

LTE Band 2_1.4M

1RB0

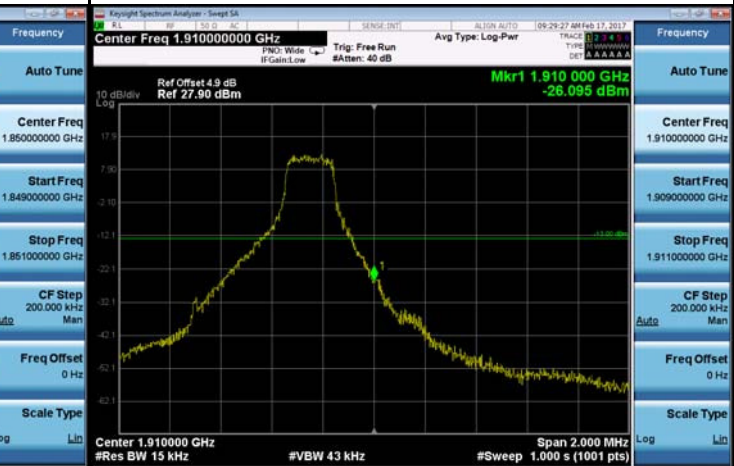
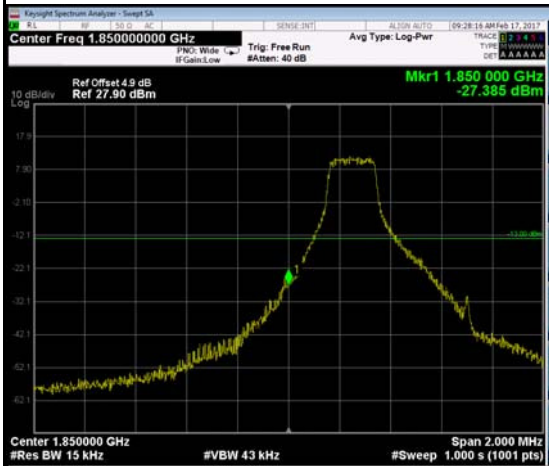
1RB5

