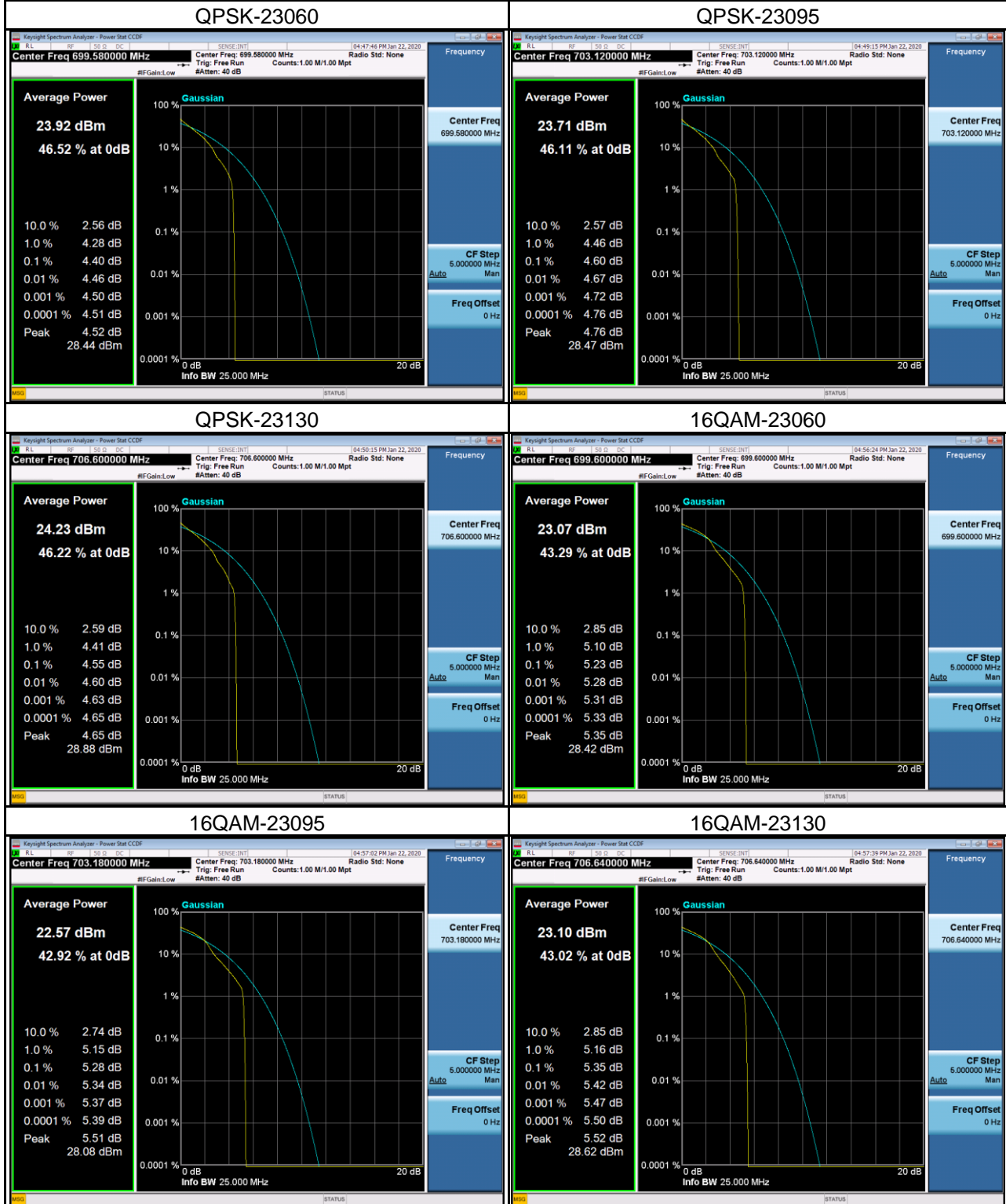
