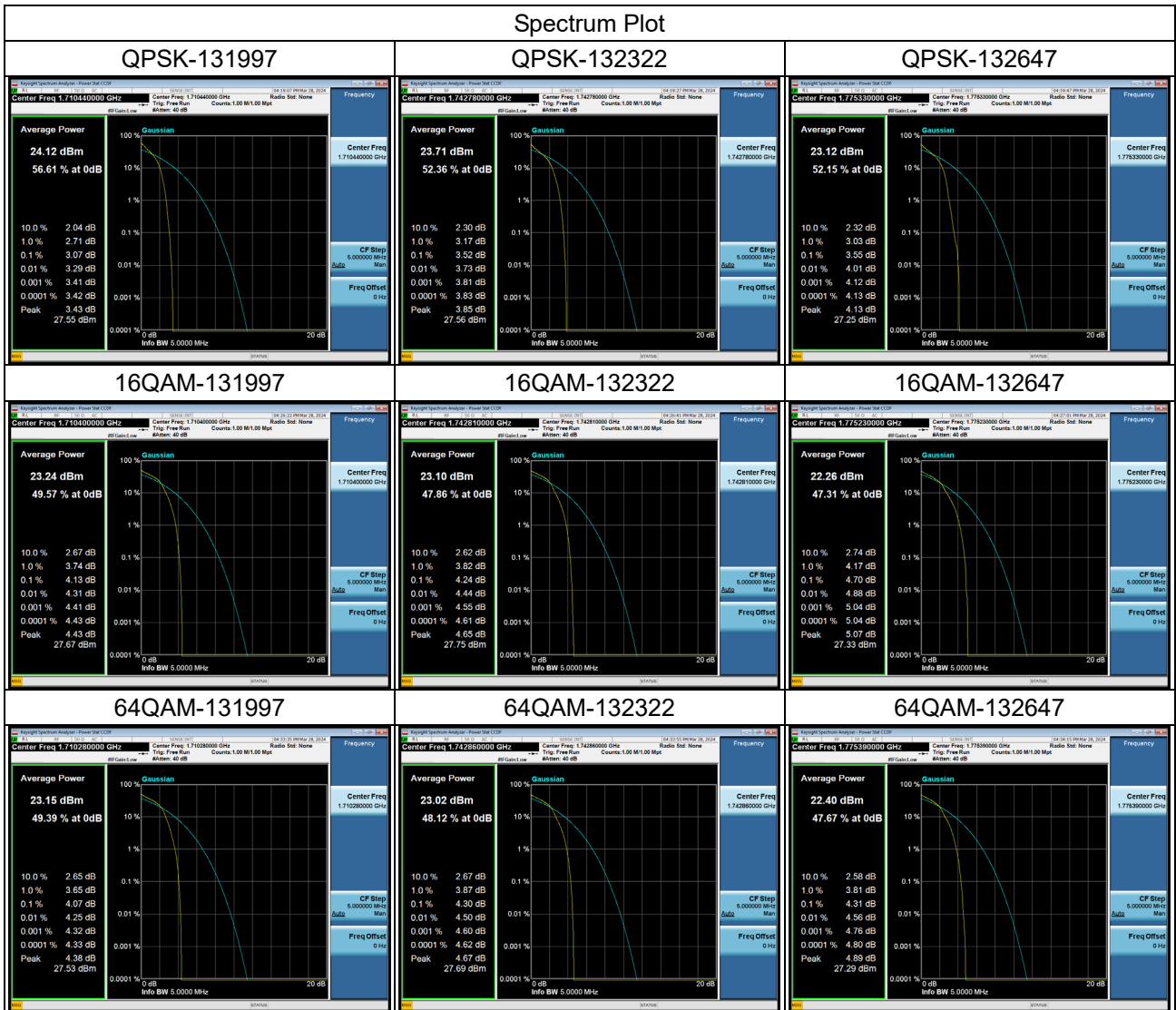
