

LTE Band 4\_5M

1RB0

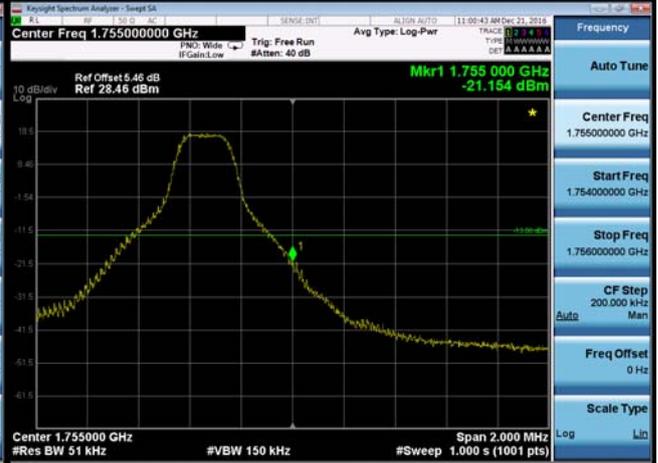
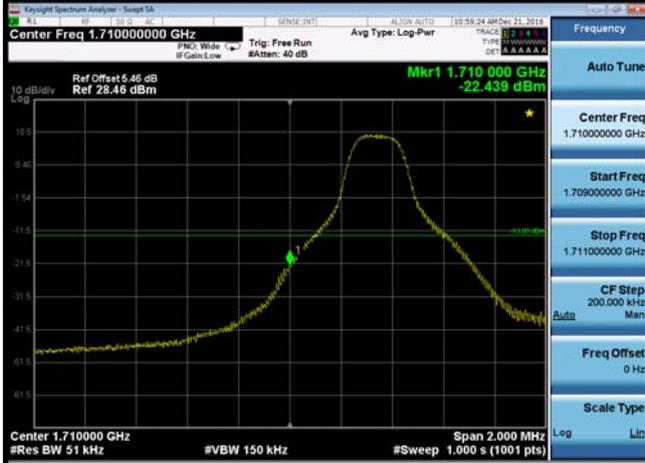
1RB24

Channel

19975

Channel

20375



25RB0

Channel

19975

Channel

20375



LTE Band 4\_10M

1RB0

1RB49

Channel

2000

Channel

20350



50RB0

Channel

2000

Channel

20350



LTE Band 4\_15M

1RB0

1RB74

Channel

20025

Channel

20325



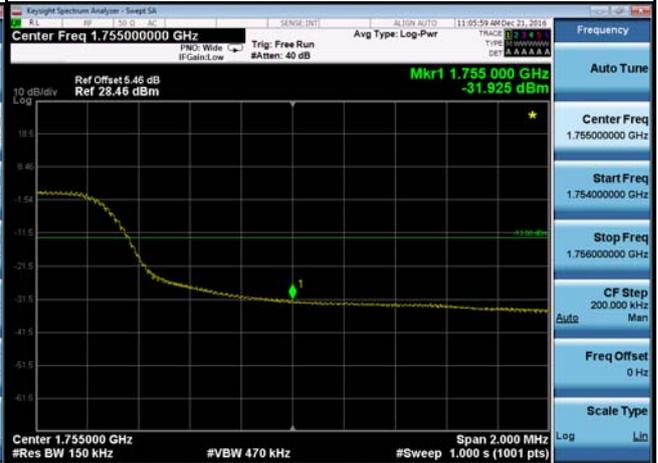
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Channel

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Channel

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LTE Band 4\_20M

1RB0

1RB99

Channel

20050

Channel

20300



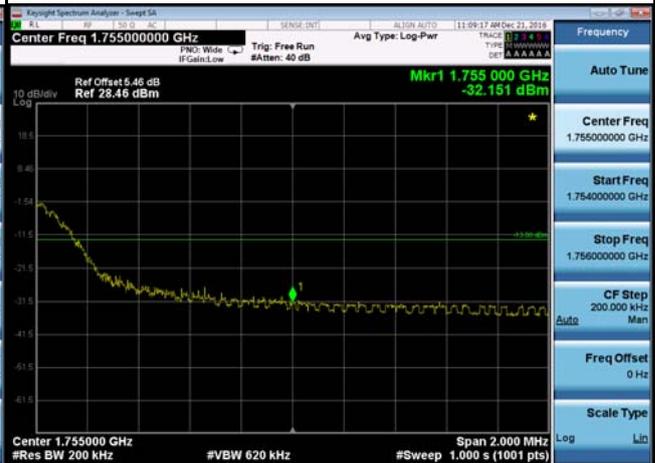
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Channel

20050

Channel

20300



LTE Band 7\_5M

1RB0

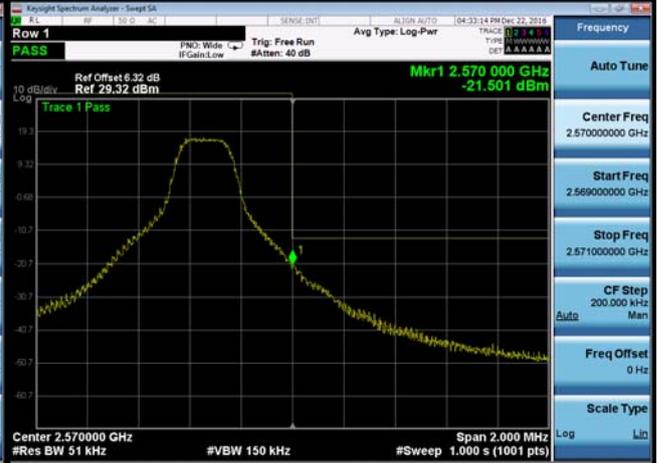
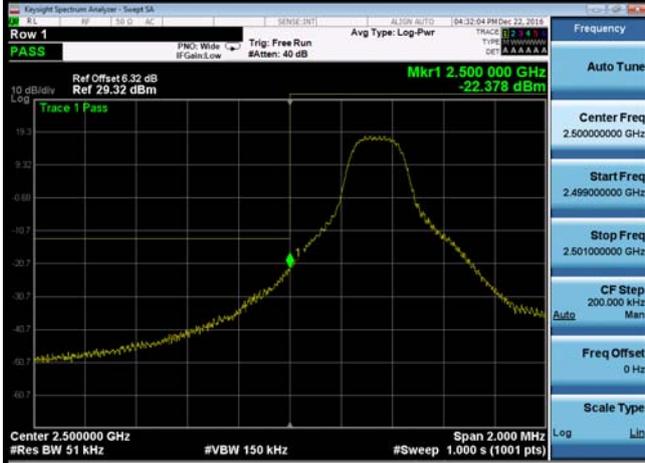
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Channel

20775

Channel

21425



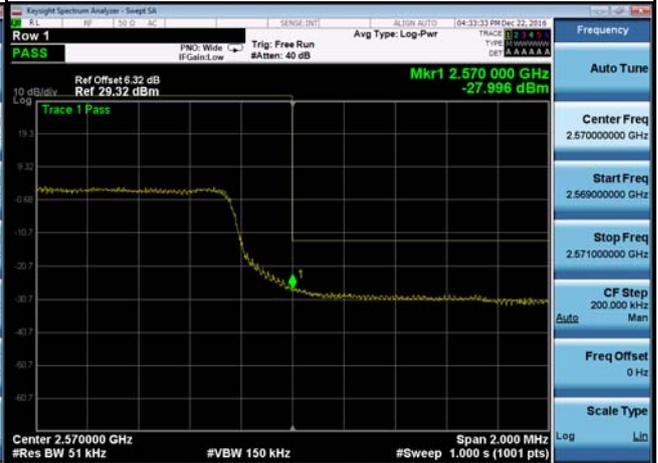
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Channel

20775

Channel

21425



LTE Band 7\_10M

1RB0

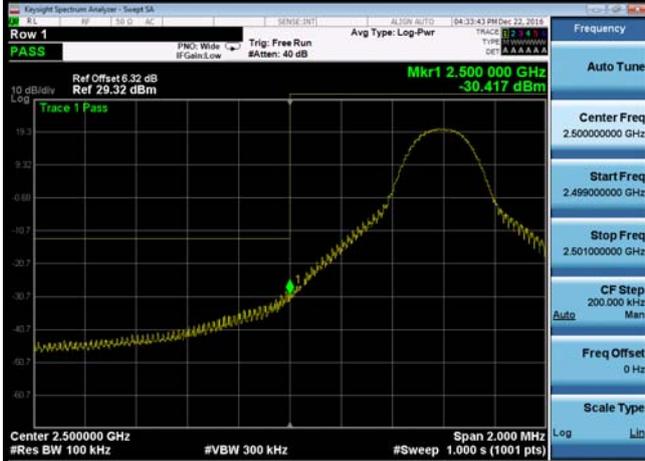
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Channel

20800

Channel

21400



50RB0

Channel

20800

Channel

21400



LTE Band 7\_15M

1RB0

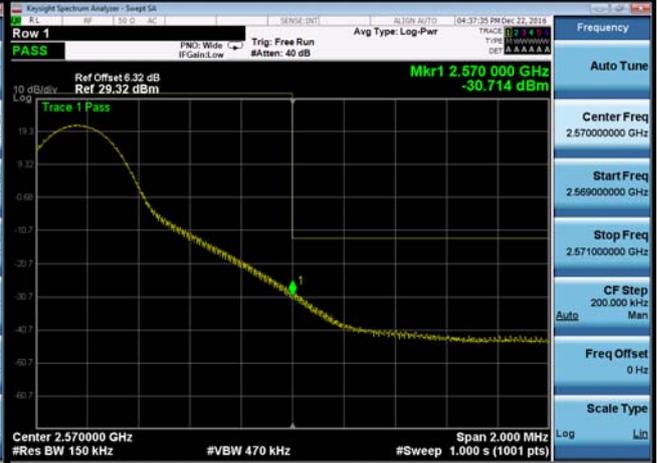
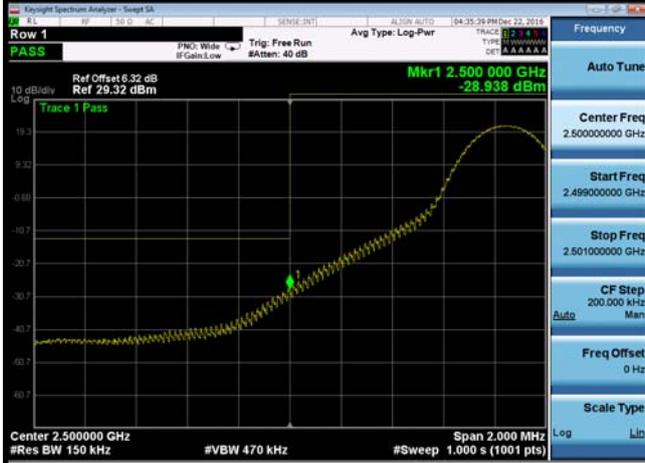
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Channel

