

Frequency Stability

Note: The transmitter shall maintained within $\pm 2.5\text{ppm}$ of the center frequency.

Original:

GSM850	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	Temperature	Voltage	GMSK	GMSK	
	Extreme (55°C)	NV	8.85	0.01058	PASS
	Extreme (50°C)		13.24	0.01583	PASS
	Extreme (40°C)		4.99	0.00596	PASS
	Extreme (30°C)		1.85	0.00221	PASS
	Extreme (20°C)		4.24	0.00507	PASS
	Extreme (10°C)		9.14	0.01092	PASS
	Extreme (0°C)		3.18	0.00380	PASS
	Extreme (-10°C)		2.12	0.00253	PASS
	25°C	LV	6.87	0.00821	PASS
		HV	5.60	0.00670	PASS

GSM1900 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1850.2	BANDWIDTH	0.2MHz				
	Temperature	Voltage	GMSK			
	Extreme (55℃)	NV	1850.076	1850.324	1850-1910	PASS
	Extreme (50℃)		1850.080	1850.320	1850-1910	PASS
	Extreme (40℃)		1850.071	1850.329	1850-1910	PASS
	Extreme (30℃)		1850.071	1850.329	1850-1910	PASS
	Extreme (20℃)		1850.069	1850.331	1850-1910	PASS
	Extreme (10℃)		1850.063	1850.337	1850-1910	PASS
	Extreme (0℃)		1850.066	1850.334	1850-1910	PASS
	Extreme (-10℃)		1850.072	1850.328	1850-1910	PASS
	25℃	LV	1850.067	1850.333	1850-1910	PASS
		HV	1850.078	1850.322	1850-1910	PASS
GSM1900 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1909.8	BANDWIDTH	0.2MHz				
	Temperature	Voltage	GMSK			
	Extreme (55℃)	NV	1909.671	1909.929	1850-1910	PASS
	Extreme (50℃)		1909.664	1909.936	1850-1910	PASS
	Extreme (40℃)		1909.667	1909.933	1850-1910	PASS
	Extreme (30℃)		1909.668	1909.932	1850-1910	PASS
	Extreme (20℃)		1909.663	1909.937	1850-1910	PASS

	Extreme (10°C)		1909.680	1909.920	1850-1910	PASS
	Extreme (0°C)		1909.676	1909.924	1850-1910	PASS
	Extreme (-10°C)		1909.671	1909.929	1850-1910	PASS
	25°C	LV	1909.677	1909.923	1850-1910	PASS
		HV	1909.670	1909.930	1850-1910	PASS

WCDMA B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1852.4	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1850.319	1854.481	1850-1910	PASS
	Extreme (55°C)		1850.325	1854.475	1850-1910	PASS
	Extreme (40°C)		1850.323	1854.477	1850-1910	PASS
	Extreme (30°C)		1850.315	1854.485	1850-1910	PASS
	Extreme (20°C)		1850.321	1854.479	1850-1910	PASS
	Extreme (10°C)		1850.321	1854.479	1850-1910	PASS
	Extreme (0°C)		1850.316	1854.484	1850-1910	PASS
	Extreme (-10°C)		1850.322	1854.478	1850-1910	PASS
	25°C	LV	1850.321	1854.479	1850-1910	PASS
		HV	1850.321	1854.479	1850-1910	PASS
WCDMA B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1907.6	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1905.530	1909.670	1850-1910	PASS
	Extreme (55°C)		1905.526	1909.674	1850-1910	PASS
	Extreme (40°C)		1905.527	1909.673	1850-1910	PASS
	Extreme (30°C)		1905.516	1909.684	1850-1910	PASS
	Extreme (20°C)		1905.526	1909.674	1850-1910	PASS
	Extreme (10°C)		1905.529	1909.671	1850-1910	PASS
	Extreme (0°C)		1905.521	1909.679	1850-1910	PASS
	Extreme (-10°C)		1905.525	1909.675	1850-1910	PASS
	25°C	LV	1905.518	1909.682	1850-1910	PASS
		HV	1905.517	1909.683	1850-1910	PASS

WCDMA B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
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1712.4	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1710.316	1714.484	1710-1755	PASS
	Extreme (55°C)		1710.323	1714.477	1710-1755	PASS
	Extreme (40°C)		1710.316	1714.484	1710-1755	PASS
	Extreme (30°C)		1710.318	1714.482	1710-1755	PASS
	Extreme (20°C)		1710.321	1714.479	1710-1755	PASS
	Extreme (10°C)		1710.325	1714.475	1710-1755	PASS
	Extreme (0°C)		1710.316	1714.484	1710-1755	PASS
	Extreme (-10°C)		1710.320	1714.480	1710-1755	PASS
	25°C	LV	1710.325	1714.475	1710-1755	PASS
		HV	1710.316	1714.484	1710-1755	PASS
WCDMA B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1752.6	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1750.521	1754.679	1710-1755	PASS
	Extreme (55°C)		1750.523	1754.677	1710-1755	PASS
	Extreme (40°C)		1750.516	1754.684	1710-1755	PASS
	Extreme (30°C)		1750.523	1754.677	1710-1755	PASS
	Extreme (20°C)		1750.529	1754.671	1710-1755	PASS
	Extreme (10°C)		1750.523	1754.677	1710-1755	PASS
	Extreme (0°C)		1750.525	1754.675	1710-1755	PASS
	Extreme (-10°C)		1750.519	1754.681	1710-1755	PASS
	25°C	LV	1750.522	1754.678	1710-1755	PASS
		HV	1750.525	1754.675	1710-1755	PASS