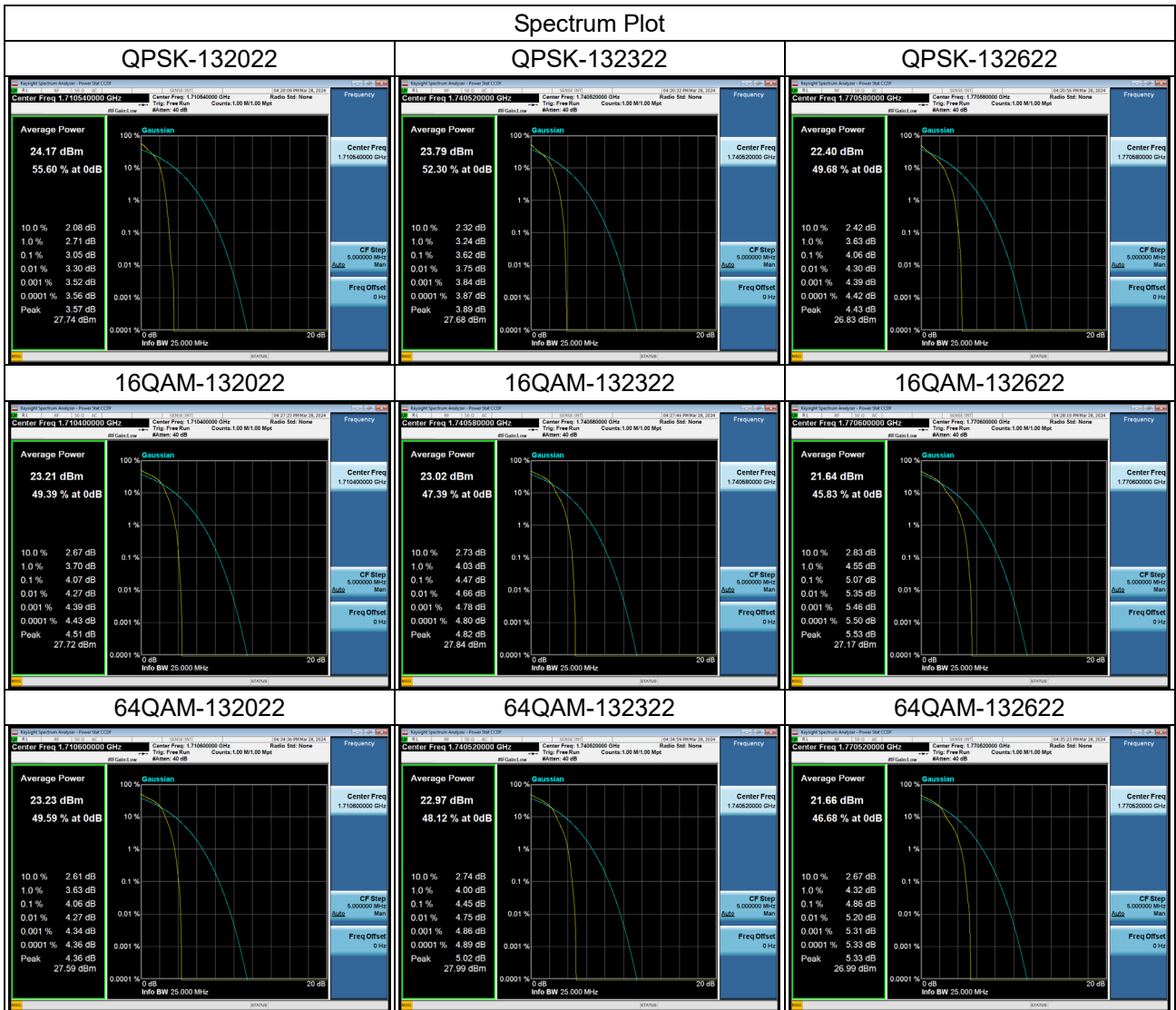