20825

Channel

21375



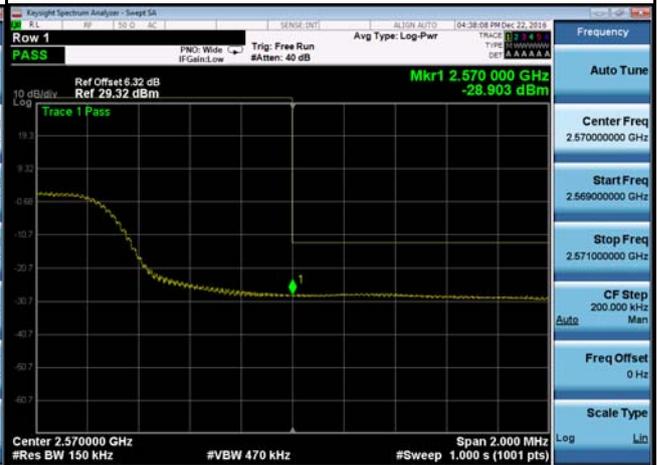
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Channel

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Channel

21375



LTE Band 7\_20M

1RB0

1RB99

Channel

20850

Channel

21350



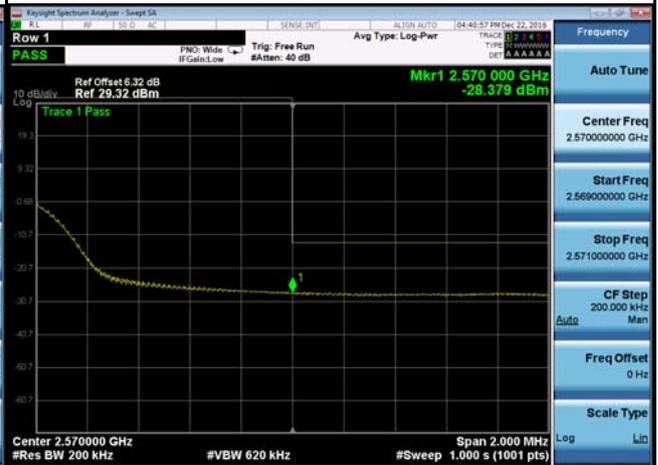
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Channel

20850

Channel

21350



LTE Band 12\_1.4M

1RB0

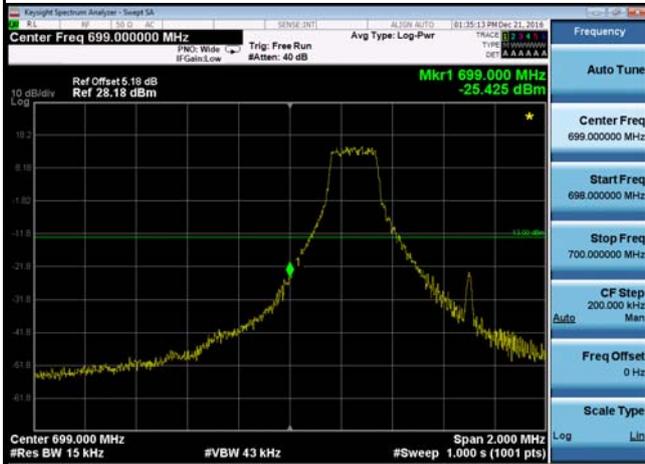
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Channel

23017

Channel

23173



6RB0

Channel

23017

Channel

13173



LTE Band 12\_3M

1RB0

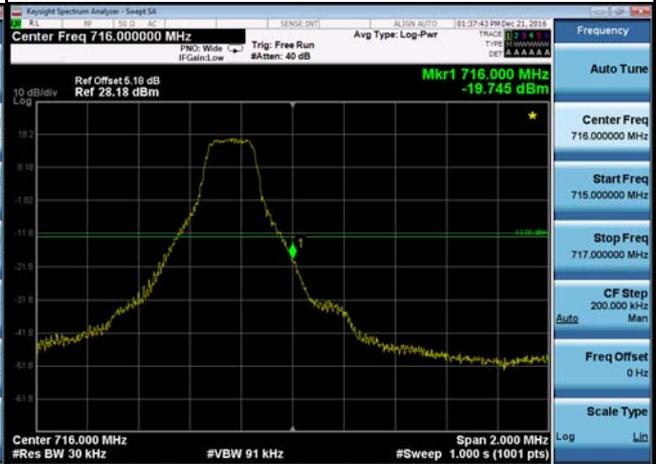
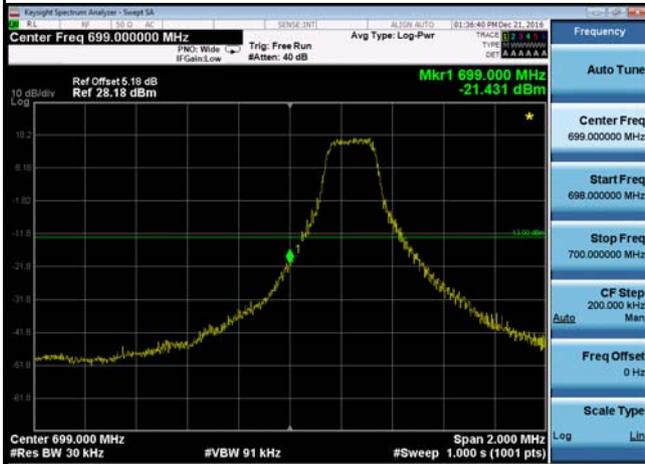
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Channel

23025

Channel

23165



15RB0

Channel

23025

Channel

23165



LTE Band 12\_5M

1RB0

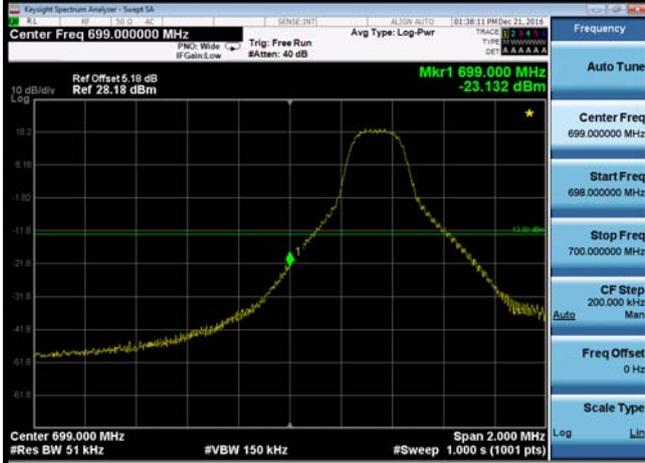
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Channel

23035

Channel

23155



25RB0

Channel

23035

Channel

23155



LTE Band 12\_10M

1RB0

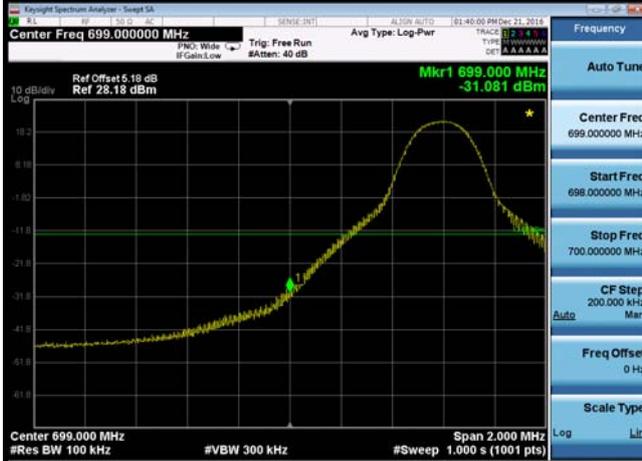
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Channel

23060

Channel

20350



50RB0

Channel

23060

Channel

20350



LTE Band 17\_5M

1RB0

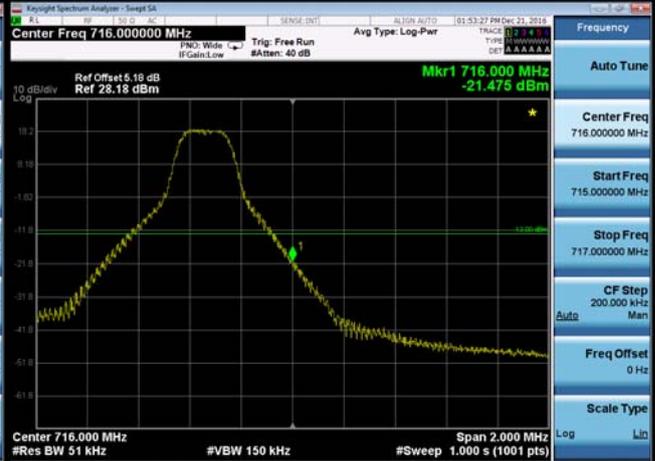
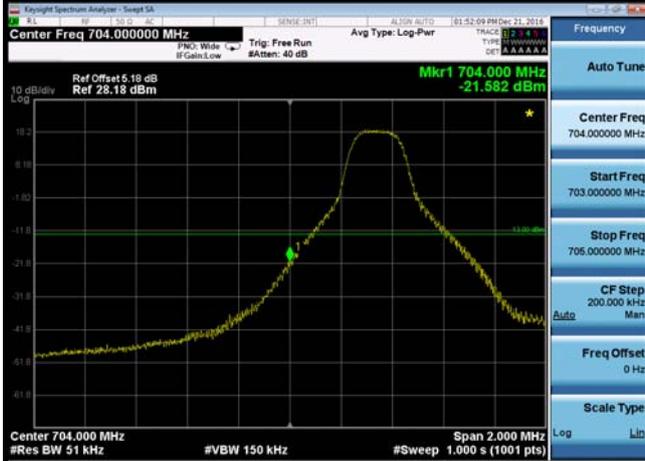
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Channel