WCDMA B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	Temperature	Voltage	QPSK	QPSK	
	Extreme (55°C)	NV	7.88	0.00942	PASS
	Extreme (50°C)		17.69	0.02115	PASS
	Extreme (40°C)		6.44	0.00770	PASS
	Extreme (30°C)		5.83	0.00697	PASS
	Extreme (20°C)		14.90	0.01781	PASS
	Extreme (10°C)		16.38	0.01958	PASS
	Extreme (0°C)		13.21	0.01580	PASS
	Extreme (-10°C)		1.33	0.00159	PASS
	25°C	LV	7.45	0.00891	PASS
		HV			

		HV	2.01	0.00240	PASS
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LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1850.7	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1850.147	1851.253	1850-1910	PASS
	Extreme (50℃)		1850.148	1851.252	1850-1910	PASS
	Extreme (40℃)		1850.147	1851.253	1850-1910	PASS
	Extreme (30℃)		1850.145	1851.255	1850-1910	PASS
	Extreme (20℃)		1850.149	1851.251	1850-1910	PASS
	Extreme (10℃)		1850.148	1851.252	1850-1910	PASS
	Extreme (0℃)		1850.147	1851.253	1850-1910	PASS
	Extreme (-10℃)		1850.150	1851.250	1850-1910	PASS
	25℃	LV	1850.148	1851.252	1850-1910	PASS
		HV	1850.146	1851.254	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1851.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1850.147	1852.853	1850-1910	PASS
	Extreme (50℃)		1850.148	1852.852	1850-1810	PASS
	Extreme (40℃)		1850.146	1852.854	1850-1910	PASS
	Extreme (30℃)		1850.147	1852.853	1850-1910	PASS
	Extreme (20℃)		1850.149	1852.851	1850-1910	PASS
	Extreme (10℃)		1850.147	1852.853	1850-1910	PASS
	Extreme (0℃)		1850.147	1852.853	1850-1910	PASS
	Extreme (-10℃)		1850.150	1852.850	1850-1910	PASS
	25℃	LV	1850.146	1852.854	1850-1910	PASS
		HV	1850.147	1852.853	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1852.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1850.270	1854.730	1850-1910	PASS
	Extreme (50℃)		1850.226	1854.774	1850-1910	PASS

	Extreme (40°C)		1850.258	1854.742	1850-1910	PASS
	Extreme (30°C)		1850.294	1854.706	1850-1910	PASS
	Extreme (20°C)		1850.223	1854.777	1850-1910	PASS
	Extreme (10°C)		1850.229	1854.771	1850-1910	PASS
	Extreme (0°C)		1850.216	1854.784	1850-1910	PASS
	Extreme (-10°C)		1850.236	1854.764	1850-1910	PASS
	25°C	LV	1850.218	1854.782	1850-1910	PASS
		HV	1850.232	1854.768	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1855	BANDWIDTH	10MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1850.626	1859.374	1850-1910	PASS
	Extreme (50°C)		1850.569	1859.431	1850-1910	PASS
	Extreme (40°C)		1850.608	1859.392	1850-1910	PASS
	Extreme (30°C)		1850.518	1859.482	1850-1910	PASS
	Extreme (20°C)		1850.551	1859.449	1850-1910	PASS
	Extreme (10°C)		1850.538	1859.462	1850-1910	PASS
	Extreme (0°C)		1850.550	1859.450	1850-1910	PASS
	Extreme (-10°C)		1850.564	1859.436	1850-1910	PASS
	25°C	LV	1850.514	1859.486	1850-1910	PASS
		HV	1850.600	1859.400	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1857.5	BANDWIDTH	15MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1850.786	1864.214	1850-1910	PASS
	Extreme (50°C)		1850.735	1864.265	1850-1910	PASS
	Extreme (40°C)		1850.709	1864.291	1850-1910	PASS
	Extreme (30°C)		1850.742	1864.258	1850-1910	PASS
	Extreme (20°C)		1850.720	1864.280	1850-1910	PASS
	Extreme (10°C)		1850.792	1864.208	1850-1910	PASS
	Extreme (0°C)		1850.711	1864.289	1850-1910	PASS
	Extreme (-10°C)		1850.730	1864.270	1850-1910	PASS
	25°C	LV	1850.712	1864.288	1850-1910	PASS
		HV	1850.782	1864.218	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