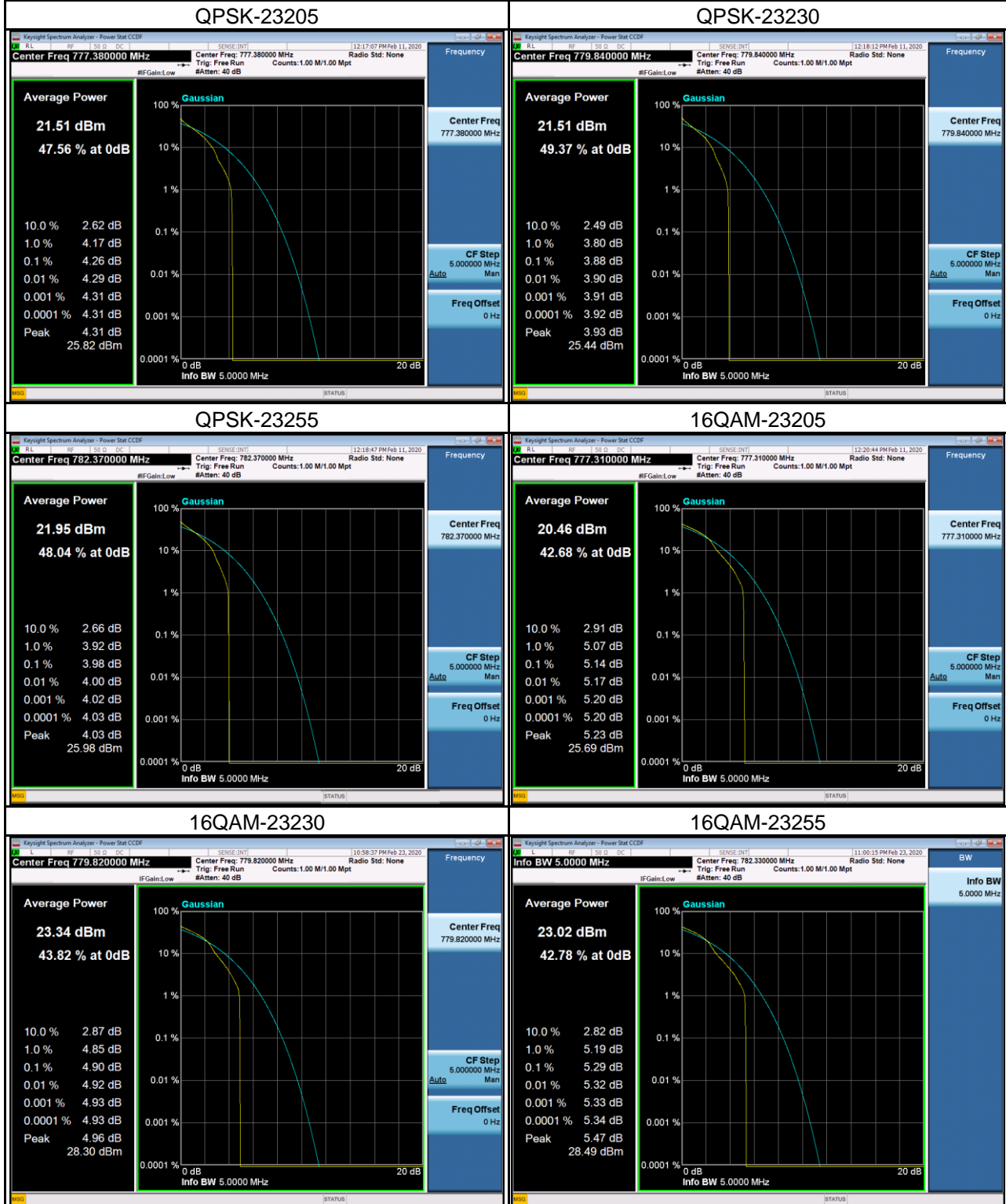