23755

Channel

23825



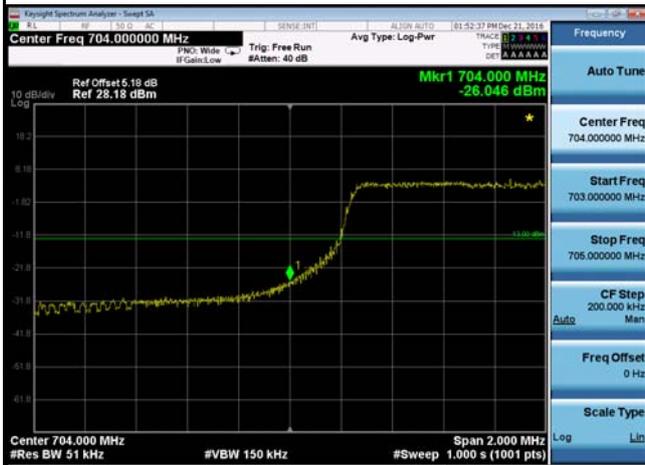
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Channel

23755

Channel

23825



LTE Band 17\_10M

1RB0

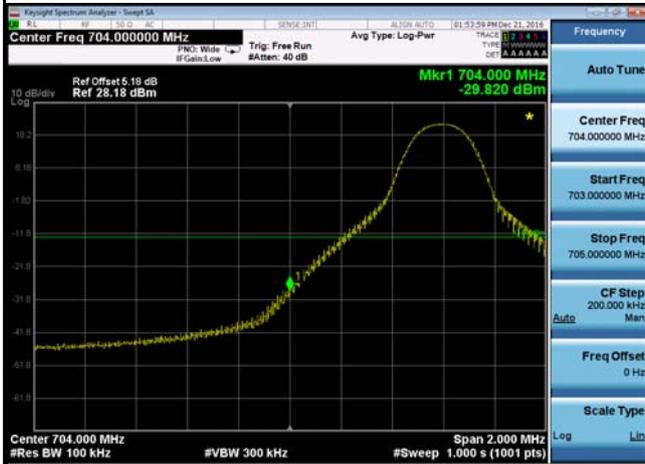
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Channel

23780

Channel

23800



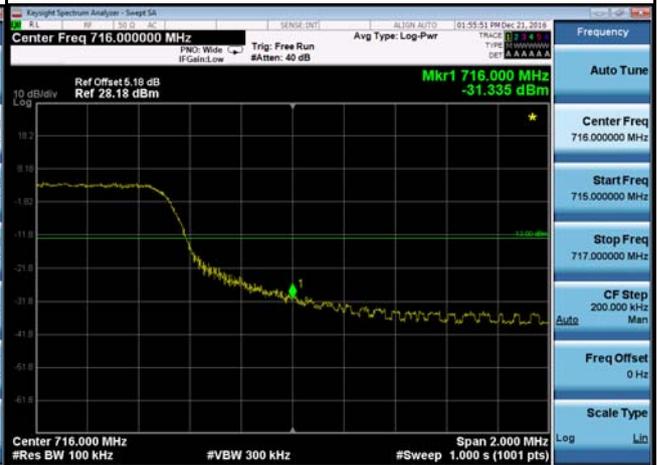
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Channel

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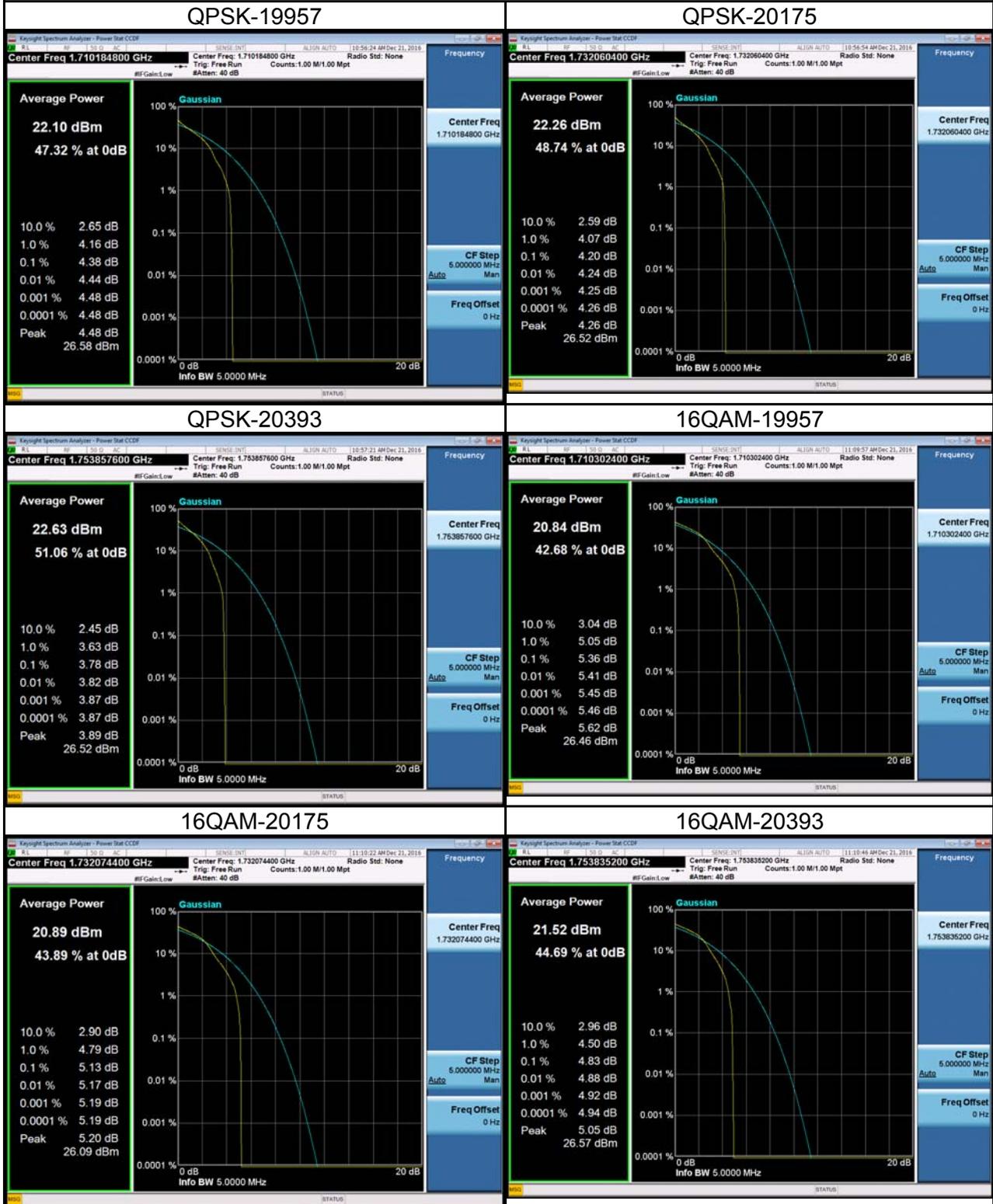
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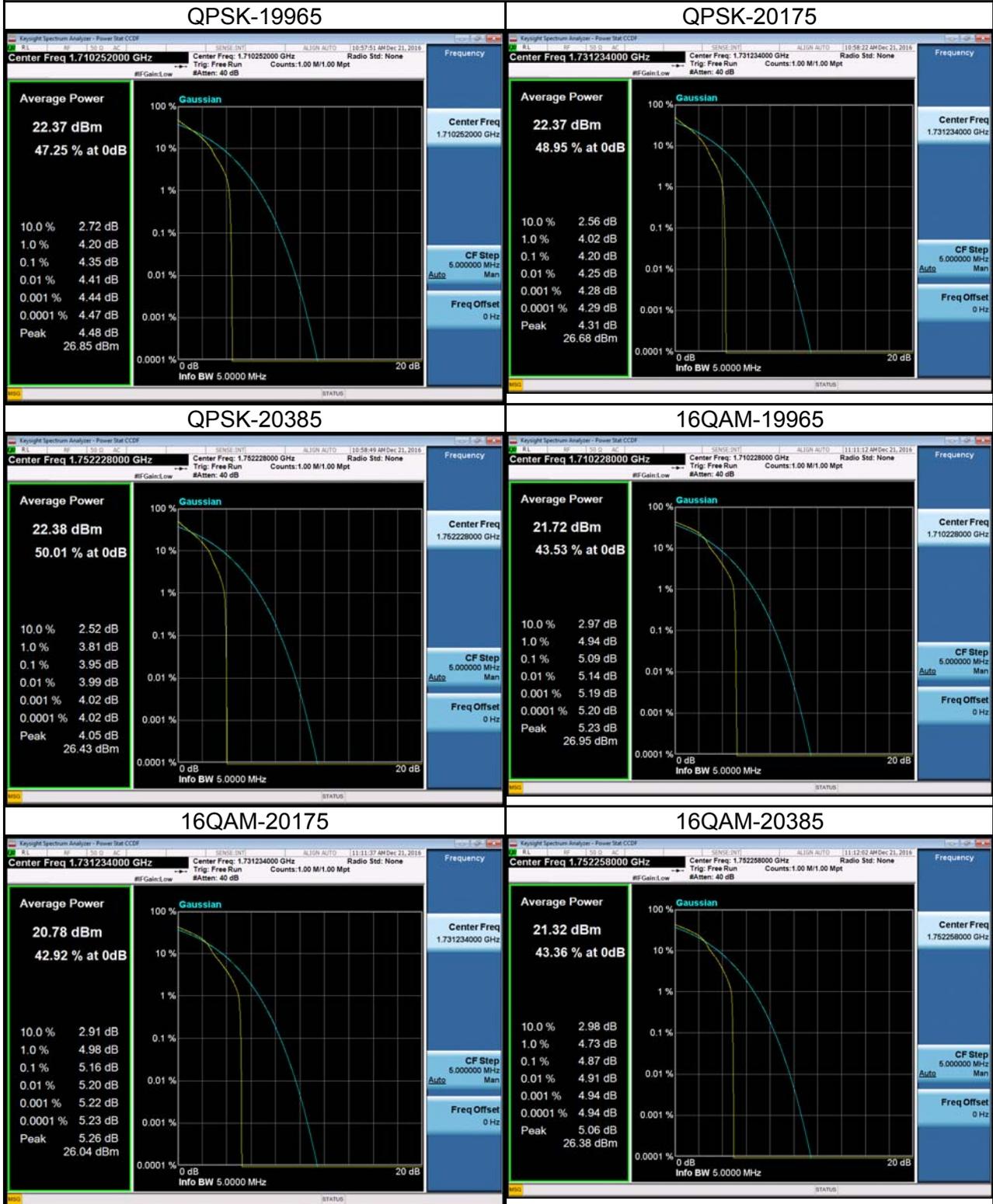


