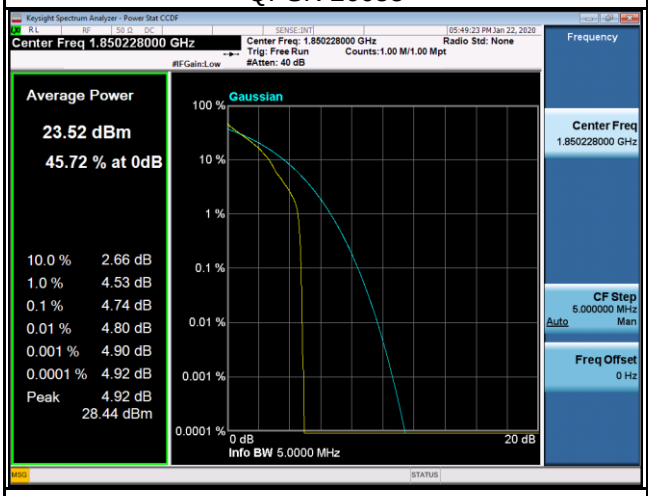
LTE Band 25 Spectrum Plot_3M

QPSK-26055



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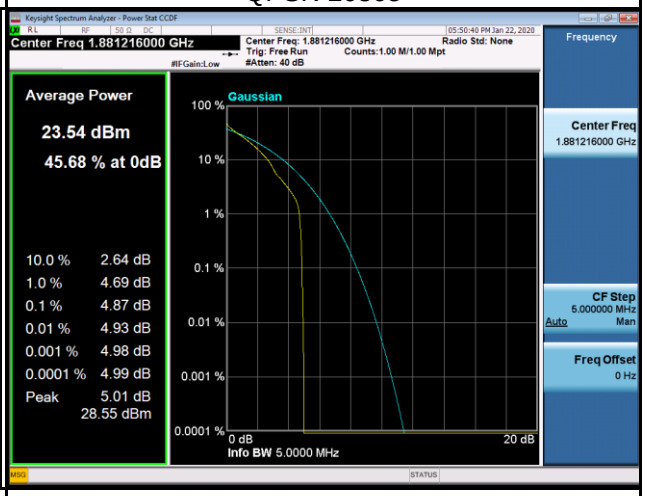

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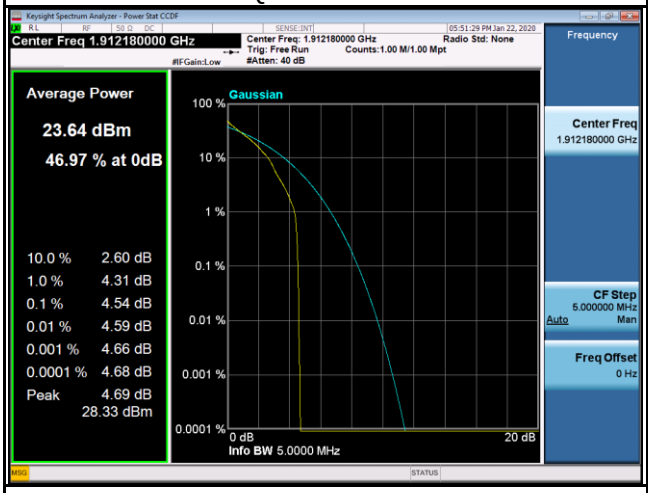

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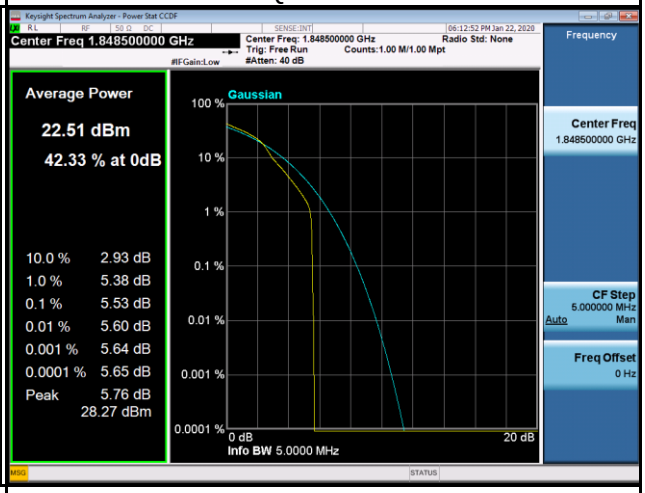

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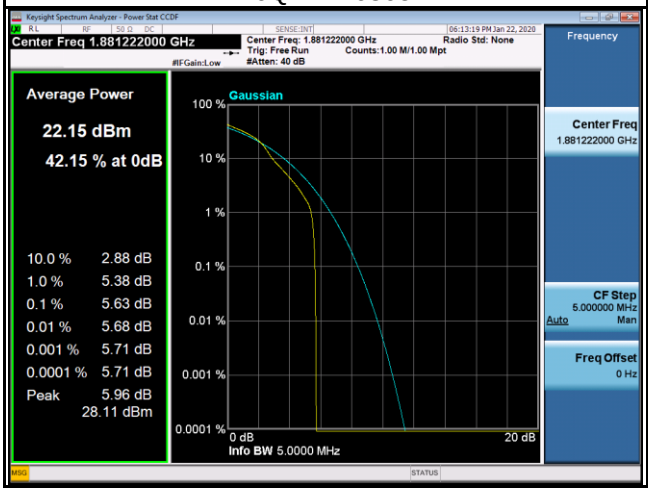