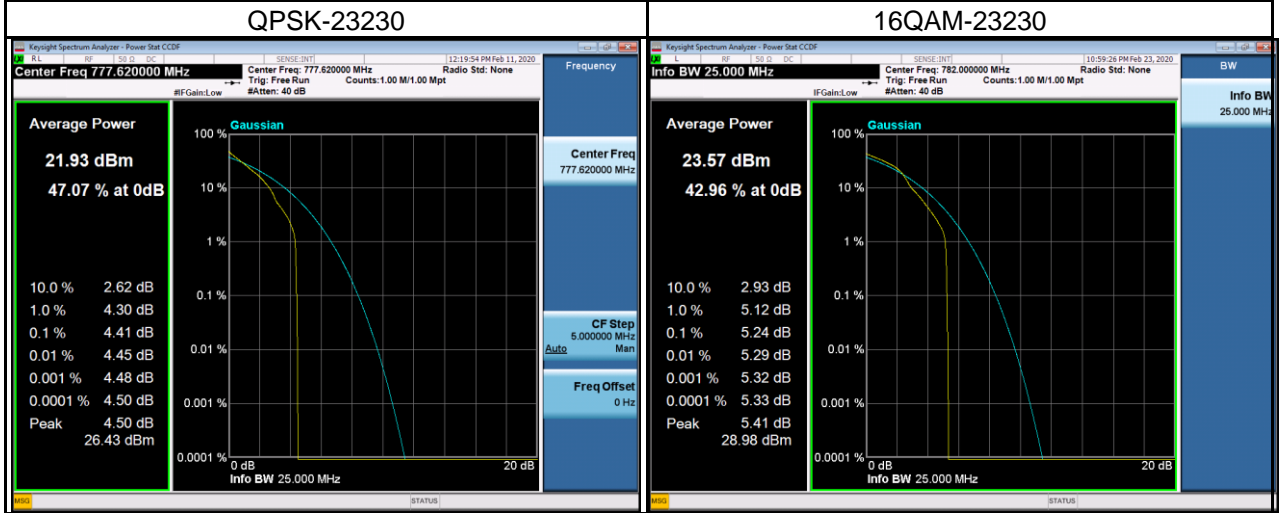
## LTE Band 12 Spectrum Plot\_10M



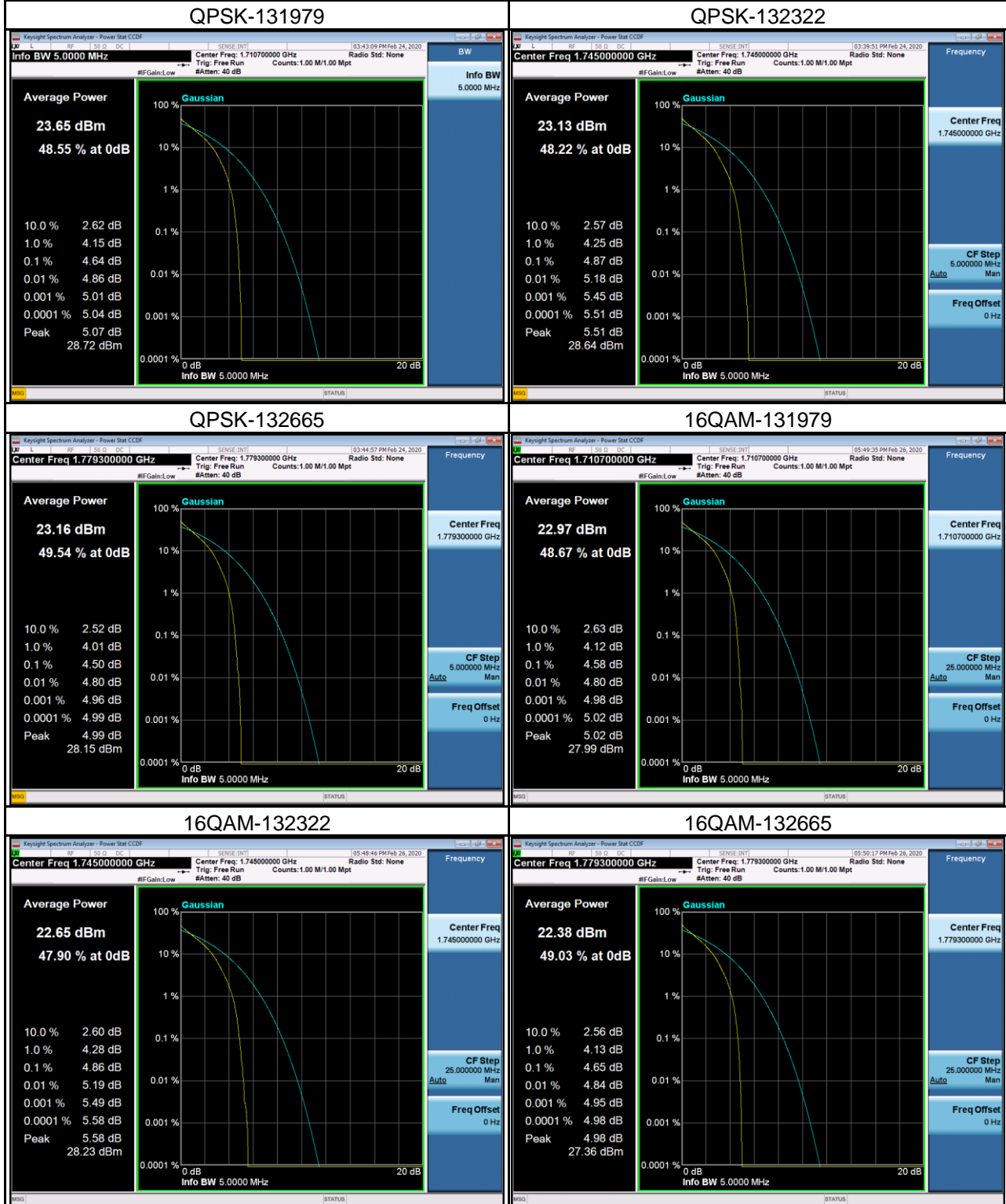
## LTE Band 13 Spectrum Plot\_5M



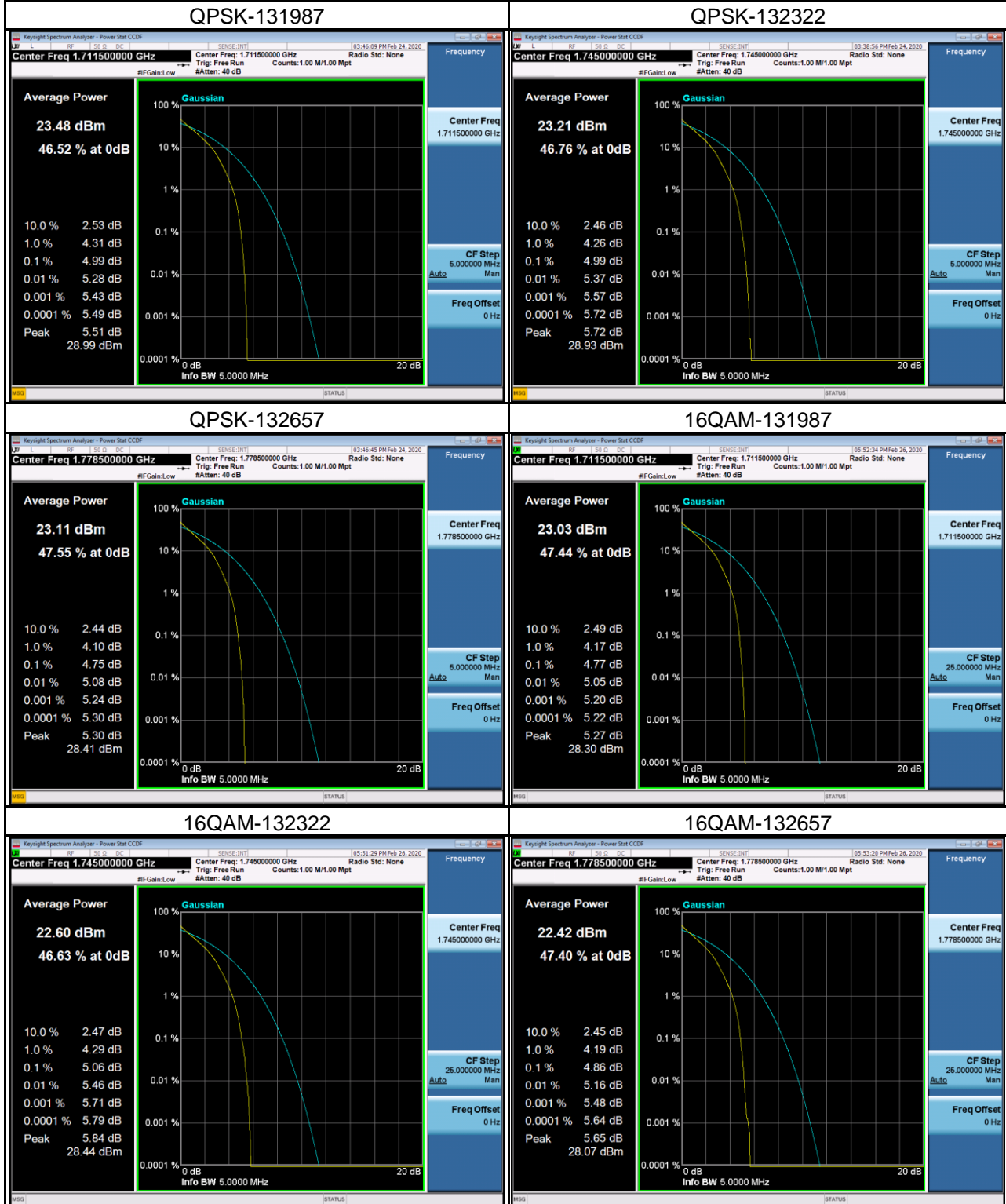
## LTE Band 13 Spectrum Plot\_10M



## LTE Band 66 Spectrum Plot\_1.4M



## LTE Band 66 Spectrum Plot\_3M



## LTE Band 66 Spectrum Plot\_5M



## LTE Band 66 Spectrum Plot\_10M



## LTE Band 66 Spectrum Plot\_15M





## LTE Band 66 Spectrum Plot\_20M



## APPENDIX H - 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)
-30	-3.69	-0.002129870	±2.5
-20	-5.34	-0.003084325	
-10	-2.94	-0.001699408	
0	1.06	0.000613629	