## ATTACHMENT F - PEAK TO AVERAGE RATIO

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



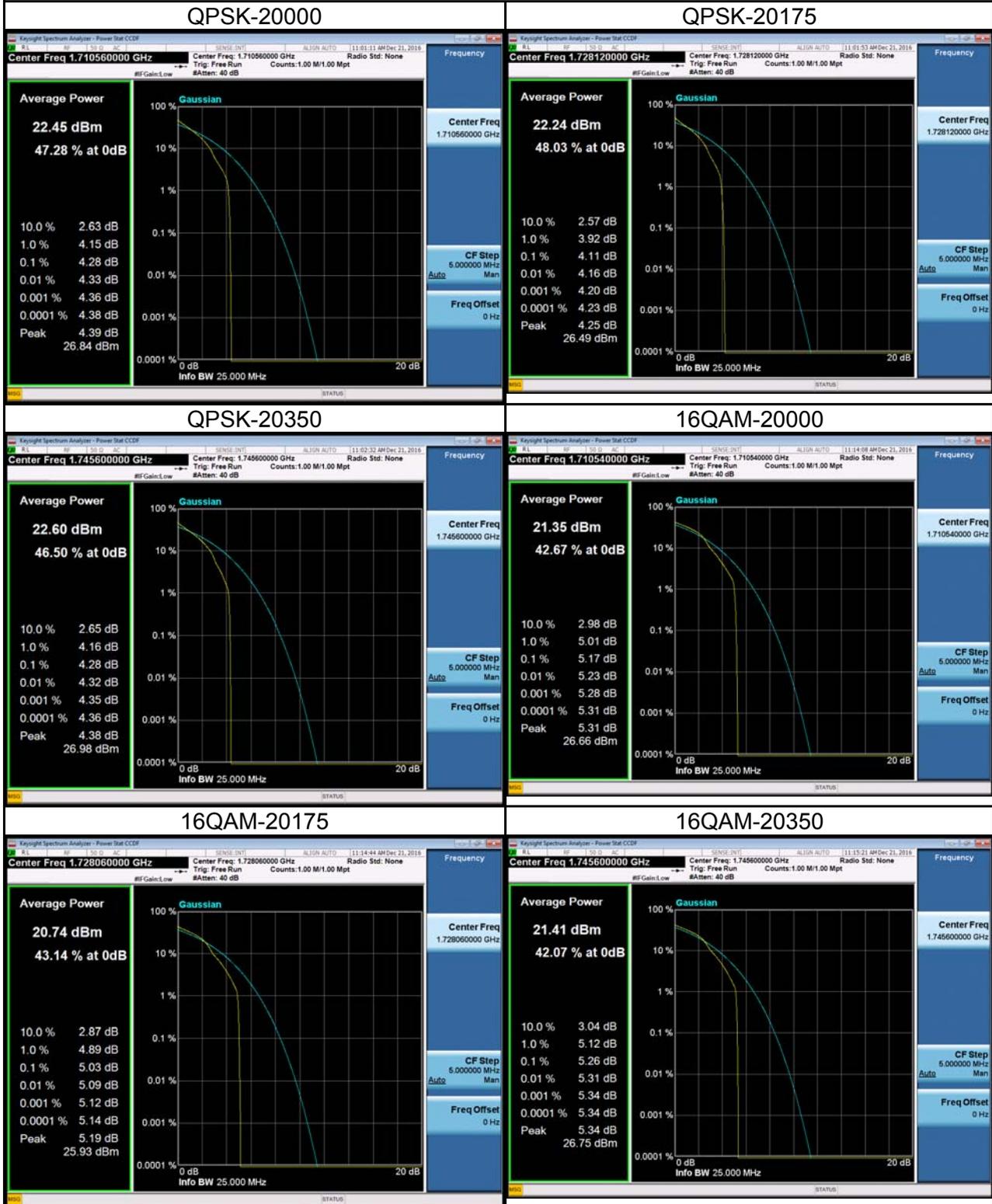
### LTE Band 4 Spectrum Plot\_3M



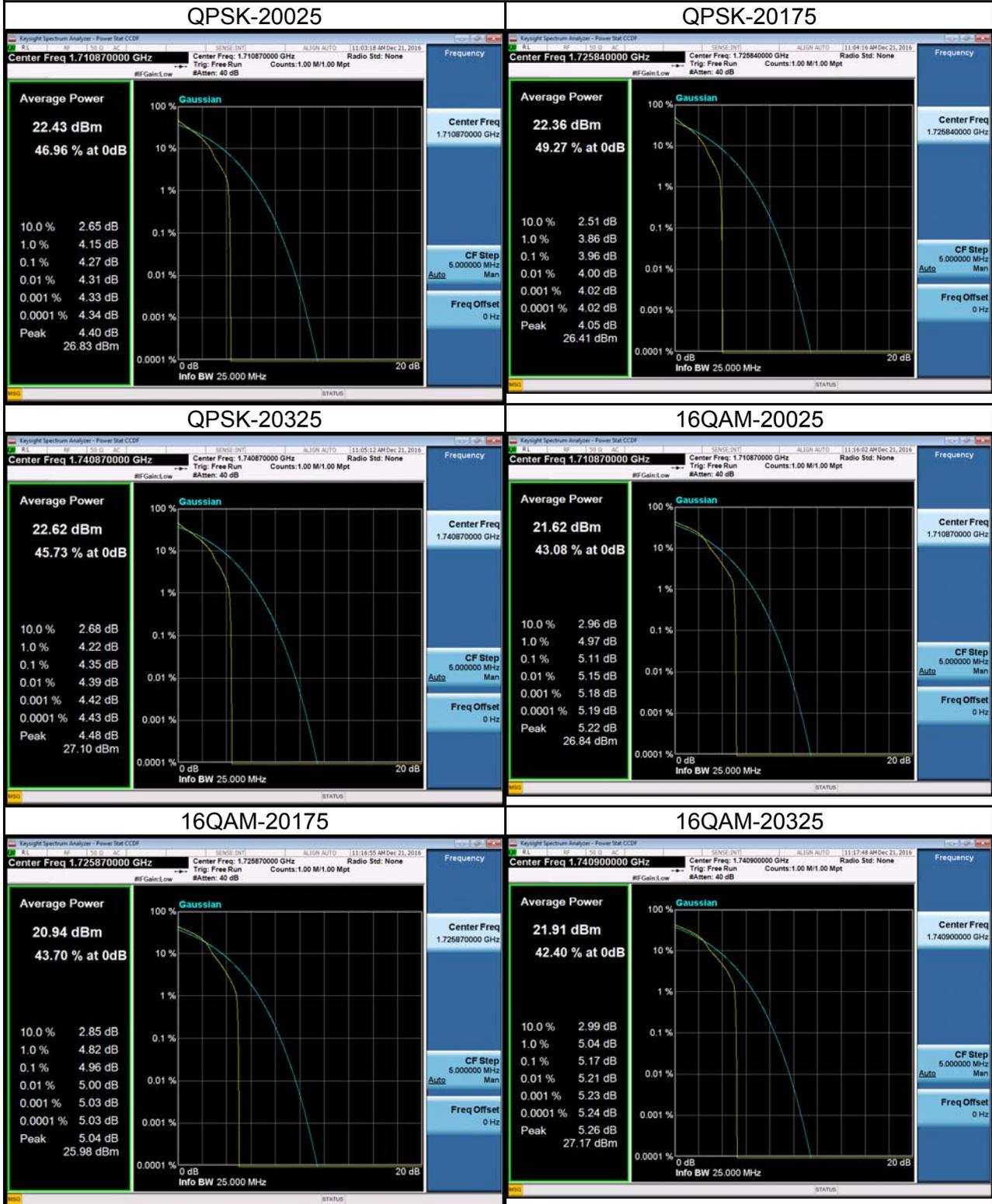
### LTE Band 4 Spectrum Plot\_5M



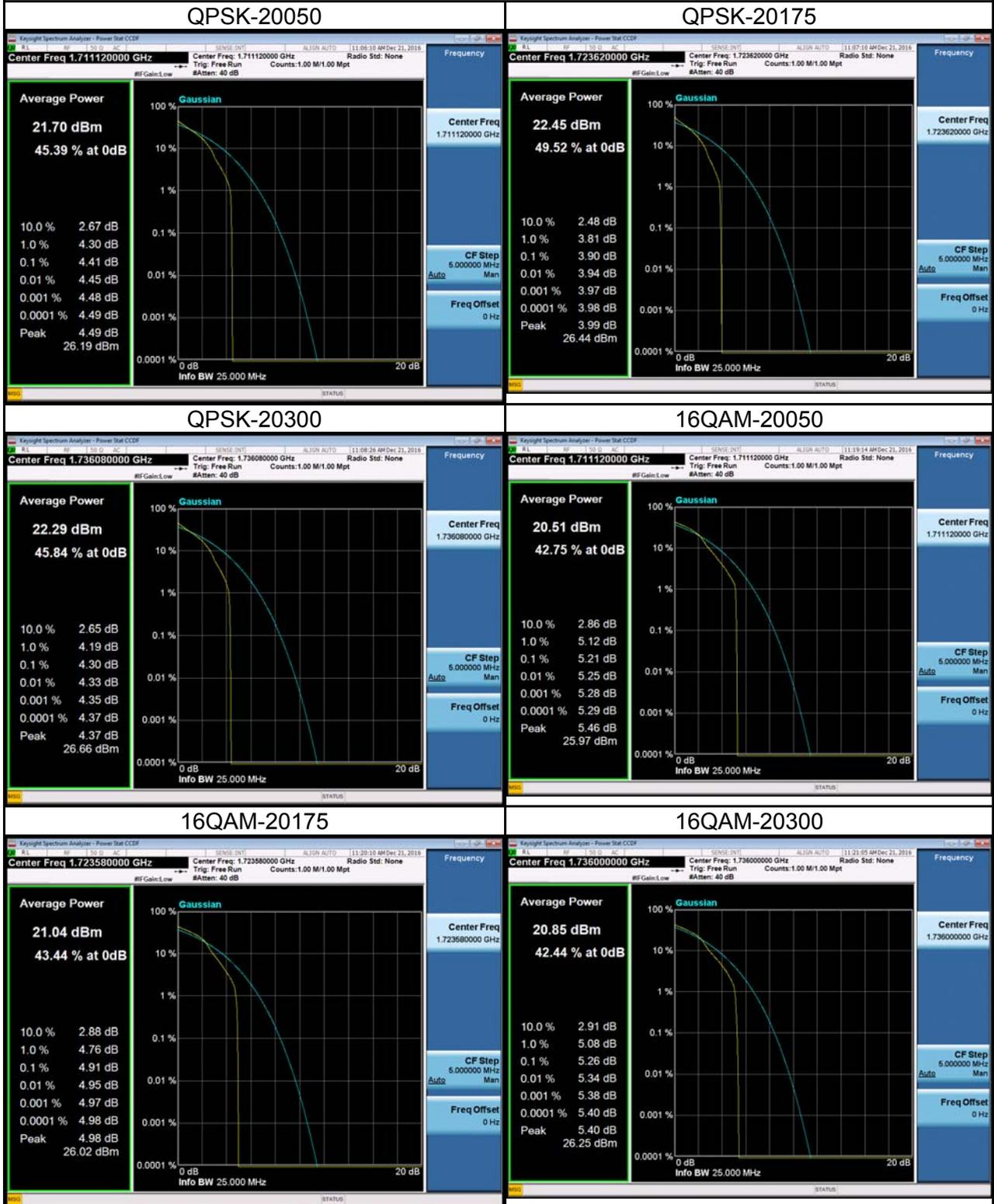
### LTE Band 4 Spectrum Plot\_10M



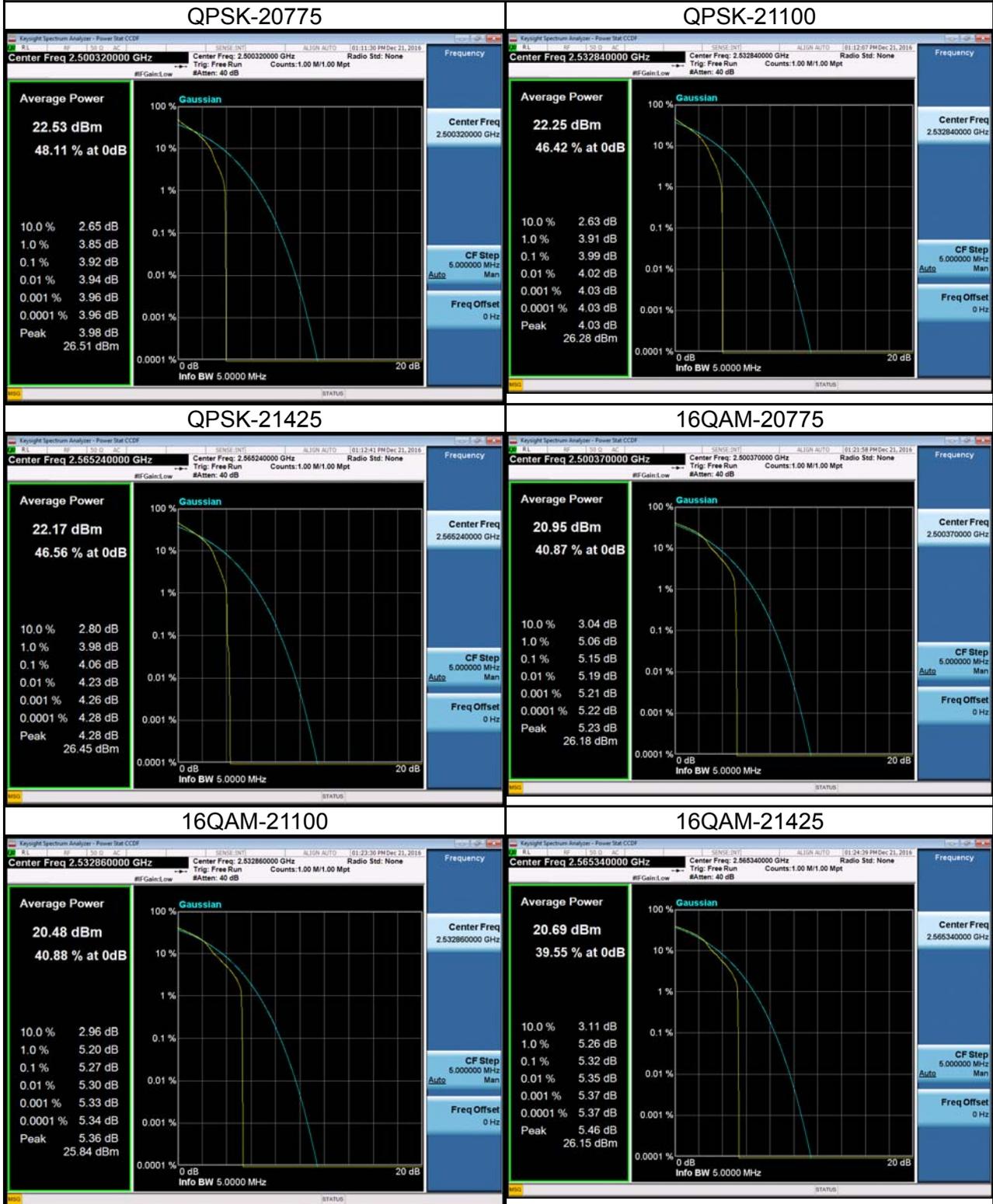