Channel

18607

Channel

19193



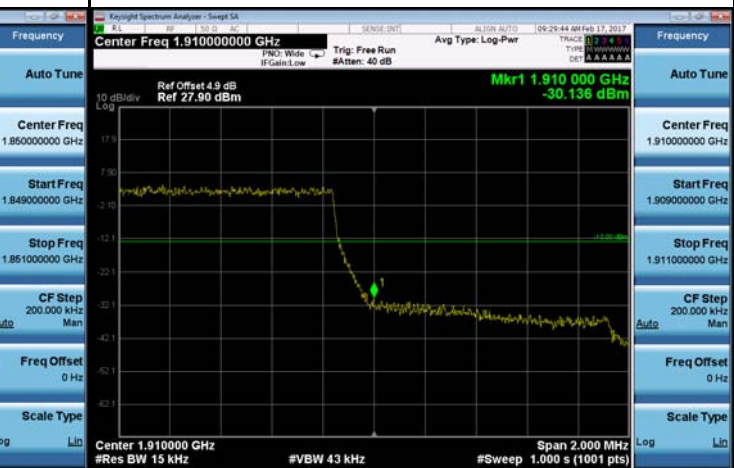
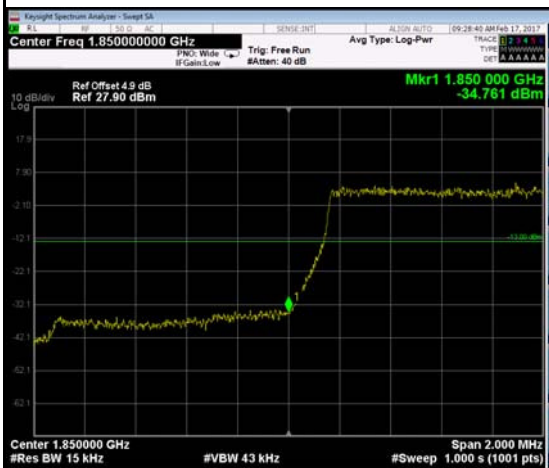
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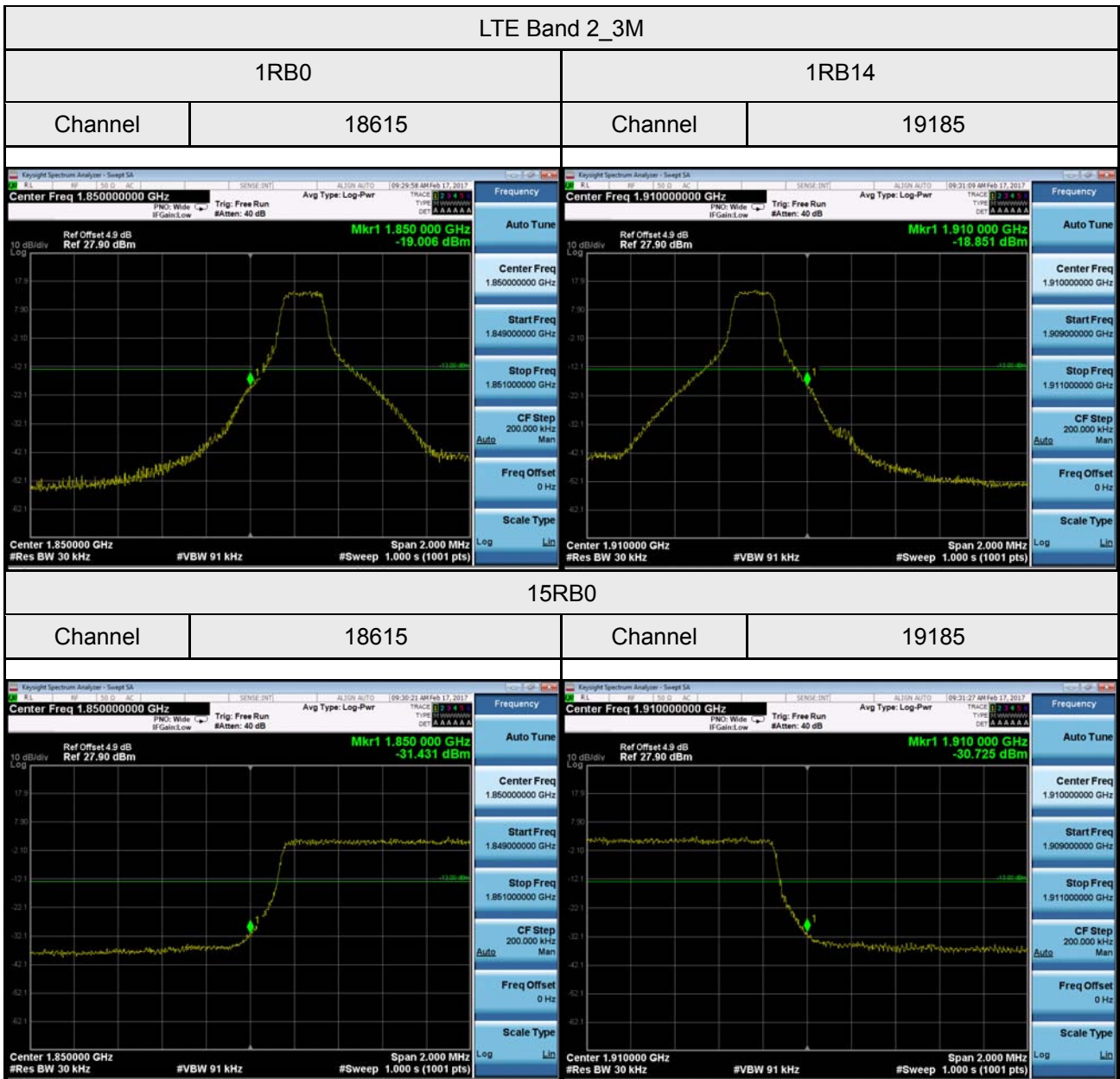