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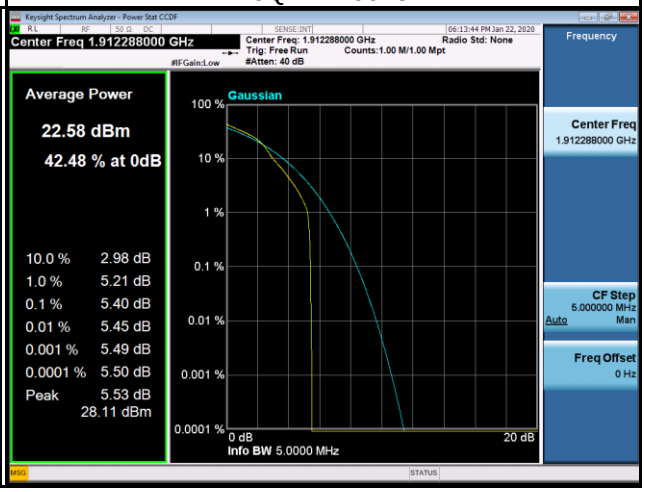

LTE Band 25 Spectrum Plot_5M

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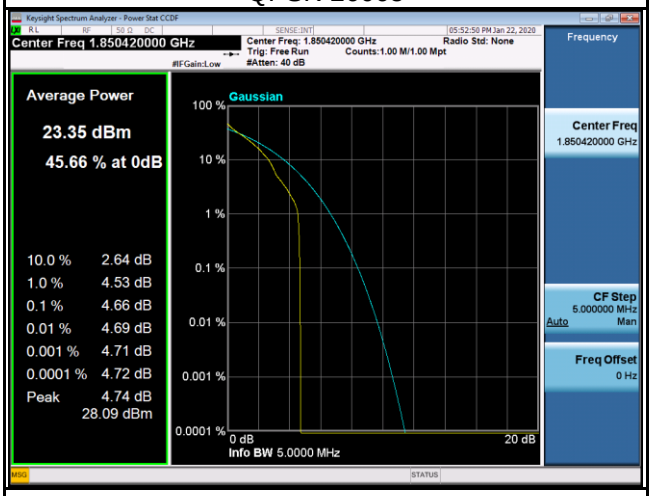

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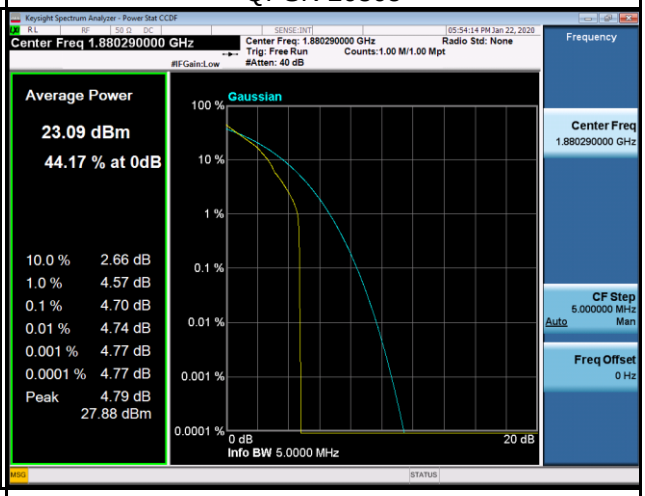

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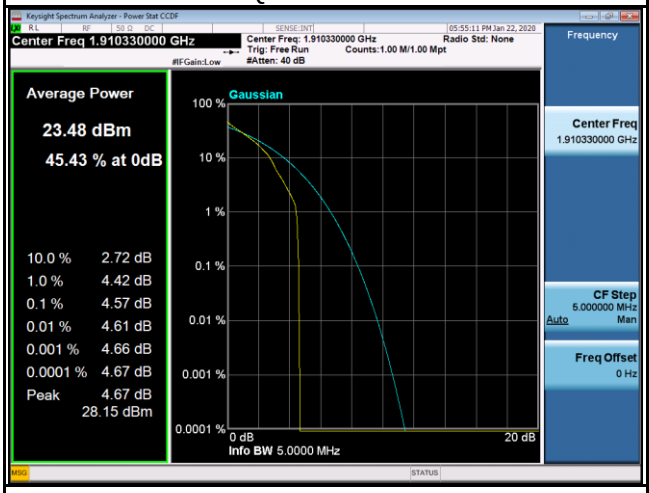