10	-5.86	-0.003381166	
20	-8.11	-0.004680777	
30	-2.92	-0.001684508	
40	-6.68	-0.003857441	
50	-1.28	-0.000737203	
Max. Deviation (ppm)	-8.11	-0.004680777	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-2.91	-0.001679180	±2.5
3.80	-7.05	-0.004066773	
4.40	-3.38	-0.001948998	
Max. Deviation (ppm)	-7.05	-0.004066773	

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)
-30	-2.88	-0.001662338	±2.5
-20	-5.98	-0.003451874	
-10	-4.18	-0.002412006	
0	-5.66	-0.003268729	
10	0.87	0.000501752	
20	-2.64	-0.001524368	
30	-4.62	-0.002666335	
40	-3.08	-0.001779062	
50	-2.39	-0.001379275	
Max. Deviation (ppm)	-5.98	-0.003451874	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-6.32	-0.003648210	±2.5
3.80	-6.95	-0.004013552	
4.40	1.79	0.001031921	
Max. Deviation (ppm)	-6.95	-0.004013552	

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)
-30	-0.54	-0.000311688	±2.5
-20	2.08	0.001198473	
-10	0.40	0.000228409	
0	-4.16	-0.002398280	
10	-3.88	-0.002239877	
20	-3.81	-0.002196733	
30	-3.99	-0.002303712	
40	1.05	0.000605600	
50	-4.29	-0.002473477	
Max. Deviation (ppm)	-4.29	-0.002473477	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	3.15	0.001815452	±2.5
3.80	-2.68	-0.001545068	
4.40	1.33	0.000768211	
Max. Deviation (ppm)	3.15	0.001815452	

