


LTE Band 2_10M Spectrum Plot

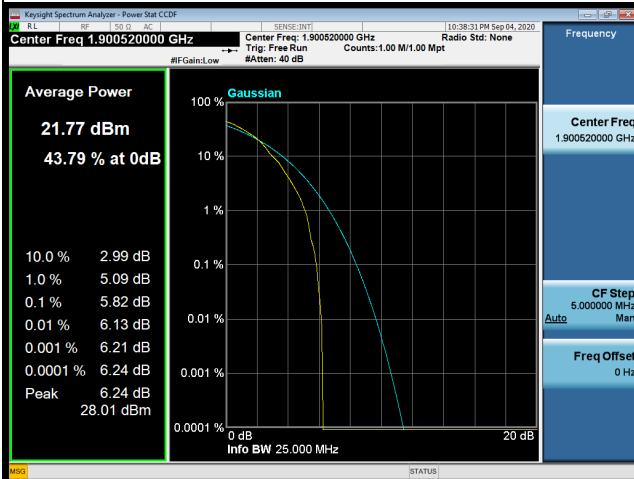
64QAM-18650



64QAM-18900

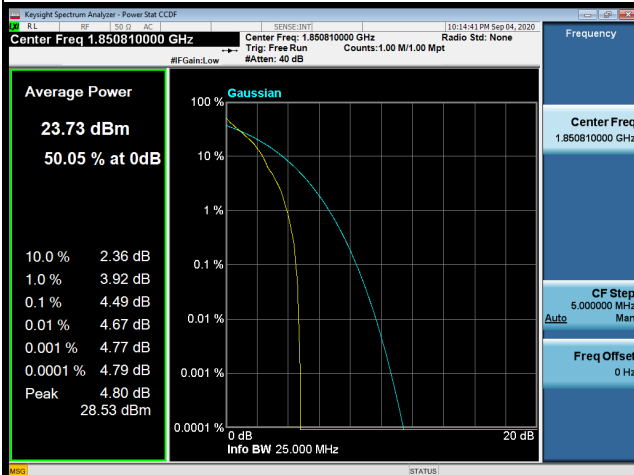


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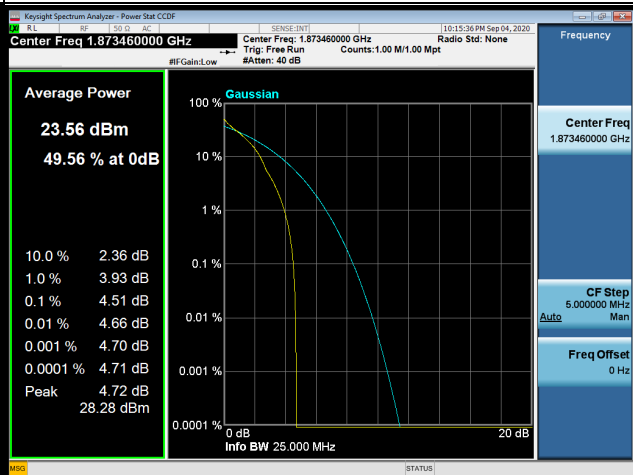


