

## LTE Band 26\_15M Spectrum Plot

1RB#0

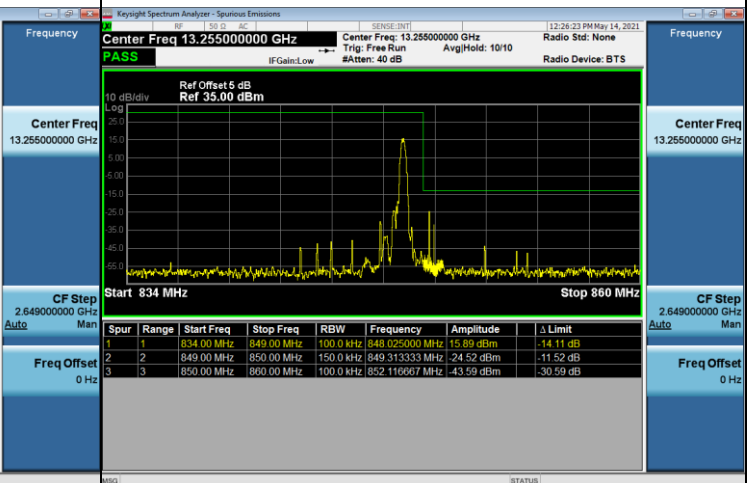
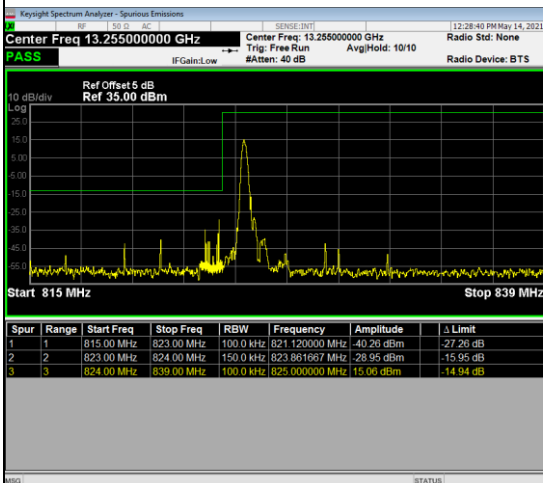
1RB#5

Channel

26865

Channel

26965



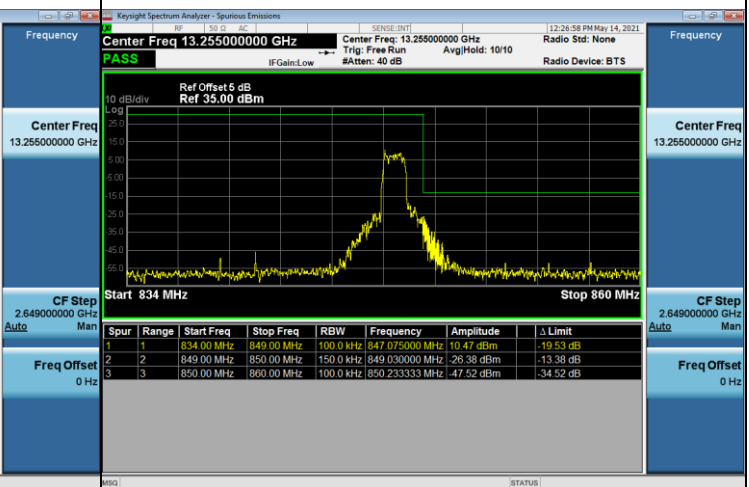
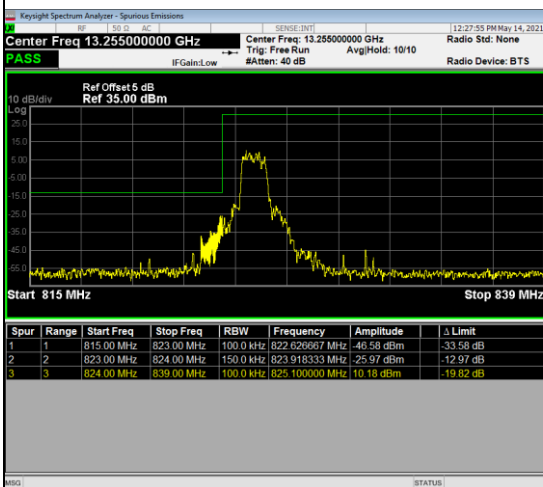
## 6RB#0

Channel

26865

Channel

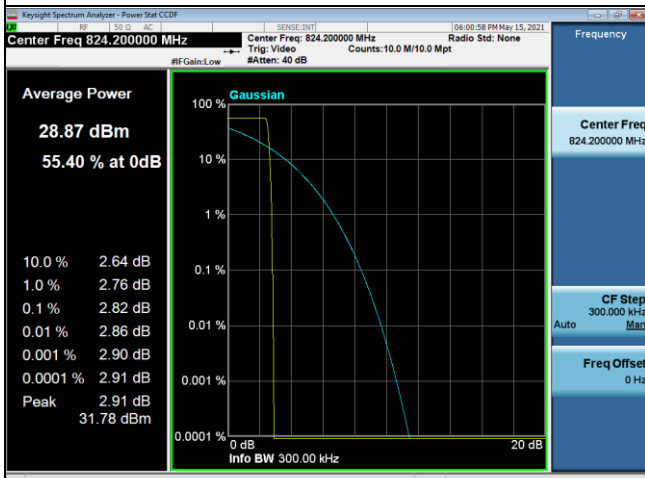
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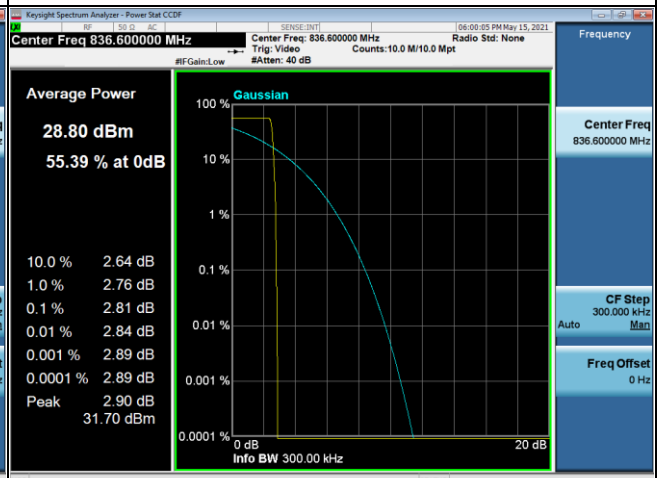
## APPENDIX H - PEAK TO AVERAGE RATIO

