

LTE Band 2\_3M

1RB0

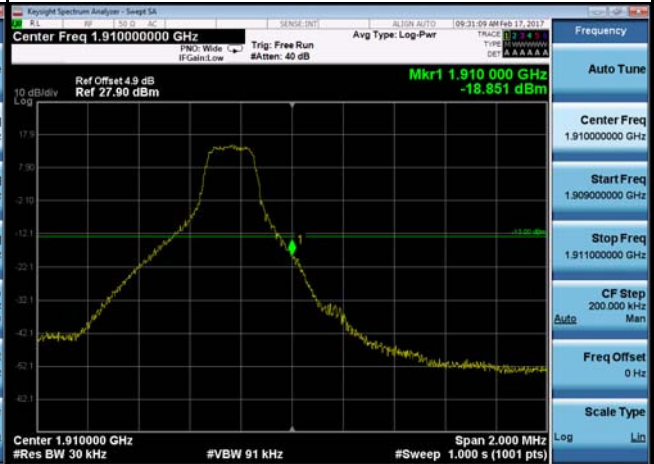
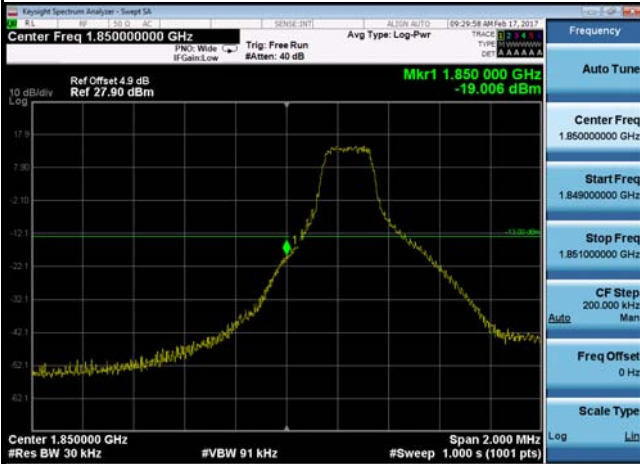
1RB14

Channel

18615

Channel

19185



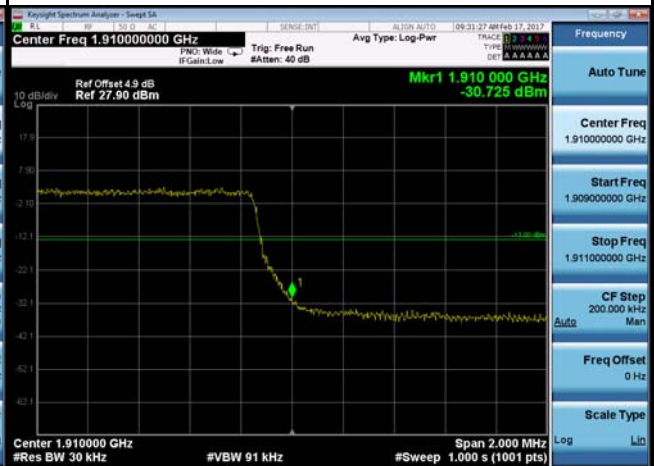
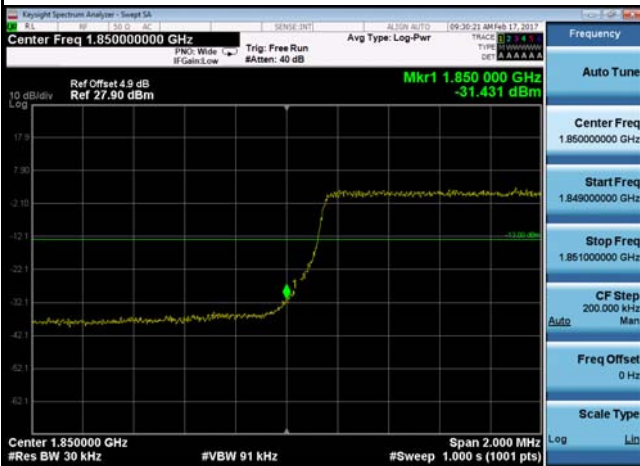
15RB0

Channel

18615

Channel

19185



LTE Band 2\_5M

1RB0

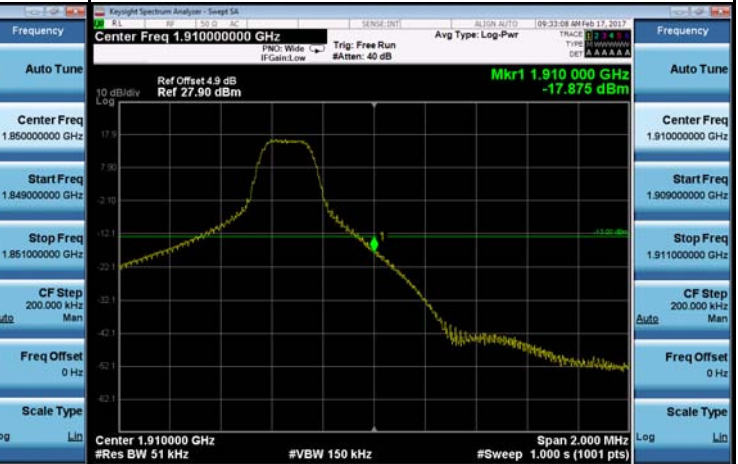
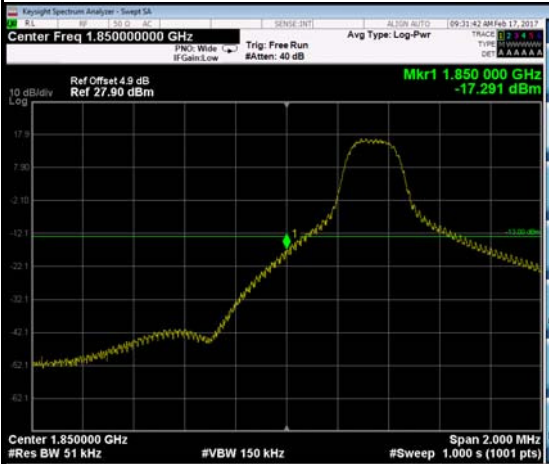
1RB24

Channel

18625

Channel

19175



25RB0

Channel

18625

Channel

19175



LTE Band 2\_10M

1RB0

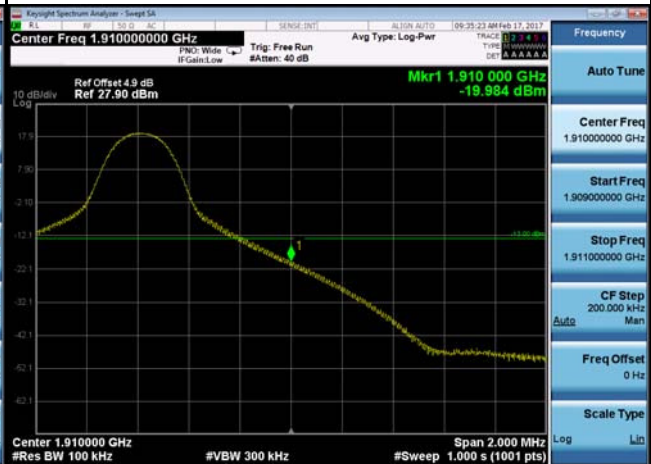
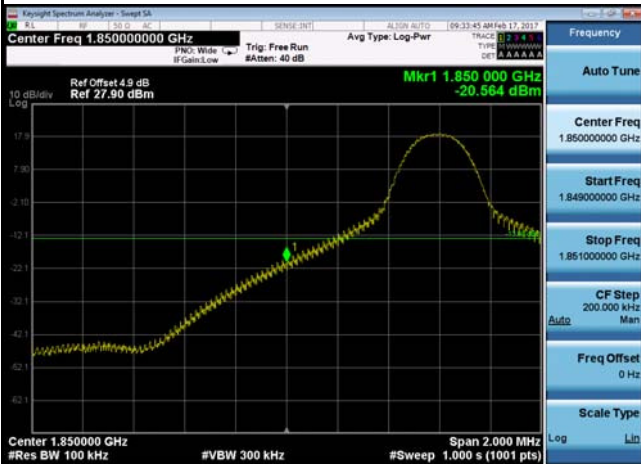
1RB49