LTE Band 2_15M Spectrum Plot

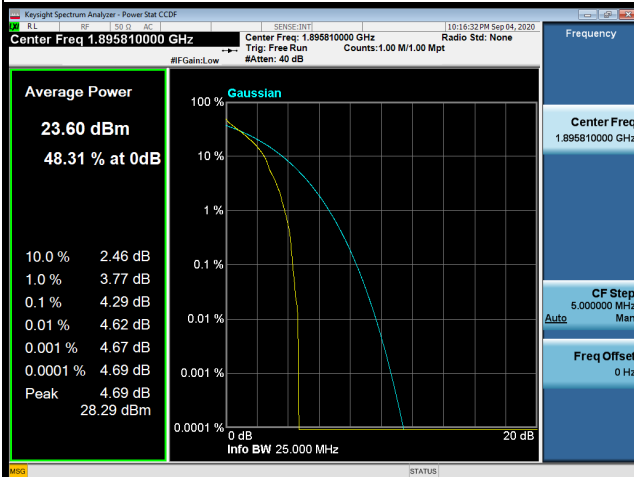
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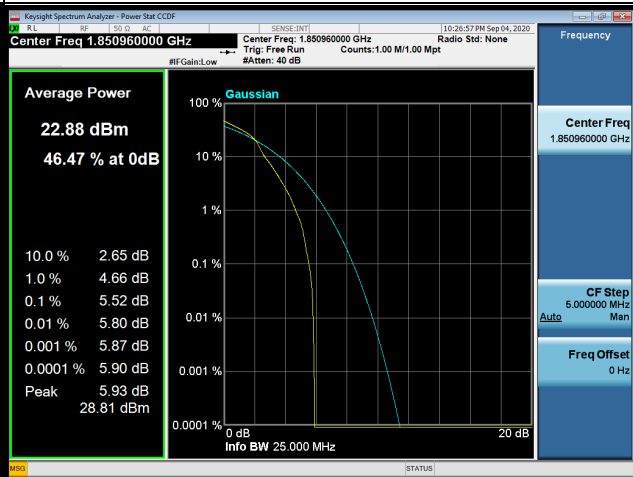
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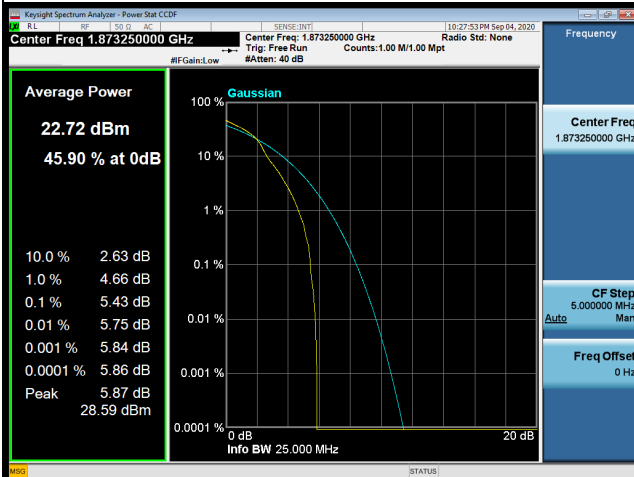
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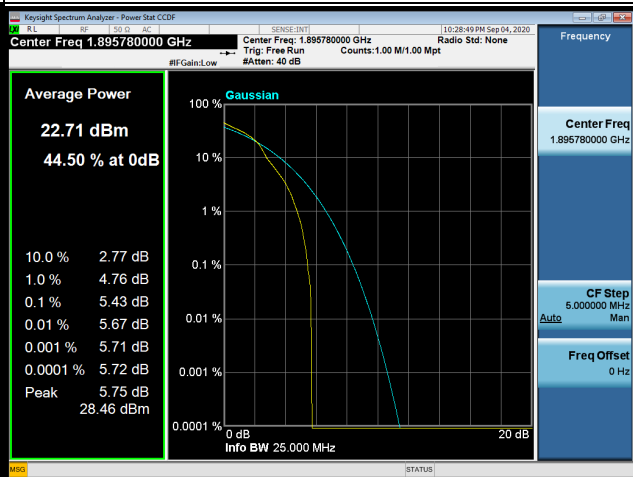
16QAM-18675