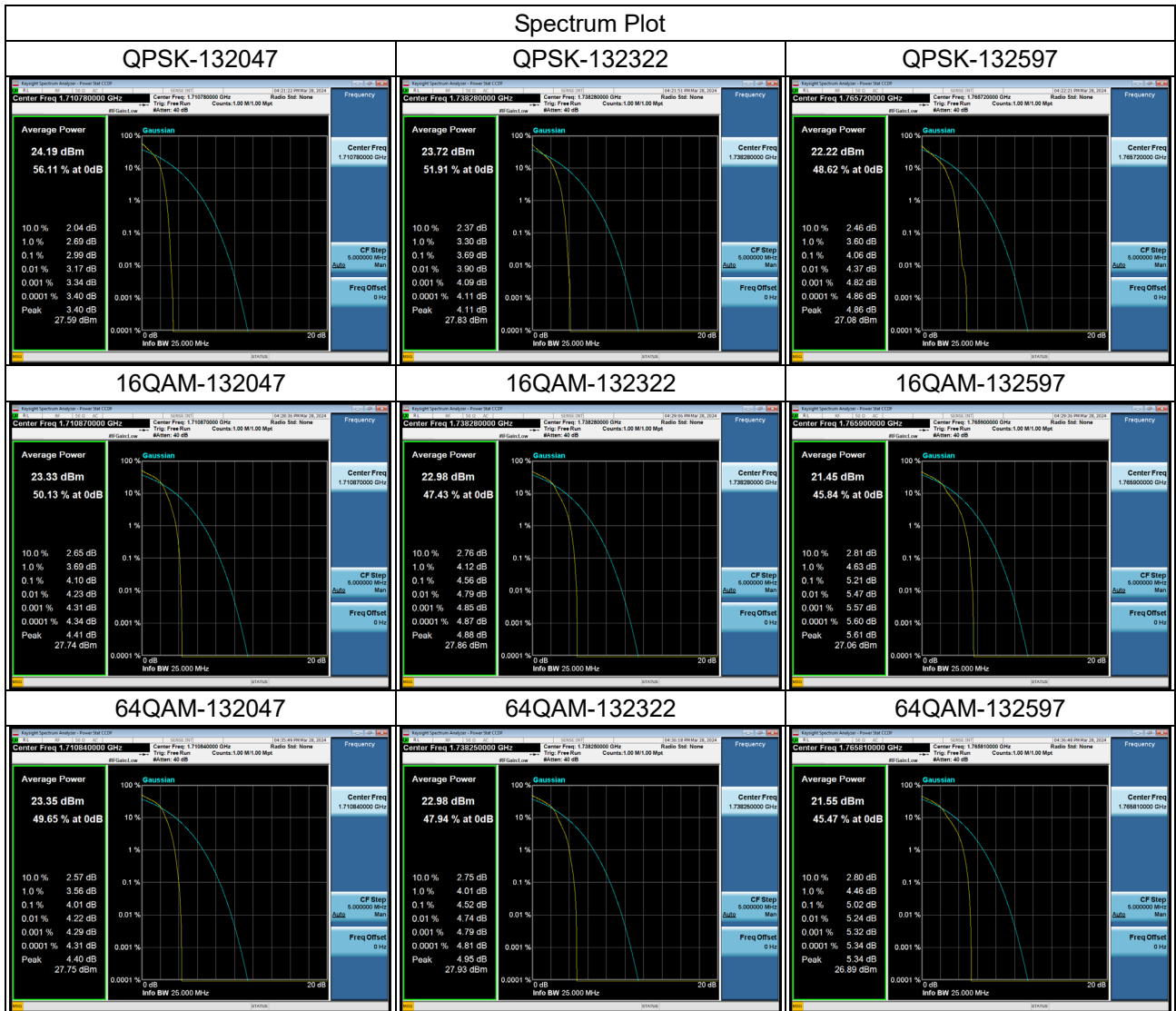
LTE Band 66_5MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)	Result
		QPSK	16QAM	64QAM		
131997	1712.5	3.07	4.13	4.07	13	Pass
132322	1745	3.52	4.24	4.30	13	Pass
132647	1777.5	3.55	4.70	4.31	13	Pass