Channel

18650

Channel

19150



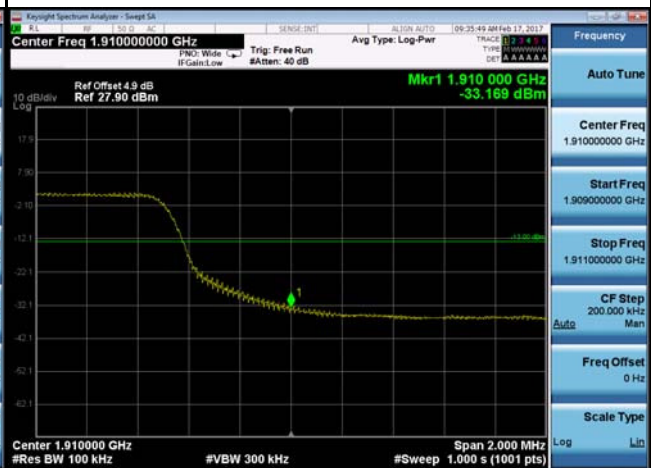
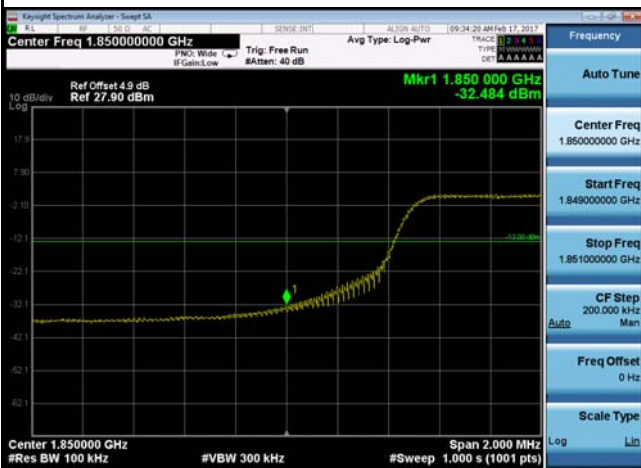
50RB0

