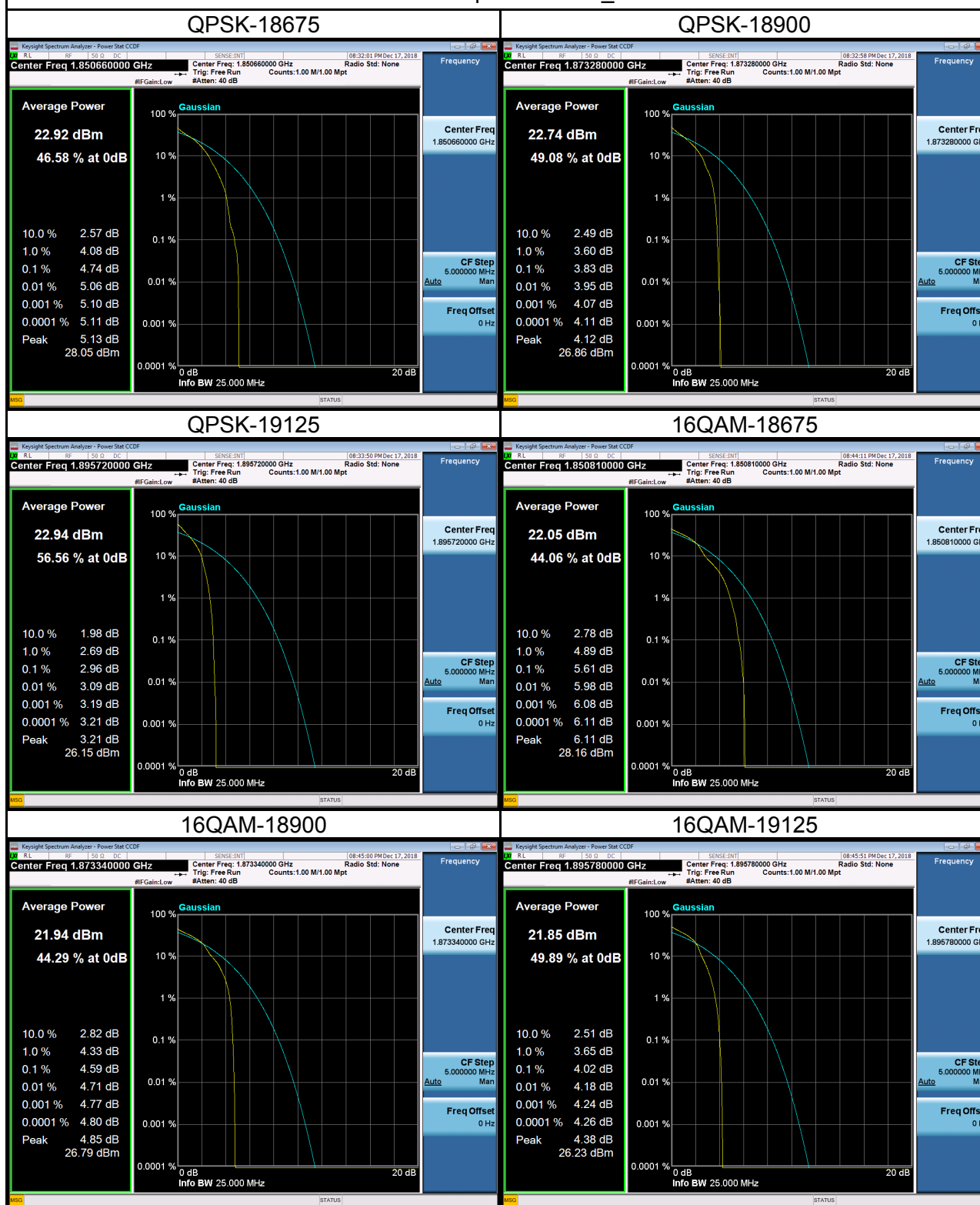