16QAM-18900

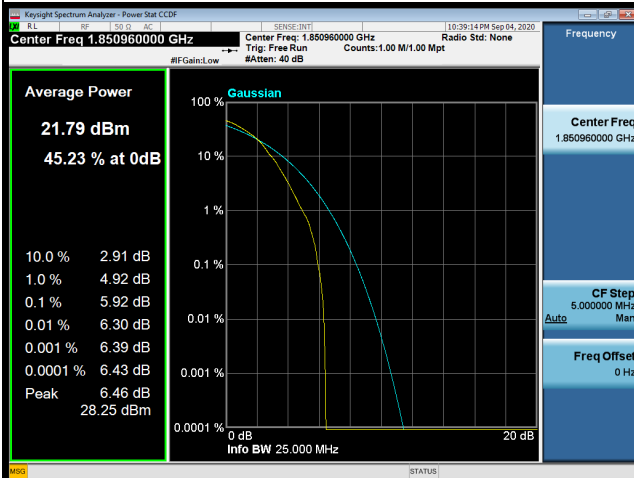


16QAM-19125

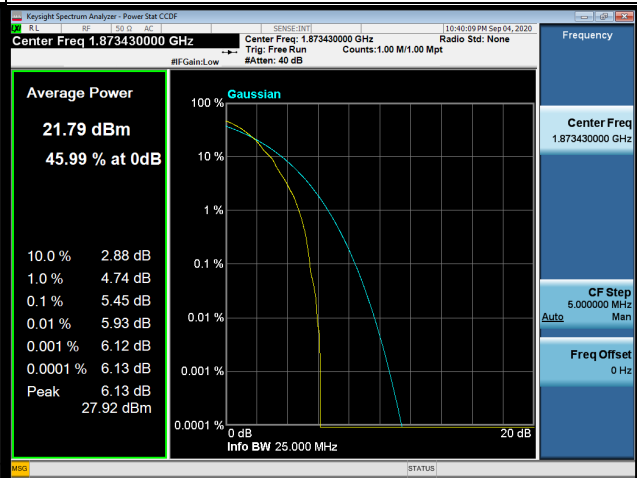


LTE Band 2_15M Spectrum Plot

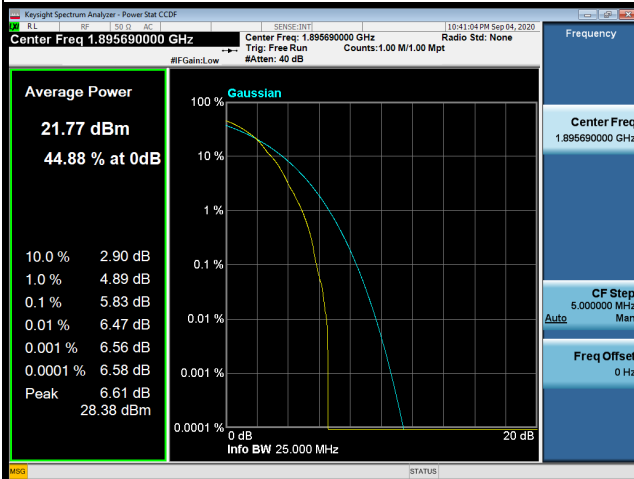
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64QAM-18900