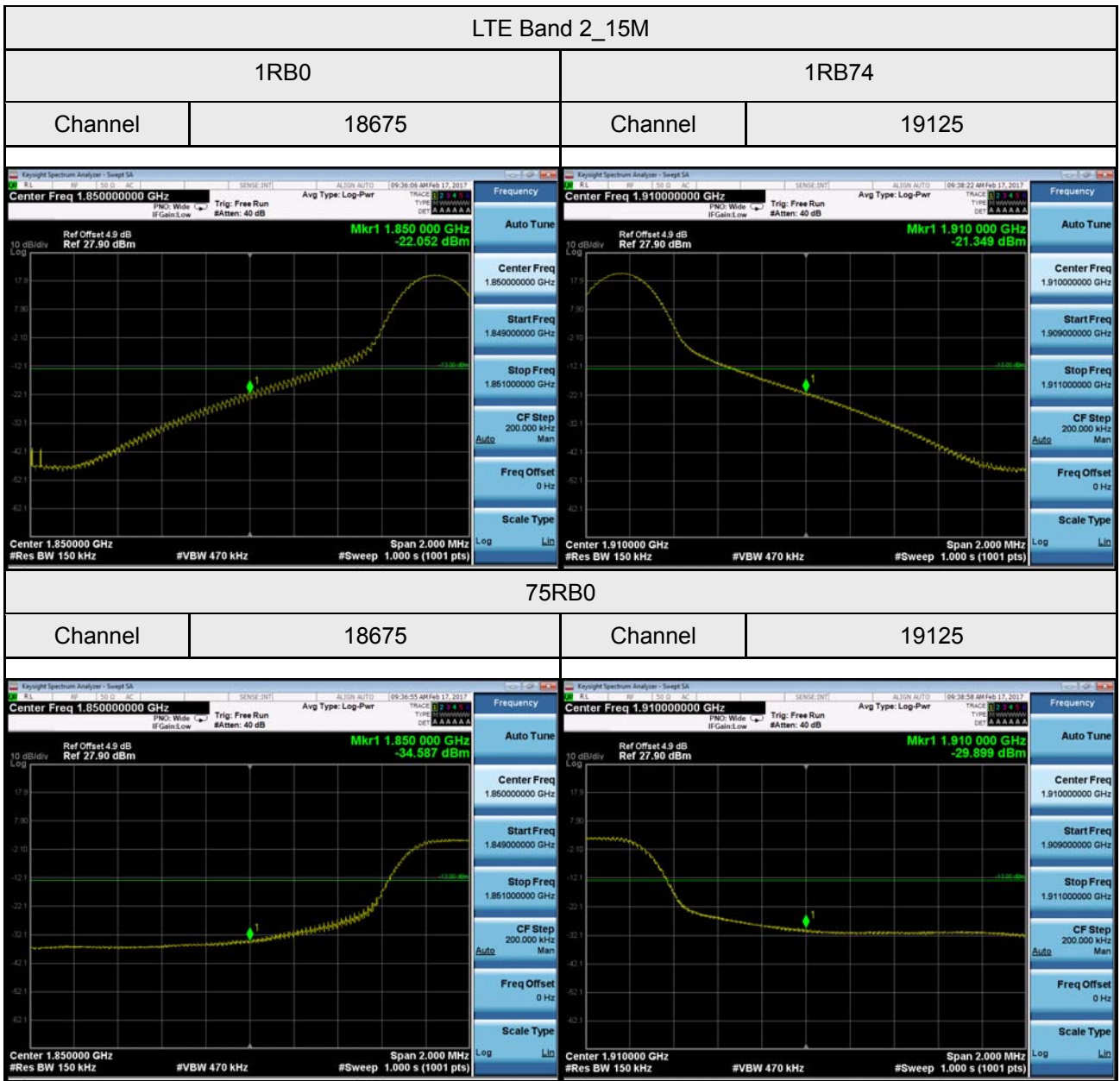
Channel

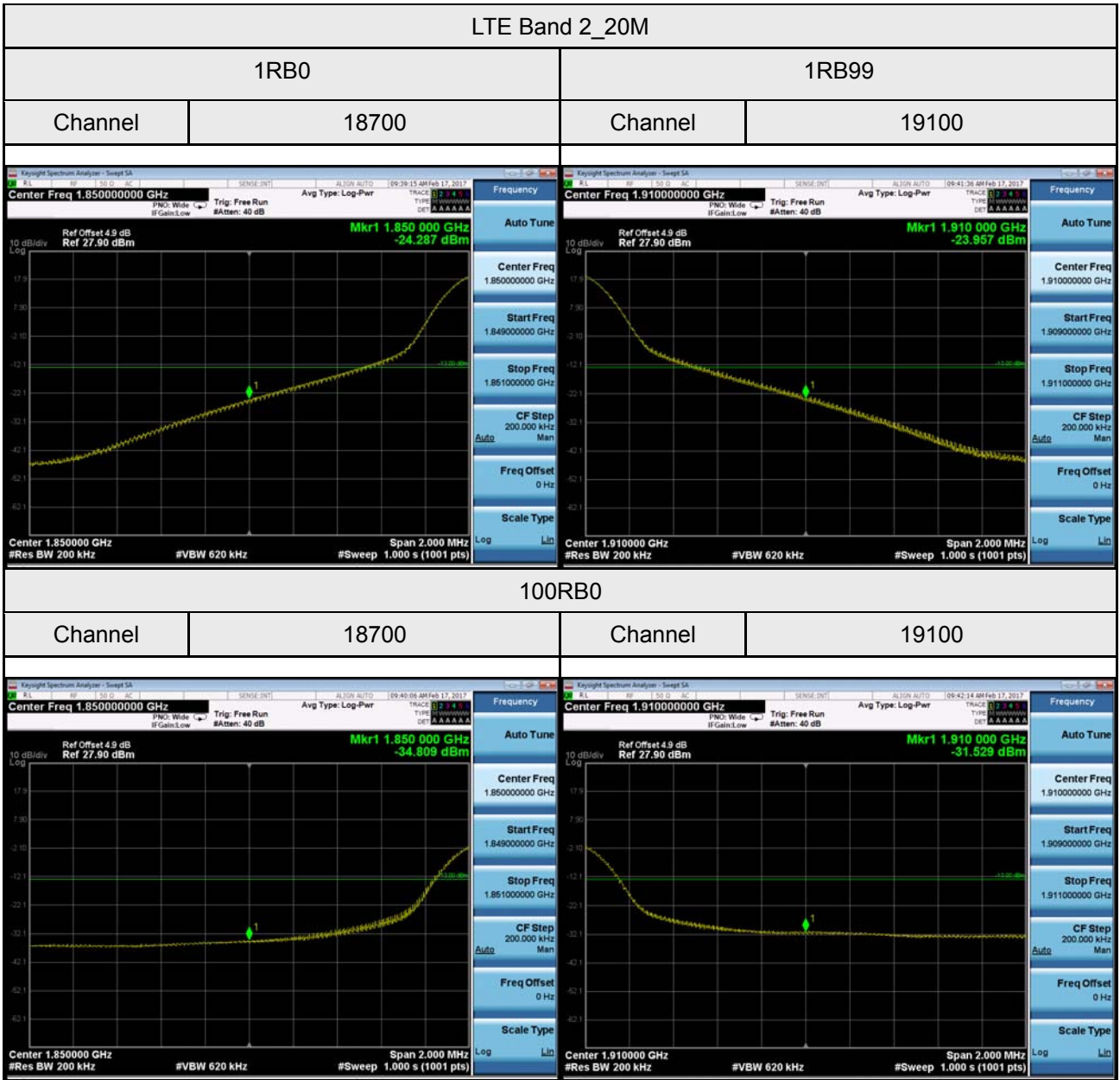
18650

Channel

19150

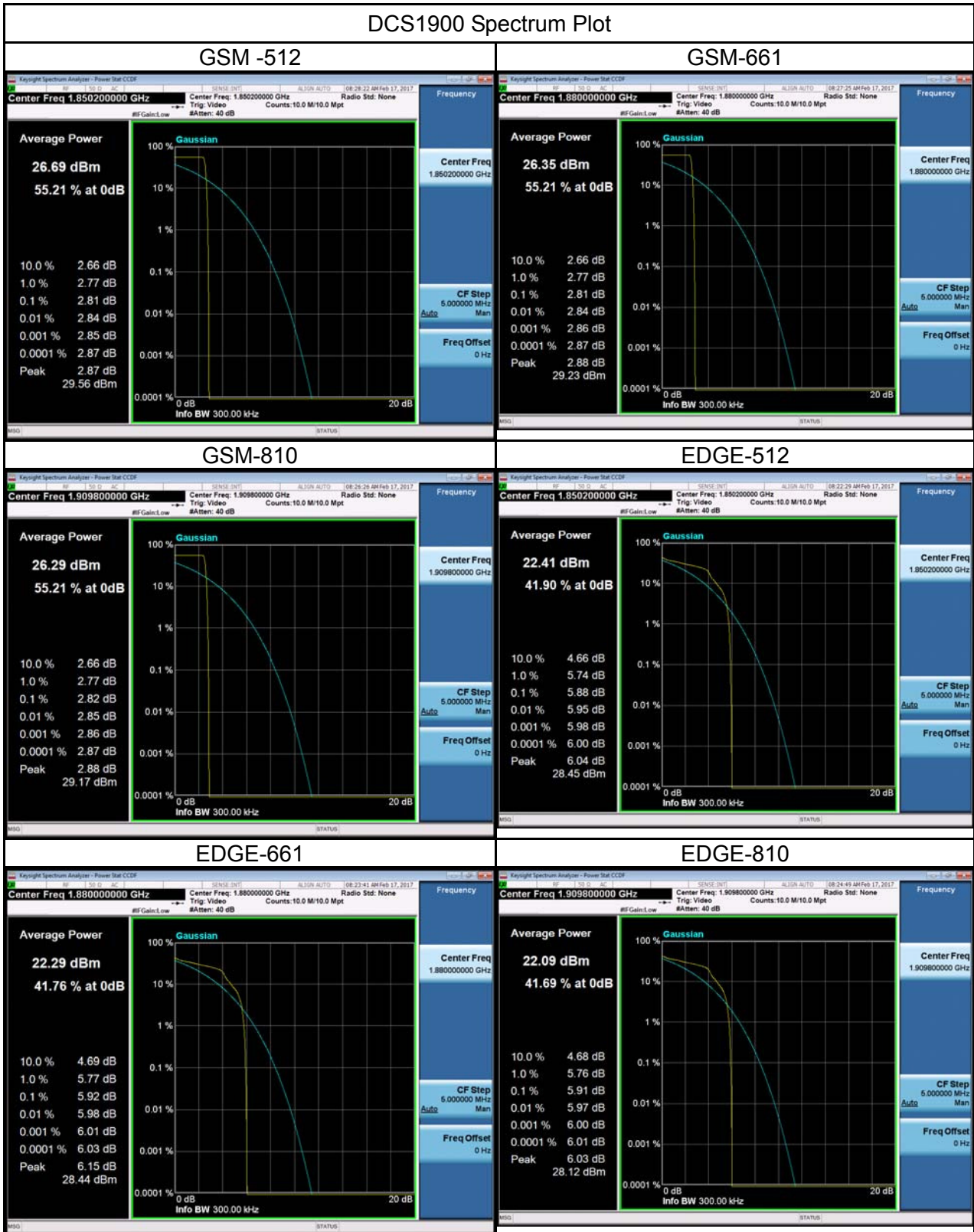






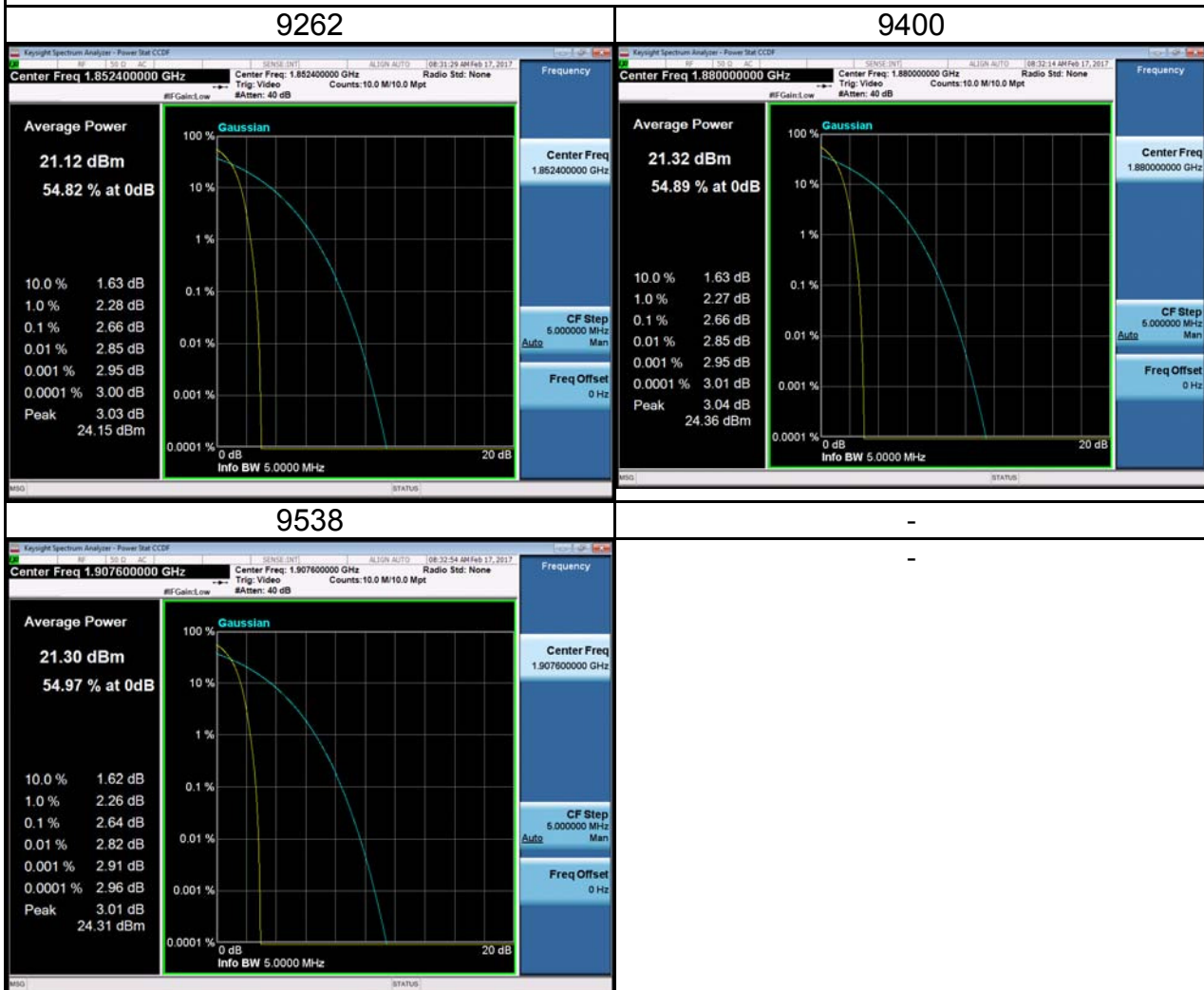
## ATTACHMENT F - PEAK TO AVERAGE RATIO

### DCS1900 Spectrum Plot

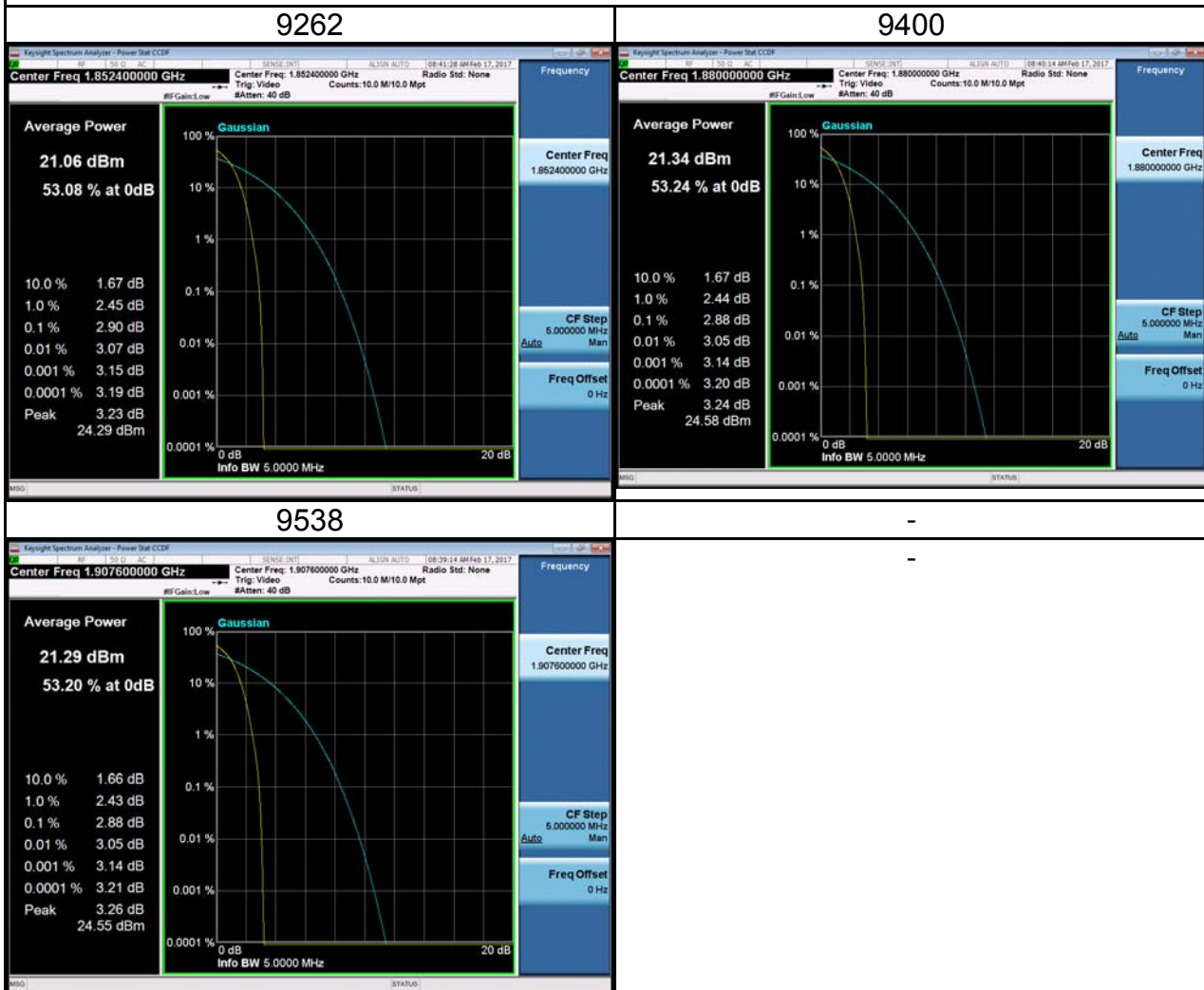




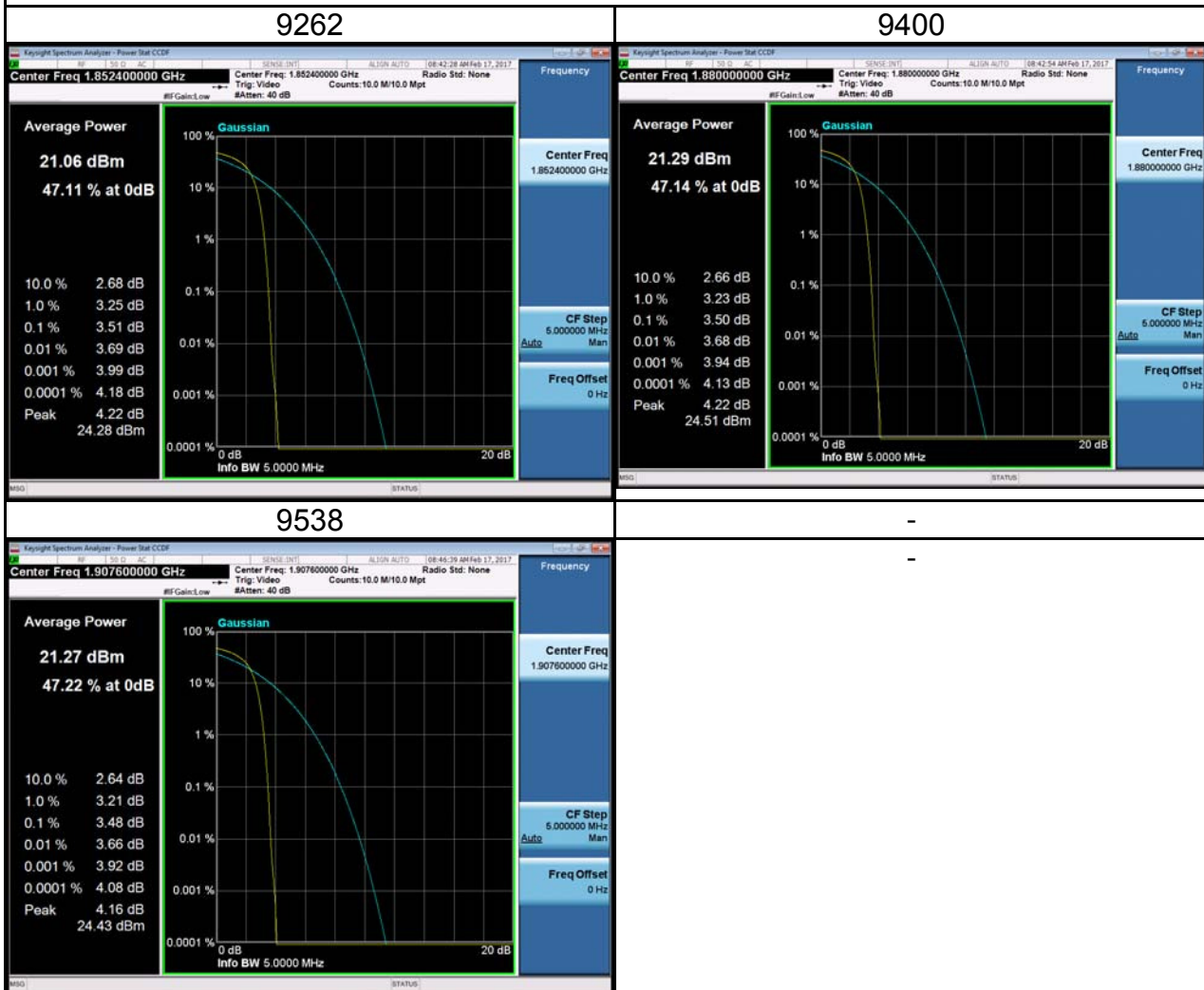
### WCDMA Band 2 Spectrum Plot



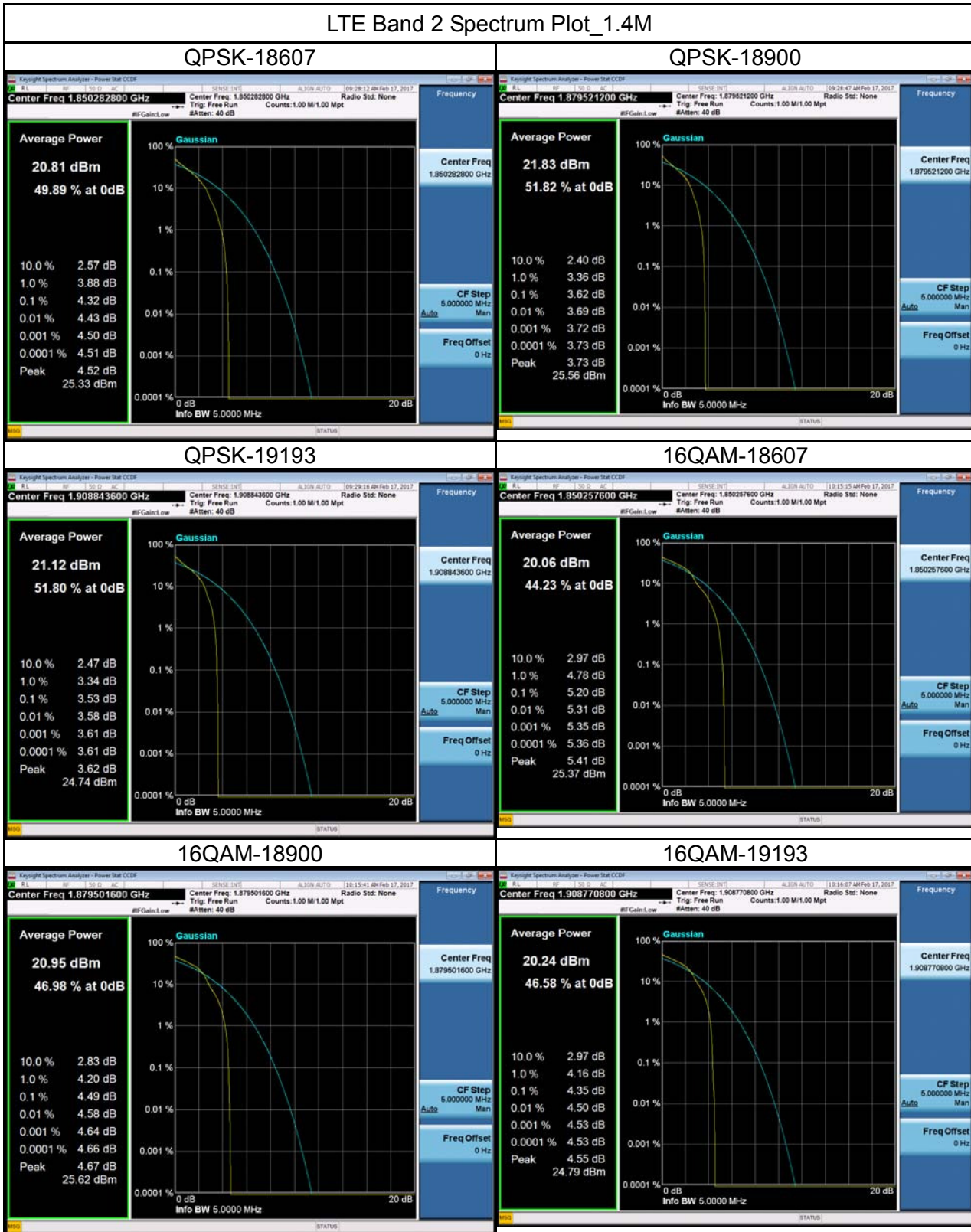
### WCDMA\_HSDPA Band 2 Spectrum Plot



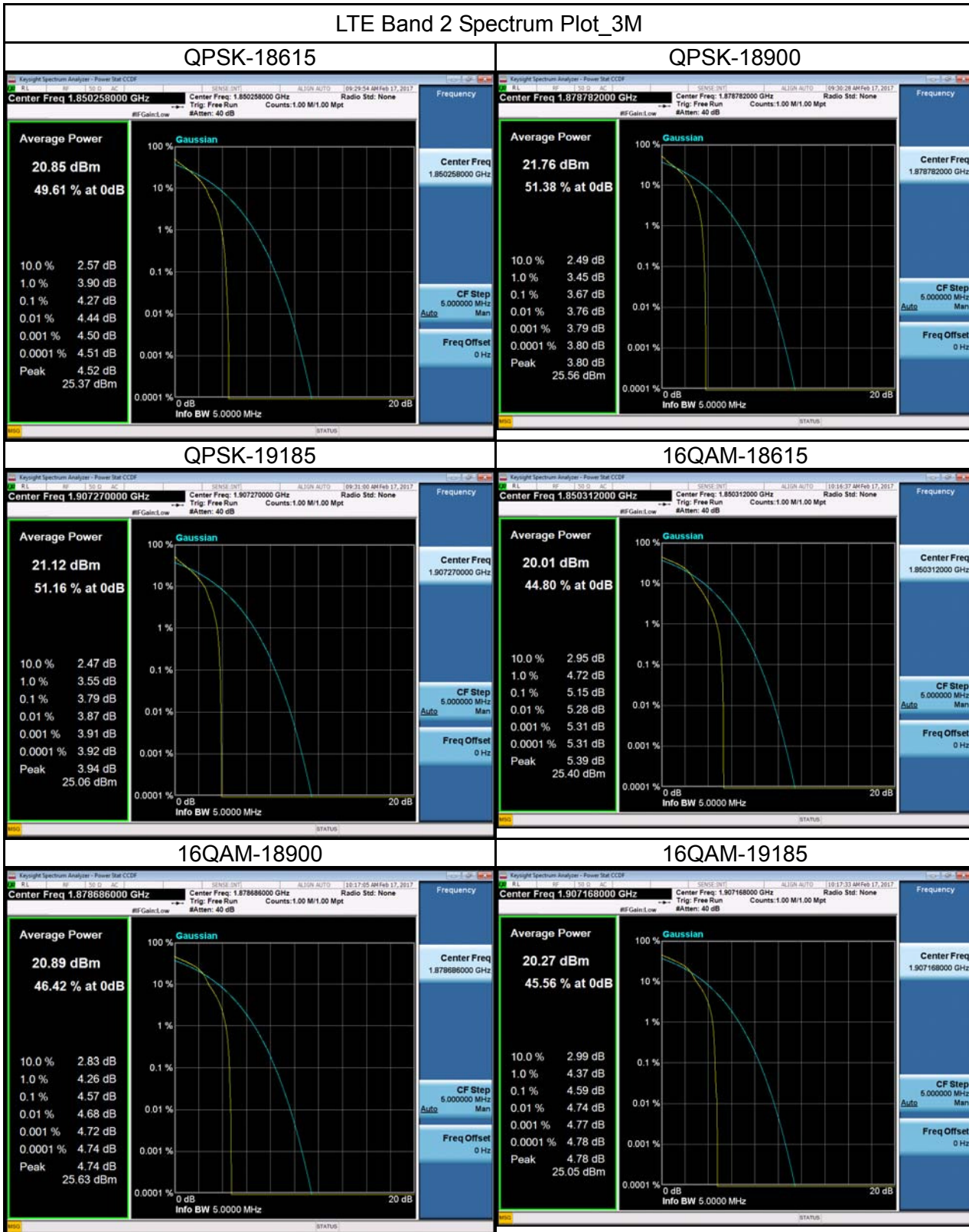
### WCDMA\_HSUPA Band 2 Spectrum Plot



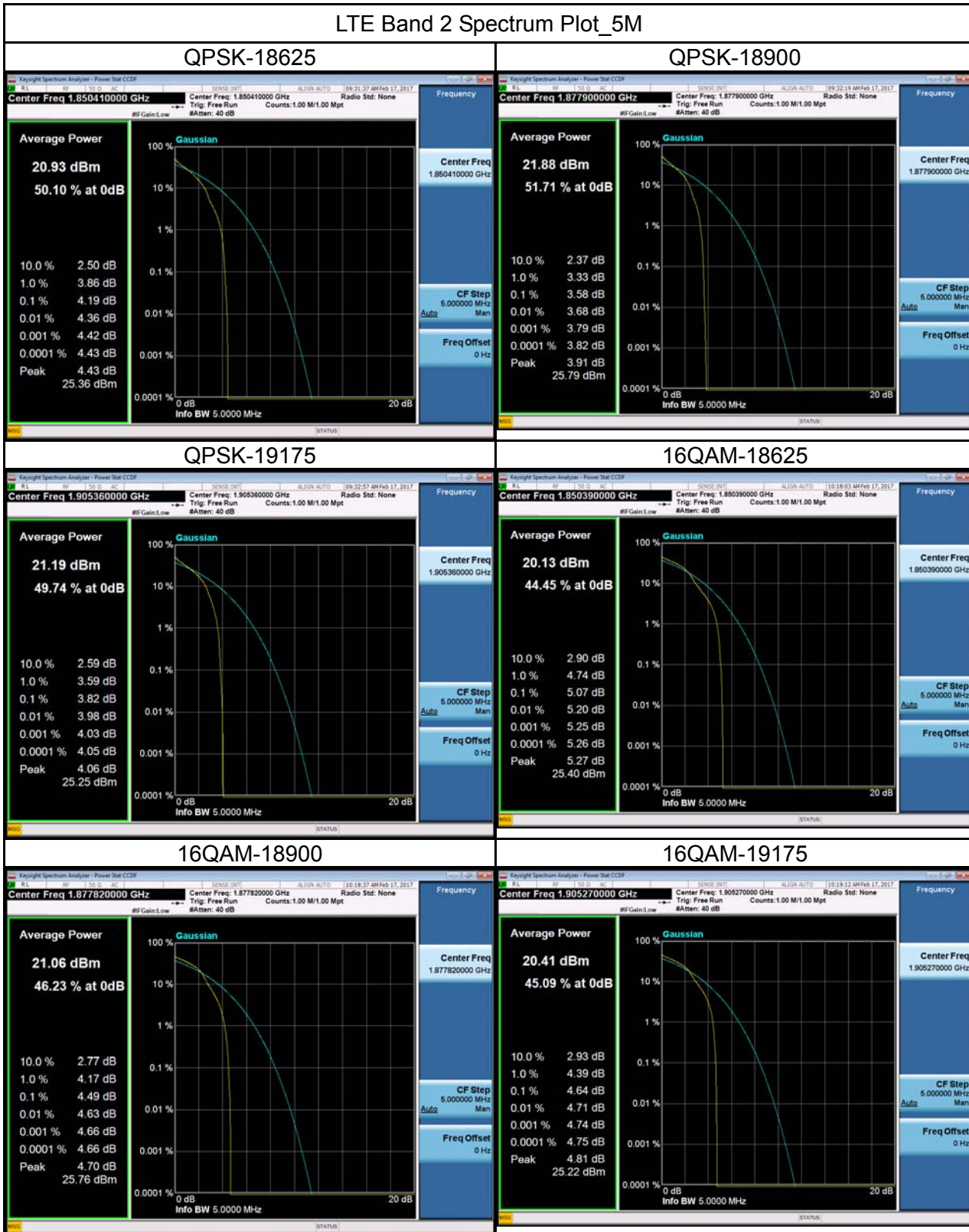
### LTE Band 2 Spectrum Plot\_1.4M



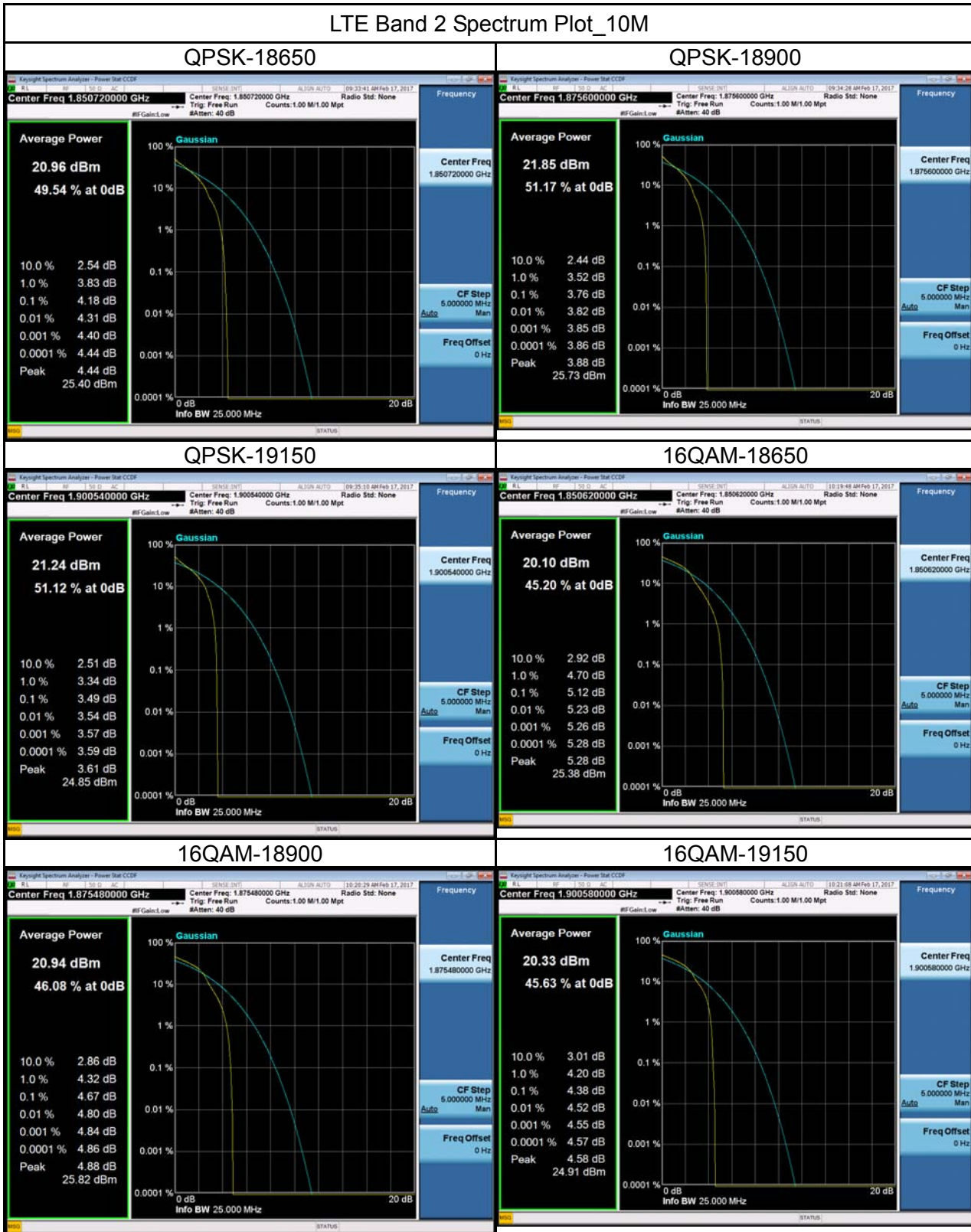
### LTE Band 2 Spectrum Plot\_3M



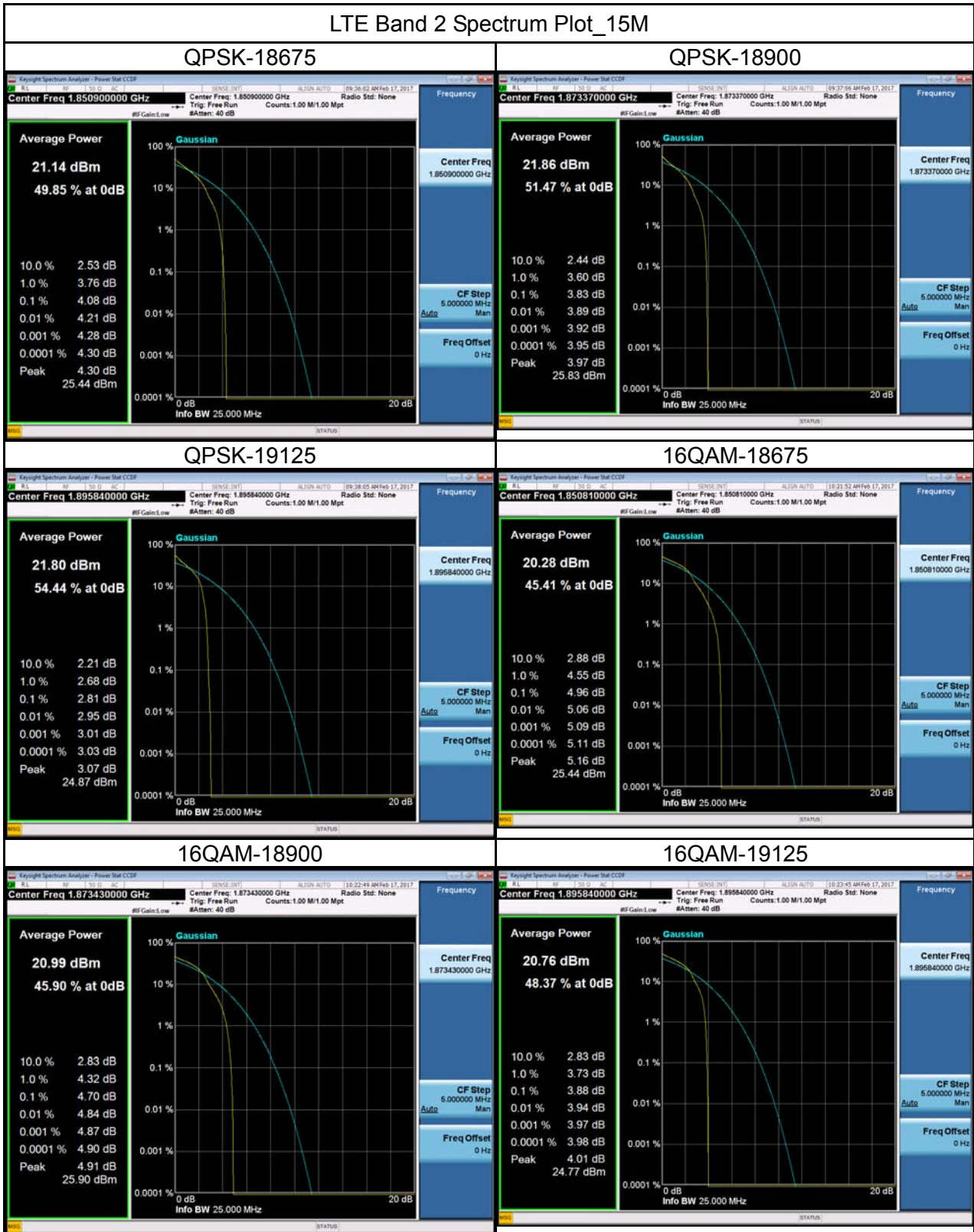