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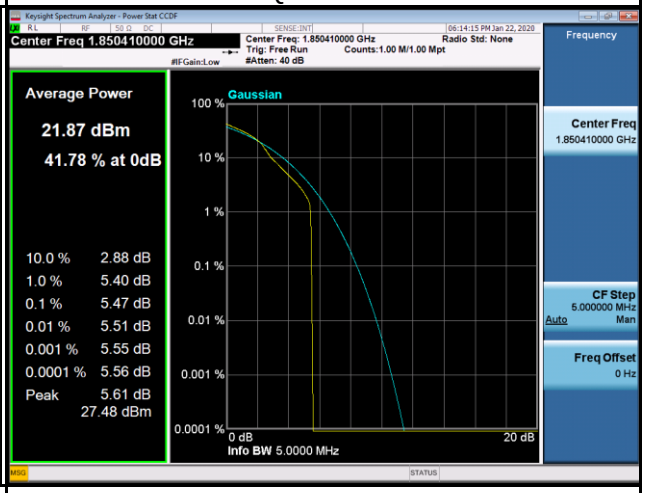

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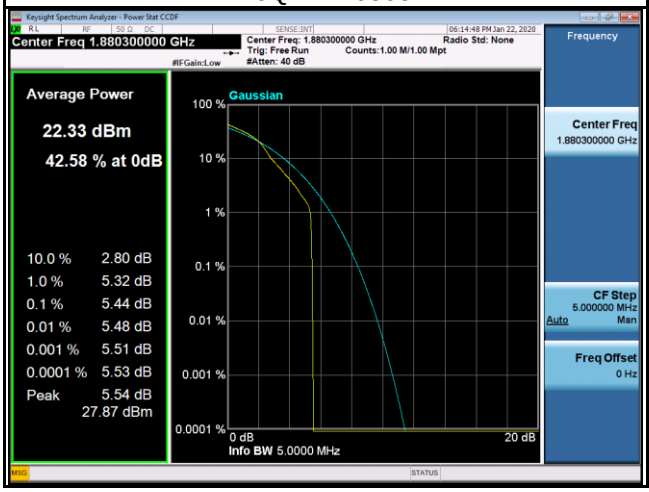

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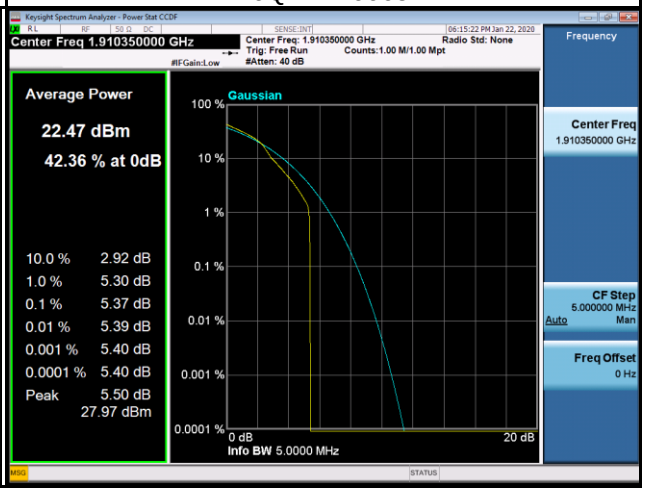
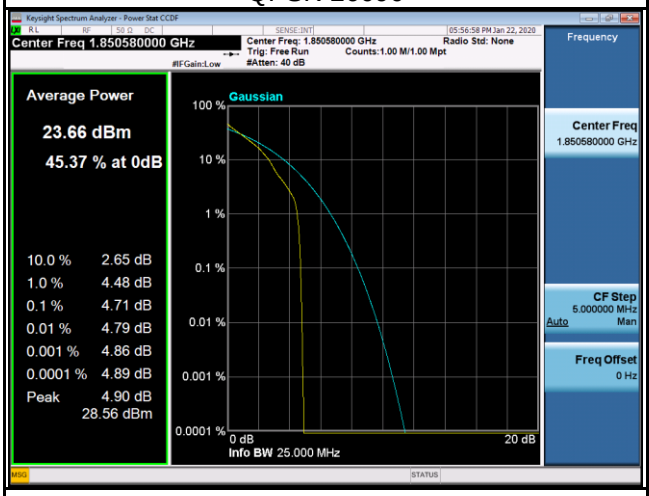


LTE Band 25 Spectrum Plot_10M

QPSK-26090



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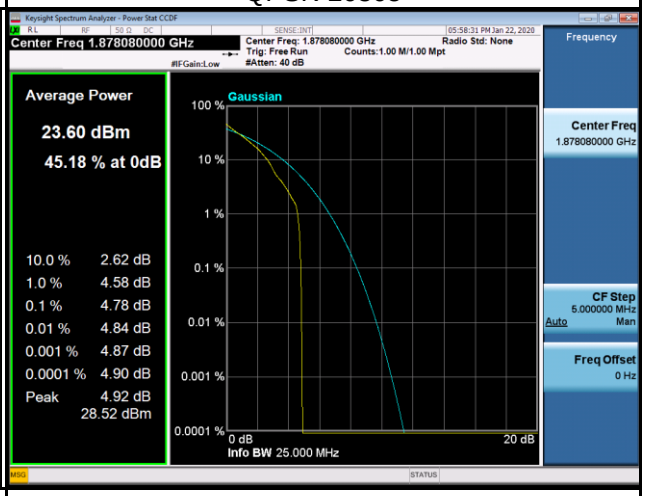