### LTE Band 4 Spectrum Plot\_15M



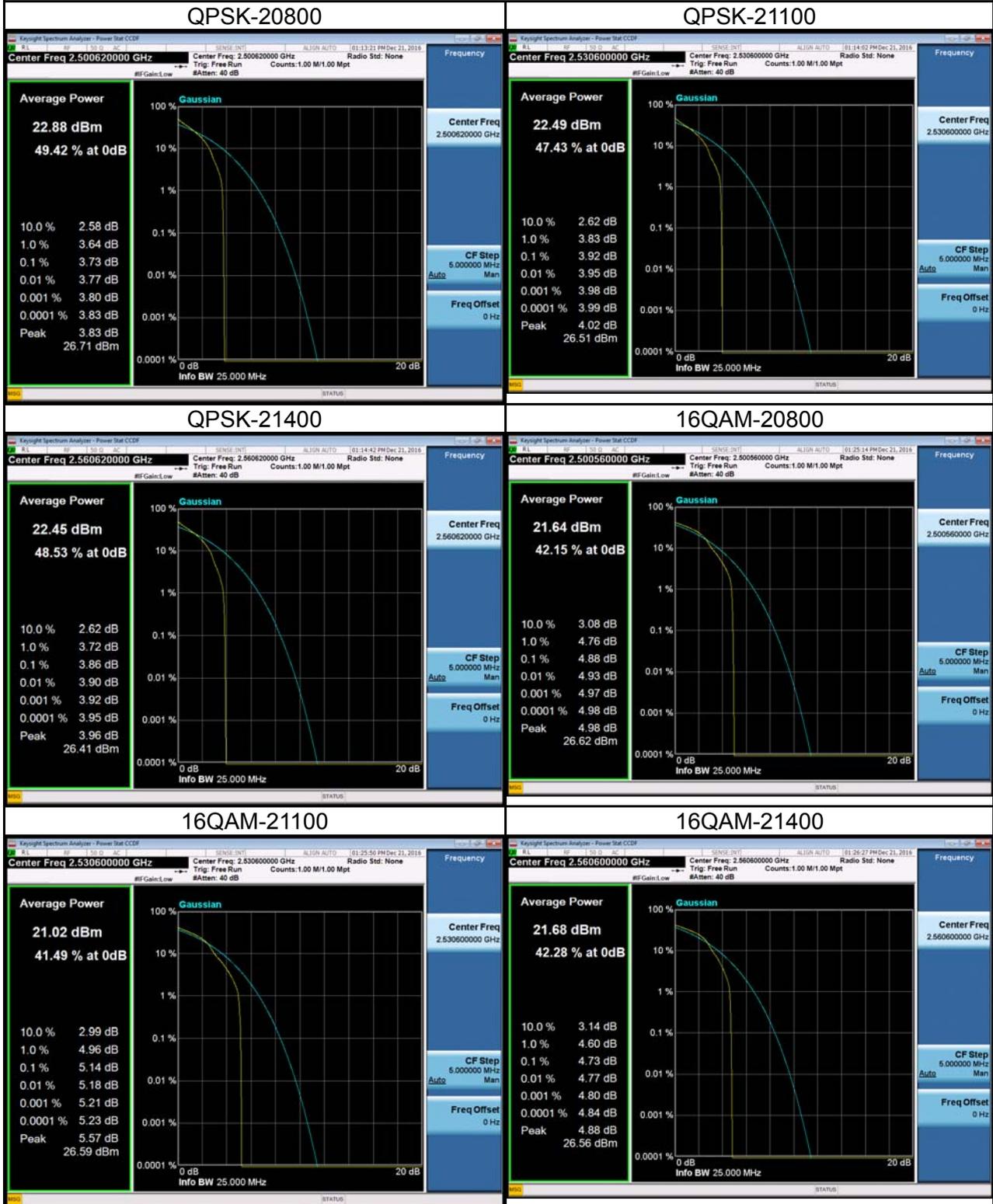
### LTE Band 4 Spectrum Plot\_20M



### LTE Band 7 Spectrum Plot\_5M



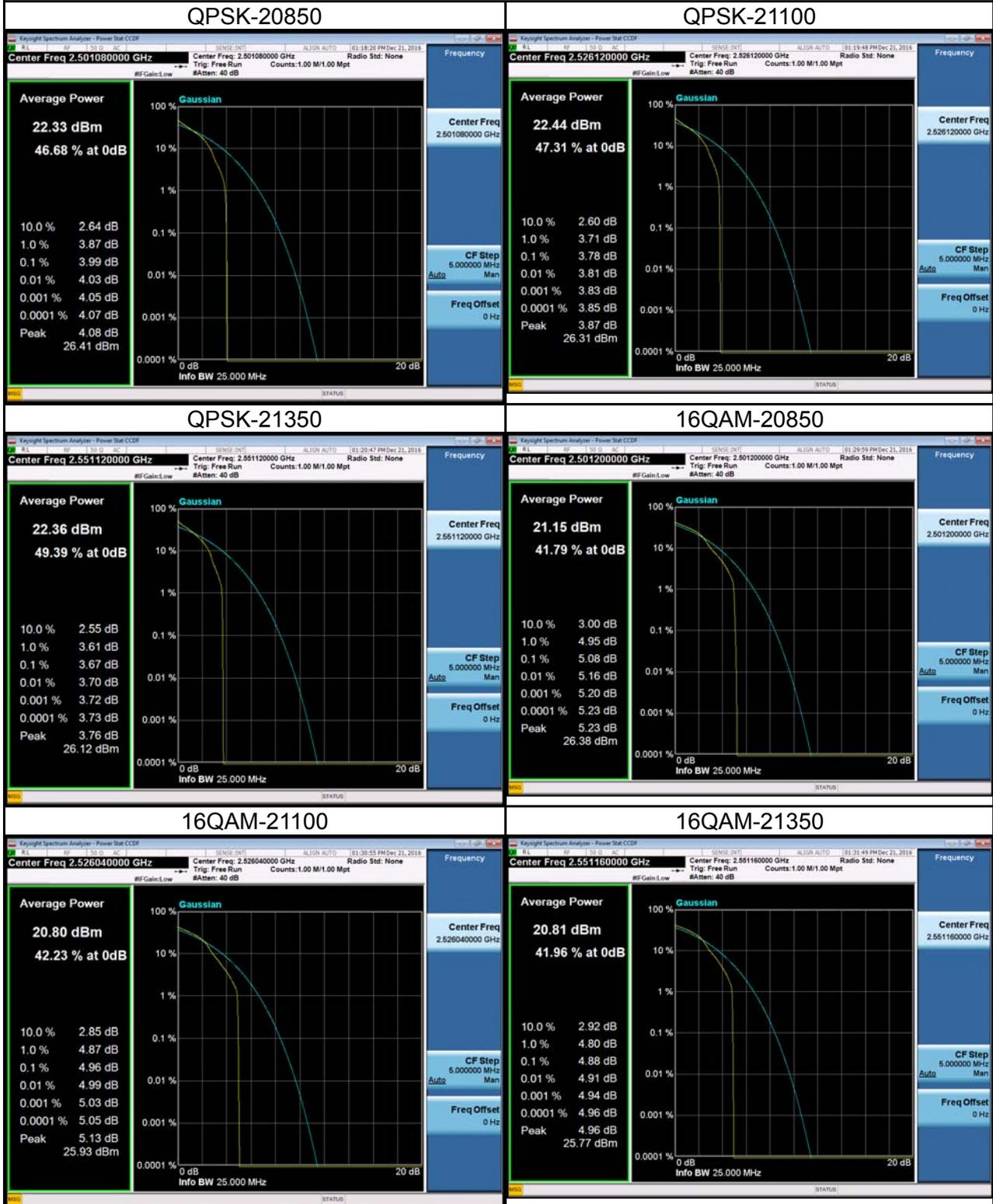
### LTE Band 7 Spectrum Plot\_10M



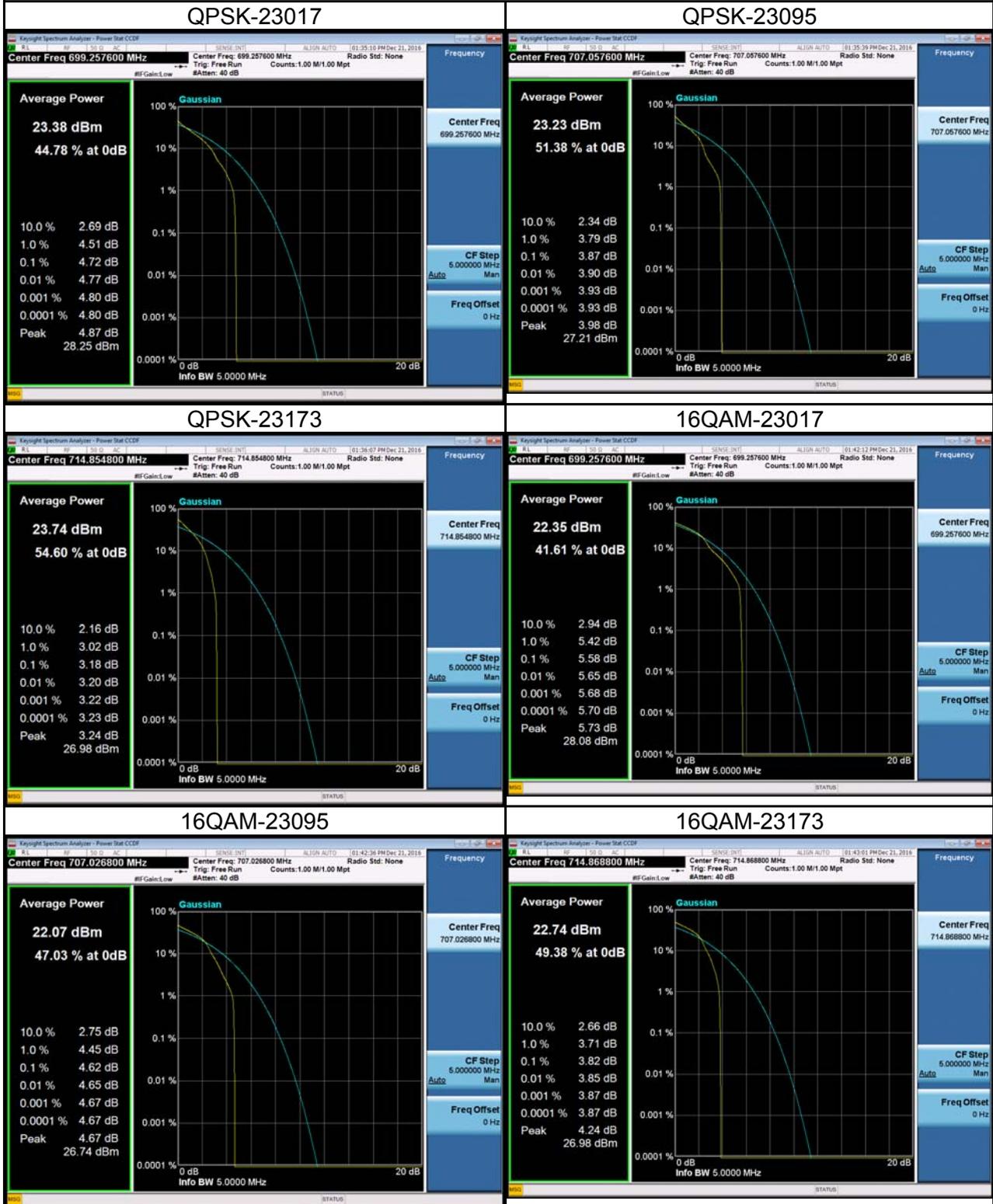
### LTE Band 7 Spectrum Plot\_15M



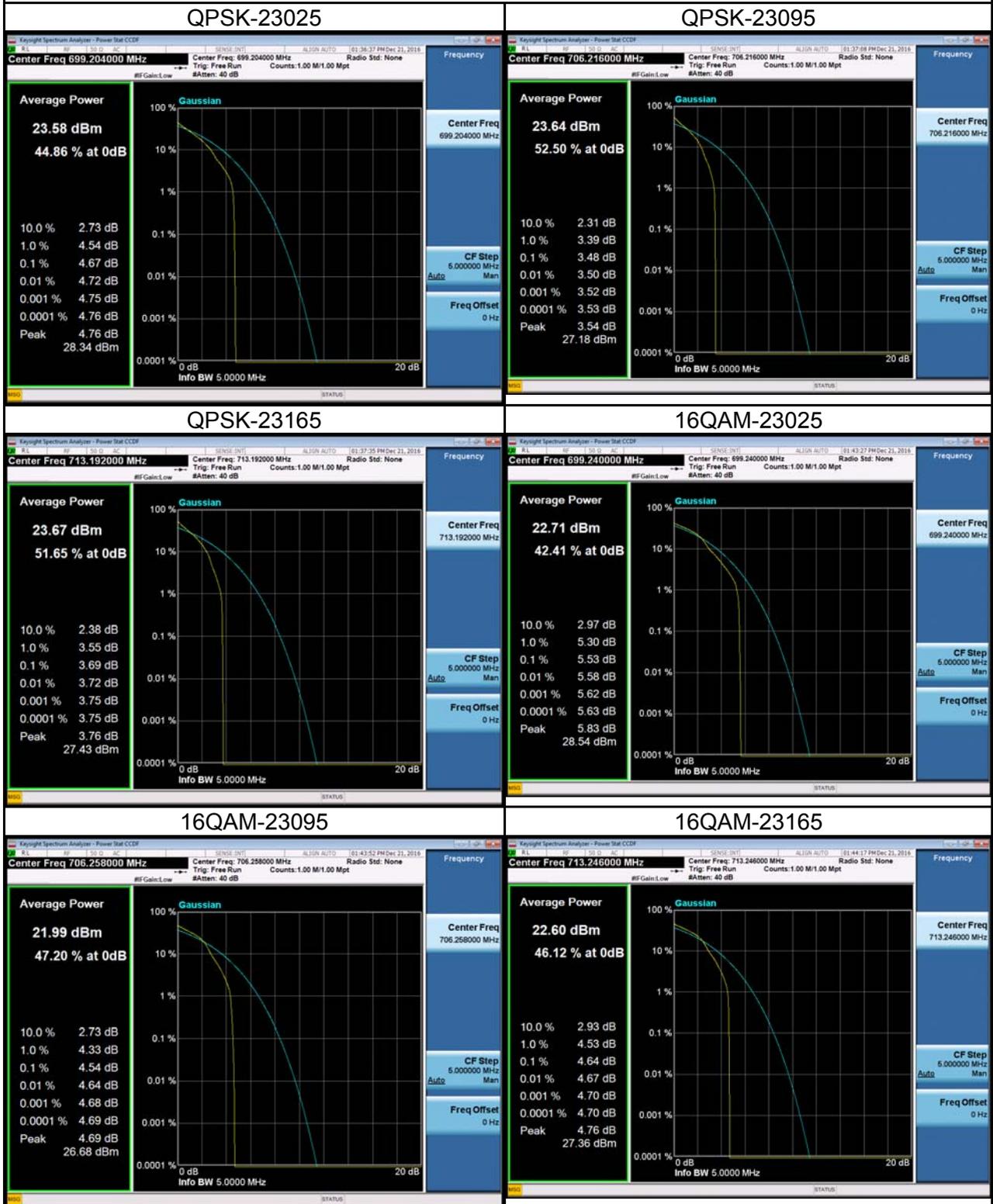
### LTE Band 7 Spectrum Plot\_20M



### LTE Band 12 Spectrum Plot\_1.4M