1860	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1851.020	1868.980	1850-1910	PASS
	Extreme (50℃)		1851.043	1868.957	1850-1910	PASS
	Extreme (40℃)		1851.037	1868.963	1850-1910	PASS
	Extreme (30℃)		1851.024	1868.976	1850-1910	PASS
	Extreme (20℃)		1851.016	1868.984	1850-1910	PASS
	Extreme (10℃)		1851.027	1868.973	1850-1910	PASS
	Extreme (0℃)		1851.048	1868.952	1850-1910	PASS
	Extreme (-10℃)		1851.022	1868.978	1850-1910	PASS
	25℃	LV	1851.024	1868.976	1850-1910	PASS
		HV	1851.013	1868.987	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1909.3	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1908.748	1909.852	1850-1910	PASS
	Extreme (50℃)		1908.747	1909.853	1850-1910	PASS
	Extreme (40℃)		1908.747	1909.853	1850-1910	PASS
	Extreme (30℃)		1908.749	1909.851	1850-1910	PASS
	Extreme (20℃)		1908.749	1909.851	1850-1910	PASS
	Extreme (10℃)		1908.748	1909.852	1850-1910	PASS
	Extreme (0℃)		1908.749	1909.851	1850-1910	PASS
	Extreme (-10℃)		1908.748	1909.852	1850-1910	PASS
	25℃	LV	1908.749	1909.851	1850-1910	PASS
		HV	1908.746	1909.854	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1908.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1907.149	1909.851	1850-1910	PASS
	Extreme (50℃)		1907.146	1909.854	1850-1810	PASS
	Extreme (40℃)		1907.147	1909.853	1850-1910	PASS
	Extreme (30℃)		1907.149	1909.851	1850-1910	PASS
	Extreme (20℃)		1907.146	1909.854	1850-1910	PASS
	Extreme (10℃)		1907.146	1909.854	1850-1910	PASS
	Extreme (0℃)		1907.148	1909.852	1850-1910	PASS
	Extreme (-10℃)		1907.145	1909.855	1850-1910	PASS
	25℃	LV	1907.149	1909.851	1850-1910	PASS

		HV	1907.146	1909.854	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1907.5	BANDWIDTH	5MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (55°C)	NV	1905.281	1909.719	1850-1910	PASS
	Extreme (50°C)		1905.212	1909.788	1850-1910	PASS
	Extreme (40°C)		1905.275	1909.725	1850-1910	PASS
	Extreme (30°C)		1905.249	1909.751	1850-1910	PASS
	Extreme (20°C)		1905.205	1909.795	1850-1910	PASS
	Extreme (10°C)		1905.225	1909.775	1850-1910	PASS
	Extreme (0°C)		1905.296	1909.704	1850-1910	PASS
	Extreme (-10°C)		1905.221	1909.779	1850-1910	PASS
	25°C	LV	1905.237	1909.763	1850-1910	PASS
		HV	1905.279	1909.721	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1905	BANDWIDTH	10MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (55°C)	NV	1900.508	1909.492	1850-1910	PASS
	Extreme (50°C)		1900.585	1909.415	1850-1910	PASS
	Extreme (40°C)		1900.590	1909.410	1850-1910	PASS
	Extreme (30°C)		1900.630	1909.370	1850-1910	PASS
	Extreme (20°C)		1900.608	1909.392	1850-1910	PASS
	Extreme (10°C)		1900.510	1909.490	1850-1910	PASS
	Extreme (0°C)		1900.554	1909.446	1850-1910	PASS
	Extreme (-10°C)		1900.629	1909.371	1850-1910	PASS
	25°C	LV	1900.574	1909.426	1850-1910	PASS
		HV	1900.526	1909.474	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1902.5	BANDWIDTH	15MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (55°C)	NV	1895.765	1909.235	1850-1910	PASS
	Extreme (50°C)		1895.786	1909.214	1850-1910	PASS
	Extreme (40°C)		1895.721	1909.279	1850-1910	PASS
	Extreme (30°C)		1895.725	1909.275	1850-1910	PASS
	Extreme (20°C)		1895.775	1909.225	1850-1910	PASS