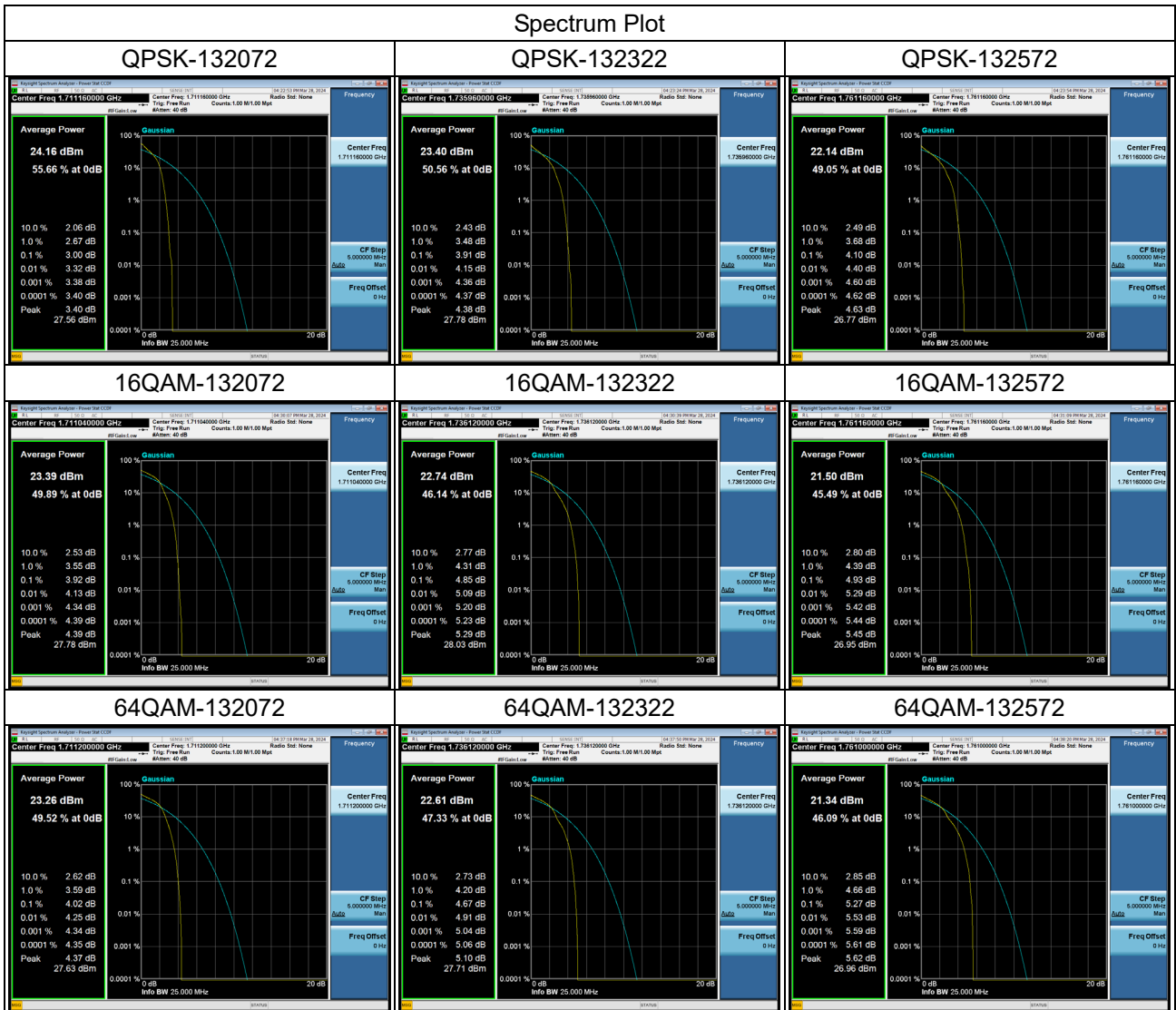
LTE Band 66_10MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)	Result
		QPSK	16QAM	64QAM		
132022	1715	3.05	4.07	4.06	13	Pass
132322	1745	3.62	4.47	4.45	13	Pass
132622	1775	4.06	5.07	4.86	13	Pass