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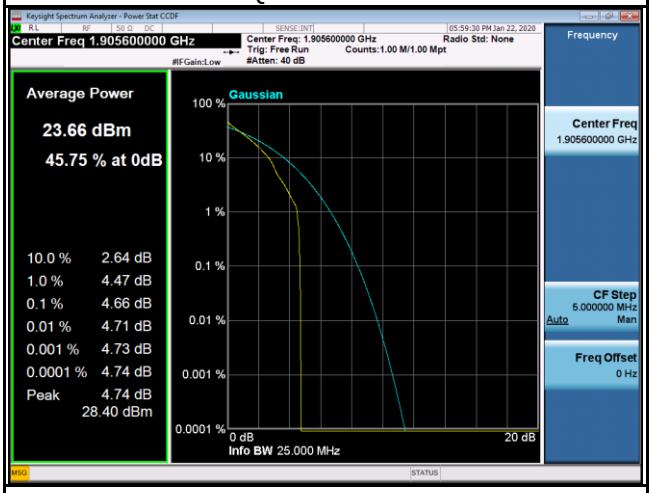

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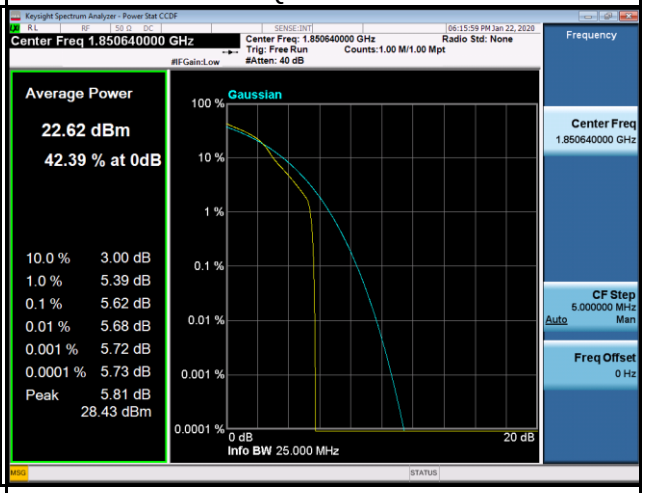

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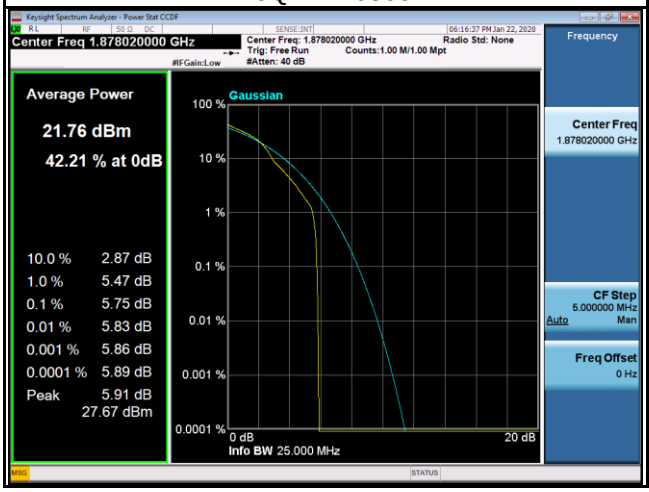

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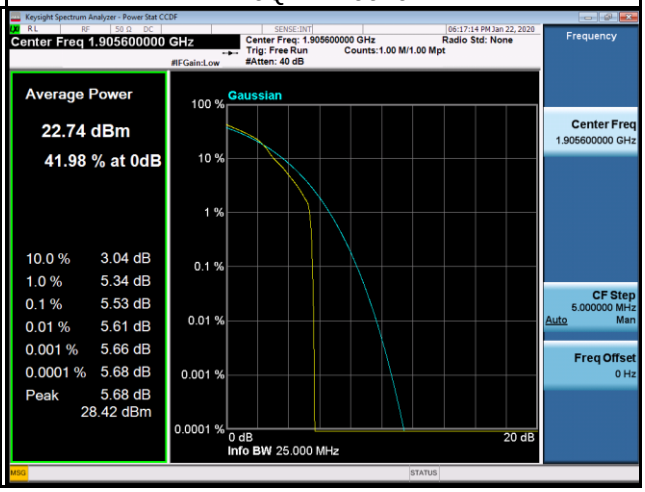
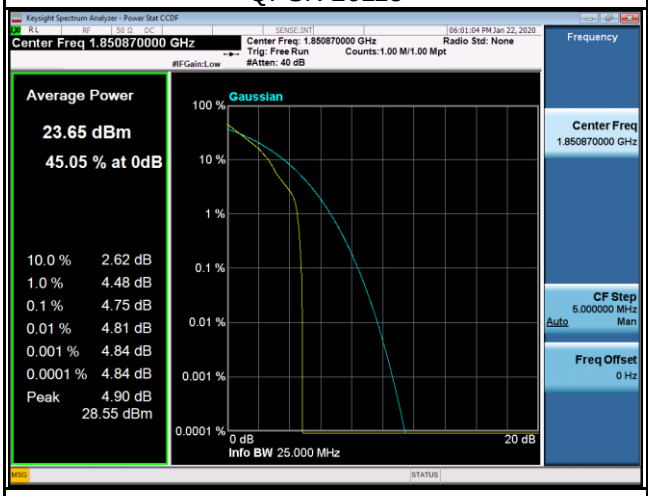
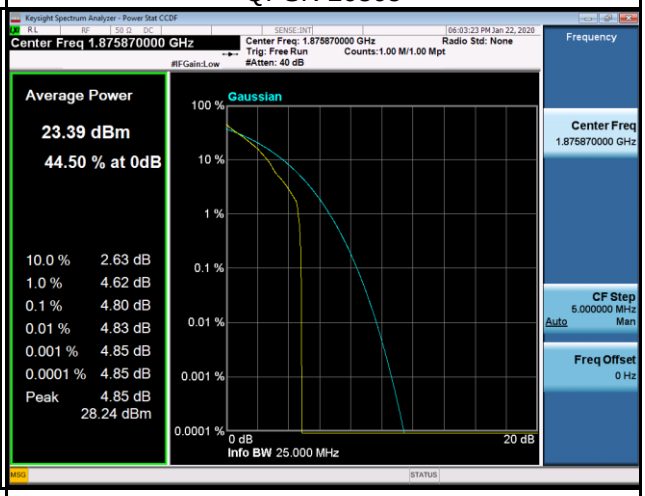