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)
-30	-1.75	-0.001010101	±2.5
-20	-2.36	-0.001363148	
-10	1.97	0.001139553	
0	0.27	0.000153628	
10	1.44	0.000831437	
20	1.22	0.000705646	
30	2.65	0.001528717	
40	1.42	0.000820833	
50	2.08	0.001201145	
Max. Deviation (ppm)	2.65	0.001528717	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	2.64	0.001522052	±2.5
3.80	-0.39	-0.000227391	
4.40	-4.10	-0.002366798	
Max. Deviation (ppm)	-4.10	-0.002366798	

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)
-30	-4.69	-0.002707071	±2.5
-20	-4.22	-0.002434043	
-10	-2.46	-0.001422180	
0	-0.68	-0.000392311	
10	-0.51	-0.000295839	
20	-4.70	-0.002714102	
30	-3.47	-0.002001566	
40	-1.97	-0.001134647	
50	-3.97	-0.002291396	
Max. Deviation (ppm)	-4.70	-0.002714102	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-0.51	-0.000295946	±2.5
3.80	-4.64	-0.002675842	
4.40	-5.16	-0.002976793	
Max. Deviation (ppm)	-5.16	-0.002976793	

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)
-30	1.21	0.000698413	±2.5
-20	2.10	0.001210239	
-10	0.90	0.000520585	
0	0.78	0.000450948	
10	-3.31	-0.001912247	
20	-1.50	-0.000865075	
30	0.80	0.000463197	
40	6.00	0.003461480	
45	5.45	0.003143823	
Max. Deviation (ppm)	6.00	0.00346148	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-3.44	-0.001986138	±2.5
3.80	4.70	0.002710259	
4.40	5.90	0.003406795	
Max. Deviation (ppm)	5.90	0.003406795	

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)
-30	2.98	0.001175542	±2.5
-20	6.37	0.002511807	
-10	2.94	0.001158982	
0	4.25	0.001674679	
10	7.91	0.003120843	
20	2.66	0.001048183	
30	1.46	0.000576326	
40	6.50	0.002565033	
50	1.83	0.000722095	
Max. Deviation (ppm)	7.91	0.003120843	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	6.01	0.002369654	±2.5
3.80	0.17	0.000067487	
4.40	6.99	0.002758537	
Max. Deviation (ppm)	6.99	0.002758537	

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)
-30	-4.44	-0.001751479	±2.5
-20	-3.14	-0.001237289	
-10	-1.53	-0.000603459	
0	-4.73	-0.001866610	
10	-5.90	-0.002325710	
20	-5.24	-0.002065689	
30	-4.55	-0.001793753	
40	-3.52	-0.001389440	
50	-2.54	-0.001003782	
Max. Deviation (ppm)	-5.90	-0.00232571	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-8.01	-0.003161038	±2.5
3.80	-7.12	-0.002808039	
4.40	-1.78	-0.000702771	
Max. Deviation (ppm)	-8.01	-0.003161038	

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)
-30	0.69	0.000272189	±2.5
-20	3.26	0.001285054	
-10	0.54	0.000214509	
0	-1.19	-0.000469651	
10	-2.58	-0.001015813	
20	4.15	0.001637613	
30	1.75	0.000691323	
40	2.37	0.000933502	
50	-2.07	-0.000816805	
Max. Deviation (ppm)	4.15	0.001637613	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	0.65	0.000257729	±2.5
3.80	2.84	0.001121963	
4.40	-3.11	-0.001226266	
Max. Deviation (ppm)	-3.11	-0.001226266	