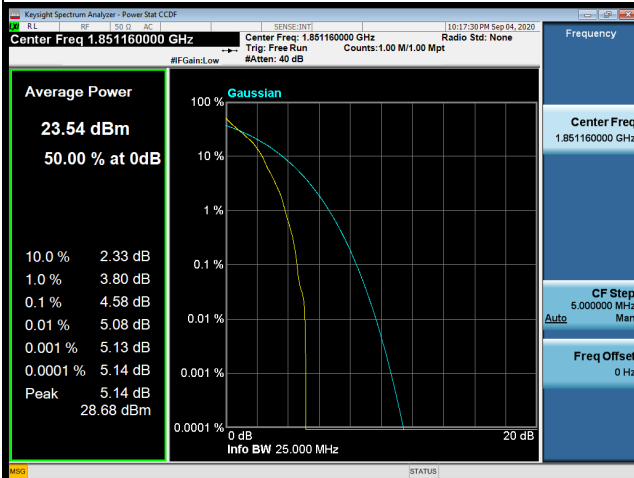


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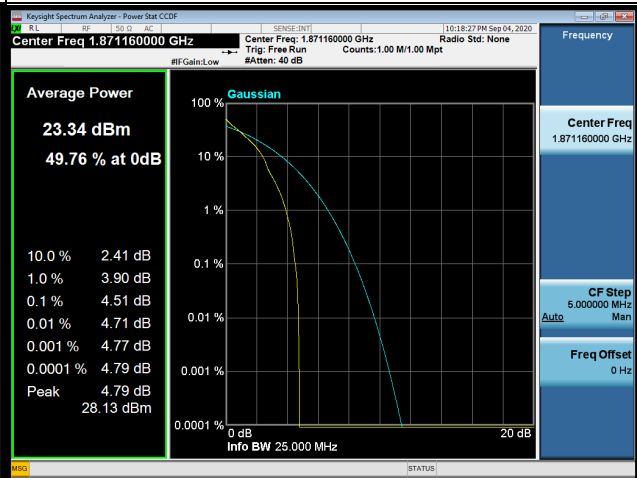


LTE Band 2_20M Spectrum Plot

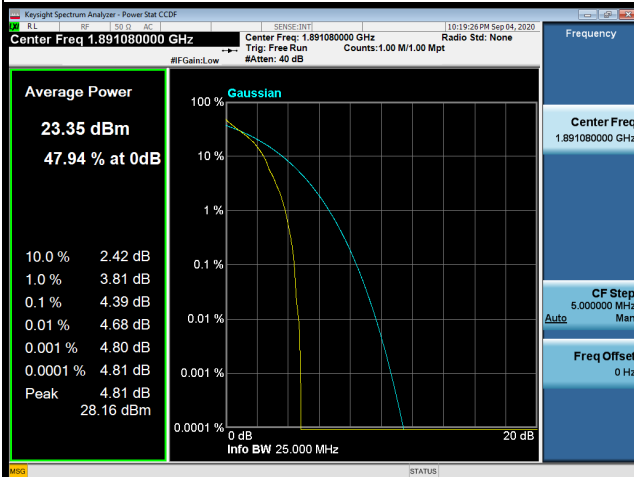
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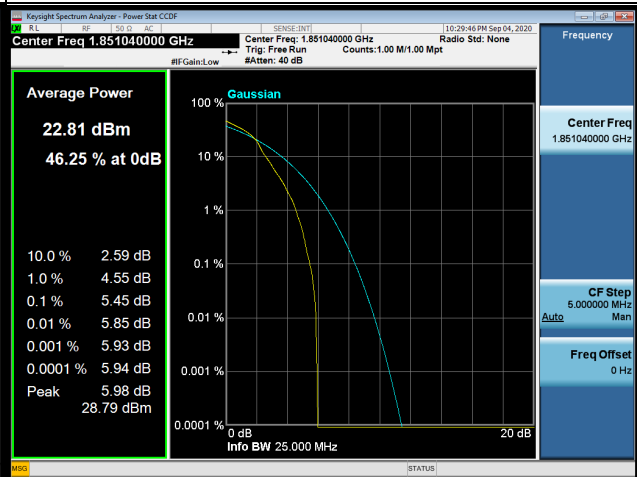
QPSK-18900