LTE Band 25 Spectrum Plot_15M

QPSK-26115



QPSK-26365



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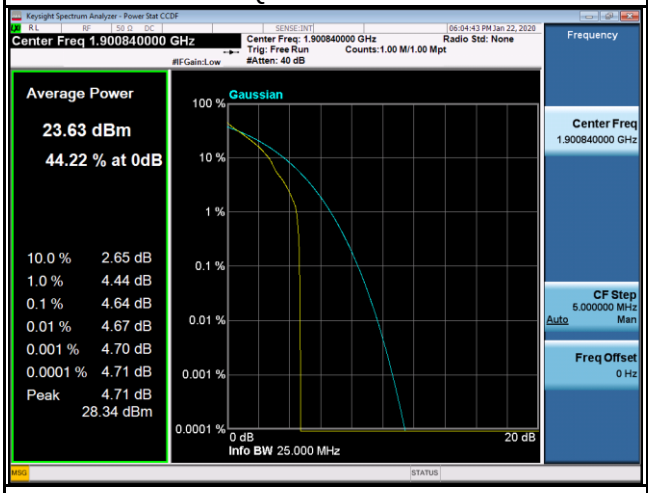

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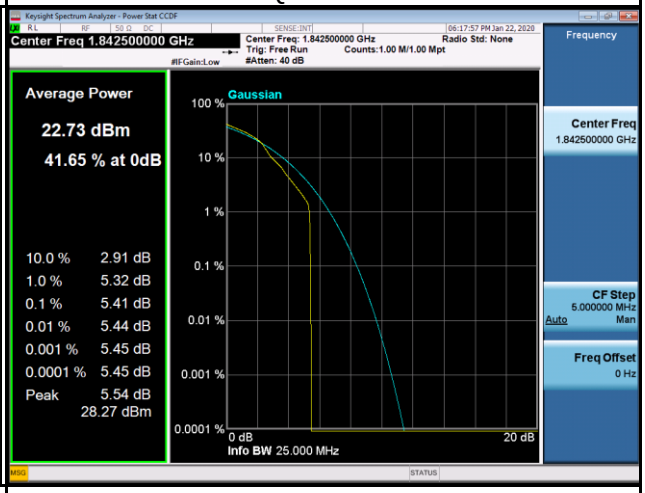

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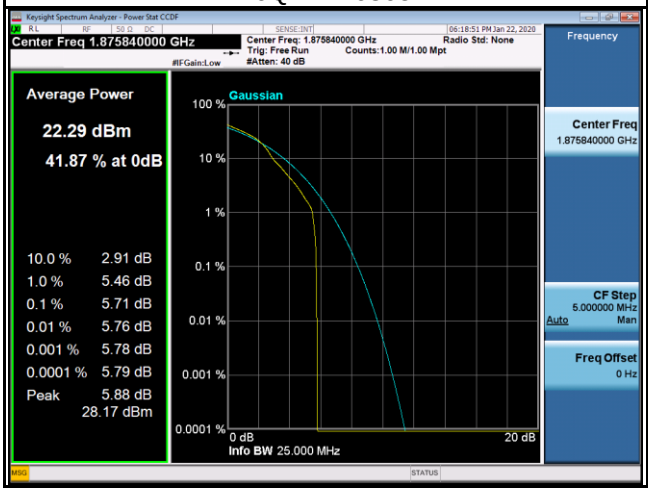