### LTE Band 2 Spectrum Plot\_5M



### LTE Band 2 Spectrum Plot\_10M

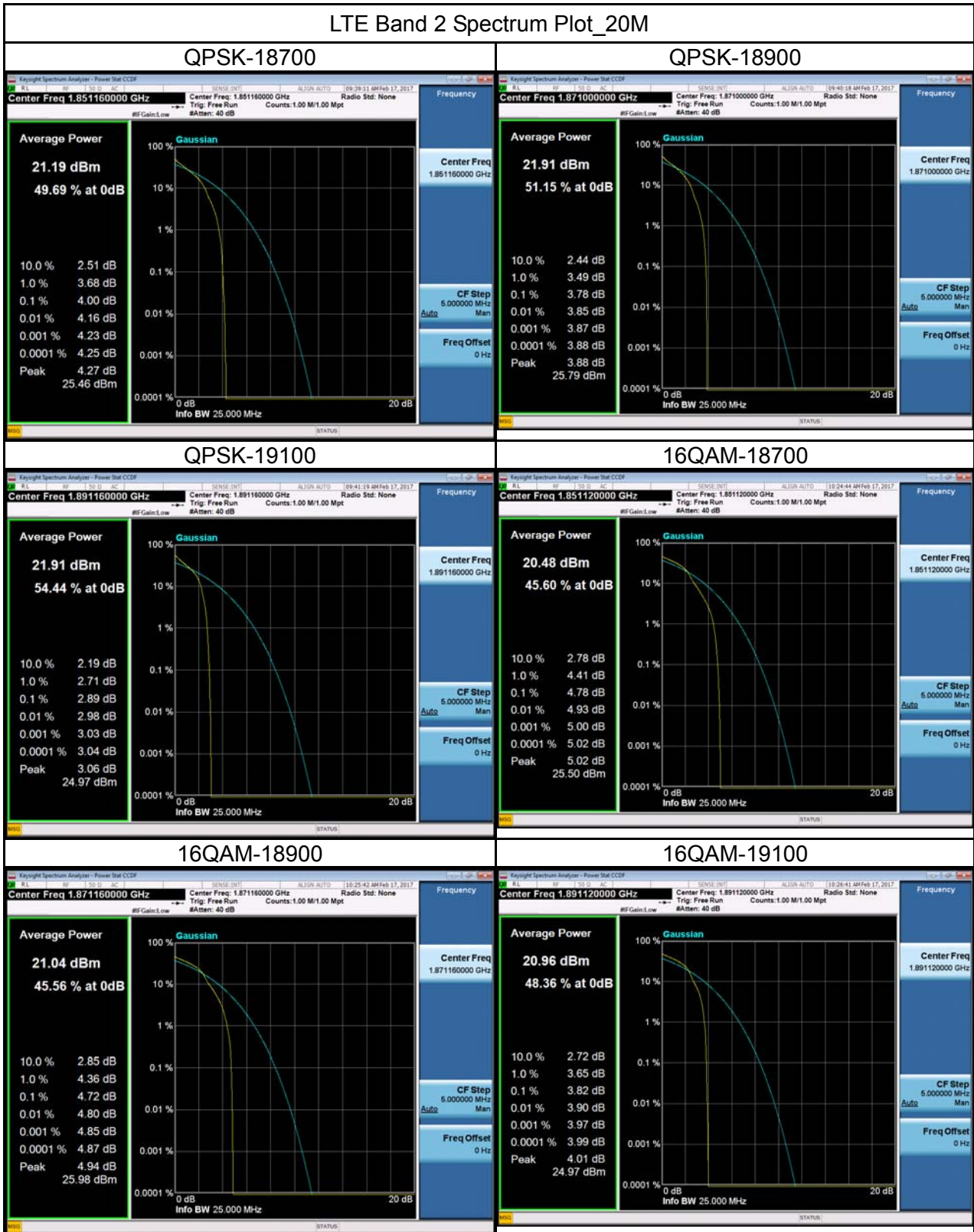


### LTE Band 2 Spectrum Plot\_15M





### LTE Band 2 Spectrum Plot\_20M



## ATTACHMENT G - FREQUENCY STABILITY

Test Mode:	DCS1900_CH661
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	6.37	0.003442871	2.5
5	8.45	0.004567074	2.5
10	9.02	0.004875149	2.5
15	8.67	0.00468598	2.5
20	6.54	0.003534753	2.5
25	6.53	0.003529348	2.5
30	7.29	0.003940115	2.5
35	6.21	0.003356394	2.5
Max. Deviation (ppm)	<b>9.02</b>	<b>0.004875149</b>	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	6.34	0.003426657	2.5
4	6.81	0.003680683	2.5
4.2	7.25	0.003918495	2.5
Max. Deviation (ppm)	<b>7.25</b>	<b>0.003918495</b>	2.5

Test Mode:	WCDMA Band 2_CH9400
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	9.32	0.004957447	2.5
5	5.67	0.003015957	2.5