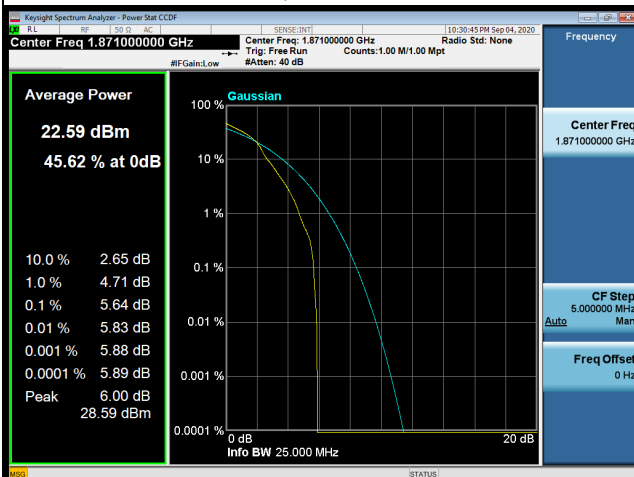
QPSK-19100



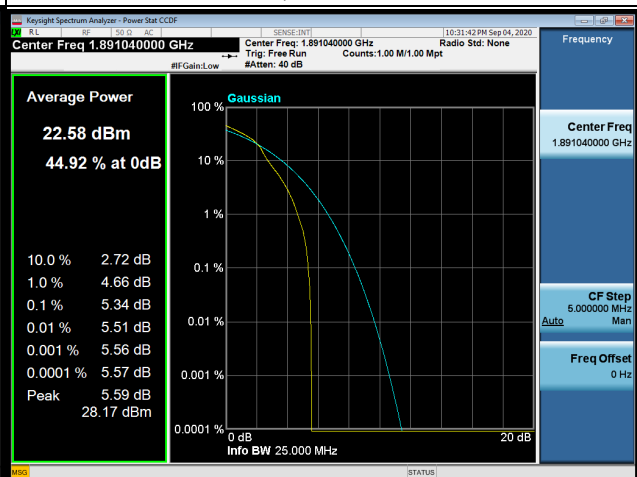
16QAM-18700



16QAM-18900

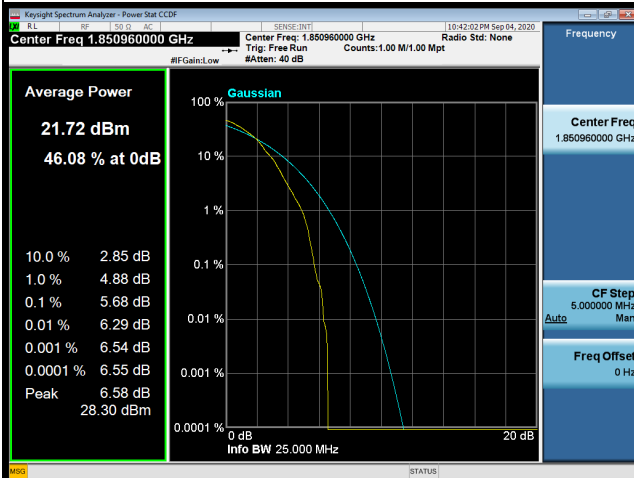


16QAM-19100

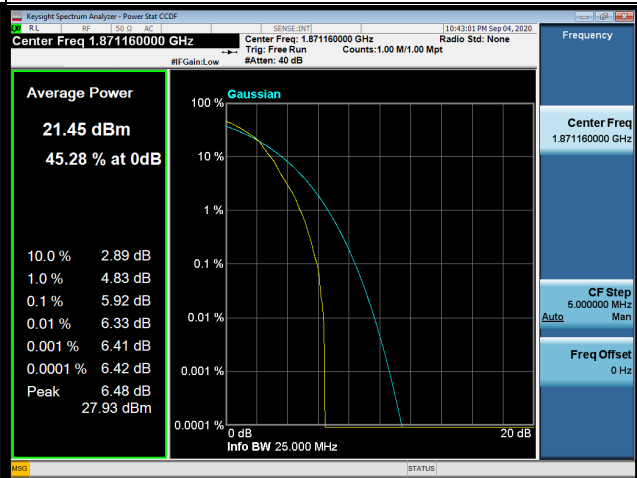


LTE Band 2_20M Spectrum Plot

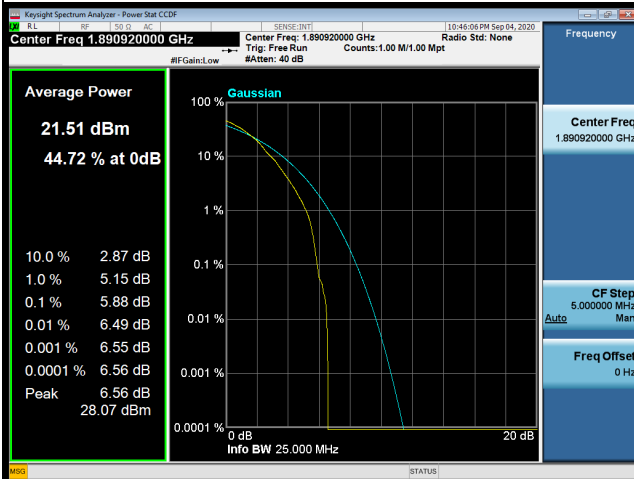
64QAM-18700



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)
0	3.91	0.002079787	± 2.5
10	4.13	0.002196809	
20	1.84	0.000978723	
30	3.54	0.001882979	
35	1.11	0.000590426	
Max. Deviation (ppm)	4.13	0.002196809	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.4	2.21	0.001175532	± 2.5
3.85	3.15	0.001675532	
3.6	1.47	0.000781915	
Max. Deviation (ppm)	3.15	0.001675532	

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	6.34	0.00337234	± 2.5
10	3.54	0.001882979	
20	4.57	0.002430851	
30	5.44	0.002893617	
35	4.91	0.002611702	
Max. Deviation (ppm)	6.34	0.00337234	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.4	3.83	0.002037234	± 2.5
3.85	5.91	0.003143617	
3.6	2.12	0.00112766	
Max. Deviation (ppm)	5.91	0.003143617	

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	5.51	0.002930851	± 2.5
10	5.81	0.003090426	
20	-4.54	-0.002414894	
30	2.99	0.001590426	
35	-2.43	-0.001292553	
Max. Deviation (ppm)	5.81	0.003090426	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.4	-4.65	-0.002473404	± 2.5
3.85	6.24	0.003319149	
3.6	4.71	0.002505319	
Max. Deviation (ppm)	6.24	0.003319149	

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	5.55	0.002952128	± 2.5
10	-2.88	-0.001531915	
20	-2.16	-0.001148936	
30	3.56	0.001893617	
35	-4.86	-0.002585106	
Max. Deviation (ppm)	5.55	0.002952128	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.4	5.73	0.003047872	± 2.5