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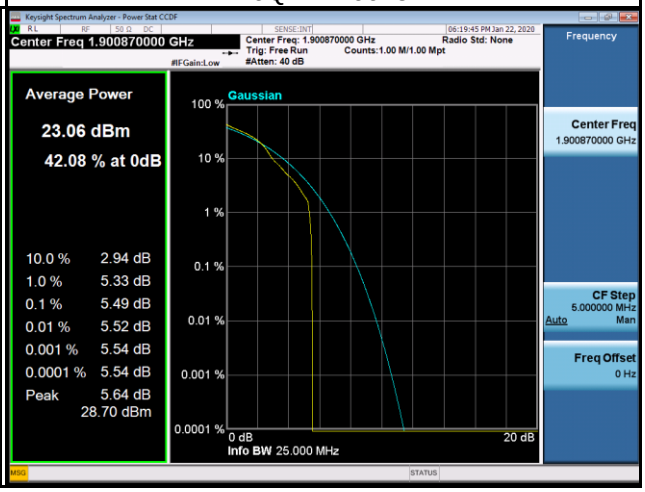
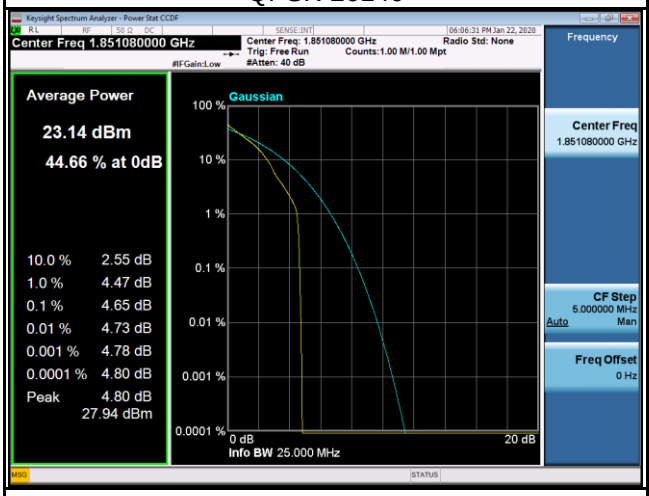


LTE Band 25 Spectrum Plot_20M

QPSK-26140



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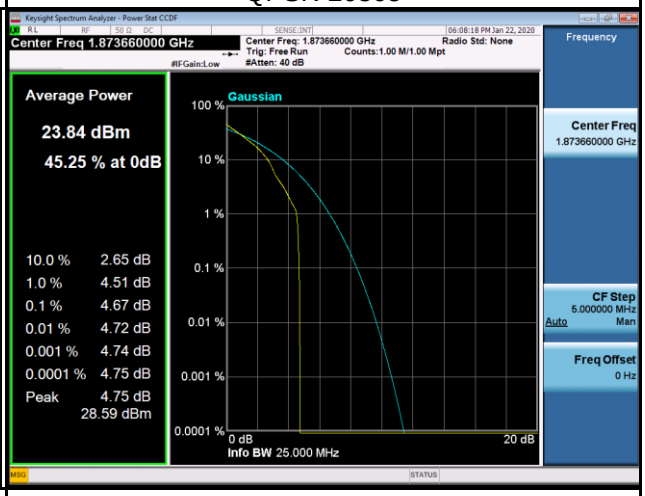

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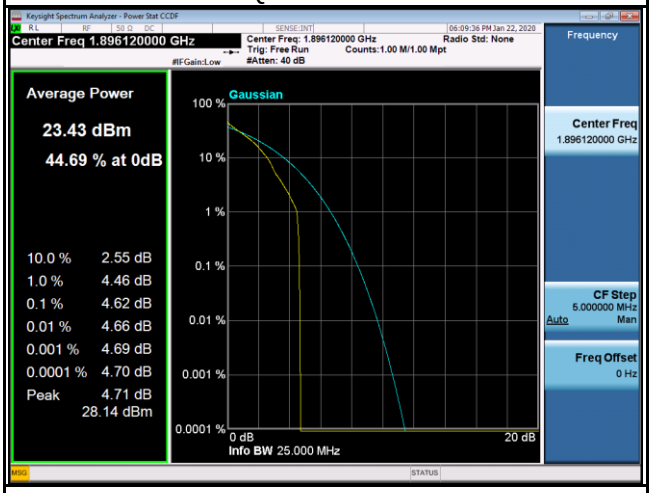

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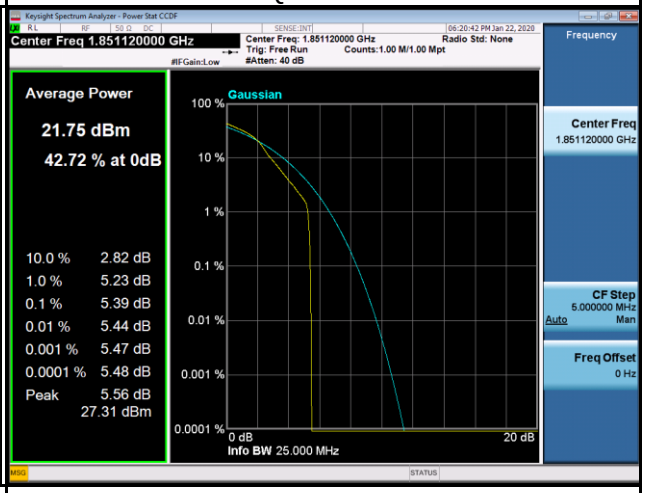