## GSM 850 Spectrum Plot

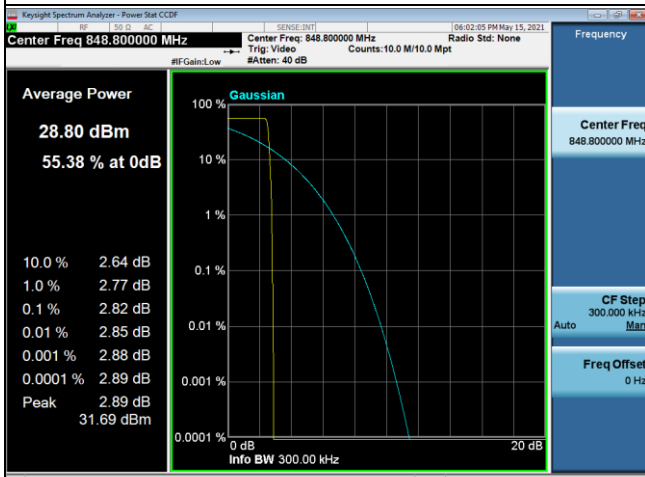
GSM-128



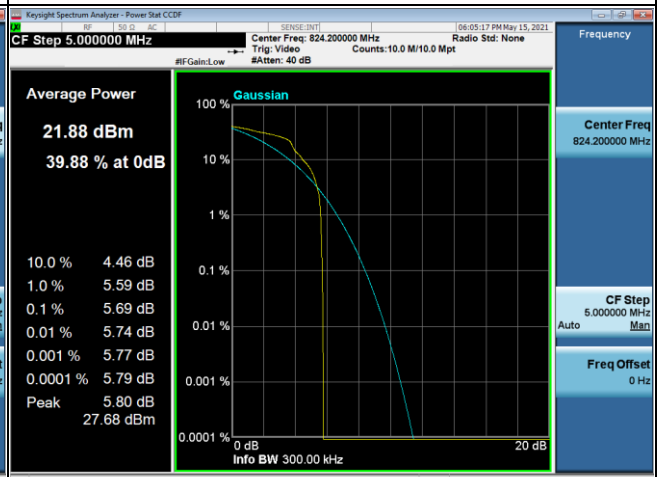
GSM-190



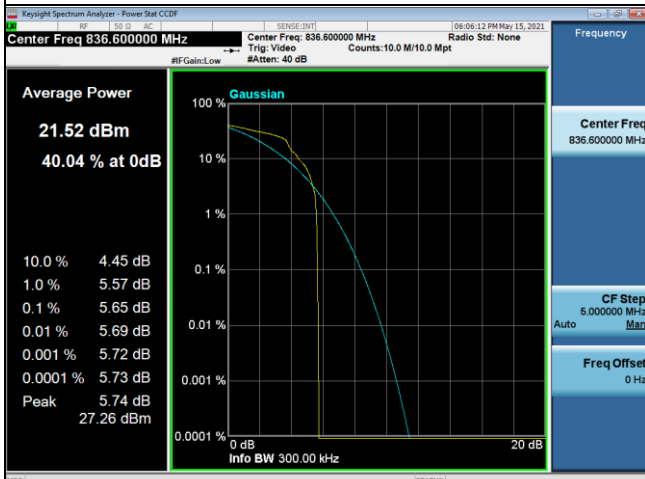
GSM-251



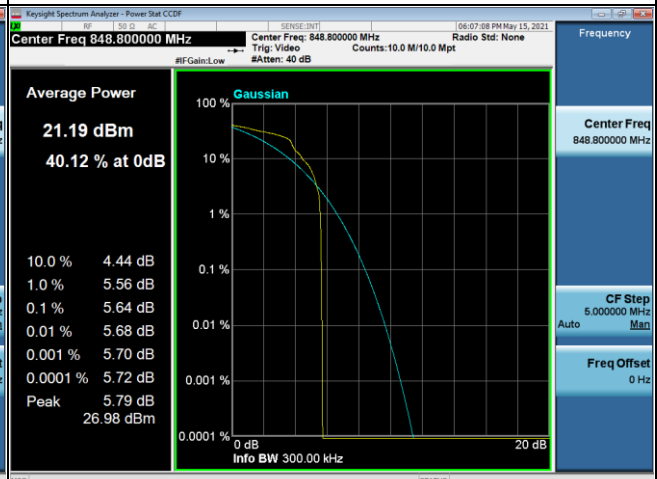
EDGE-128



EDGE-190

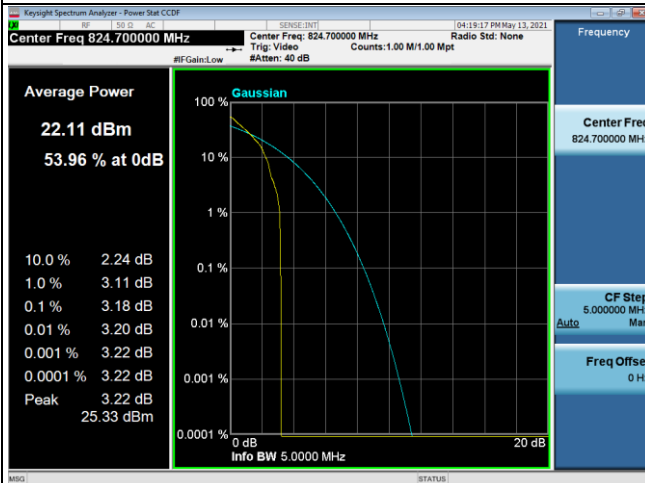


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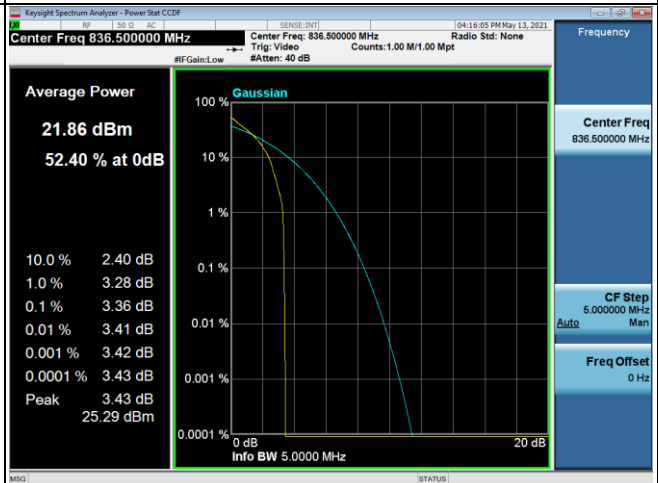


## LTE Band 5\_1.4M Spectrum Plot

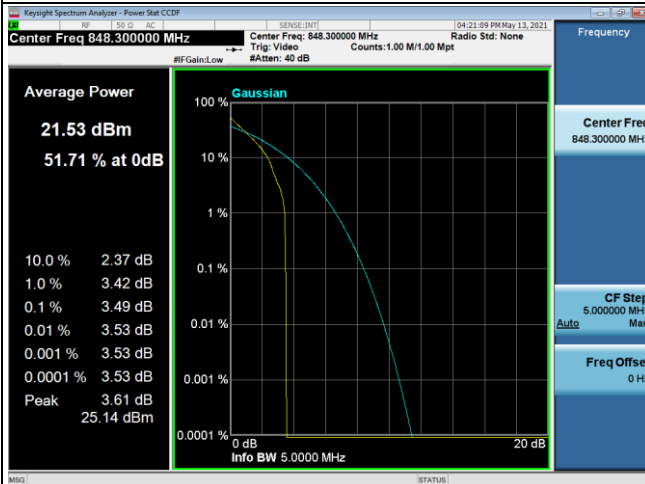
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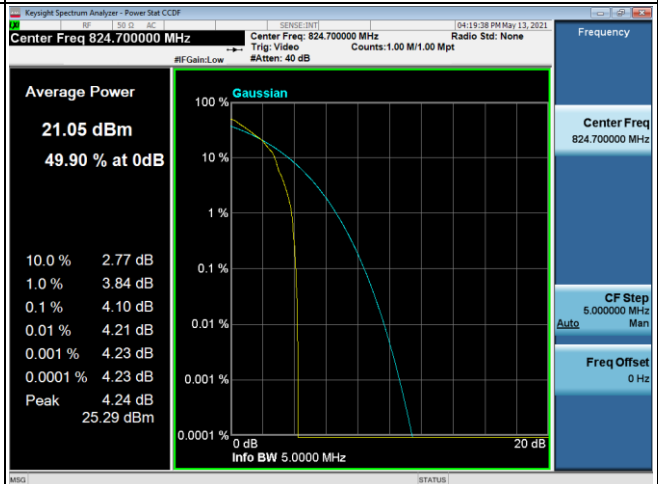
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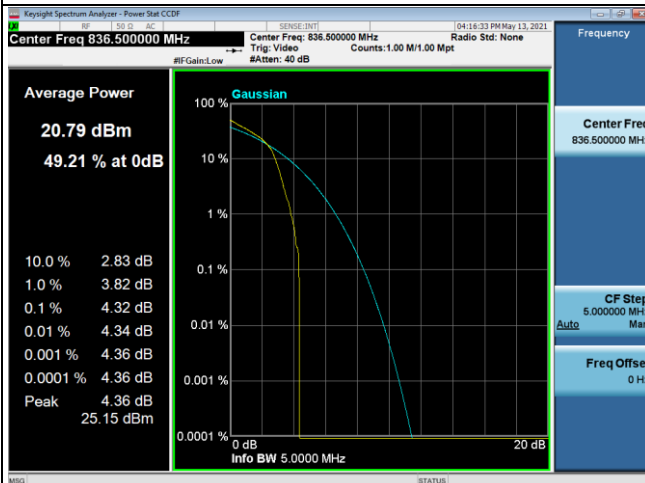
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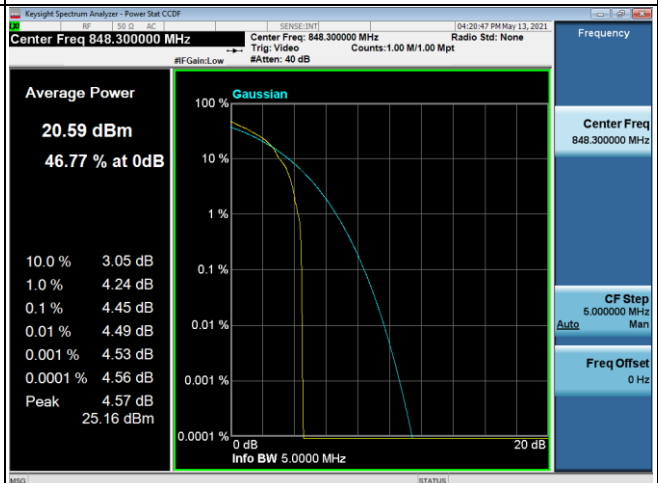
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16QAM-20525