LTE Band 66_15MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)	Result
		QPSK	16QAM	64QAM		
132047	1717.5	2.99	4.10	4.01	13	Pass
132322	1745	3.69	4.56	4.52	13	Pass
132597	1772.5	4.06	5.21	5.02	13	Pass



LTE Band 66_20MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Max. Limit (dB)	Result
		QPSK	16QAM	64QAM		
132072	1720	3.00	3.92	4.02	13	Pass
132322	1745	3.91	4.85	4.67	13	Pass
132572	1770	4.10	4.93	5.27	13	Pass



## **APPENDIX I - FREQUENCY STABILITY**

Test Mode	WCDMA Band IV
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Frequency error versus temperature and supply voltage								
Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f <sub>L</sub> (MHz)	f <sub>H</sub> (MHz)	Lowest channel limit:1710MHz	Highest channel limit:1755MHz		Record only
50	0.00001636	0.00001585	1710.620000	1754.530000	1710.619984	1754.530016	Pass	0.0096
40	0.00001823	0.00001668			1710.619982	1754.530017	Pass	0.0106
30	0.00001752	0.00001332			1710.619982	1754.530013	Pass	0.0102
20	0.00002122	0.00002152			1710.619979	1754.530022	Pass	0.0124
10	0.0000224	0.00002138			1710.619978	1754.530021	Pass	0.0131
0	0.00002041	0.00001852			1710.619980	1754.530019	Pass	0.0119
-10	0.00002232	0.00002112			1710.619978	1754.530021	Pass	0.0130
-20	0.00002245	0.0000188			1710.619978	1754.530019	Pass	0.0131
-30	0.00002155	0.00001782			1710.619978	1754.530018	Pass	0.0126
85% of nominal voltage	0.00002212	0.00002145			1710.619978	1754.530021	Pass	0.0129
115% of nominal voltage	0.00002151	0.00002045			1710.619978	1754.530020	Pass	0.0126
Nominal voltage	0.00002006	0.00002135			1710.619980	1754.530021	Pass	0.0122

Note: Nominal voltage= 3.6V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 4_20MHz
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Frequency error versus temperature and supply voltage								
Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f <sub>L</sub> (MHz)	f <sub>H</sub> (MHz)	Lowest channel limit:1710MHz	Highest channel limit:1755MHz		Record only
50	-0.00002691	-0.00002591	1710.160000	1754.650000	1710.160027	1754.649974	Pass	-0.0156
40	-0.0000226	-0.00003956			1710.160023	1754.649960	Pass	-0.0227
30	-0.00002768	-0.00003704			1710.160028	1754.649963	Pass	-0.0212
20	-0.00003764	-0.00003649			1710.160038	1754.649964	Pass	-0.0219
10	-0.00002658	-0.00003712			1710.160027	1754.649963	Pass	-0.0213
0	-0.00003611	-0.00004554			1710.160036	1754.649954	Pass	-0.0261
-10	-0.00002489	-0.00002732			1710.160025	1754.649973	Pass	-0.0157
-20	-0.0000378	-0.00002924			1710.160038	1754.649971	Pass	-0.0220
-30	-0.00003058	-0.00003652			1710.160031	1754.649963	Pass	-0.0209
85% of nominal voltage	-0.00003093	-0.00004718			1710.160031	1754.649953	Pass	-0.0270
115% of nominal voltage	-0.00003672	-0.00004678			1710.160037	1754.649953	Pass	-0.0268
Nominal voltage	-0.00002734	-0.00002585			1710.160027	1754.649974	Pass	-0.0159