	Extreme (10℃)		1895.740	1909.260	1850-1910	PASS
	Extreme (0℃)		1895.725	1909.275	1850-1910	PASS
	Extreme (-10℃)		1895.796	1909.204	1850-1910	PASS
	25℃	LV	1895.775	1909.225	1850-1910	PASS
		HV	1895.783	1909.217	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1900	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1890.941	1909.059	1850-1910	PASS
	Extreme (50℃)		1890.905	1909.095	1850-1910	PASS
	Extreme (40℃)		1890.969	1909.031	1850-1910	PASS
	Extreme (30℃)		1890.991	1909.009	1850-1910	PASS
	Extreme (20℃)		1890.986	1909.014	1850-1910	PASS
	Extreme (10℃)		1890.913	1909.087	1850-1910	PASS
	Extreme (0℃)		1890.937	1909.063	1850-1910	PASS
	Extreme (-10℃)		1890.998	1909.002	1850-1910	PASS
	25℃	LV	1890.994	1909.006	1850-1910	PASS
		HV	1890.997	1909.003	1850-1910	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1710.7	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1710.146	1711.254	1710-1755	PASS
	Extreme (50℃)		1710.149	1711.251	1710-1755	PASS
	Extreme (40℃)		1710.149	1711.251	1710-1755	PASS
	Extreme (30℃)		1710.148	1711.252	1710-1755	PASS
	Extreme (20℃)		1710.147	1711.253	1710-1755	PASS
	Extreme (10℃)		1710.146	1711.254	1710-1755	PASS
	Extreme (0℃)		1710.146	1711.254	1710-1755	PASS
	Extreme (-10℃)		1710.150	1711.250	1710-1755	PASS
	25℃	LV	1710.146	1711.254	1710-1755	PASS
		HV	1710.147	1711.253	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1711.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1710.149	1712.851	1710-1755	PASS

	Extreme (50°C)		1710.149	1712.851	1710-1755	PASS
	Extreme (40°C)		1710.149	1712.851	1710-1755	PASS
	Extreme (30°C)		1710.146	1712.854	1710-1755	PASS
	Extreme (20°C)		1710.147	1712.853	1710-1755	PASS
	Extreme (10°C)		1710.147	1712.853	1710-1755	PASS
	Extreme (0°C)		1710.149	1712.851	1710-1755	PASS
	Extreme (-10°C)		1710.145	1712.855	1710-1755	PASS
	25°C	LV	1710.147	1712.853	1710-1755	PASS
		HV	1710.148	1712.852	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1712.5	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1710.282	1714.718	1710-1755	PASS
	Extreme (50°C)		1710.253	1714.747	1710-1755	PASS
	Extreme (40°C)		1710.231	1714.769	1710-1755	PASS
	Extreme (30°C)		1710.267	1714.733	1710-1755	PASS
	Extreme (20°C)		1710.251	1714.749	1710-1755	PASS
	Extreme (10°C)		1710.258	1714.742	1710-1755	PASS
	Extreme (0°C)		1710.244	1714.756	1710-1755	PASS
	Extreme (-10°C)		1710.269	1714.731	1710-1755	PASS
	25°C	LV	1710.245	1714.755	1710-1755	PASS
		HV	1710.232	1714.768	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1715	BANDWIDTH	10MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1710.518	1719.482	1710-1755	PASS
	Extreme (50°C)		1710.622	1719.378	1710-1755	PASS
	Extreme (40°C)		1710.555	1719.445	1710-1755	PASS
	Extreme (30°C)		1710.616	1719.384	1710-1755	PASS
	Extreme (20°C)		1710.648	1719.352	1710-1755	PASS
	Extreme (10°C)		1710.550	1719.450	1710-1755	PASS
	Extreme (0°C)		1710.509	1719.491	1710-1755	PASS
	Extreme (-10°C)		1710.610	1719.390	1710-1755	PASS
	25°C	LV	1710.595	1719.405	1710-1755	PASS
		HV	1710.638	1719.362	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

1717.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1710.703	1724.297	1710-1755	PASS
	Extreme (50℃)		1710.760	1724.240	1710-1755	PASS
	Extreme (40℃)		1710.769	1724.231	1710-1755	PASS
	Extreme (30℃)		1710.747	1724.253	1710-1755	PASS
	Extreme (20℃)		1710.709	1724.291	1710-1755	PASS
	Extreme (10℃)		1710.758	1724.242	1710-1755	PASS
	Extreme (0℃)		1710.796	1724.204	1710-1755	PASS
	Extreme (-10℃)		1710.753	1724.247	1710-1755	PASS
	25℃	LV	1710.771	1724.229	1710-1755	PASS
		HV	1710.723	1724.277	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1720	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1711.015	1728.985	1710-1755	PASS
	Extreme (50℃)		1711.018	1728.982	1710-1755	PASS
	Extreme (40℃)		1711.007	1728.993	1710-1755	PASS
	Extreme (30℃)		1711.036	1728.964	1710-1755	PASS
	Extreme (20℃)		1711.000	1729.000	1710-1755	PASS
	Extreme (10℃)		1711.036	1728.964	1710-1755	PASS
	Extreme (0℃)		1711.013	1728.987	1710-1755	PASS
	Extreme (-10℃)		1711.020	1728.980	1710-1755	PASS
	25℃	LV	1711.011	1728.989	1710-1755	PASS
		HV	1711.042	1728.958	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1754.3	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1753.749	1754.851	1710-1755	PASS
	Extreme (50℃)		1753.748	1754.852	1710-1755	PASS
	Extreme (40℃)		1753.750	1754.850	1710-1755	PASS
	Extreme (30℃)		1753.748	1754.852	1710-1755	PASS
	Extreme (20℃)		1753.749	1754.851	1710-1755	PASS
	Extreme (10℃)		1753.746	1754.854	1710-1755	PASS
	Extreme (0℃)		1753.750	1754.850	1710-1755	PASS
	Extreme (-10℃)		1753.750	1754.850	1710-1755	PASS
	25℃	LV	1753.748	1754.852	1710-1755	PASS