### LTE Band 12 Spectrum Plot\_3M



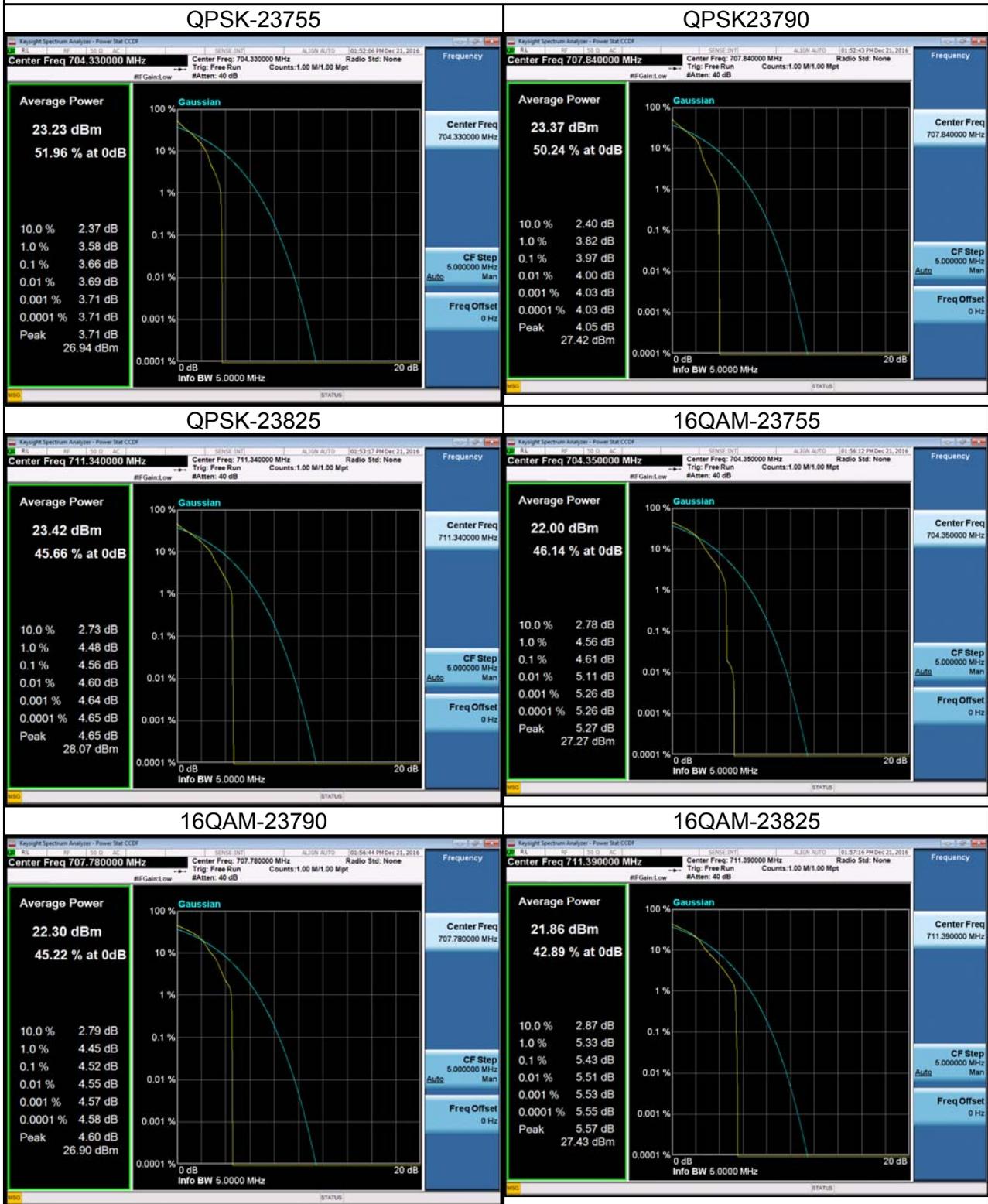
### LTE Band 12 Spectrum Plot\_5M



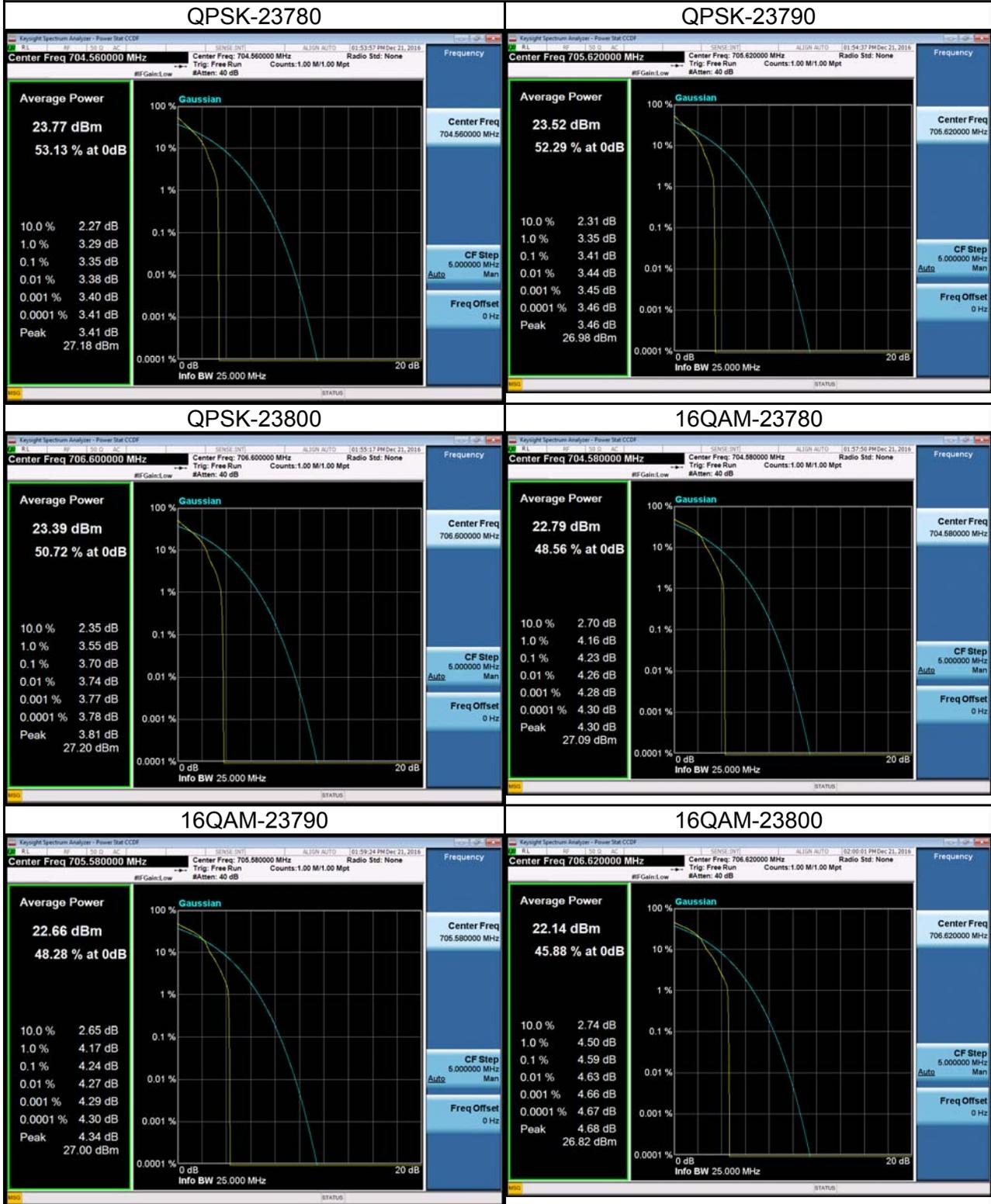
### LTE Band 12 Spectrum Plot\_10M



### LTE Band 17 Spectrum Plot\_5M



### LTE Band 17 Spectrum Plot\_10M



## ATTACHMENT G - FREQUENCY STABILITY

Test Mode:	LTE Band 4_CH20175_1.4M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	5.62	0.003243867	2.5
5	2.97	0.001714286	2.5
10	4.62	0.002666667	2.5
15	5.33	0.003076479	2.5
20	1.96	0.001131313	2.5
25	4.36	0.002516595	2.5
30	3.94	0.00227417	2.5
35	4.33	0.002499278	2.5
Max. Deviation (ppm)	5.62	0.003243867	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	2.55	0.001471861	2.5
3.5	4.16	0.002401154	2.5
4.35	5.64	0.003255411	2.5
Max. Deviation (ppm)	5.64	0.003255411	2.5