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)
-30	-2.82	-0.001112426	±2.5
-20	-7.56	-0.002983578	
-10	-7.68	-0.003028039	
0	-5.48	-0.002163406	
10	0.20	0.000079889	
20	-3.47	-0.001369611	
30	-4.83	-0.001905453	
40	-0.07	-0.000025872	
50	0.99	0.000389269	
Max. Deviation (ppm)	-7.68	-0.003028039	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-3.34	-0.001316793	±2.5
3.80	-4.98	-0.001963215	
4.40	0.84	0.000332882	
Max. Deviation (ppm)	-4.98	-0.001963215	

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)
-30	2.57	0.003632509	±2.5
-20	4.31	0.006095320	
-10	0.79	0.001123476	
0	-0.15	-0.000219071	
10	7.09	0.010022967	
20	1.73	0.002449977	
30	5.05	0.007133610	
40	5.94	0.008390398	
50	6.98	0.009870054	
Max. Deviation (ppm)	7.09	0.010022967	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	3.21	0.004531832	±2.5
3.80	7.05	0.009966679	
4.40	-1.23	-0.001733413	
Max. Deviation (ppm)	7.05	0.009966679	

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)
-30	-0.72	-0.001017668	±2.5
-20	-2.80	-0.003956595	
-10	2.62	0.003699466	
0	-0.76	-0.001072492	
10	-5.30	-0.007493561	
20	-0.20	-0.000275900	
30	3.39	0.004786353	
40	-4.00	-0.005649186	
50	2.18	0.003075965	
Max. Deviation (ppm)	-5.30	-0.007493561	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-5.52	-0.007805207	±2.5
3.80	2.91	0.004115759	
4.40	-0.55	-0.000776914	
Max. Deviation (ppm)	-5.52	-0.007805207	



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)
-30	3.88	0.005484099	±2.5
-20	4.60	0.006499523	
-10	-0.65	-0.000923283	
0	2.94	0.004154891	
10	4.85	0.006849470	
20	1.19	0.001684610	
30	8.74	0.012347222	
40	8.64	0.012213342	
50	7.63	0.010781811	
Max. Deviation (ppm)	8.74	0.012347222	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	4.96	0.007013770	±2.5
3.80	1.67	0.002354784	
4.40	6.44	0.009107517	
Max. Deviation (ppm)	6.44	0.009107517	

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)
-30	-3.97	-0.005611307	±2.5
-20	-4.02	-0.005683193	
-10	-5.81	-0.008212056	
0	0.72	0.001023147	
10	-6.19	-0.008756138	
20	-4.20	-0.005938764	
30	-4.13	-0.005844381	
40	-7.59	-0.010722708	
50	-6.48	-0.009151996	
Max. Deviation (ppm)	-7.59	-0.010722708	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-8.03	-0.011353333	±2.5
3.80	-7.10	-0.010029650	
4.40	-5.00	-0.007072019	
Max. Deviation (ppm)	-8.03	-0.011353333	

Test Mode:	LTE Band 13_CH23230_5M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-5.69	-0.007276215	±2.5
-20	-9.25	-0.011831829	
-10	-4.00	-0.005120060	
0	-9.98	-0.012758016	
10	-10.17	-0.013005497	
20	-1.28	-0.001640195	
30	-6.96	-0.008895441	
40	-3.91	-0.005005573	
50	-2.63	-0.003360050	
Max. Deviation (ppm)	-10.17	-0.013005497	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-5.27	-0.006734317	±2.5
3.80	-1.23	-0.001567313	
4.40	-2.64	-0.003377558	
Max. Deviation (ppm)	-5.27	-0.006734317	

Test Mode:	LTE Band 13_CH23230_10M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-3.17	-0.004053708	±2.5
-20	-4.41	-0.005637609	
-10	-1.28	-0.001633544	
0	0.78	0.000996823	
10	-1.24	-0.001589870	
20	-2.73	-0.003484928	
30	0.67	0.000851912	
40	-3.32	-0.004245077	
50	1.34	0.001719721	
Max. Deviation (ppm)	-4.41	-0.005637609	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-4.99	-0.006385233	±2.5
3.80	-2.08	-0.002662449	
4.40	-6.13	-0.007841870	
Max. Deviation (ppm)	-6.13	-0.007841870	