Note: Nominal voltage= 3.6V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

Test Mode	LTE Band 7_20MHz
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Frequency error versus temperature and supply voltage								
Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-10dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f <sub>L</sub> (MHz)	f <sub>H</sub> (MHz)	Lowest channel limit:2500MHz	Highest channel limit:2570MHz		Record only
50	-0.0000293	-0.00003706	2500.43	2569.56	2500.430029	2569.559963	Pass	-0.0145
40	-0.00003712	-0.00004542			2500.430037	2569.559955	Pass	-0.0177
30	-0.00003256	-0.00003964			2500.430033	2569.559960	Pass	-0.0155
20	-0.00005213	-0.00003367			2500.430052	2569.559966	Pass	-0.0208
10	-0.00003641	-0.00004011			2500.430036	2569.559960	Pass	-0.0157
0	-0.00003323	-0.00004207			2500.430033	2569.559958	Pass	-0.0164
-10	-0.00004523	-0.00004646			2500.430045	2569.559954	Pass	-0.0181
-20	-0.00004135	-0.00004217			2500.430041	2569.559958	Pass	-0.0165
-30	-0.00004252	-0.00005346			2500.430043	2569.559947	Pass	-0.0209
85% of nominal voltage	-0.00002263	-0.00002325			2500.430023	2569.559977	Pass	-0.0091
115% of nominal voltage	-0.00004374	-0.00004482			2500.430044	2569.559955	Pass	-0.0175
Nominal voltage	-0.00006052	-0.00006196			2500.430061	2569.559938	Pass	-0.0242

Note: Nominal voltage= 3.6V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.



Test Mode	LTE Band 66_20MHz
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Frequency error versus temperature and supply voltage								
Temperature (°C)	Lowest channel Frequency error(MHz)	Highest channel Frequency error(MHz)	Reference point:-13dBm		Frequency calculation value (MHz) Limit:The resulting frequencies must remain within the band		Verdict	worst ppm
			f <sub>L</sub> (MHz)	f <sub>H</sub> (MHz)	Lowest channel limit:1710MHz	Highest channel limit:1780MHz		Record only
50	-0.00002977	-0.00003191	1710.200000	1779.800000	1710.200030	1779.799968	Pass	-0.0180
40	-0.00003937	-0.00003787			1710.200039	1779.799962	Pass	-0.0229
30	-0.00003194	-0.0000343			1710.200032	1779.799966	Pass	-0.0194
20	-0.00003716	-0.00003605			1710.200037	1779.799964	Pass	-0.0216
10	-0.00001715	-0.00003445			1710.200017	1779.799966	Pass	-0.0195
0	-0.00002862	-0.0000348			1710.200029	1779.799965	Pass	-0.0197
-10	-0.00001976	-0.00003465			1710.200020	1779.799965	Pass	-0.0196
-20	-0.00003503	-0.00004166			1710.200035	1779.799958	Pass	-0.0235
-30	-0.00002564	-0.00002483			1710.200026	1779.799975	Pass	-0.0149
85% of nominal voltage	-0.00003134	-0.00003422			1710.200031	1779.799966	Pass	-0.0193
115% of nominal voltage	-0.00003353	-0.00002954			1710.200034	1779.799970	Pass	-0.0195
Nominal voltage	-0.00003379	-0.00002821			1710.200034	1779.799972	Pass	-0.0196

Note: Nominal voltage= 3.6V, Maximum voltage= 4.2V, Minimum voltage= 3.5V.

End of Test Report