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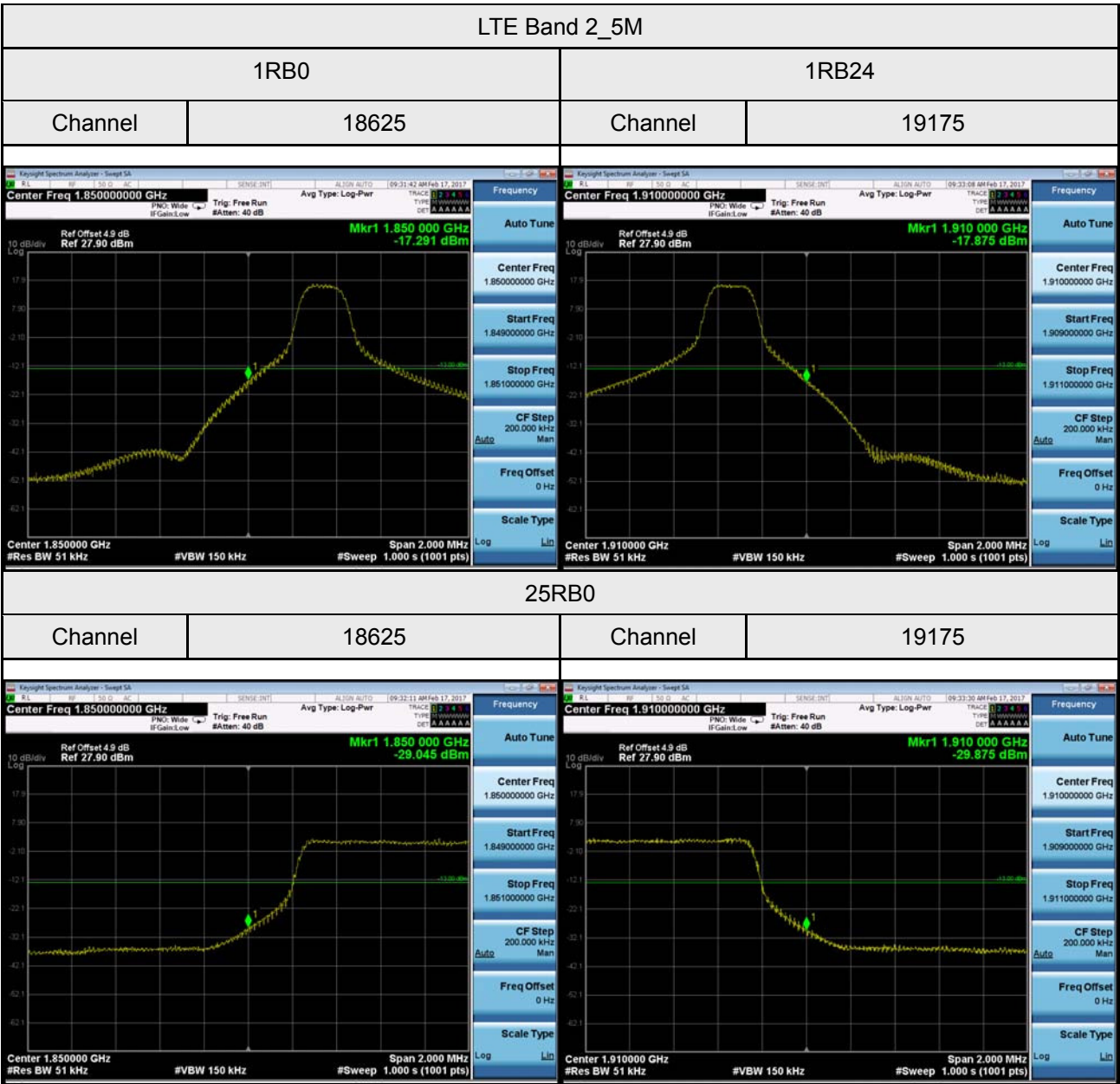
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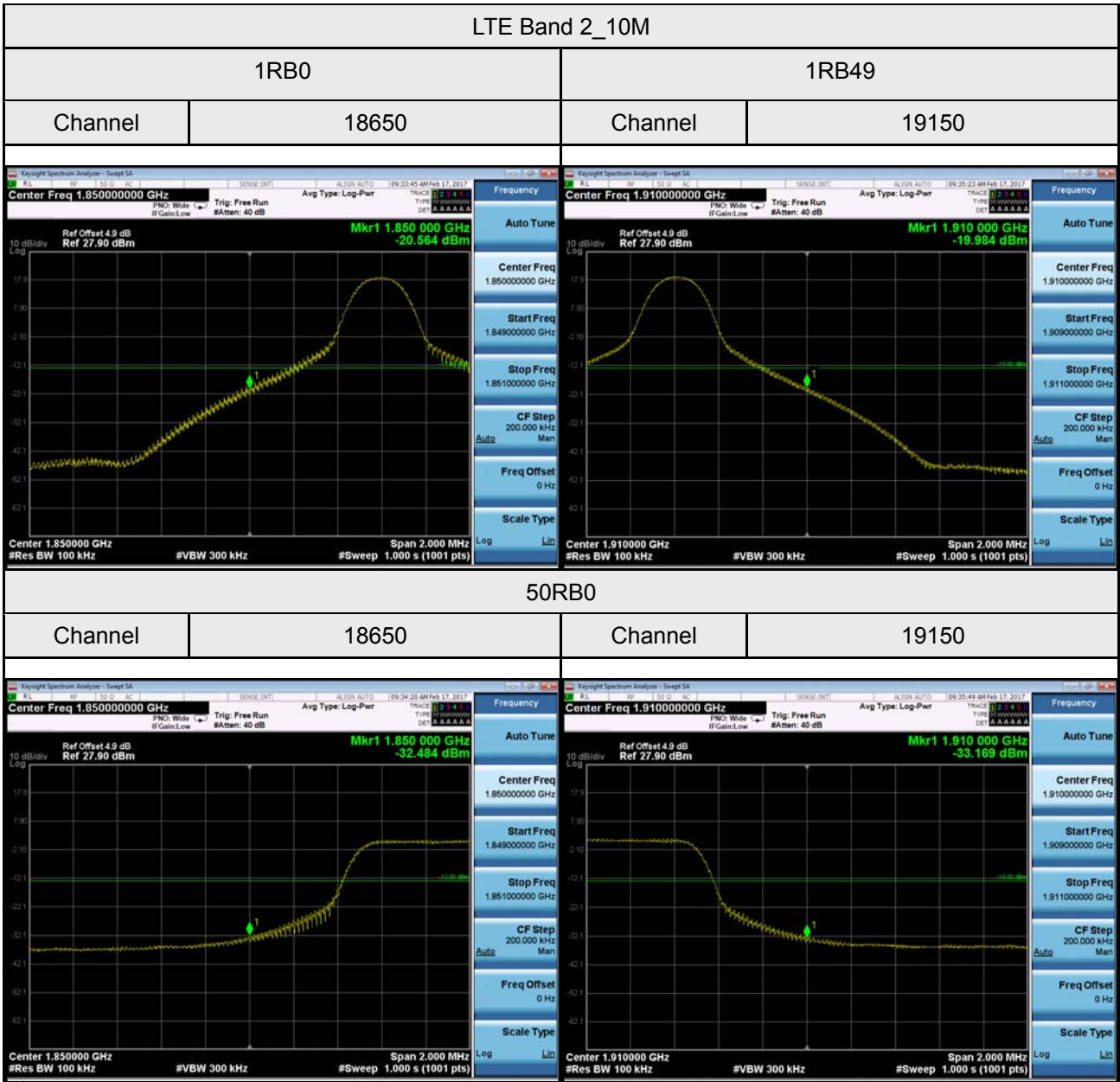