Test Mode:	LTE Band 4_CH20175_3M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	1.84	0.001062049	2.5
5	5.31	0.003064935	2.5
10	-6.15	0.003549784	2.5
15	6.72	0.003878788	2.5
20	-1.66	0.000958153	2.5
25	2.99	0.00172583	2.5
30	3.60	0.002077922	2.5
35	5.76	0.003324675	2.5
Max. Deviation (ppm)	6.72	0.003878788	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.20	0.001847042	2.5
3.5	-2.56	0.001477633	2.5
4.35	5.88	0.003393939	2.5
Max. Deviation (ppm)	5.88	0.003393939	2.5

Test Mode:	LTE Band 4_CH20175_5M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	2.23	0.001287157	2.5
5	5.48	0.003163059	2.5
10	4.10	0.002366522	2.5
15	-2.24	0.001292929	2.5
20	3.12	0.001800866	2.5
25	-1.66	0.000958153	2.5
30	1.92	0.001108225	2.5
35	2.36	0.001362193	2.5
Max. Deviation (ppm)	5.48	0.003163059	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	6.73	0.00388456	2.5
3.5	-1.64	0.000946609	2.5
4.35	4.99	0.002880231	2.5
Max. Deviation (ppm)	6.73	0.00388456	2.5

Test Mode:	LTE Band 4_CH20175_10M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	3.44	0.00198557	2.5
5	-2.56	0.001477633	2.5
10	5.97	0.003445887	2.5
15	6.37	0.003676768	2.5
20	-1.82	0.001050505	2.5
25	-2.54	0.001466089	2.5
30	4.16	0.002401154	2.5
35	5.77	0.003330447	2.5
Max. Deviation (ppm)	6.37	0.003676768	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	2.56	0.001477633	2.5
3.5	3.14	0.00181241	2.5
4.35	2.09	0.001206349	2.5
Max. Deviation (ppm)	3.14	0.00181241	2.5

Test Mode:	LTE Band 4_CH20175_15M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	2.38	0.001373737	2.5
5	3.66	0.002112554	2.5
10	-1.97	0.001137085	2.5
15	2.55	0.001471861	2.5
20	1.30	0.000750361	2.5
25	3.56	0.002054834	2.5
30	-2.84	0.00163925	2.5
35	4.19	0.00241847	2.5
Max. Deviation (ppm)	4.19	0.00241847	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	-2.53	0.001460317	2.5
3.5	-3.11	0.001795094	2.5
4.35	6.73	0.00388456	2.5
Max. Deviation (ppm)	6.73	0.00388456	2.5

Test Mode:	LTE Band 4_CH20175_20M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	2.19	0.001264069	2.5
5	2.66	0.001535354	2.5
10	-3.22	0.001858586	2.5
15	2.25	0.001298701	2.5
20	1.99	0.001148629	2.5
25	4.41	0.002545455	2.5
30	-5.08	0.002932179	2.5
35	9.67	0.00558153	2.5
Max. Deviation (ppm)	9.67	0.00558153	2.5

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	-5.50	0.003174603	2.5
3.5	3.46	0.001997114	2.5
4.35	-2.37	0.001367965	2.5
Max. Deviation (ppm)	5.50	0.003174603	2.5

Test Mode:	LTE Band 7_CH21100_5M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	-4.26	0.001680473	2.5
5	5.77	0.002276134	2.5
10	3.28	0.001293886	2.5
15	6.72	0.002650888	2.5
20	2.37	0.000934911	2.5
25	-5.66	0.002232742	2.5
30	4.29	0.001692308	2.5
35	3.57	0.001408284	2.5
Max. Deviation (ppm)	6.72	0.002650888	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.64	0.002224852	2.5
3.5	-7.66	0.003021696	2.5
4.35	2.37	0.000934911	2.5
Max. Deviation (ppm)	7.66	0.003021696	2.5

Test Mode:	LTE Band 7_CH21100_10M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	4.26	0.001680473	2.5
5	-7.21	0.002844181	2.5
10	4.63	0.00182643	2.5
15	-2.88	0.001136095	2.5
20	5.56	0.002193294	2.5
25	2.79	0.001100592	2.5
30	1.95	0.000769231	2.5
35	-4.26	0.001680473	2.5
Max. Deviation (ppm)	5.56	0.002844181	2.5

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	4.12	0.001625247	2.5
3.5	3.45	0.001360947	2.5
4.35	2.33	0.000919132	2.5
Max. Deviation (ppm)	4.12	0.001625247	2.5

Test Mode:	LTE Band 7_CH21100_15M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	6.47	0.002552268	2.5
5	-4.46	0.001759369	2.5
10	3.20	0.001262327	2.5
15	1.87	0.000737673	2.5
20	3.31	0.00130572	2.5
25	5.51	0.00217357	2.5
30	-3.71	0.001463511	2.5
35	4.28	0.001688363	2.5
Max. Deviation (ppm)	6.47	0.002552268	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.36	0.002114398	2.5
3.5	1.88	0.000741617	2.5
4.35	2.65	0.001045365	2.5
Max. Deviation (ppm)	5.36	0.002114398	2.5

Test Mode:	LTE Band 7_CH21100_20M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	4.57	0.001802761	2.5
5	-3.22	0.001270217	2.5
10	-4.73	0.001865878	2.5
15	1.66	0.000654832	2.5
20	-4.53	0.001786982	2.5
25	2.24	0.000883629	2.5
30	-4.35	0.001715976	2.5
35	-1.93	0.000761341	2.5
Max. Deviation (ppm)	4.73	0.001865878	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	1.93	0.000761341	2.5
3.5	-3.21	0.001266272	2.5
4.35	-4.88	0.001925049	2.5
Max. Deviation (ppm)	4.88	0.001925049	2.5

Test Mode:	LTE Band 12_CH23095_1.4M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	3.55	0.005017668	2.5
5	2.36	0.003335689	2.5
10	-5.83	0.008240283	2.5
15	-1.77	0.002501767	2.5
20	2.37	0.003349823	2.5
25	1.58	0.002233216	2.5
30	-2.09	0.002954064	2.5
35	1.45	0.00204947	2.5
Max. Deviation (ppm)	5.83	0.008240283	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	2.33	0.003293286	2.5
3.5	-3.75	0.005300353	2.5
4.35	2.48	0.0035053	2.5
Max. Deviation (ppm)	3.75	0.005300353	2.5

Test Mode:	LTE Band 12_CH23095_3M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	-1.54	0.002176678	2.5
5	1.05	0.001484099	2.5
10	-2.33	0.003293286	2.5
15	-2.94	0.004155477	2.5
20	5.24	0.00740636	2.5
25	1.23	0.001738516	2.5
30	-1.65	0.002332155	2.5
35	-2.47	0.003491166	2.5
Max. Deviation (ppm)	5.24	0.00740636	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	2.53	0.003575972	2.5
3.5	-1.49	0.002106007	2.5
4.35	-3.66	0.005173145	2.5
Max. Deviation (ppm)	<b>3.66</b>	<b>0.005173145</b>	2.5

Test Mode:	LTE Band 12_CH23095_5M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	-2.85	0.004028269	2.5
5	-1.46	0.002063604	2.5
10	1.05	0.001484099	2.5
15	2.57	0.003632509	2.5
20	1.06	0.001498233	2.5
25	-2.47	0.003491166	2.5
30	5.88	0.008310954	2.5
35	1.43	0.002021201	2.5
Max. Deviation (ppm)	5.88	0.008310954	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	6.73	0.00388456	2.5
3.5	-1.64	0.000946609	2.5
4.35	4.99	0.002880231	2.5
Max. Deviation (ppm)	6.73	0.00388456	2.5

Test Mode:	LTE Band 12_CH23095_10M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	-2.35	0.003321555	2.5
5	3.17	0.004480565	2.5
10	-1.25	0.001766784	2.5
15	2.48	0.0035053	2.5
20	-1.97	0.002784452	2.5
25	-2.57	0.003632509	2.5
30	1.94	0.002742049	2.5
35	-3.05	0.004310954	2.5
Max. Deviation (ppm)	3.17	0.004480565	2.5

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	2.56	0.001477633	2.5
3.5	3.14	0.00181241	2.5
4.35	2.09	0.001206349	2.5
Max. Deviation (ppm)	3.14	0.00181241	2.5

Test Mode:	LTE Band 17_CH23790_5M
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	5.92	0.008338028	2.5
5	3.85	0.005422535	2.5
10	-4.87	0.006859155	2.5
15	2.86	0.004028169	2.5
20	4.36	0.006140845	2.5
25	2.85	0.004014085	2.5
30	4.99	0.007028169	2.5
35	-5.11	0.007197183	2.5
Max. Deviation (ppm)	5.92	0.008338028	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.79	0.005338028	2.5
3.5	3.62	0.005098592	2.5
4.35	-9.67	0.013619718	2.5
Max. Deviation (ppm)	9.67	0.013619718	2.5

Test Mode:	LTE Band 17_CH23790_10M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	6.03	0.008492958	2.5
5	-5.82	0.008197183	2.5
10	3.58	0.005042254	2.5
15	-2.87	0.004042254	2.5
20	3.65	0.005140845	2.5
25	5.88	0.00828169	2.5
30	-3.61	0.005084507	2.5
35	4.43	0.006239437	2.5
Max. Deviation (ppm)	6.03	0.008492958	2.5

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.23	0.007366197	2.5
3.5	4.88	0.006873239	2.5
4.35	-3.12	0.004394366	2.5
Max. Deviation (ppm)	5.23	0.007366197	2.5