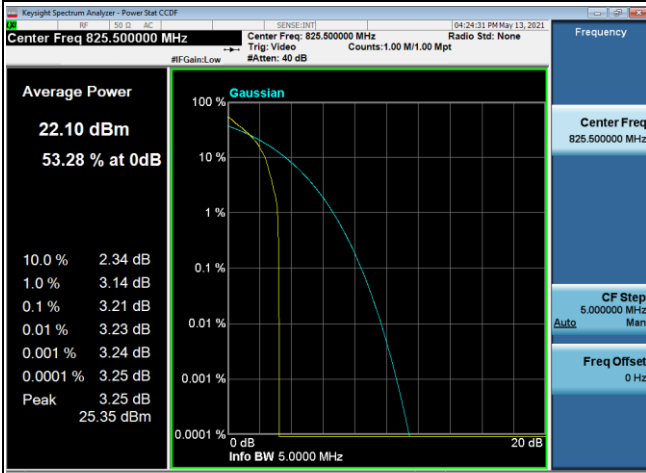


16QAM-20643

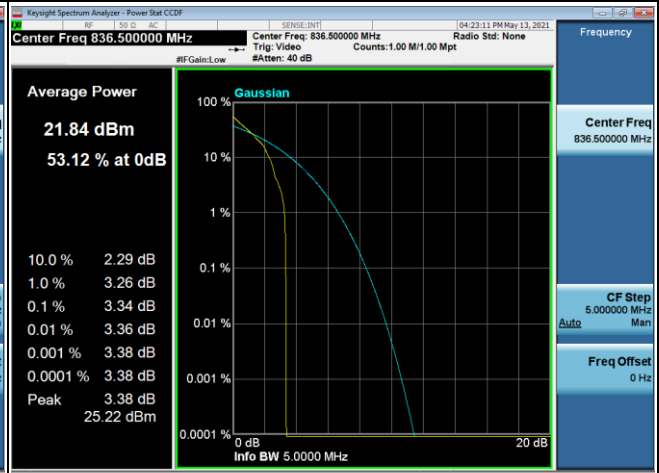


## LTE Band 5\_3M Spectrum Plot

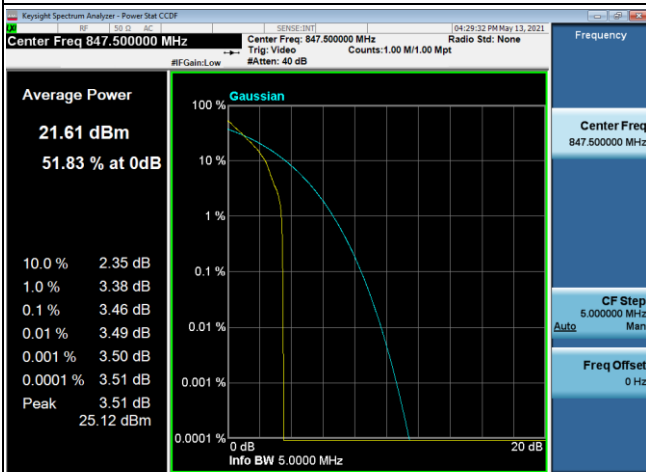
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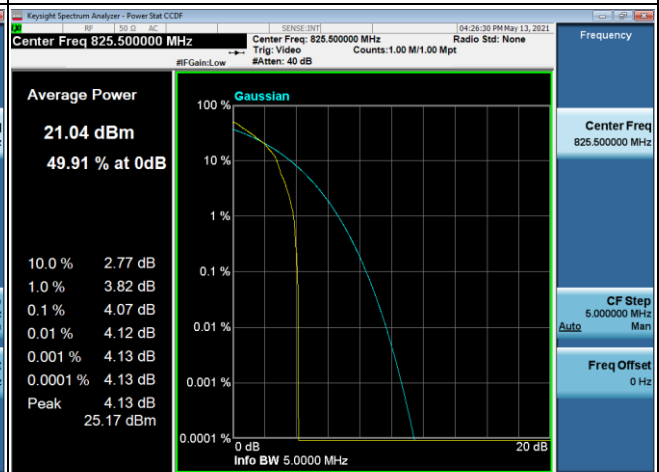
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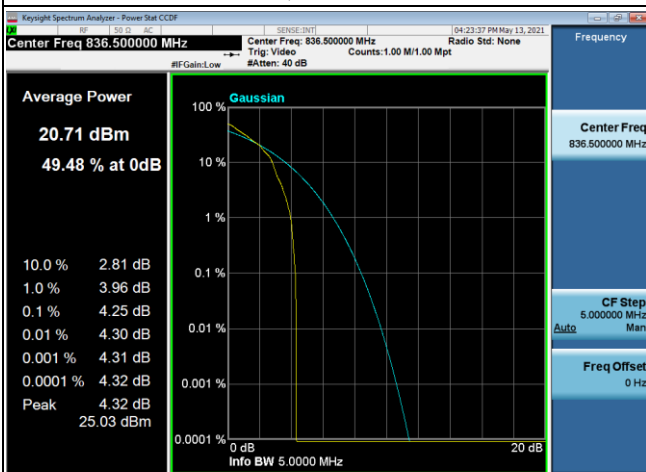
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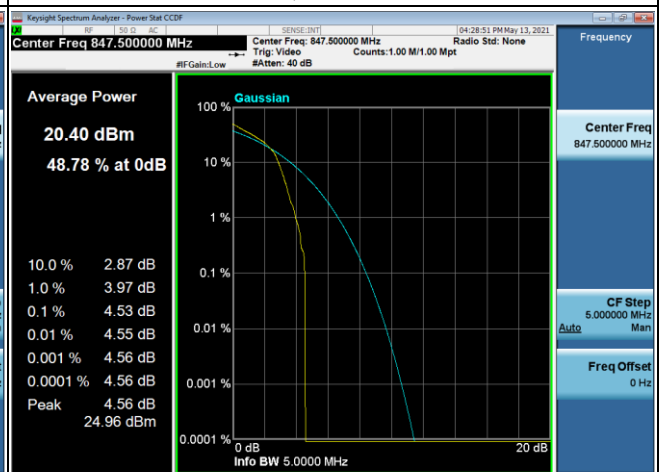
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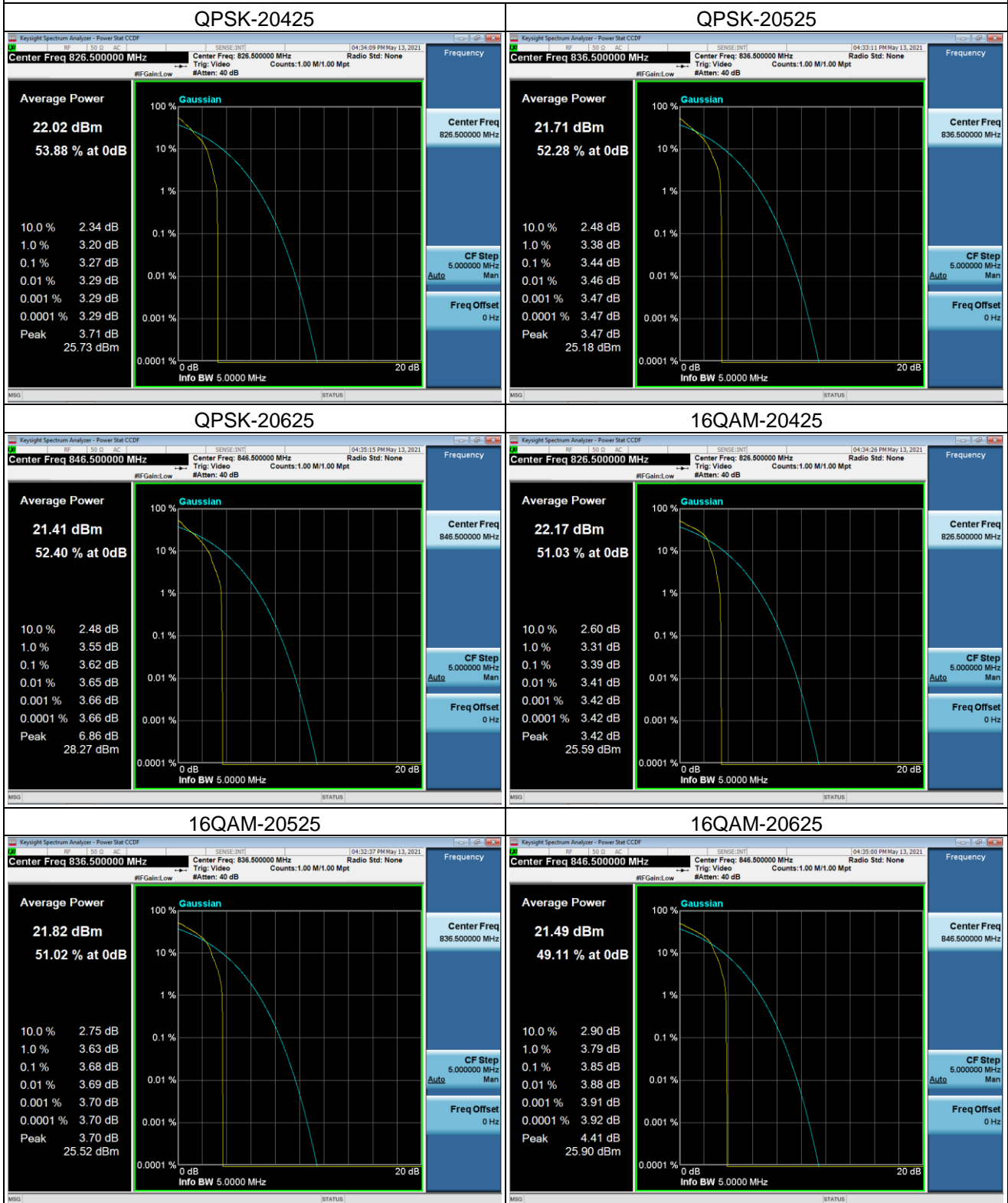
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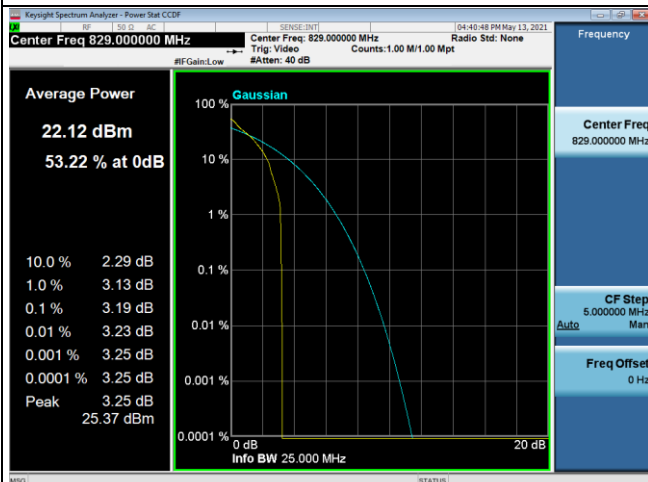