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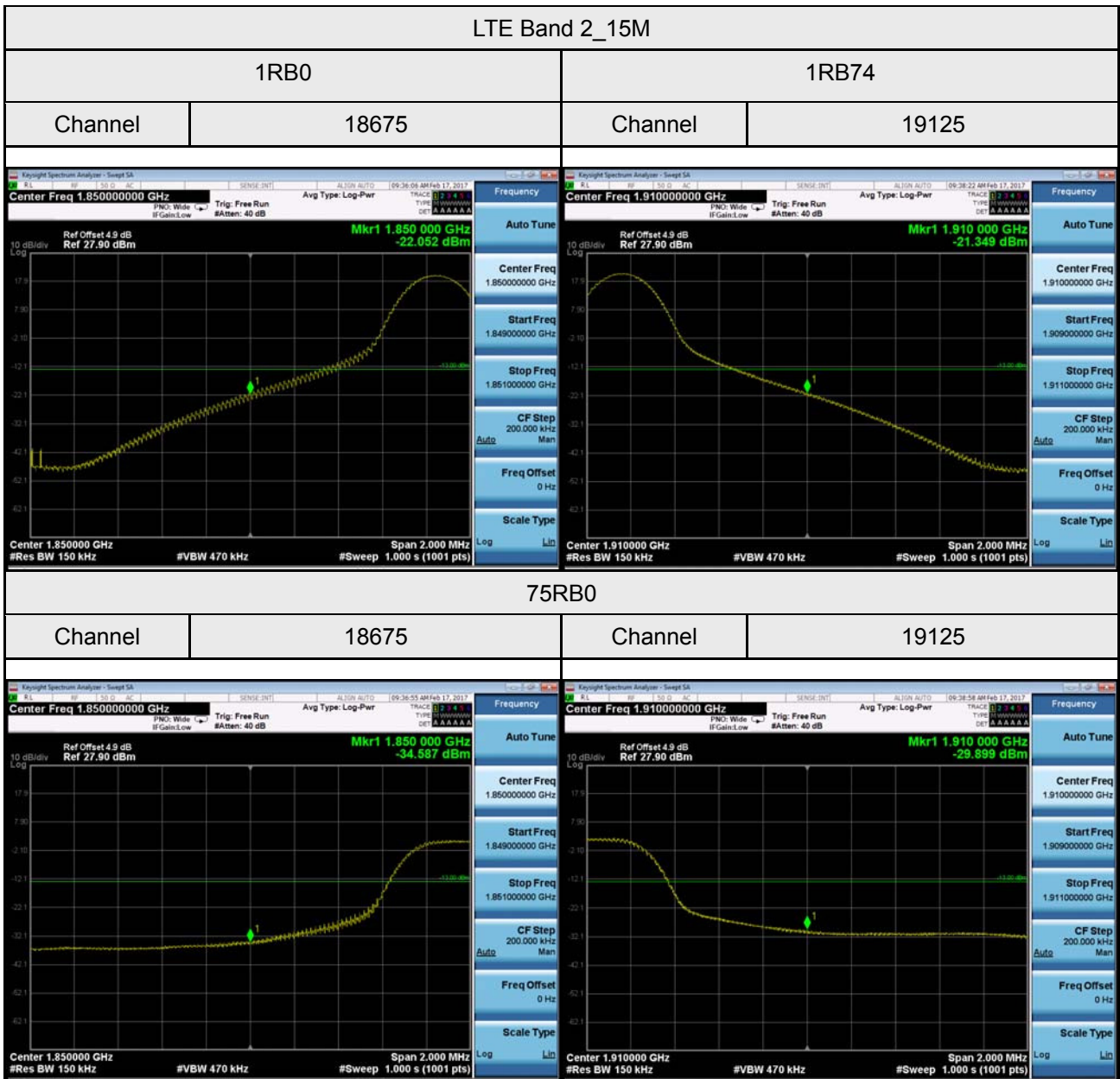
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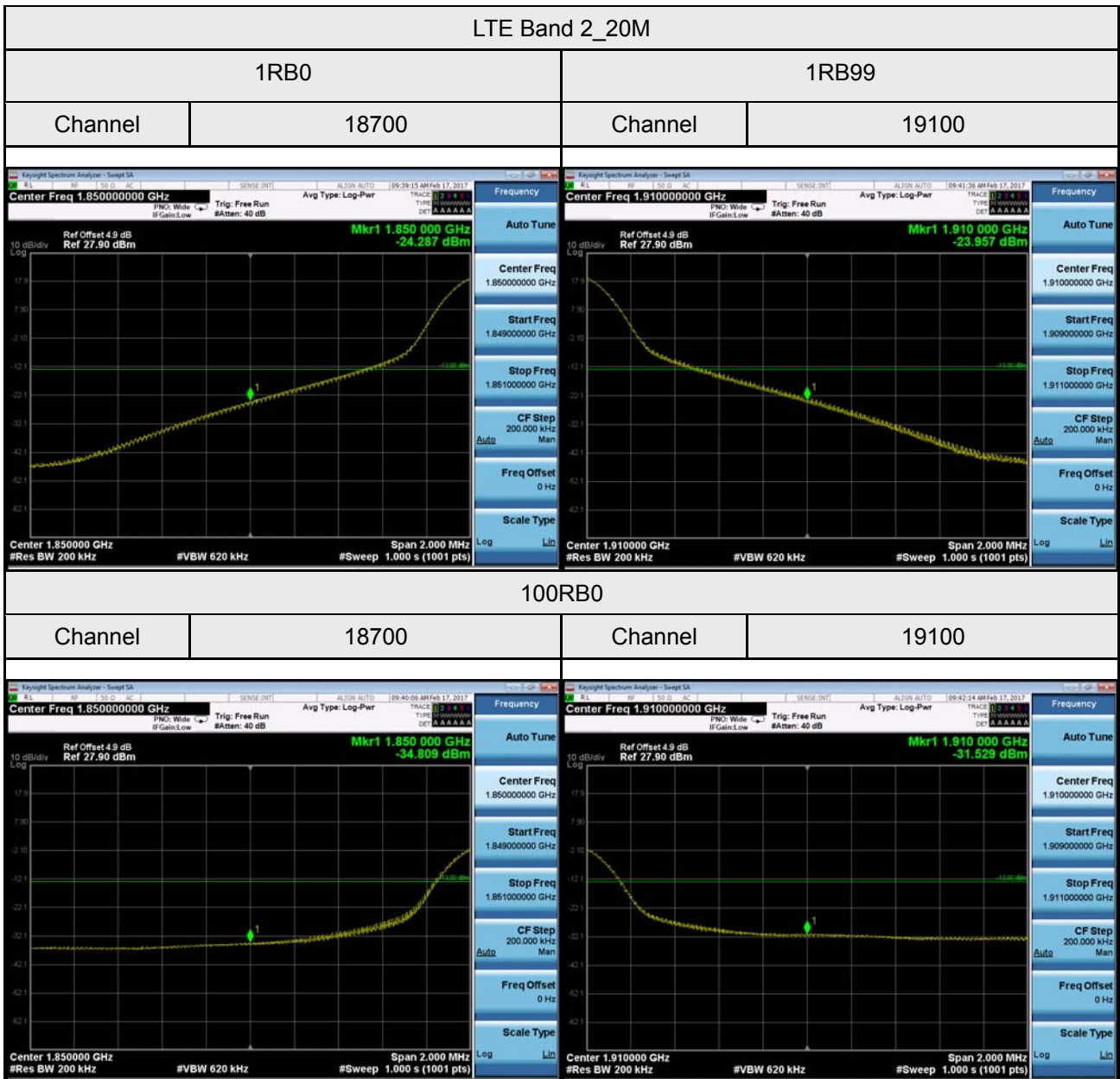