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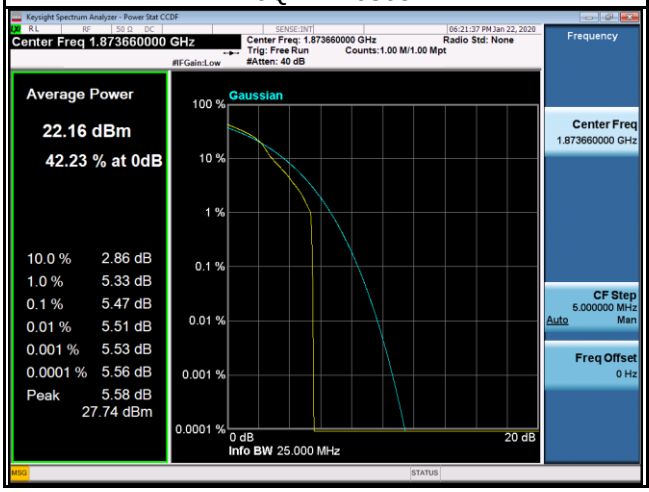

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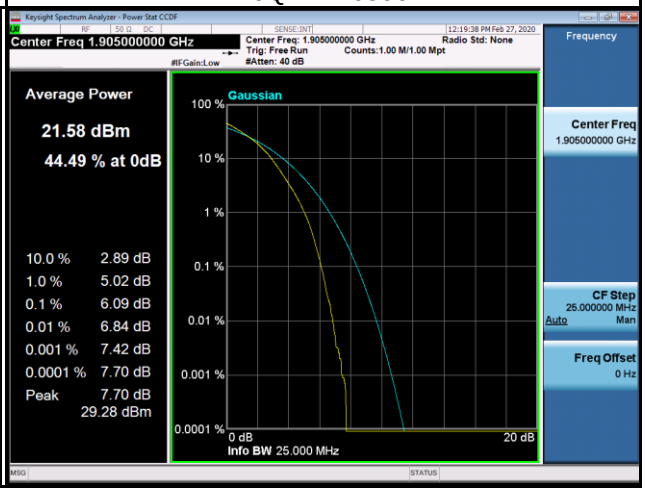

APPENDIX H - FREQUENCY STABILITY

Test Mode:	LTE Band 2_CH18900_1.4M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-3.33	-0.001771277	±2.5
-20	-2.19	-0.001162246	
-10	-2.82	-0.001497677	
0	-0.51	-0.000273007	
10	-4.53	-0.002410172	
20	0.21	0.000110582	
30	-6.84	-0.003636481	
40	-4.02	-0.002138241	
50	-1.52	-0.000807256	
Max. Deviation (ppm)	-6.84	-0.003636481	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-5.38	-0.002859784	±2.5
3.80	-7.43	-0.003951958	
4.40	1.42	0.000755001	
Max. Deviation (ppm)	-7.43	-0.003951958	

Test Mode:	LTE Band 2_CH18900_3M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-1.84	-0.000978723	±2.5
-20	-2.26	-0.001201829	
-10	2.77	0.001471314	
0	-4.96	-0.002638009	
10	1.64	0.000871535	
20	3.03	0.001612539	
30	-4.51	-0.002397940	
40	-3.50	-0.001859757	
50	-3.57	-0.001900772	
Max. Deviation (ppm)	-4.96	-0.002638009	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	1.13	0.000601813	±2.5
3.80	1.61	0.000858720	
4.40	-0.32	-0.000168856	
Max. Deviation (ppm)	1.61	0.000858720	

Test Mode:	LTE Band 2_CH18900_5M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-2.96	-0.001574468	±2.5
-20	-5.64	-0.002999433	
-10	-3.32	-0.001764302	
0	-6.86	-0.003647428	
10	-4.80	-0.002553683	
20	0.46	0.000243539	
30	-3.58	-0.001903411	
40	-5.77	-0.003071689	
50	-5.96	-0.003169010	
Max. Deviation (ppm)	-6.86	-0.003647428	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	0.02	0.000013229	±2.5
3.80	-2.22	-0.001182530	
4.40	-7.38	-0.003923460	
Max. Deviation (ppm)	-7.38	-0.003923460	

Test Mode:	LTE Band 2_CH18900_10M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-5.48	-0.002914894	±2.5
-20	-5.19	-0.002758927	
-10	-5.53	-0.002940389	
0	-8.63	-0.004590395	
10	-1.69	-0.000900408	
20	-3.79	-0.002013684	
30	-5.57	-0.002964980	
40	-6.07	-0.003227852	
50	-6.04	-0.003211290	
Max. Deviation (ppm)	-8.63	-0.004590395	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-2.86	-0.001522207	±2.5
3.80	-2.68	-0.001425240	
4.40	-4.97	-0.002644769	
Max. Deviation (ppm)	-4.97	-0.002644769	