## LTE Band 5\_5M Spectrum Plot

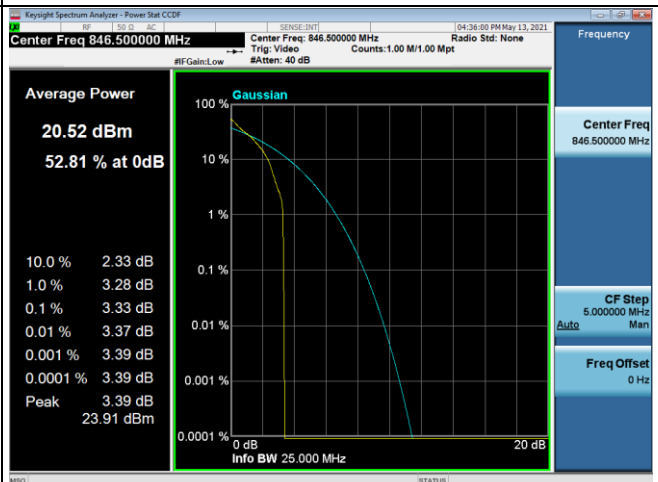


## LTE Band 5\_10M Spectrum Plot

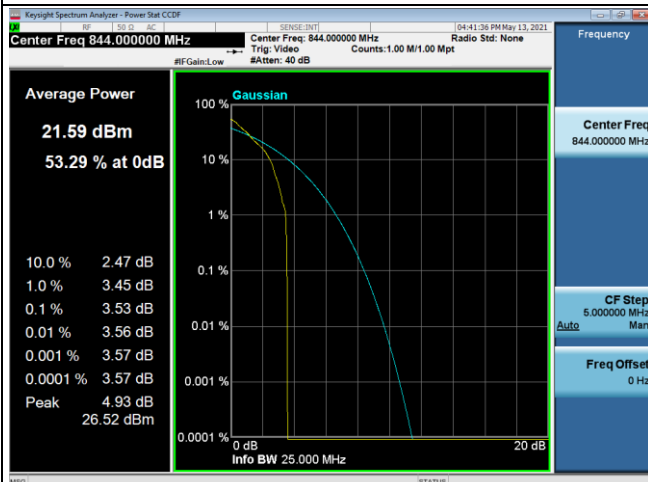
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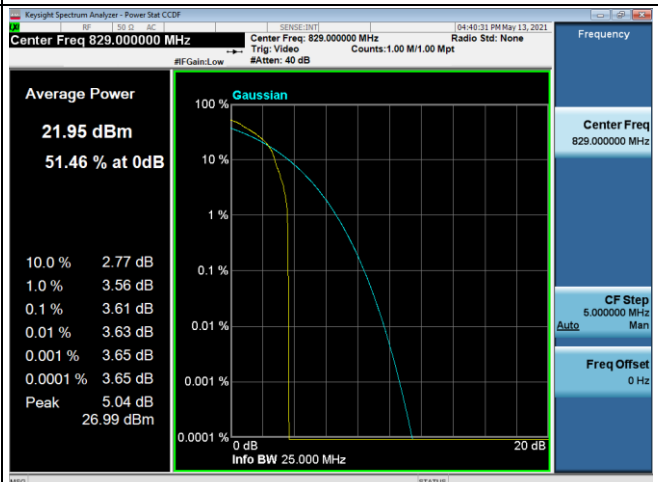
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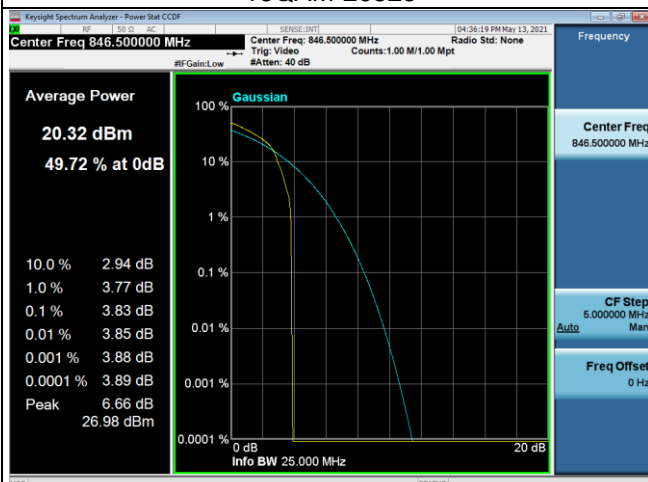
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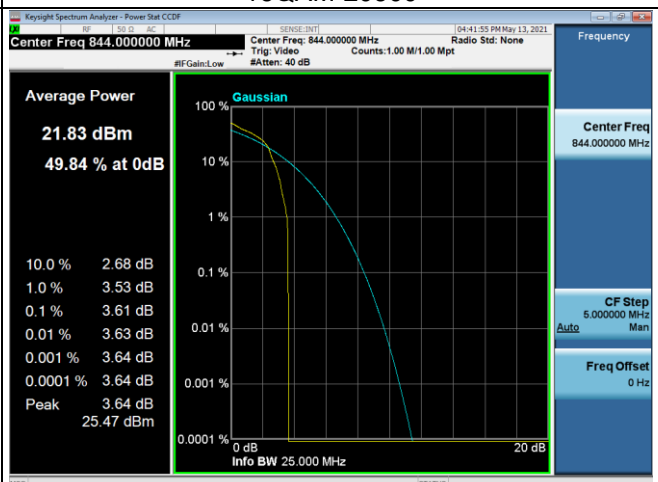
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16QAM-20525