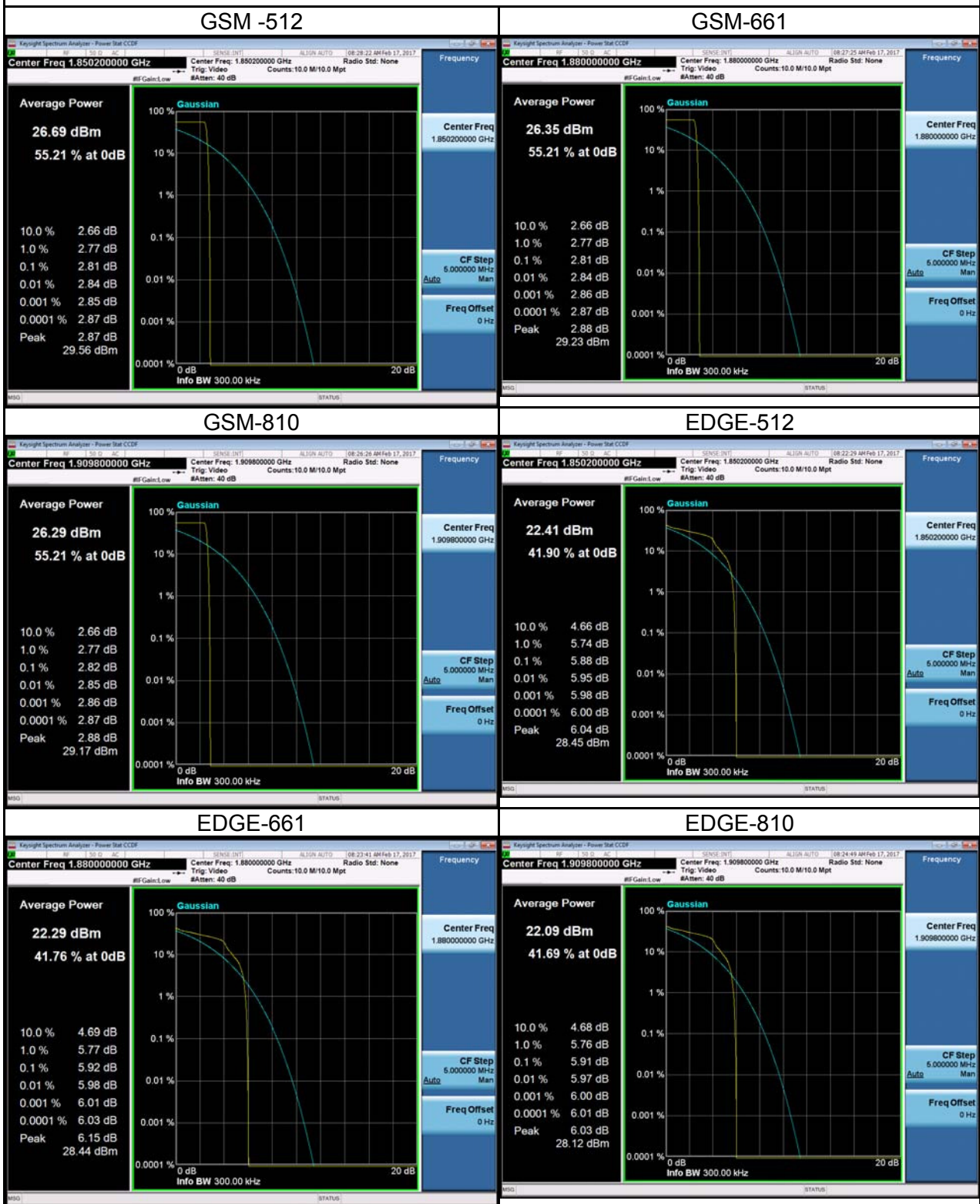




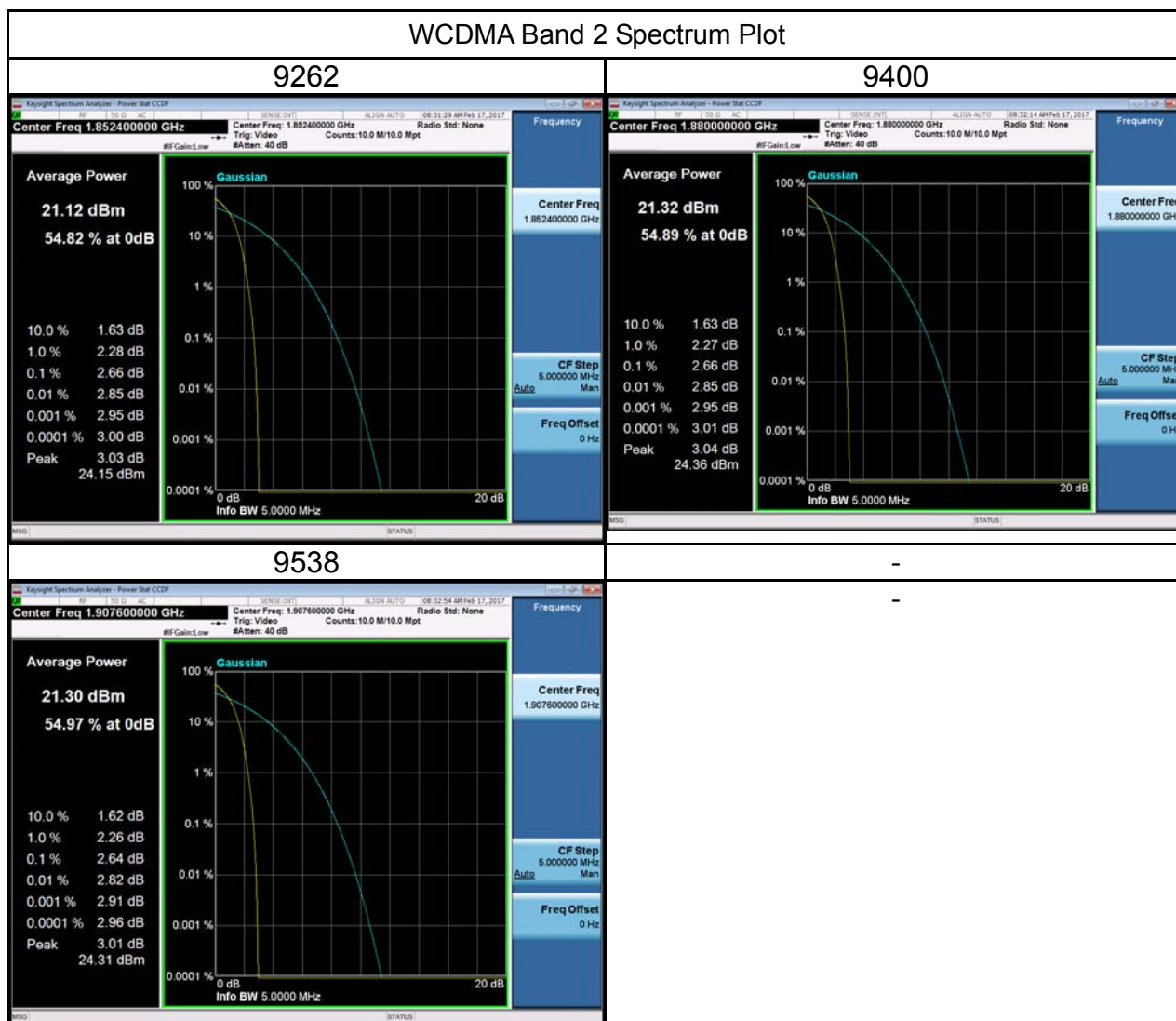


ATTACHMENT F - PEAK TO AVERAGE RATIO

DCS1900 Spectrum Plot



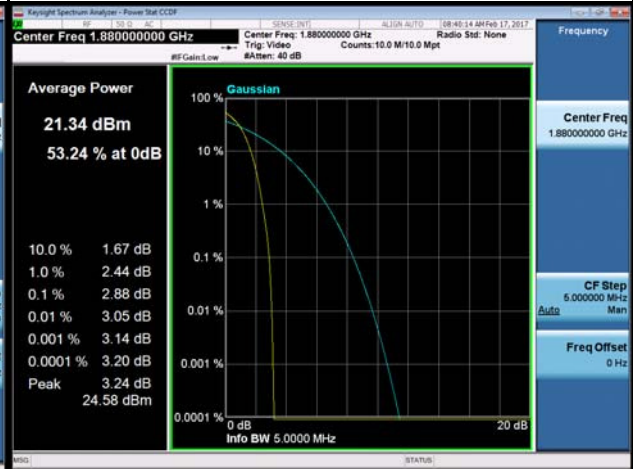
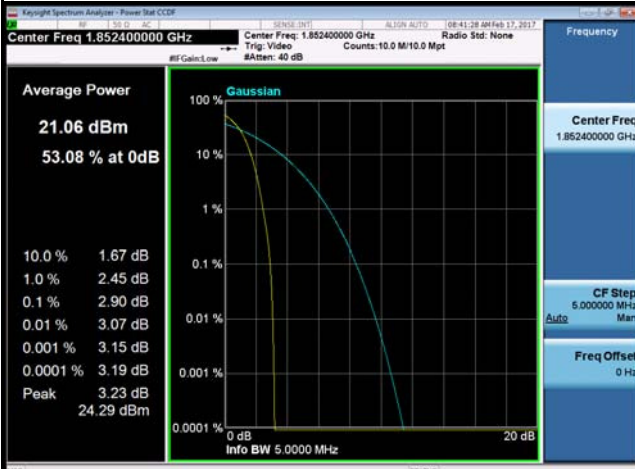
WCDMA Band 2 Spectrum Plot



WCDMA_HSDPA Band 2 Spectrum Plot

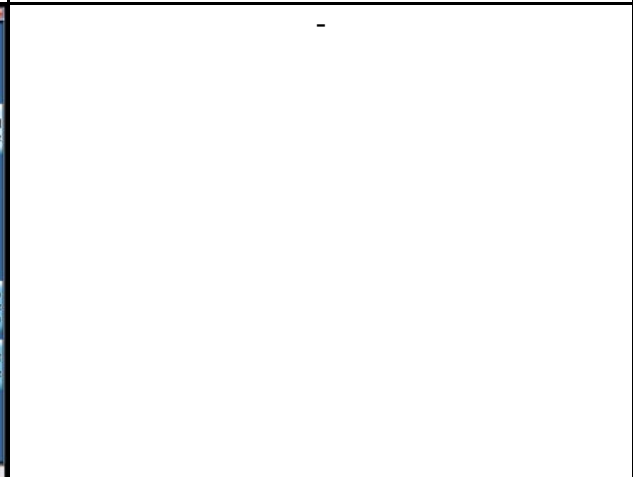
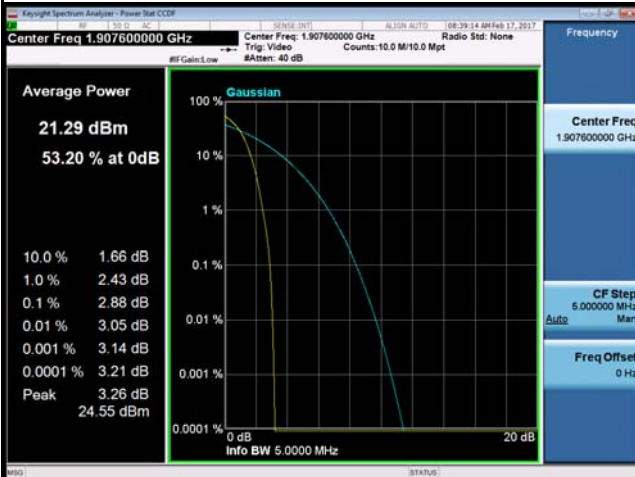
9262