		HV	1753.747	1754.853	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1753.5	BANDWIDTH	3MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (55°C)	NV	1752.145	1754.855	1710-1755	PASS
	Extreme (50°C)		1752.150	1754.850	1710-1755	PASS
	Extreme (40°C)		1752.147	1754.853	1710-1755	PASS
	Extreme (30°C)		1752.145	1754.855	1710-1755	PASS
	Extreme (20°C)		1752.145	1754.855	1710-1755	PASS
	Extreme (10°C)		1752.147	1754.853	1710-1755	PASS
	Extreme (0°C)		1752.148	1754.852	1710-1755	PASS
	Extreme (-10°C)		1752.145	1754.855	1710-1755	PASS
	25°C	LV	1752.148	1754.852	1710-1755	PASS
		HV	1752.145	1754.855	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1752.5	BANDWIDTH	5MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (55°C)	NV	1750.280	1754.720	1710-1755	PASS
	Extreme (50°C)		1750.283	1754.717	1710-1755	PASS
	Extreme (40°C)		1750.247	1754.753	1710-1755	PASS
	Extreme (30°C)		1750.280	1754.720	1710-1755	PASS
	Extreme (20°C)		1750.252	1754.748	1710-1755	PASS
	Extreme (10°C)		1750.208	1754.792	1710-1755	PASS
	Extreme (0°C)		1750.204	1754.796	1710-1755	PASS
	Extreme (-10°C)		1750.254	1754.746	1710-1755	PASS
	25°C	LV	1750.222	1754.778	1710-1755	PASS
		HV	1750.269	1754.731	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1750	BANDWIDTH	10MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (55°C)	NV	1745.566	1754.434	1710-1755	PASS
	Extreme (50°C)		1745.507	1754.493	1710-1755	PASS
	Extreme (40°C)		1745.513	1754.487	1710-1755	PASS
	Extreme (30°C)		1745.596	1754.404	1710-1755	PASS
	Extreme (20°C)		1745.508	1754.492	1710-1755	PASS

	Extreme (10℃)		1745.578	1754.422	1710-1755	PASS
	Extreme (0℃)		1745.511	1754.489	1710-1755	PASS
	Extreme (-10℃)		1745.613	1754.387	1710-1755	PASS
	25℃	LV	1745.604	1754.396	1710-1755	PASS
		HV	1745.568	1754.432	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1747.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1740.713	1754.287	1710-1755	PASS
	Extreme (50℃)		1740.745	1754.255	1710-1755	PASS
	Extreme (40℃)		1740.710	1754.290	1710-1755	PASS
	Extreme (30℃)		1740.742	1754.258	1710-1755	PASS
	Extreme (20℃)		1740.736	1754.264	1710-1755	PASS
	Extreme (10℃)		1740.772	1754.228	1710-1755	PASS
	Extreme (0℃)		1740.726	1754.274	1710-1755	PASS
	Extreme (-10℃)		1740.737	1754.263	1710-1755	PASS
	25℃	LV	1740.715	1754.285	1710-1755	PASS
		HV	1740.795	1754.205	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1745	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1735.991	1754.009	1710-1755	PASS
	Extreme (50℃)		1735.966	1754.034	1710-1755	PASS
	Extreme (40℃)		1735.950	1754.050	1710-1755	PASS
	Extreme (30℃)		1735.979	1754.021	1710-1755	PASS
	Extreme (20℃)		1735.950	1754.050	1710-1755	PASS
	Extreme (10℃)		1735.921	1754.079	1710-1755	PASS
	Extreme (0℃)		1735.971	1754.029	1710-1755	PASS
	Extreme (-10℃)		1735.914	1754.086	1710-1755	PASS
	25℃	LV	1735.994	1754.006	1710-1755	PASS
		HV	1735.933	1754.067	1710-1755	PASS

BAND5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	1.4MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (55°C)	NV	16.86	0.02015	PASS