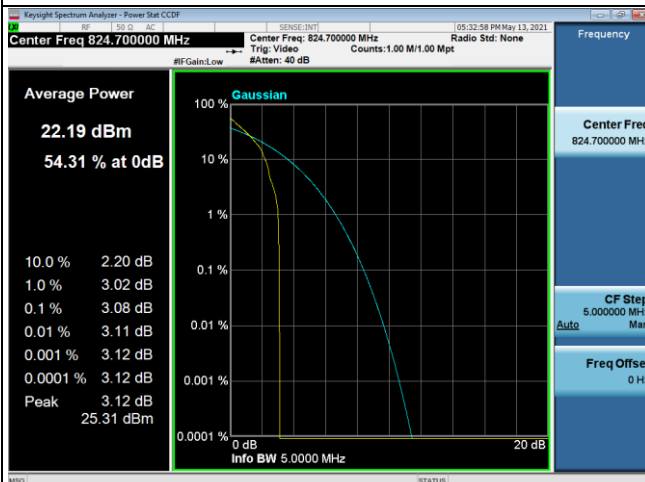


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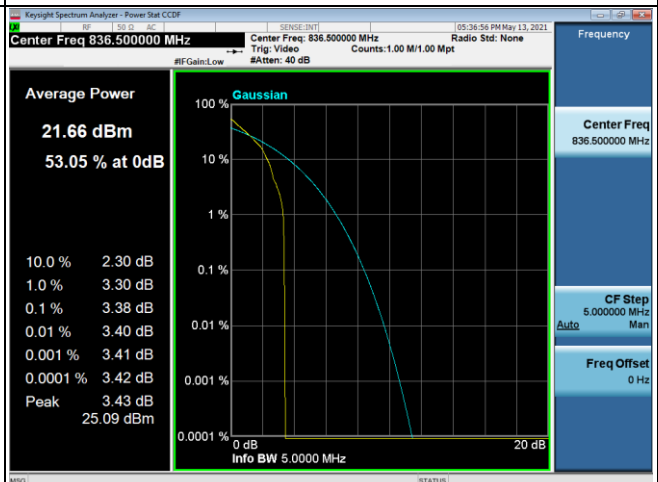


## LTE Band 26\_1.4M Spectrum Plot

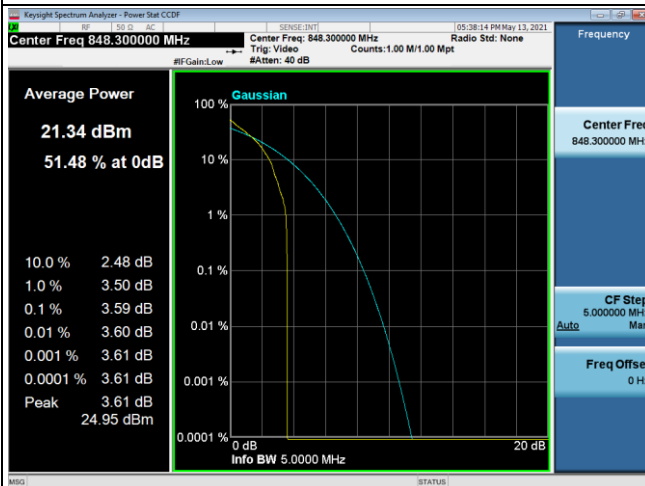
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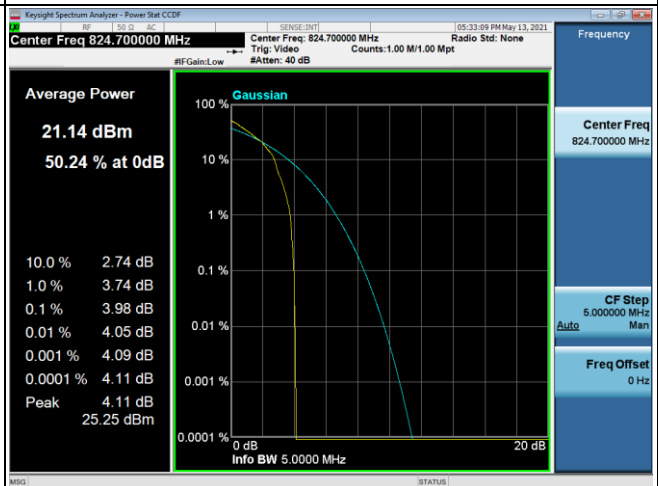
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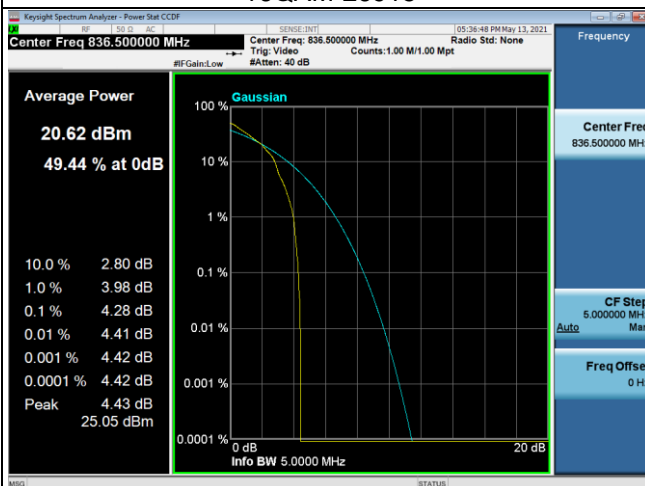
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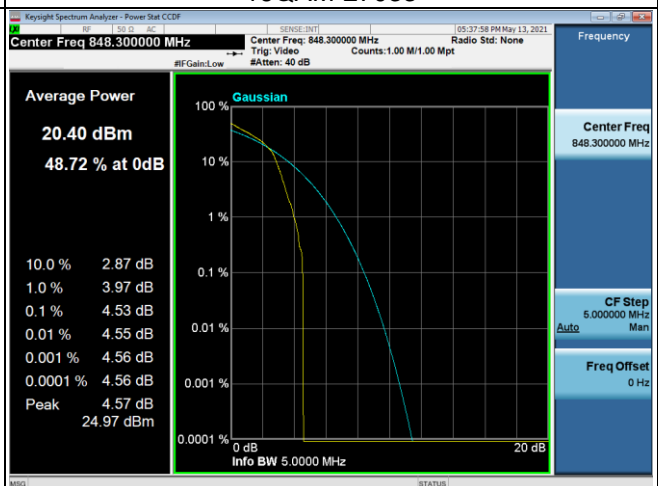
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16QAM-26915



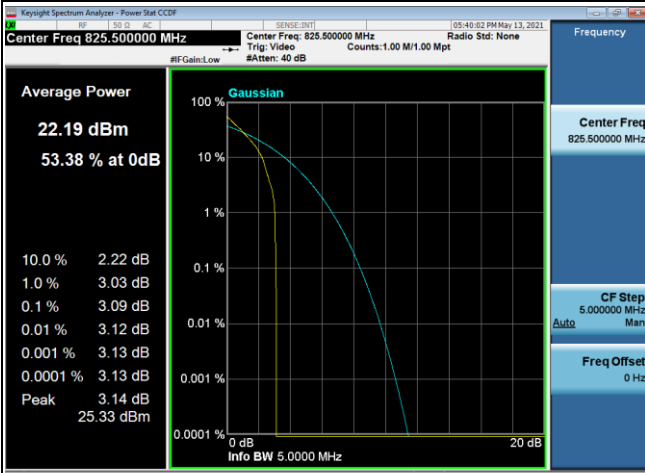
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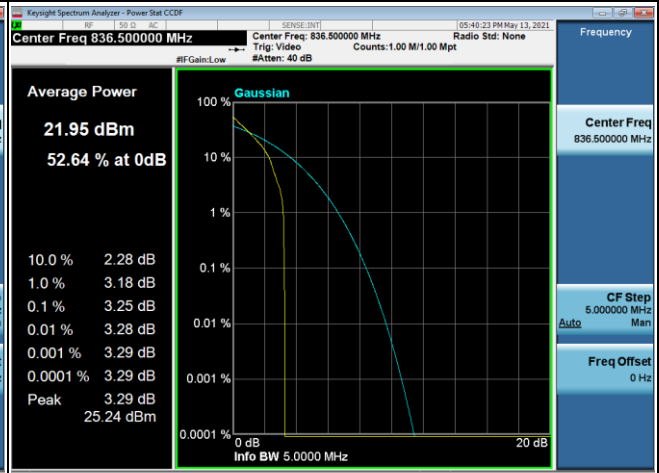