3.85	3.78	0.002010638	
3.6	3.52	0.00187234	
Max. Deviation (ppm)	5.73	0.003047872	

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	-3.54	-0.001882979	± 2.5
10	-2.22	-0.001180851	
20	5.31	0.002824468	
30	-2.78	-0.001478723	
35	3.29	0.00175	
Max. Deviation (ppm)	5.31	0.002824468	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.4	5.47	0.002909574	± 2.5
3.85	-1.21	-0.000643617	
3.6	-3.39	-0.001803191	
Max. Deviation (ppm)	5.47	0.002909574	

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	1.59	0.000845745	± 2.5
10	5.17	0.00275	
20	3.21	0.001707447	
30	-2.92	-0.001553191	
35	4.07	0.002164894	
Max. Deviation (ppm)	5.17	0.00275	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.4	-2.37	-0.001260638	± 2.5
3.85	1.89	0.001005319	
3.6	-2.96	-0.001574468	
Max. Deviation (ppm)	-2.96	-0.001574468	

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	-2.23	-0.00118617	± 2.5
10	5.22	0.002776596	
20	0.92	0.000489362	
30	4.51	0.002398936	
35	-3.12	-0.001659574	
Max. Deviation (ppm)	5.22	0.002776596	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.4	4.87	0.002590426	± 2.5
3.85	-2.55	-0.001356383	
3.6	1.49	0.000792553	
Max. Deviation (ppm)	4.87	0.002590426	

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	1.10	0.000585106	± 2.5
10	2.29	0.001218085	
20	-3.49	-0.001856383	
30	-3.29	-0.00175	
35	1.89	0.001005319	
Max. Deviation (ppm)	-3.49	-0.001856383	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.4	-3.24	-0.001723404	± 2.5
3.85	-2.09	-0.001111702	
3.6	2.80	0.001489362	
Max. Deviation (ppm)	-3.24	-0.001723404	

End of Test Report