	Extreme (50°C)		2.67	0.00320	PASS
	Extreme (40°C)		11.23	0.01343	PASS
	Extreme (30°C)		17.65	0.02110	PASS
	Extreme (20°C)		1.31	0.00157	PASS
	Extreme (10°C)		2.43	0.00291	PASS
	Extreme (0°C)		7.29	0.00871	PASS
	Extreme (-10°C)		17.84	0.02132	PASS
	25°C	LV	4.33	0.00517	PASS
		HV	10.43	0.01246	PASS
BAND5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	3MHz			
	Temperature	Voltage			
	Extreme (55°C)	NV	15.52	0.01856	PASS
	Extreme (50°C)		9.61	0.01149	PASS
	Extreme (40°C)		13.28	0.01587	PASS
	Extreme (30°C)		4.91	0.00587	PASS
	Extreme (20°C)		10.91	0.01305	PASS
	Extreme (10°C)		3.84	0.00459	PASS
	Extreme (0°C)		11.40	0.01363	PASS
	Extreme (-10°C)		3.79	0.00453	PASS
	25°C	LV	9.35	0.01118	PASS
		HV	7.25	0.00867	PASS
BAND5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz			
	Temperature	Voltage			
	Extreme (55°C)	NV	10.21	0.01220	PASS
	Extreme (50°C)		4.71	0.00563	PASS
	Extreme (40°C)		10.72	0.01281	PASS
	Extreme (30°C)		13.90	0.01662	PASS
	Extreme (20°C)		10.87	0.01299	PASS
	Extreme (10°C)		4.18	0.00500	PASS
	Extreme (0°C)		3.94	0.00471	PASS
	Extreme (-10°C)		17.84	0.02133	PASS
	25°C	LV	14.76	0.01765	PASS
		HV	7.66	0.00916	PASS
BAND5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz			
	Temperature	Voltage			

	Extreme (55°C)	NV	9.06	0.01082	PASS
	Extreme (50°C)		15.68	0.01875	PASS
	Extreme (40°C)		12.91	0.01544	PASS
	Extreme (30°C)		4.33	0.00518	PASS
	Extreme (20°C)		13.47	0.01610	PASS
	Extreme (10°C)		3.39	0.00406	PASS
	Extreme (0°C)		5.50	0.00657	PASS
	Extreme (-10°C)		13.17	0.01575	PASS
	25°C	LV	9.43	0.01127	PASS
		HV	13.72	0.01640	PASS

LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2502.5	BANDWIDTH	5MHz	QPSK	QPSK	2500-2570	PASS
	Temperature	Voltage				
	Extreme (55°C)	NV	2500.265	2504.735	2500-2570	PASS
	Extreme (50°C)		2500.793	2504.207	2500-2570	PASS
	Extreme (40°C)		2500.231	2504.769	2500-2570	PASS
	Extreme (30°C)		2500.291	2504.709	2500-2570	PASS
	Extreme (20°C)		2500.268	2504.732	2500-2570	PASS
	Extreme (10°C)		2500.287	2504.713	2500-2570	PASS
	Extreme (0°C)		2500.224	2504.776	2500-2570	PASS
	Extreme (-10°C)		2500.290	2504.710	2500-2570	PASS
	25°C	LV	2500.209	2504.791	2500-2570	PASS
		HV	2500.225	2504.775	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2505	BANDWIDTH	10MHz	QPSK	QPSK	2500-2570	PASS
	Temperature	Voltage				
	Extreme (55°C)	NV	2500.518	2509.482	2500-2570	PASS
	Extreme (50°C)		2500.571	2509.429	2500-2570	PASS
	Extreme (40°C)		2500.643	2509.357	2500-2570	PASS
	Extreme (30°C)		2500.549	2509.451	2500-2570	PASS
	Extreme (20°C)		2500.521	2509.479	2500-2570	PASS
	Extreme (10°C)		2500.604	2509.396	2500-2570	PASS
	Extreme (0°C)		2500.583	2509.417	2500-2570	PASS
	Extreme (-10°C)		2500.630	2509.370	2500-2570	PASS
	25°C	LV	2500.556	2509.444	2500-2570	PASS
		HV	2500.505	2509.495	2500-2570	PASS
LTE B7	Condition		F Low	F High	Limit (MHz)	Verdict