9400



9538

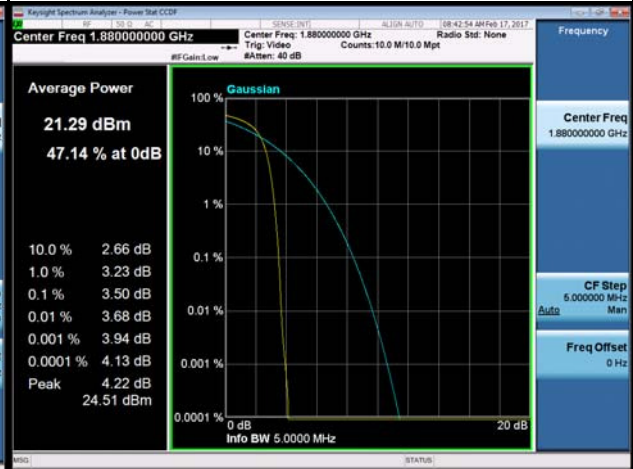
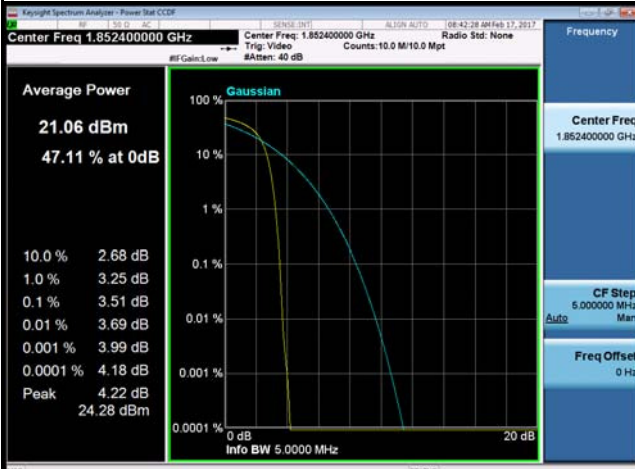
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WCDMA_HSUPA Band 2 Spectrum Plot

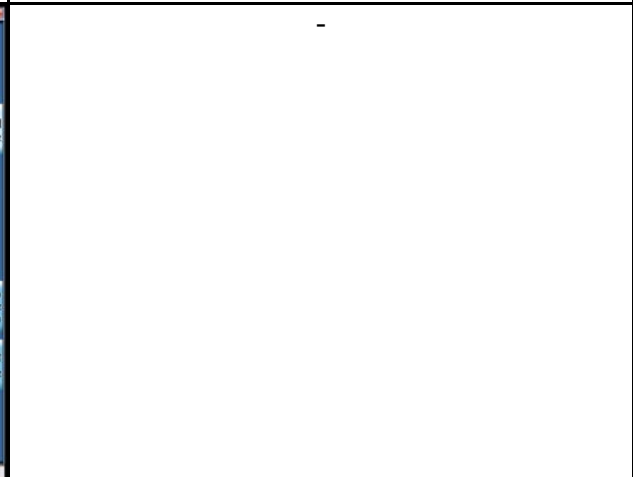
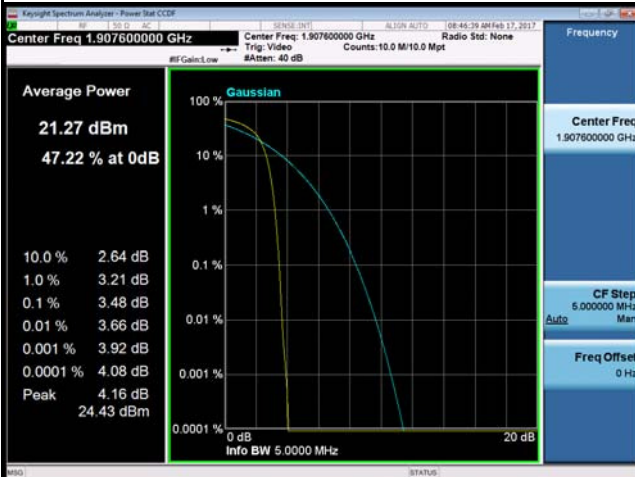
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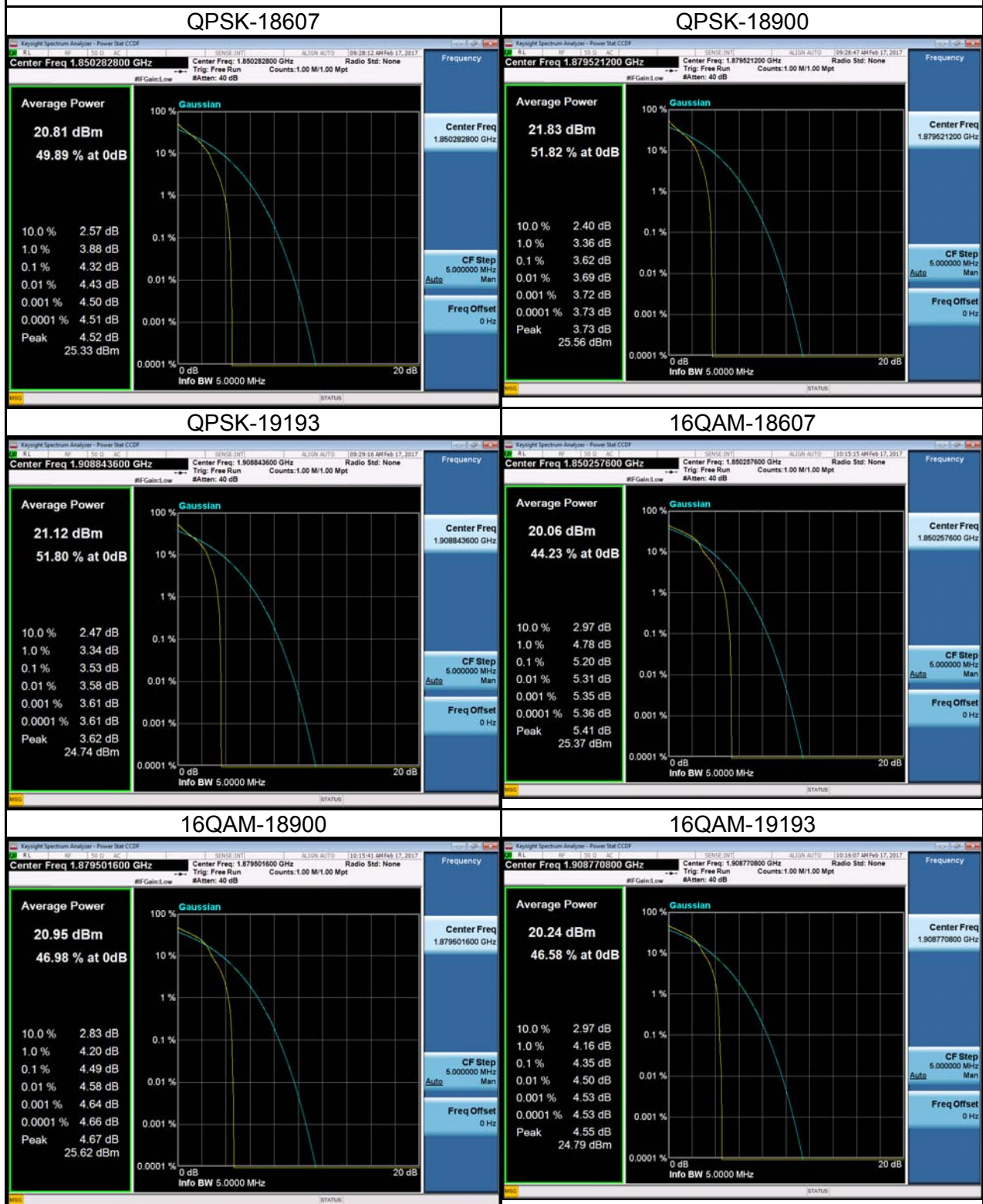