Test Mode:	LTE Band 66_CH132322_1.4M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-1.26	-0.000722063	±2.5
-20	-1.81	-0.001037921	
-10	-0.76	-0.000433839	
0	2.23	0.001280491	
10	-4.67	-0.002676232	
20	0.70	0.000403409	
30	3.01	0.001724542	
40	-4.64	-0.002656572	
50	1.22	0.000697261	
Max. Deviation (ppm)	-4.67	-0.002676232	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	0.00	0.000000559	±2.5
3.80	-4.04	-0.002315473	
4.40	2.18	0.001247859	
Max. Deviation (ppm)	-4.04	-0.002315473	

Test Mode:	LTE Band 66_CH132322_3M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	0.77	0.000441261	±2.5
-20	-3.81	-0.002181938	
-10	0.95	0.000541962	
0	-0.08	-0.000046672	
10	5.43	0.003114455	
20	-1.82	-0.001042193	
30	3.92	0.002247917	
40	-1.26	-0.000724586	
50	-0.19	-0.000109568	
Max. Deviation (ppm)	5.43	0.003114455	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-1.07	-0.000613072	±2.5
3.80	2.08	0.001193139	
4.40	-0.71	-0.000407056	
Max. Deviation (ppm)	2.08	0.001193139	

Test Mode:	LTE Band 66_CH132322_5M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-2.74	-0.001570201	±2.5
-20	-6.32	-0.003621236	
-10	-6.78	-0.003884567	
0	1.29	0.000737625	
10	1.25	0.000715114	
20	1.19	0.000679274	
30	-1.11	-0.000634158	
40	0.71	0.000409714	
50	-4.67	-0.002678607	
Max. Deviation (ppm)	-6.78	-0.003884567	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-7.46	-0.004273930	±2.5
3.80	-5.73	-0.003285832	
4.40	-4.95	-0.002835727	
Max. Deviation (ppm)	-7.46	-0.004273930	

Test Mode:	LTE Band 66_CH132322_10M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-5.68	-0.003255014	±2.5
-20	-5.78	-0.003310924	
-10	-8.67	-0.004966872	
0	-9.87	-0.005655214	
10	-10.52	-0.006026714	
20	-10.42	-0.005971144	
30	-4.90	-0.002807500	
40	-7.49	-0.004295011	
50	-4.92	-0.002820396	
Max. Deviation (ppm)	-10.52	-0.006026714	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-7.83	-0.004488608	±2.5
3.80	-4.43	-0.002539003	
4.40	-0.93	-0.000530183	
Max. Deviation (ppm)	-7.83	-0.004488608	

Test Mode:	LTE Band 66_CH132322_15M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-3.85	-0.002206304	±2.5
-20	-4.05	-0.002319754	
-10	-3.72	-0.002131359	
0	-3.55	-0.002034405	
10	-0.55	-0.000315987	
20	-0.90	-0.000513587	
30	-0.54	-0.000311671	
40	0.29	0.000167159	
50	-3.78	-0.002164508	
Max. Deviation (ppm)	-4.05	-0.002319754	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-5.66	-0.003245884	±2.5
3.80	-3.95	-0.002264105	
4.40	-1.83	-0.001048464	
Max. Deviation (ppm)	-5.66	-0.003245884	

Test Mode:	LTE Band 66_CH132322_20M
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**Temperature vs. Frequency Stability**

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-30	-2.21	-0.001266476	±2.5
-20	-3.66	-0.002096518	
-10	1.95	0.001115563	
0	1.00	0.000571259	
10	-6.89	-0.003946185	
20	2.04	0.001167963	
30	-0.26	-0.000149338	
40	-0.02	-0.000013366	
50	-0.58	-0.000332403	
Max. Deviation (ppm)	-6.89	-0.003946185	

**Voltage vs. Frequency Stability**

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-3.76	-0.002155072	±2.5
3.80	-2.98	-0.001707007	
4.40	-0.18	-0.000101678	
Max. Deviation (ppm)	-3.76	-0.002155072	

End of Test Report