Fc(MHz)			(MHz)	(MHz)		
2507.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2500.790	2514.210	2500-2570	PASS
	Extreme (50°C)		2500.709	2514.291	2500-2570	PASS
	Extreme (40°C)		2500.797	2514.203	2500-2570	PASS
	Extreme (30°C)		2500.795	2514.205	2500-2570	PASS
	Extreme (20°C)		2500.792	2514.208	2500-2570	PASS
	Extreme (10°C)		2500.792	2514.208	2500-2570	PASS
	Extreme (0°C)		2500.730	2514.270	2500-2570	PASS
	Extreme (-10°C)		2500.765	2514.235	2500-2570	PASS
	25°C	LV	2500.743	2514.257	2500-2570	PASS
		HV	2500.785	2514.215	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2510	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2501.030	2518.970	2500-2570	PASS
	Extreme (50°C)		2501.023	2518.977	2500-2570	PASS
	Extreme (40°C)		2501.046	2518.954	2500-2570	PASS
	Extreme (30°C)		2501.044	2518.956	2500-2570	PASS
	Extreme (20°C)		2501.026	2518.974	2500-2570	PASS
	Extreme (10°C)		2501.004	2518.996	2500-2570	PASS
	Extreme (0°C)		2501.018	2518.982	2500-2570	PASS
	Extreme (-10°C)		2501.022	2518.978	2500-2570	PASS
	25°C	LV	2501.039	2518.961	2500-2570	PASS
		HV	2501.031	2518.969	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2567.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2565.208	2569.792	2500-2570	PASS
	Extreme (50°C)		2565.834	2569.166	2500-2570	PASS
	Extreme (40°C)		2565.292	2569.708	2500-2570	PASS
	Extreme (30°C)		2565.269	2569.731	2500-2570	PASS
	Extreme (20°C)		2565.241	2569.759	2500-2570	PASS
	Extreme (10°C)		2565.202	2569.798	2500-2570	PASS
	Extreme (0°C)		2565.298	2569.702	2500-2570	PASS
	Extreme (-10°C)		2565.270	2569.730	2500-2570	PASS

	25°C	LV	2565.255	2569.745	2500-2570	PASS
		HV	2565.250	2569.750	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2565	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2560.504	2569.496	2500-2570	PASS
	Extreme (50°C)		2560.529	2569.471	2500-2570	PASS
	Extreme (40°C)		2560.572	2569.428	2500-2570	PASS
	Extreme (30°C)		2560.589	2569.411	2500-2570	PASS
	Extreme (20°C)		2560.533	2569.467	2500-2570	PASS
	Extreme (10°C)		2560.522	2569.478	2500-2570	PASS
	Extreme (0°C)		2560.544	2569.456	2500-2570	PASS
	Extreme (-10°C)		2560.571	2569.429	2500-2570	PASS
	25°C	LV	2560.505	2569.495	2500-2570	PASS
		HV	2560.585	2569.415	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2562.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2555.702	2569.298	2500-2570	PASS
	Extreme (50°C)		2555.723	2569.277	2500-2570	PASS
	Extreme (40°C)		2555.787	2569.213	2500-2570	PASS
	Extreme (30°C)		2555.783	2569.217	2500-2570	PASS
	Extreme (20°C)		2555.728	2569.272	2500-2570	PASS
	Extreme (10°C)		2555.767	2569.233	2500-2570	PASS
	Extreme (0°C)		2555.795	2569.205	2500-2570	PASS
	Extreme (-10°C)		2555.714	2569.286	2500-2570	PASS
	25°C	LV	2555.758	2569.242	2500-2570	PASS
		HV	2555.751	2569.249	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2560	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2550.900	2569.100	2500-2570	PASS
	Extreme (50°C)		2550.945	2569.055	2500-2570	PASS
	Extreme (40°C)		2550.973	2569.027	2500-2570	PASS
	Extreme (30°C)		2550.981	2569.019	2500-2570	PASS

	Extreme (20℃)		2550.937	2569.063	2500-2570	PASS
	Extreme (10℃)		2550.933	2569.067	2500-2570	PASS
	Extreme (0℃)		2550.907	2569.093	2500-2570	PASS
	Extreme (-10℃)		2550.933	2569.067	2500-2570	PASS
	25℃	LV	2550.936	2569.064	2500-2570	PASS
		HV	2550.969	2569.031	2500-2570	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
699.7	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	699.147	700.253	699-716	PASS
	Extreme (50℃)		699.148	700.252	699-716	PASS
	Extreme (40℃)		699.147	700.253	699-716	PASS
	Extreme (30℃)		699.150	700.250	699-716	PASS
	Extreme (20℃)		699.149	700.251	699-716	PASS
	Extreme (10℃)		699.150	700.250	699-716	PASS
	Extreme (0℃)		699.148	700.252	699-716	PASS
	Extreme (-10℃)		699.149	700.251	699-716	PASS
	25℃	LV	699.149	700.251	699-716	PASS
		HV	699.146	700.254	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
700.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	699.146	701.854	699-716	PASS
	Extreme (50℃)		699.147	701.853	699-716	PASS
	Extreme (40℃)		699.148	701.852	699-716	PASS
	Extreme (30℃)		699.146	701.854	699-716	PASS
	Extreme (20℃)		699.148	701.852	699-716	PASS
	Extreme (10℃)		699.145	701.855	699-716	PASS
	Extreme (0℃)		699.149	701.851	699-716	PASS
	Extreme (-10℃)		699.149	701.851	699-716	PASS
	25℃	LV	699.149	701.851	699-716	PASS
		HV	699.147	701.853	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
701.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			