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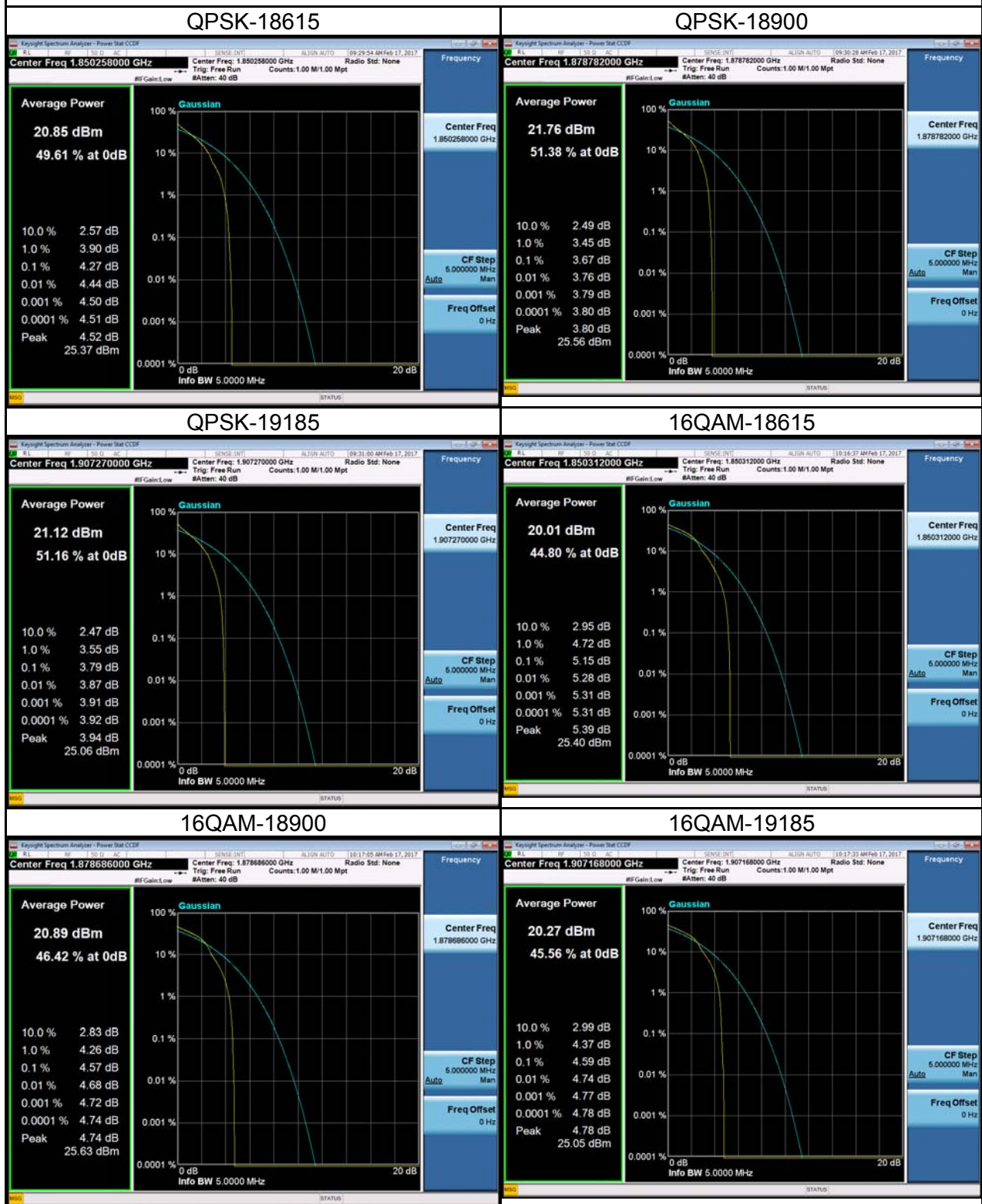
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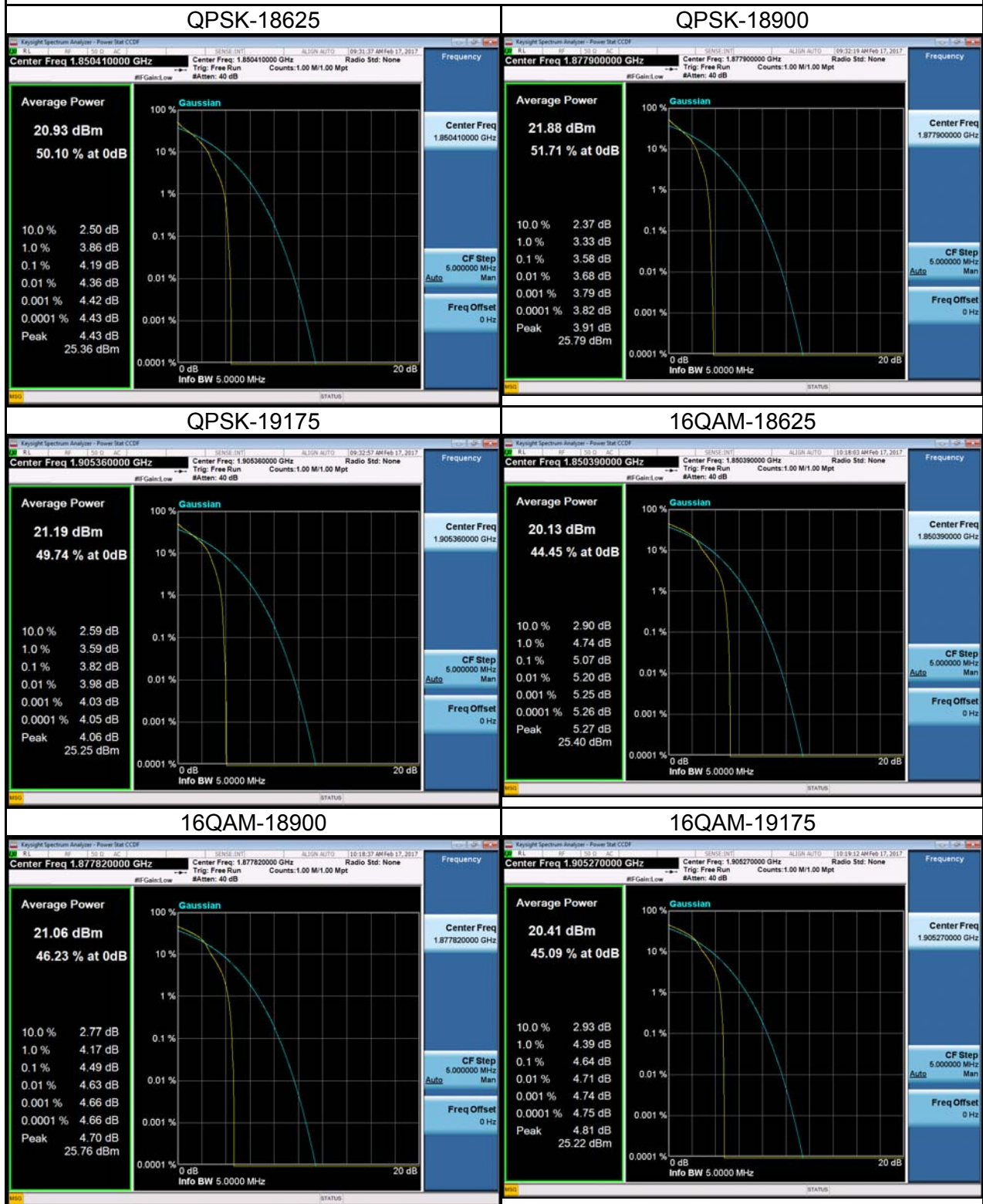
LTE Band 2 Spectrum Plot_1.4M