Test Mode:	LTE Band 2_CH18900_15M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-4.94	-0.002627660	±2.5
-20	-3.26	-0.001734097	
-10	-0.60	-0.000317498	
0	-5.40	-0.002873933	
10	-0.10	-0.000053495	
20	-9.49	-0.005048400	
30	-4.43	-0.002353903	
40	-0.13	-0.000067107	
50	-4.11	-0.002184741	
Max. Deviation (ppm)	-9.49	-0.0050484	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-9.61	-0.005111648	±2.5
3.80	-0.91	-0.000483304	
4.40	-4.79	-0.002548991	
Max. Deviation (ppm)	-9.61	-0.005111648	

Test Mode:	LTE Band 2_CH18900_20M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-1.87	-0.000994681	±2.5
-20	-2.75	-0.001463626	
-10	0.06	0.000033233	
0	-0.12	-0.000065423	
10	-1.68	-0.000894778	
20	-6.27	-0.003332980	
30	-2.48	-0.001319918	
40	2.67	0.001420572	
50	0.52	0.000274921	
Max. Deviation (ppm)	-6.27	-0.00333298	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-0.46	-0.000242048	±2.5
3.80	0.67	0.000355560	
4.40	-5.57	-0.002961037	
Max. Deviation (ppm)	-5.57	-0.002961037	

Test Mode:	LTE Band 25_CH26365_1.4M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-3.66	-0.001946809	±2.5
-20	-3.85	-0.002045727	
-10	-3.29	-0.001748785	
0	-1.79	-0.000950084	
10	-2.50	-0.001331312	
20	-2.83	-0.001504699	
30	0.78	0.000414850	
40	-8.29	-0.004411865	
50	-7.48	-0.003979419	
Max. Deviation (ppm)	-8.29	-0.004411865	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-7.75	-0.004121322	±2.5
3.80	-2.98	-0.001583512	
4.40	-8.47	-0.004504179	
Max. Deviation (ppm)	-8.47	-0.004504179	

Test Mode:	LTE Band 25_CH26365_3M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-1.87	-0.000994681	±2.5
-20	-3.48	-0.001849484	
-10	-5.53	-0.002942531	
0	-5.74	-0.003053207	
10	2.89	0.001537928	
20	1.42	0.000757888	
30	-1.66	-0.000881645	
40	1.43	0.000760793	
50	-0.90	-0.000476695	
Max. Deviation (ppm)	-5.74	-0.003053207	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-3.77	-0.002003638	±2.5
3.80	-4.31	-0.002292581	
4.40	0.17	0.000089117	
Max. Deviation (ppm)	-4.31	-0.002292581	

Test Mode:	LTE Band 25_CH26365_5M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	2.13	0.001132979	±2.5
-20	3.42	0.001817460	
-10	3.47	0.001847023	
0	-2.34	-0.001246225	
10	-1.07	-0.000567924	
20	5.33	0.002836403	
30	2.70	0.001437104	
40	5.93	0.003154695	
50	6.70	0.003566318	
Max. Deviation (ppm)	6.70	0.003566318	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	4.12	0.002192953	±2.5
3.80	6.85	0.003642539	
4.40	-0.20	-0.000106325	
Max. Deviation (ppm)	6.85	0.003642539	

Test Mode:	LTE Band 25_CH26365_10M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-0.58	-0.000308511	±2.5
-20	3.39	0.001801659	
-10	3.54	0.001880358	
0	3.53	0.001875287	
10	-1.86	-0.000989857	
20	-1.66	-0.000880725	
30	0.69	0.000365550	
40	-0.53	-0.000279350	
50	-2.51	-0.001334186	
Max. Deviation (ppm)	3.54	0.001880358	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	1.49	0.000793943	±2.5
3.80	1.85	0.000983607	
4.40	4.19	0.002228539	
Max. Deviation (ppm)	4.19	0.002228539	

Test Mode:	LTE Band 25_CH26365_15M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-4.71	-0.002505319	±2.5
-20	-5.97	-0.003174213	
-10	-6.56	-0.003490692	
0	-7.83	-0.004163693	
10	-0.70	-0.000370789	
20	-3.68	-0.001956400	
30	-1.69	-0.000897780	
40	-4.84	-0.002573675	
50	-0.72	-0.000381594	
Max. Deviation (ppm)	-7.83	-0.004163693	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-4.97	-0.002642008	±2.5
3.80	-5.65	-0.003006981	
4.40	-6.91	-0.003677767	
Max. Deviation (ppm)	-6.91	-0.003677767	

Test Mode:	LTE Band 25_CH26365_20M

Temperature vs. Frequency Stabiility

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-2.29	-0.001218085	±2.5
-20	-2.50	-0.001327935	
-10	-2.27	-0.001205115	
0	-2.74	-0.001459892	
10	-0.39	-0.000208433	
20	-4.39	-0.002334780	
30	-5.90	-0.003136463	
40	-6.66	-0.003540156	
50	-2.31	-0.001226535	
Max. Deviation (ppm)	-6.66	-0.003540156	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-2.82	-0.001501555	±2.5
3.80	-0.64	-0.000340201	
4.40	-0.73	-0.000387487	
Max. Deviation (ppm)	-2.82	-0.001501555	

End of Test Report