## LTE Band 26\_3M Spectrum Plot

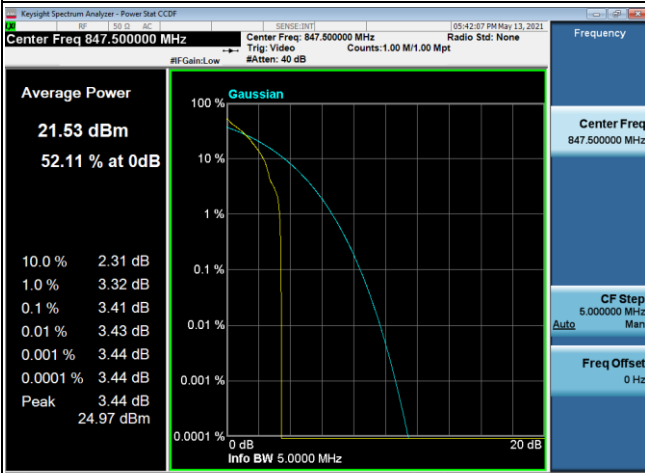
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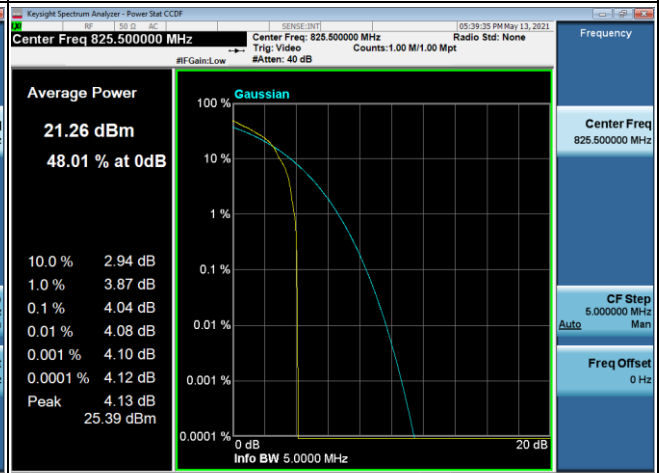
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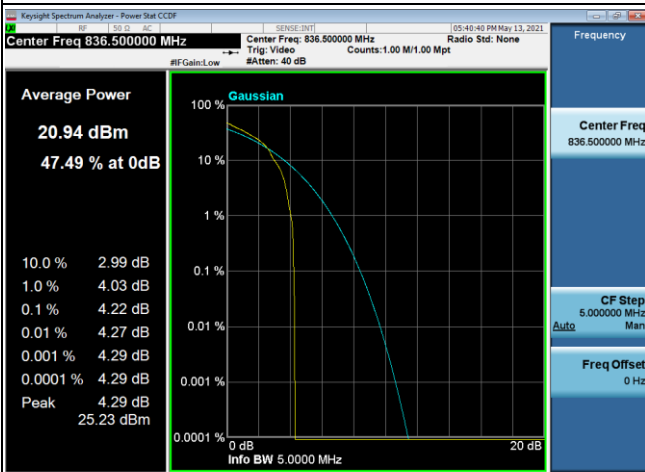
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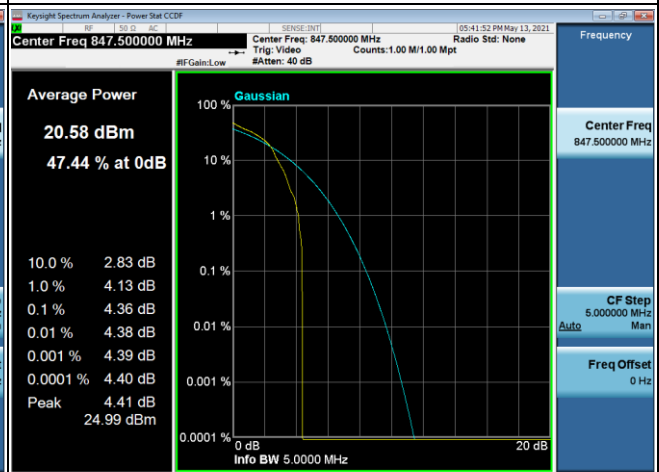
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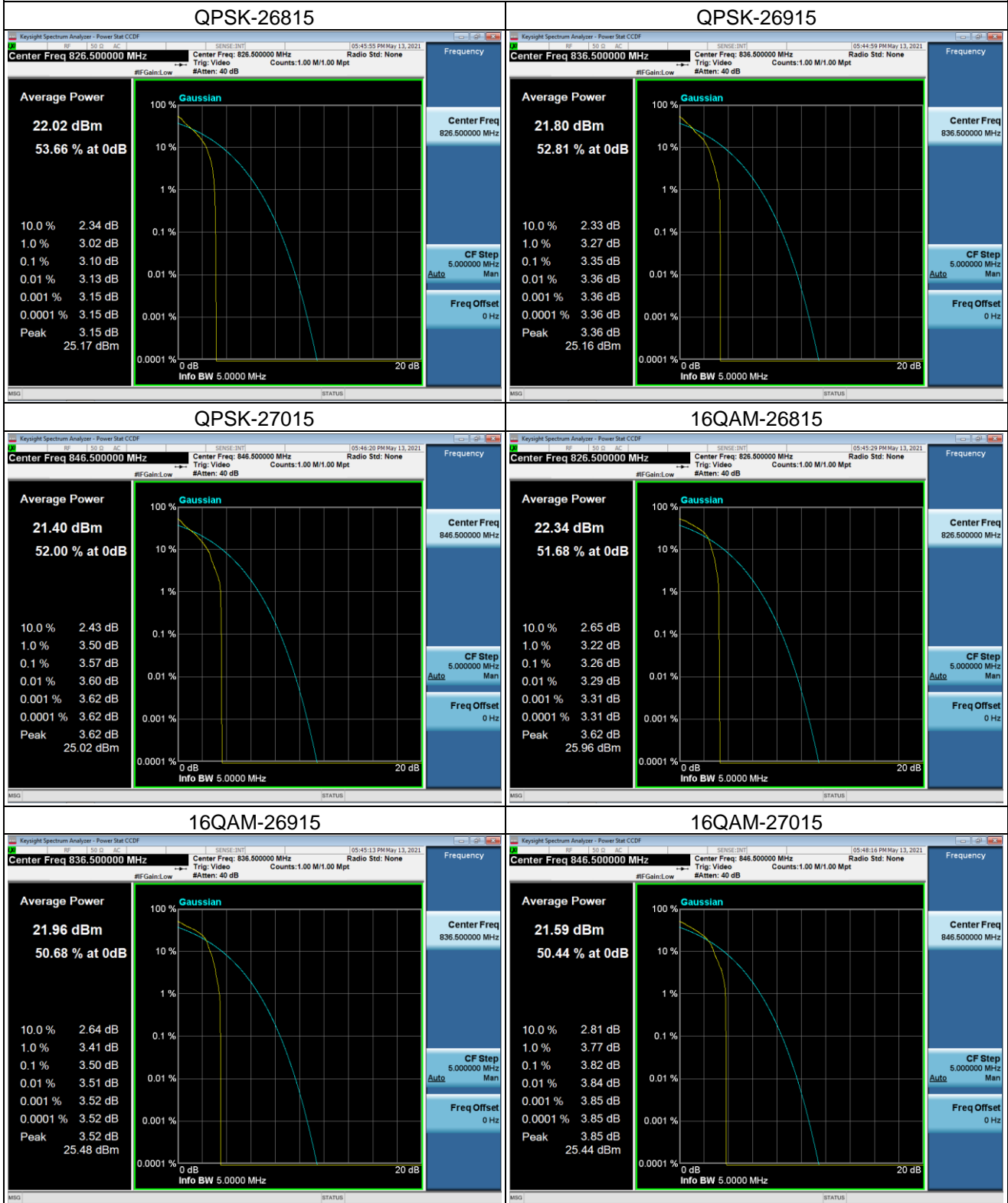
16QAM-26915



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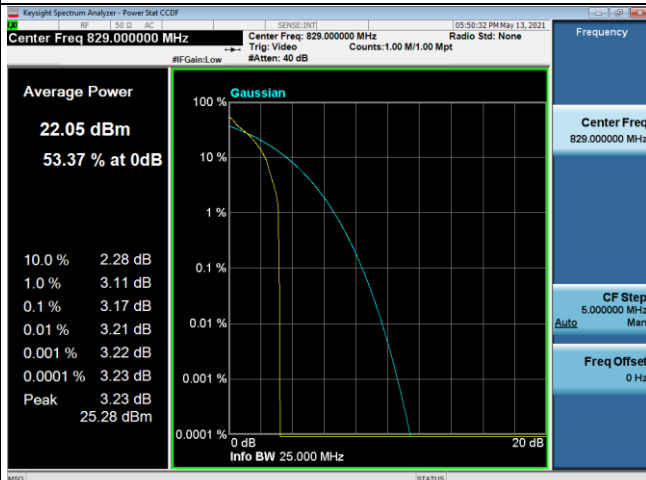


