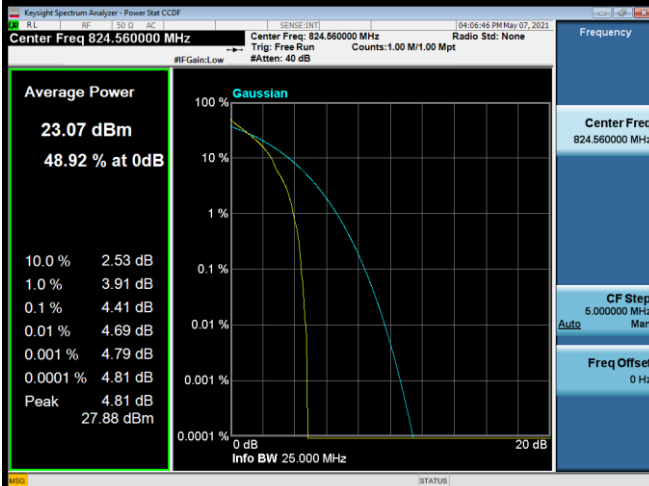
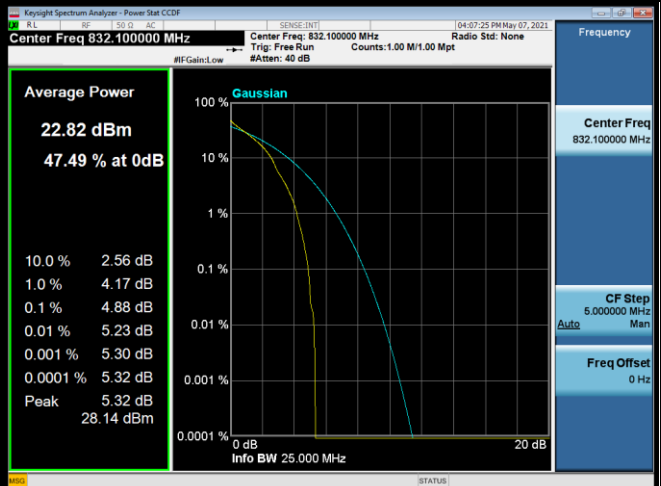