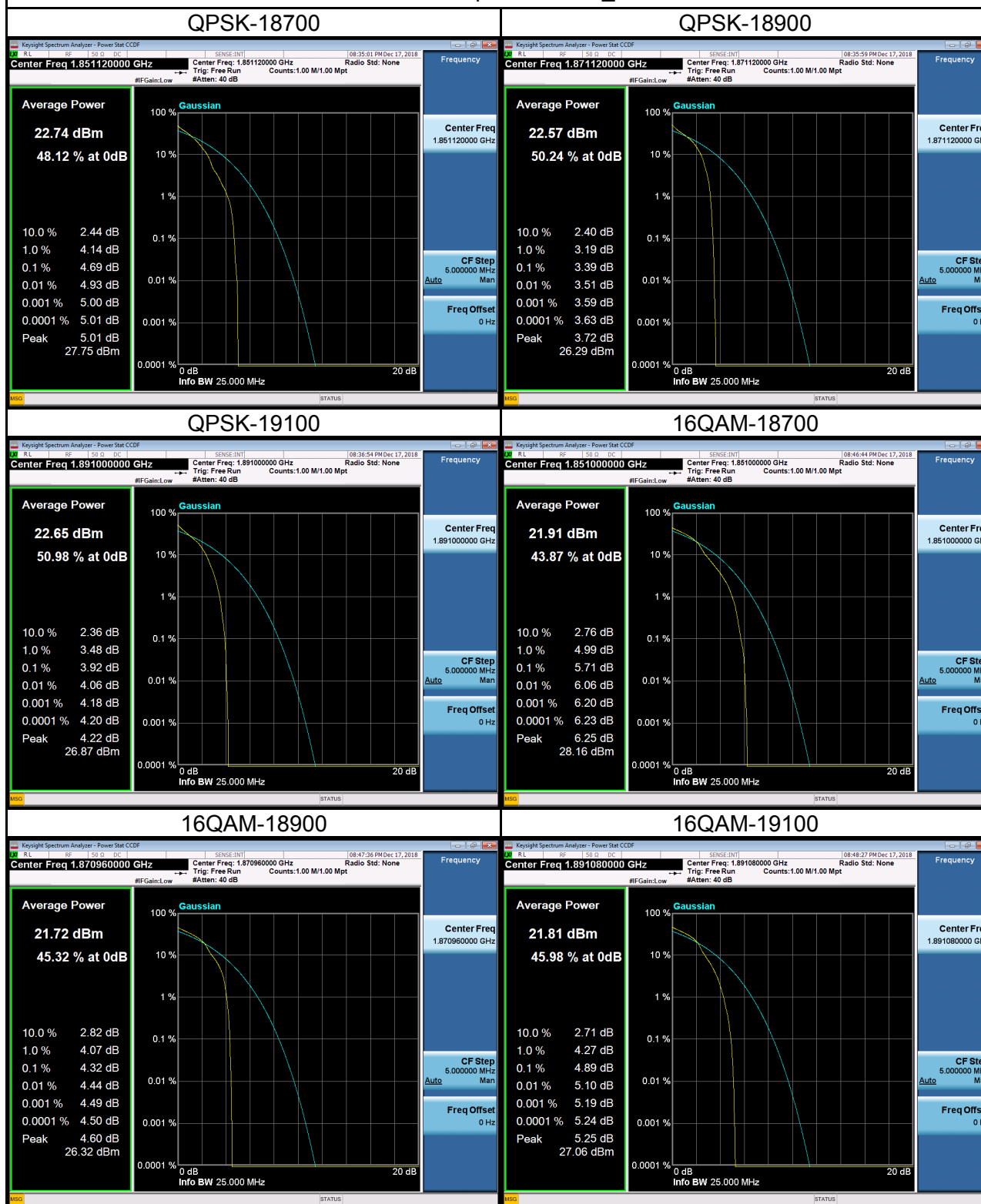