LTE Band 2 Spectrum Plot_3M



LTE Band 2 Spectrum Plot_5M



LTE Band 2 Spectrum Plot_10M

QPSK-18650



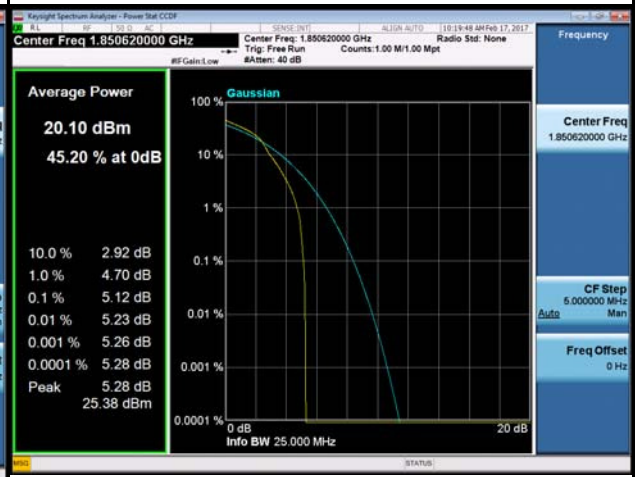
QPSK-18900



QPSK-19150



16QAM-18650



16QAM-18900



16QAM-19150



LTE Band 2 Spectrum Plot_15M

QPSK-18675



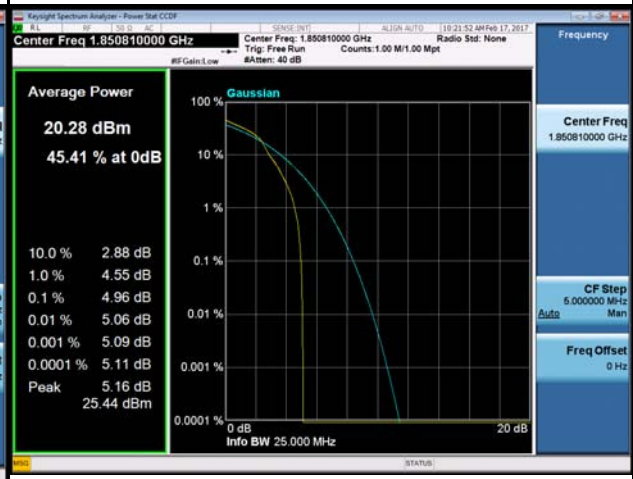
QPSK-18900



QPSK-19125



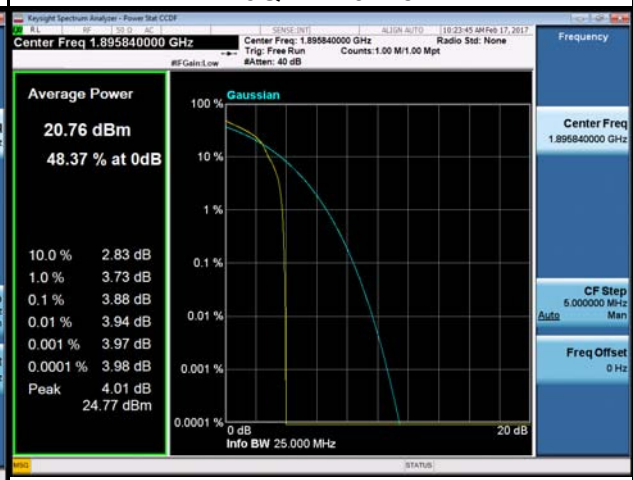
16QAM-18675



16QAM-18900



16QAM-19125



LTE Band 2 Spectrum Plot_20M

QPSK-18700



QPSK-18900



QPSK-19100



16QAM-18700



16QAM-18900



16QAM-19100



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)	9.02	0.004875149	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)	7.25	0.003918495	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)	9.32	0.004957447	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)	7.56	0.004021277	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)	6.10	0.003244681	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)	3.86	0.002053191	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)	6.21	0.003303191	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)	5.03	0.002675532	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)	5.54	0.002946809	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)	5.56	0.002957447	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)	6.01	0.003196809	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	0.00312766	2.5