LTE Band 5_10M Spectrum Plot

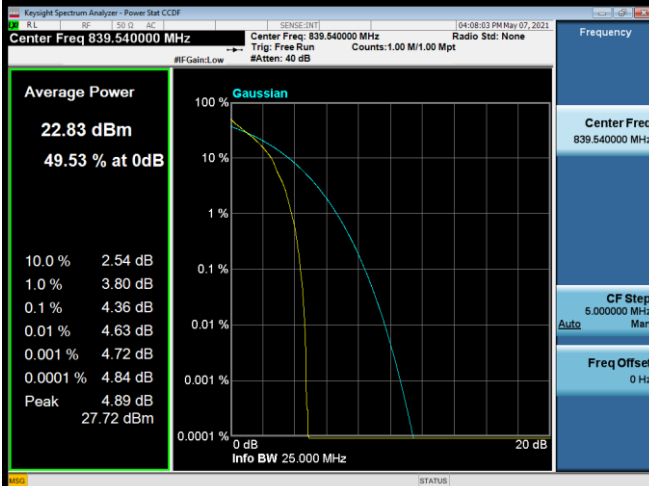
QPSK-20450



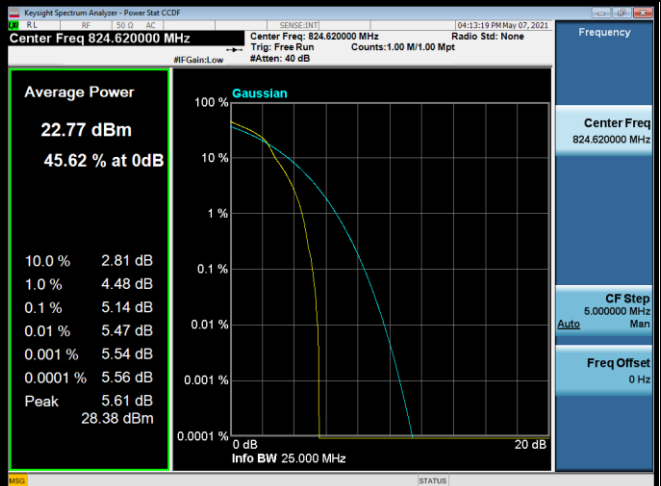
QPSK-20525



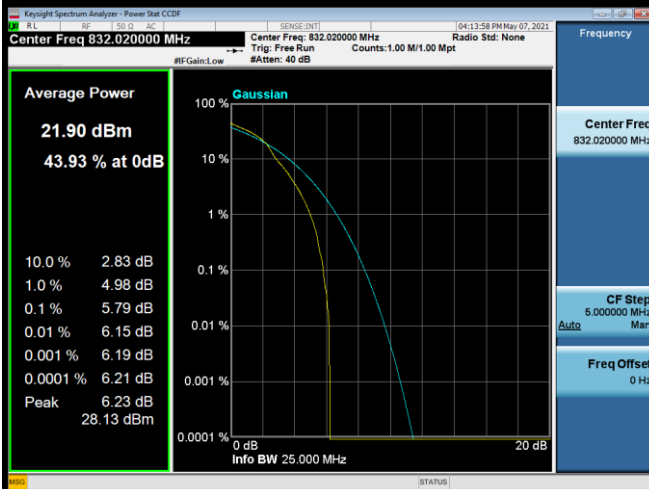
QPSK-20600



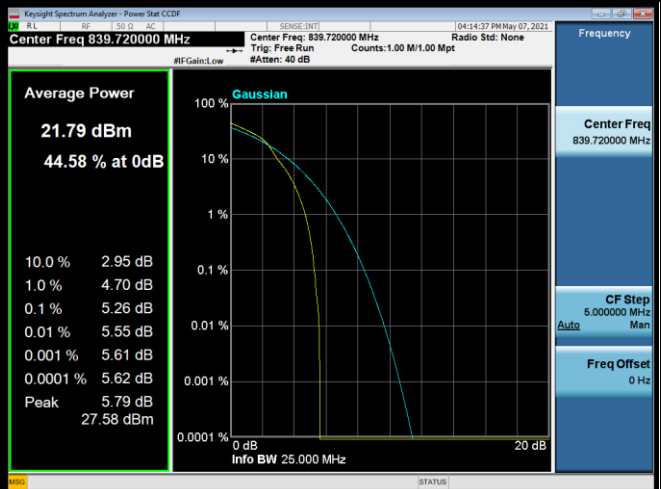
16QAM-20450



16QAM-20525



16QAM-20600



APPENDIX I - FREQUENCY STABILITY

Test Mode	GSM850_CH190
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	1.22	0.001458284	±2.5
-10	5.12	0.00612001	
0	5.15	0.006155869	
10	3.02	0.003609849	
20	4.75	0.005677743	
30	3.56	0.004255319	
40	1.18	0.001410471	
50	1.54	0.001840784	
60	2.38	0.002844848	
70	4.95	0.005916806	
75	5.68	0.006789386	
Max. Deviation (ppm)	5.68	0.006789386	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	5.95	0.00711212	±2.5
3.8	2.51	0.003000239	
3.5	2.34	0.002797036	
Max. Deviation (ppm)	5.95	0.00711212	

Test Mode	WCDMA Band V_CH4182
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	5.89	0.007042085	±2.5
-10	1.94	0.002319464	
0	4.02	0.004806313	
10	2.16	0.002582496	
20	3.18	0.003802009	
30	6.72	0.008034433	
40	3.74	0.004471545	
50	3.08	0.003682449	
60	1.99	0.002379244	
70	4.12	0.004925873	
75	6.78	0.008106169	
Max. Deviation (ppm)	6.78	0.008106169	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	4.15	0.004961741	±2.5
3.8	6.51	0.007783357	
3.5	2.34	0.002797704	
Max. Deviation (ppm)	6.51	0.007783357	

Test Mode	LTE Band 5_CH20525_1.4M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.02	-0.006001195	±2.5
-10	-4.17	-0.004985057	
0	5.94	0.007101016	
10	-1.99	-0.00237896	
20	-3.48	-0.004160191	
30	3.39	0.0040526	
40	1.26	0.001506276	
50	4.77	0.005702331	
60	-5.55	-0.006634788	
70	-6.04	-0.007220562	
75	-3.36	-0.004016736	
Max. Deviation (ppm)	-6.04	-0.007220562	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-3.13	-0.003741781	±2.5
3.8	5.31	0.006347878	
3.5	6.08	0.00726838	
Max. Deviation (ppm)	6.08	0.00726838	

Test Mode	LTE Band 5_CH20525_3M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	5.78	0.006909743	±2.5
-10	-3.33	-0.003980873	
0	4.53	0.005415421	
10	-1.96	-0.002343096	
20	1.36	0.001625822	
30	-3.14	-0.003753736	
40	-6.61	-0.007901973	
50	-2.33	-0.002785415	
60	5.97	0.00713688	
70	2.73	0.003263598	
75	-1.42	-0.001697549	
Max. Deviation (ppm)	-6.61	-0.007901973	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-2.28	-0.002725643	±2.5
3.8	-2.75	-0.003287507	
3.5	-3.57	-0.004267782	
Max. Deviation (ppm)	-3.57	-0.004267782	

Test Mode	LTE Band 5_CH20525_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	1.51	0.00180514	±2.5
-10	-1.83	-0.002187687	
0	-4.54	-0.005427376	
10	-6.17	-0.007375971	
20	-5.36	-0.006407651	
30	2.61	0.003120143	
40	2.80	0.00334728	
50	-4.35	-0.005200239	
60	5.95	0.007112971	
70	6.25	0.007471608	
75	-5.53	-0.006610879	
Max. Deviation (ppm)	6.25	0.007471608	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	5.03	0.00601315	±2.5
3.8	-5.93	-0.007089062	
3.5	-4.48	-0.005355649	
Max. Deviation (ppm)	-5.93	-0.007089062	

Test Mode	LTE Band 5_CH20525_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.06	-0.002462642	± 2.5
-10	2.04	0.002438733	
0	-3.36	-0.004016736	
10	1.73	0.002068141	
20	-4.06	-0.004853556	
30	6.12	0.007316198	
40	6.73	0.008045427	
50	-5.69	-0.006802152	
60	-6.29	-0.007519426	
70	4.93	0.005893604	
75	6.09	0.007280335	
Max. Deviation (ppm)	6.73	0.008045427	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-1.02	-0.001219366	± 2.5
3.8	-1.12	-0.001338912	
3.5	6.77	0.008093246	
Max. Deviation (ppm)	6.77	0.008093246	

End of Test Report