## LTE Band 26\_5M Spectrum Plot

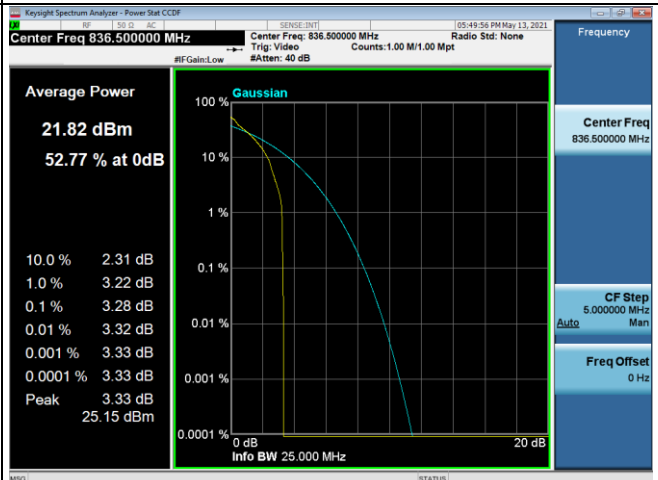


## LTE Band 26\_10M Spectrum Plot

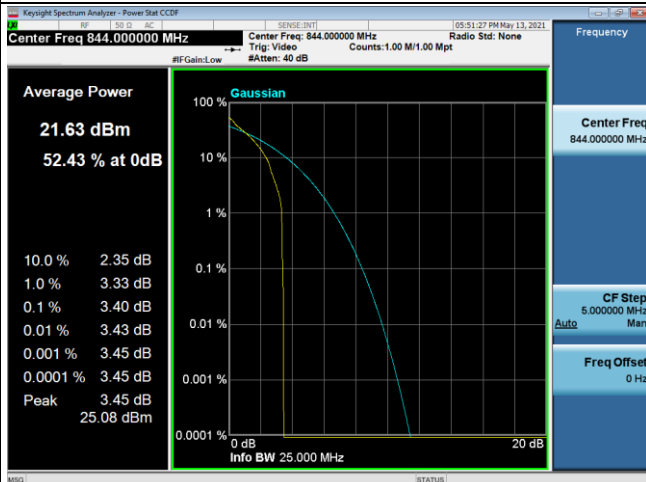
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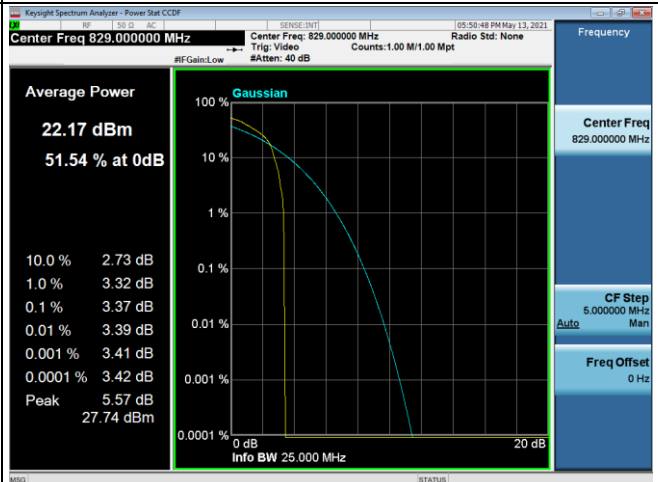
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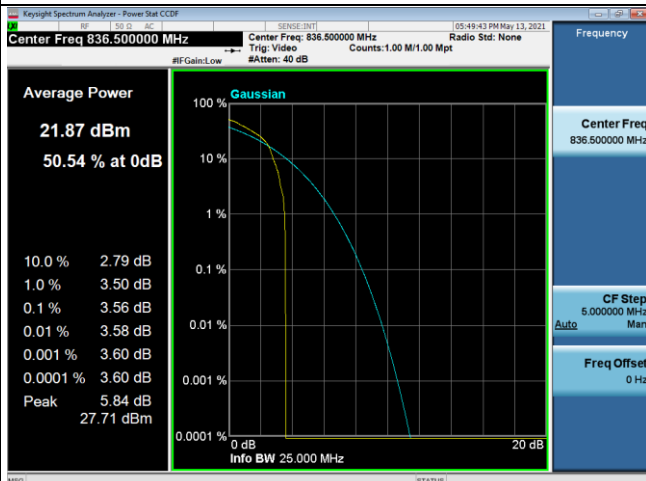
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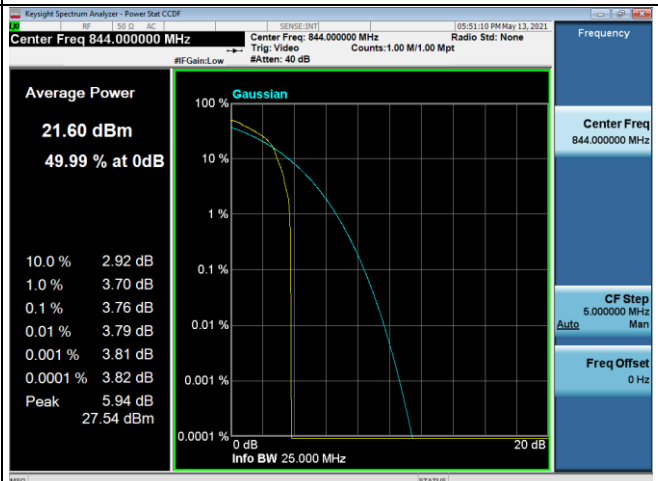
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16QAM-26915

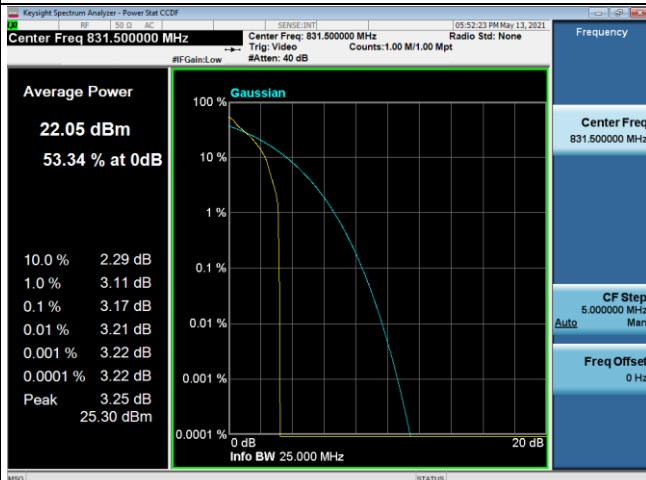


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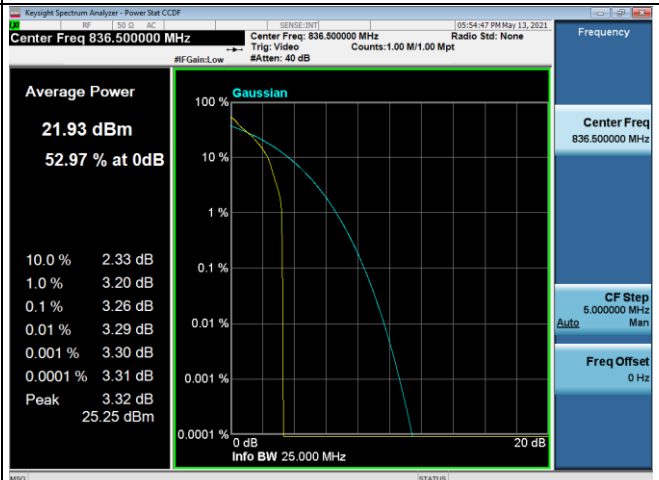