# LTE Band 2 Spectrum Plot\_15M



# LTE Band 2 Spectrum Plot\_20M



## APPENDIX I - FREQUENCY STABILITY

Test Mode:	PCS1900_CH661
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-10	3.95	0.002101064	± 2.5
0	4.61	0.002452128	
10	6.22	0.003308511	
20	5.51	0.002930851	
30	4.15	0.002207447	
40	5.63	0.002994681	
50	6.36	0.003382979	
60	4.42	0.002351064	
Max. Deviation (ppm)	6.36	0.003382979	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.35	4.10	0.002180851	± 2.5
3.80	3.70	0.001968085	
3.50	4.03	0.002143617	
Max. Deviation (ppm)	4.10	0.002180851	

Test Mode:	WCDMA Band II_CH9400
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### Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-10	4.79	0.002547872	± 2.5
0	6.76	0.003595745	
10	2.84	0.001510638	
20	3.41	0.00181383	
30	3.26	0.001734043	
40	3.65	0.001941489	
50	7.34	0.003904255	
60	2.63	0.001398936	
Max. Deviation (ppm)	7.34	0.003904255	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.35	1.16	0.000617021	± 2.5
3.80	2.71	0.001441489	
3.50	3.74	0.001989362	
Max. Deviation (ppm)	3.74	0.001989362	

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)
-10	4.41	0.002527221	± 2.5
0	-5.61	-0.0032149	
10	4.28	0.002452722	
20	-3.34	-0.00191404	
30	-1.49	-0.000853868	
40	-0.53	-0.000303725	
50	1.08	0.000618911	
60	-3.04	-0.00174212	
Max. Deviation (ppm)	-5.61	-0.0032149	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.35	4.46	0.002555874	± 2.5
3.80	-1.15	-0.000659026	
3.50	5.93	0.003398281	
Max. Deviation (ppm)	5.93	0.003398281	

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)
-10	4.23	0.002424069	± 2.5
0	-5.62	-0.00322063	
10	-3.95	-0.00226361	
20	-3.55	-0.002034384	
30	4.77	0.002733524	
40	3.93	0.002252149	
50	-2.37	-0.001358166	
60	-4.87	-0.002790831	
Max. Deviation (ppm)	-5.62	-0.00322063	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.35	-4.89	-0.002802292	± 2.5
3.80	-7.06	-0.004045845	
3.50	3.22	0.001845272	
Max. Deviation (ppm)	-7.06	-0.004045845	

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)
-10	2.98	0.001707736	± 2.5
0	3.96	0.002269341	
10	-6.60	-0.003782235	
20	-4.33	-0.002481375	
30	1.72	0.000985673	
40	-9.36	-0.005363897	
50	-2.80	-0.001604585	
60	4.69	0.002687679	
Max. Deviation (ppm)	-9.36	-0.005363897	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.35	2.36	0.001352436	± 2.5
3.80	-5.19	-0.002974212	
3.50	-1.70	-0.000974212	
Max. Deviation (ppm)	-5.19	-0.002974212	



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)
-10	4.03	0.002309456	± 2.5
0	-1.64	-0.000939828	
10	-2.62	-0.001501433	
20	-1.68	-0.000962751	
30	2.54	0.001455587	
40	4.10	0.00234957	
50	4.69	0.002687679	
60	5.01	0.00287106	
Max. Deviation (ppm)	5.01	0.00287106	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.35	3.55	0.002034384	± 2.5
3.80	4.63	0.002653295	
3.50	5.00	0.00286533	
Max. Deviation (ppm)	5.00	0.00286533	

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)
-10	2.25	0.001289398	± 2.5
0	5.65	0.003237822	
10	3.73	0.002137536	
20	-2.15	-0.001232092	
30	-4.33	-0.002481375	
40	5.96	0.003415473	
50	4.43	0.002538682	
60	1.45	0.000830946	
Max. Deviation (ppm)	5.96	0.003415473	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.35	0.96	0.000550143	± 2.5
3.80	-2.29	-0.001312321	
3.50	5.53	0.003169054	
Max. Deviation (ppm)	5.53	0.003169054	

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)
-10	4.47	0.002561605	± 2.5
0	3.81	0.002183381	
10	-2.41	-0.001381089	
20	-1.25	-0.000716332	
30	7.58	0.00434384	
40	3.28	0.001879656	
50	6.25	0.003581662	
60	-2.96	-0.001696275	
Max. Deviation (ppm)	7.58	0.00434384	

### Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.35	6.35	0.003638968	± 2.5
3.80	3.63	0.002080229	
3.50	-1.77	-0.001014327	
Max. Deviation (ppm)	6.35	0.003638968	

End of Test Report