10	8.21	0.004367021	2.5
15	6.64	0.003531915	2.5
20	5.21	0.002771277	2.5
25	4.89	0.002601064	2.5
30	6.59	0.003505319	2.5
35	6.63	0.003526596	2.5
Max. Deviation (ppm)	<b>9.32</b>	<b>0.004957447</b>	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.99	0.00318617	2.5
4	6.08	0.003234043	2.5
4.2	7.56	0.004021277	2.5
Max. Deviation (ppm)	<b>7.56</b>	<b>0.004021277</b>	2.5

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	2.36	0.001255319	2.5
5	-3.65	0.001941489	2.5
10	2.58	0.00137234	2.5
15	5.88	0.00312766	2.5
20	-6.10	0.003244681	2.5
25	3.32	0.001765957	2.5
30	-4.48	0.002382979	2.5
35	3.67	0.001952128	2.5
Max. Deviation (ppm)	<b>6.10</b>	<b>0.003244681</b>	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.56	0.001893617	2.5
4	-2.48	0.001319149	2.5
4.2	3.86	0.002053191	2.5
Max. Deviation (ppm)	<b>3.86</b>	<b>0.002053191</b>	2.5

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	5.22	0.002776596	2.5
5	-6.21	0.003303191	2.5
10	3.41	0.00181383	2.5
15	-1.87	0.000994681	2.5
20	1.26	0.000670213	2.5
25	3.65	0.001941489	2.5
30	2.88	0.001531915	2.5
35	-3.77	0.002005319	2.5
Max. Deviation (ppm)	<b>6.21</b>	<b>0.003303191</b>	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	2.56	0.001361702	2.5
4	5.03	0.002675532	2.5
4.2	-1.28	0.000680851	2.5
Max. Deviation (ppm)	<b>5.03</b>	<b>0.002675532</b>	2.5

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	5.54	0.002946809	2.5
5	2.69	0.001430851	2.5
10	-5.31	0.002824468	2.5
15	5.26	0.002797872	2.5
20	4.88	0.002595745	2.5
25	-4.69	0.002494681	2.5
30	-3.99	0.00212234	2.5
35	2.78	0.001478723	2.5