## LTE Band 26\_15M Spectrum Plot

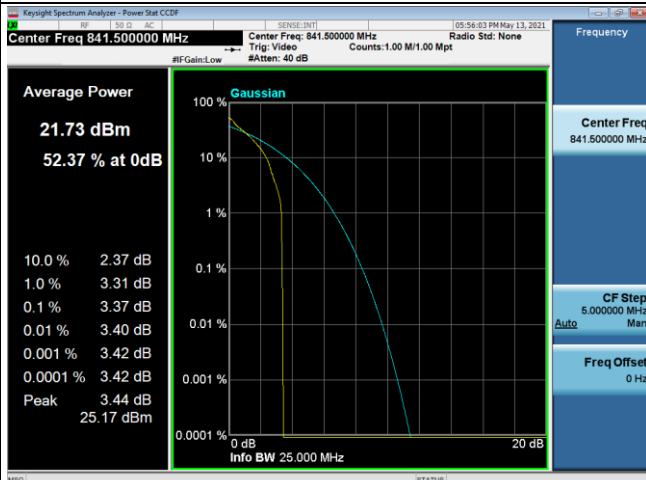
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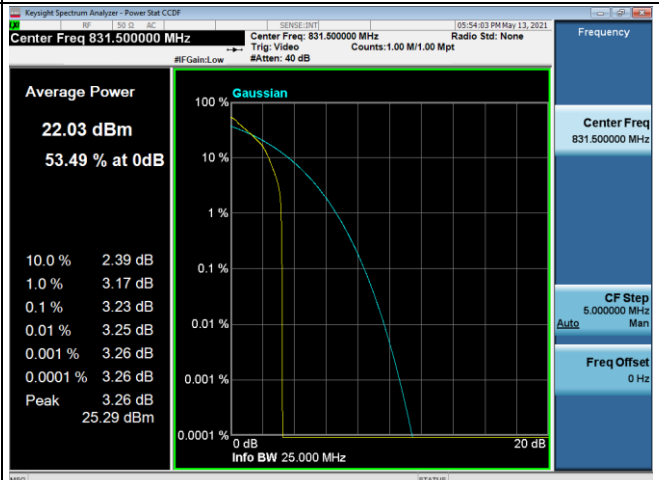
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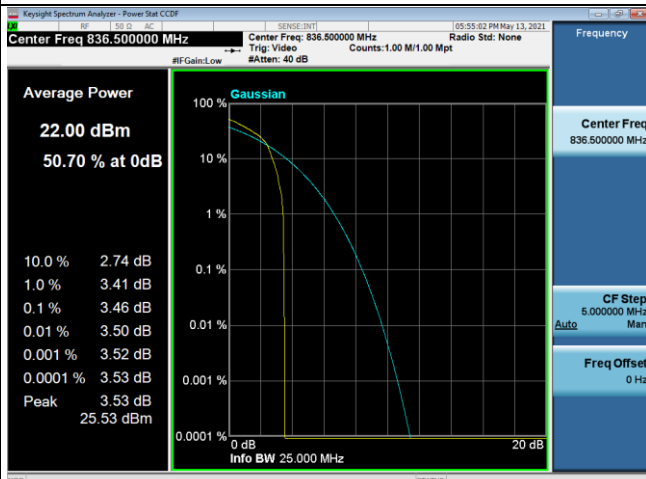
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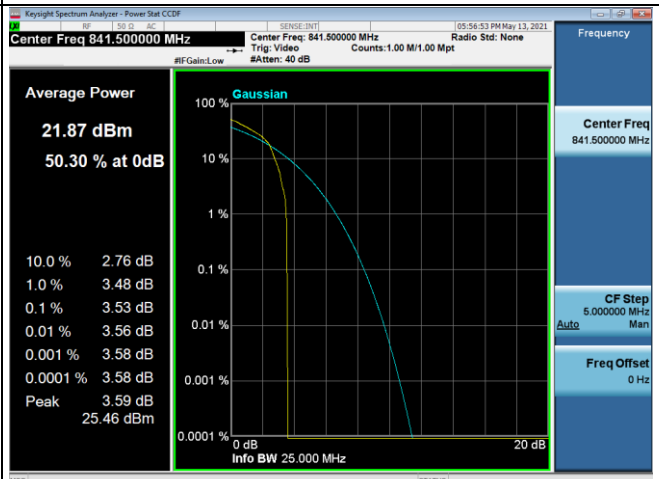
16QAM-26865



16QAM-26915



16QAM-26965



## 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	3.34	0.00399235	±2.5
-10	4.21	0.005032273	
0	3.36	0.004016256	
10	5.6	0.00669376	
20	6.22	0.007434855	
30	4.26	0.005092039	
40	4.36	0.005211571	
50	3.36	0.004016256	
60	1.21	0.00144633	
Max. Deviation (ppm)	6.22	0.007434855	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	3.65	0.004362897	±2.5
3.7	4.26	0.005092039	
3.3	3.78	0.004518288	
Max. Deviation (ppm)	4.26	0.005092039	

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	-3.76	-0.004494919	±2.5
-10	5.59	0.006682606	
0	6.22	0.007435744	
10	-3.16	-0.003777645	
20	1.22	0.001458458	
30	2.55	0.003048416	
40	-4.04	-0.004829647	
50	-2.78	-0.003323371	
60	6.52	0.007794381	
Max. Deviation (ppm)	6.52	0.007794381	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-3.96	-0.004734011	±2.5
3.7	3.82	0.004566647	
3.3	4.81	0.005750149	
Max. Deviation (ppm)	4.81	0.005750149	

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	5.74	0.006861925	±2.5
-10	3.85	0.00460251	
0	1.06	0.001267185	
10	-5.50	-0.006575015	
20	-4.82	-0.005762104	
30	6.28	0.007507472	
40	-3.94	-0.004710102	
50	-6.08	-0.00726838	
60	-4.27	-0.005104603	
Max. Deviation (ppm)	6.28	0.007507472	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-4.84	-0.005786013	±2.5
3.7	-5.95	-0.007112971	
3.3	-3.82	-0.004566647	
Max. Deviation (ppm)	-5.95	-0.007112971	



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	-5.86	-0.00700538	±2.5
-10	-3.77	-0.004506874	
0	3.21	0.003837418	
10	-3.75	-0.004482965	
20	1.98	0.002367005	
30	2.92	0.003490735	
40	5.18	0.006192469	
50	3.48	0.004160191	
60	4.48	0.005355649	
Max. Deviation (ppm)	-5.86	-0.00700538	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	4.13	0.004937238	±2.5
3.7	1.17	0.001398685	
3.3	5.63	0.006730424	
Max. Deviation (ppm)	5.63	0.006730424	

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	-6.42	-0.007674836	±2.5
-10	-2.87	-0.003430962	
0	6.96	0.008320383	
10	-5.37	-0.006419605	
20	6.41	0.007662881	
30	2.22	0.002653915	
40	4.52	0.005403467	
50	1.90	0.002271369	
60	-5.78	-0.006909743	
Max. Deviation (ppm)	6.96	0.008320383	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-3.55	-0.004243873	±2.5
3.7	-6.11	-0.007304244	
3.3	6.31	0.007543335	
Max. Deviation (ppm)	6.31	0.007543335	

Test Mode	LTE Band 26_CH26915_1.4M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	3.49	0.004172146	±2.5
-10	-5.83	-0.006969516	
0	-2.49	-0.002976689	
10	-1.77	-0.002115959	
20	-5.81	-0.006945607	
30	6.36	0.007603108	
40	-5.56	-0.006646742	
50	7.22	0.008631201	
60	-2.89	-0.003454871	
Max. Deviation (ppm)	7.22	0.008631201	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-6.43	-0.00768679	±2.5
3.7	2.43	0.002904961	
3.3	-2.29	-0.002737597	
Max. Deviation (ppm)	-6.43	-0.00768679	

Test Mode	LTE Band 26_CH26915_3M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	6.96	0.008320383	±2.5
-10	-5.26	-0.006288105	
0	3.20	0.003825463	
10	3.07	0.003670054	
20	2.04	0.002438733	
30	-3.55	-0.004243873	
40	-1.26	-0.001506276	
50	-3.32	-0.003968918	
60	-4.62	-0.005523013	
Max. Deviation (ppm)	6.96	0.008320383	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	2.52	0.003012552	±2.5
3.7	-2.23	-0.00266587	
3.3	5.38	0.00643156	
Max. Deviation (ppm)	5.38	0.00643156	

Test Mode	LTE Band 26_CH26915_5M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	2.87	0.003430962	±2.5
-10	6.49	0.007758518	
0	5.83	0.006969516	
10	-4.32	-0.005164375	
20	5.29	0.006323969	
30	4.07	0.004865511	
40	4.21	0.005032875	
50	-6.74	-0.008057382	
60	-3.37	-0.004028691	
Max. Deviation (ppm)	-6.74	-0.008057382	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	6.61	0.007901973	±2.5
3.7	-4.63	-0.005534967	
3.3	-1.42	-0.001697549	
Max. Deviation (ppm)	6.61	0.007901973	

Test Mode	LTE Band 26_CH26915_10M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	3.29	0.003933054	±2.5
-10	-5.27	-0.00630006	
0	2.68	0.003203825	
10	3.67	0.004387328	
20	2.83	0.003383144	
30	-2.91	-0.003478781	
40	4.72	0.005642558	
50	-2.76	-0.003299462	
60	3.24	0.003873282	
Max. Deviation (ppm)	-5.27	-0.00630006	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	2.31	0.002761506	±2.5
3.7	2.71	0.003239689	
3.3	6.13	0.007328153	
Max. Deviation (ppm)	6.13	0.007328153	

Test Mode	LTE Band 26_CH26915_15M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.44	-0.006503288	±2.5
-10	5.15	0.006156605	
0	-1.86	-0.002223551	
10	1.52	0.001817095	
20	-5.77	-0.006897788	
30	2.61	0.003120143	
40	1.13	0.001350867	
50	-1.01	-0.001207412	
60	-5.85	-0.006993425	
Max. Deviation (ppm)	-5.85	-0.006993425	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	4.39	0.005248057	±2.5
3.7	1.57	0.001876868	
3.3	-3.55	-0.004243873	
Max. Deviation (ppm)	4.39	0.005248057	

End of Test Report