Max. Deviation (ppm)	<b>5.54</b>	<b>0.002946809</b>	2.5

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.56	0.002957447	2.5
4	-2.69	0.001430851	2.5
4.2	2.87	0.001526596	2.5
Max. Deviation (ppm)	<b>5.56</b>	<b>0.002957447</b>	2.5

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	3.67	0.001952128	2.5
5	2.56	0.001361702	2.5
10	5.17	0.00275	2.5
15	-2.33	0.001239362	2.5
20	-3.52	0.00187234	2.5
25	4.69	0.002494681	2.5
30	-2.90	0.001542553	2.5
35	5.81	0.003090426	2.5
Max. Deviation (ppm)	5.81	0.003090426	2.5

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	-3.88	0.00206383	2.5
4	-4.37	0.002324468	2.5
4.2	5.24	0.002787234	2.5
Max. Deviation (ppm)	5.24	0.002787234	2.5



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	3.37	0.001792553	2.5
5	4.08	0.002170213	2.5
10	5.60	0.002978723	2.5
15	-5.98	0.003180851	2.5
20	-2.37	0.001260638	2.5
25	1.92	0.001021277	2.5
30	2.33	0.001239362	2.5
35	1.87	0.000994681	2.5
Max. Deviation (ppm)	5.98	0.003180851	2.5

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	6.31	0.003356383	2.5
4	1.88	0.001000000	2.5
4.2	3.62	0.001925532	2.5
Max. Deviation (ppm)	6.31	0.003356383	2.5

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)
-30	-2.58	0.00137234	2.5
-20	-3.66	0.001946809	2.5
-10	4.21	0.002239362	2.5
0	1.84	0.000978723	2.5
10	5.90	0.003138298	2.5
20	6.01	0.003196809	2.5
30	-1.83	0.000973404	2.5
40	3.01	0.001601064	2.5
Max. Deviation (ppm)	<b>6.01</b>	<b>0.003196809</b>	2.5

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	2.37	0.001260638	2.5
4	5.88	0.00312766	2.5
4.2	-3.59	0.001909574	2.5
Max. Deviation (ppm)	5.88	<b>0.00312766</b>	2.5