	Extreme (55℃)	NV	699.287	703.713	699-716	PASS
	Extreme (50℃)		699.224	703.776	699-716	PASS
	Extreme (40℃)		699.299	703.701	699-716	PASS
	Extreme (30℃)		699.287	703.713	699-716	PASS
	Extreme (20℃)		699.255	703.745	699-716	PASS
	Extreme (10℃)		699.253	703.747	699-716	PASS
	Extreme (0℃)		699.206	703.794	699-716	PASS
	Extreme (-10℃)		699.219	703.781	699-716	PASS
	25℃	LV	699.248	703.752	699-716	PASS
HV		699.241	703.759	699-716	PASS	
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
704	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	699.540	708.460	699-716	PASS
	Extreme (50℃)		699.502	708.498	699-716	PASS
	Extreme (40℃)		699.540	708.460	699-716	PASS
	Extreme (30℃)		699.618	708.382	699-716	PASS
	Extreme (20℃)		699.632	708.368	699-716	PASS
	Extreme (10℃)		699.549	708.451	699-716	PASS
	Extreme (0℃)		699.538	708.462	699-716	PASS
	Extreme (-10℃)		699.551	708.449	699-716	PASS
	25℃	LV	699.647	708.353	699-716	PASS
		HV	699.553	708.447	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
715.3	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	714.746	715.854	699-716	PASS
	Extreme (50℃)		714.750	715.850	699-716	PASS
	Extreme (40℃)		714.748	715.852	699-716	PASS
	Extreme (30℃)		714.748	715.852	699-716	PASS
	Extreme (20℃)		714.749	715.851	699-716	PASS
	Extreme (10℃)		714.746	715.854	699-716	PASS
	Extreme (0℃)		714.748	715.852	699-716	PASS
	Extreme (-10℃)		714.748	715.852	699-716	PASS
	25℃	LV	714.748	715.852	699-716	PASS
		HV	714.748	715.852	699-716	PASS
LTE B12	Condition		F Low	F High	Limit (MHz)	Verdict

Fc(MHz)			(MHz)	(MHz)		
714.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	713.147	715.853	699-716	PASS
	Extreme (50°C)		713.148	715.852	699-716	PASS
	Extreme (40°C)		713.147	715.853	699-716	PASS
	Extreme (30°C)		713.148	715.852	699-716	PASS
	Extreme (20°C)		713.149	715.851	699-716	PASS
	Extreme (10°C)		713.148	715.852	699-716	PASS
	Extreme (0°C)		713.146	715.854	699-716	PASS
	Extreme (-10°C)		713.150	715.850	699-716	PASS
	25°C	LV	713.147	715.853	699-716	PASS
		HV	713.146	715.854	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
713.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	711.222	715.778	699-716	PASS
	Extreme (50°C)		711.240	715.760	699-716	PASS
	Extreme (40°C)		711.293	715.707	699-716	PASS
	Extreme (30°C)		711.223	715.777	699-716	PASS
	Extreme (20°C)		711.210	715.790	699-716	PASS
	Extreme (10°C)		711.205	715.795	699-716	PASS
	Extreme (0°C)		711.251	715.749	699-716	PASS
	Extreme (-10°C)		711.233	715.767	699-716	PASS
	25°C	LV	711.266	715.734	699-716	PASS
		HV	711.229	715.771	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
711	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	706.557	715.443	699-716	PASS
	Extreme (50°C)		706.638	715.362	699-716	PASS
	Extreme (40°C)		706.619	715.381	699-716	PASS
	Extreme (30°C)		706.586	715.414	699-716	PASS
	Extreme (20°C)		706.547	715.453	699-716	PASS
	Extreme (10°C)		706.575	715.425	699-716	PASS
	Extreme (0°C)		706.522	715.478	699-716	PASS
	Extreme (-10°C)		706.505	715.495	699-716	PASS

	25°C	LV	706.544	715.456	699-716	PASS
		HV	706.605	715.395	699-716	PASS
LTE B13 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
779.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	777.249	781.751	777-787	PASS
	Extreme (50°C)		777.735	781.265	777-787	PASS
	Extreme (40°C)		777.207	781.793	777-787	PASS
	Extreme (30°C)		777.213	781.787	777-787	PASS
	Extreme (20°C)		777.266	781.734	777-787	PASS
	Extreme (10°C)		777.298	781.702	777-787	PASS
	Extreme (0°C)		777.272	781.728	777-787	PASS
	Extreme (-10°C)		777.277	781.723	777-787	PASS
	25°C	LV	777.259	781.741	777-787	PASS
		HV	777.211	781.789	777-787	PASS
LTE B13 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
782	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	777.621	786.379	777-787	PASS
	Extreme (50°C)		777.576	786.424	777-787	PASS
	Extreme (40°C)		777.613	786.387	777-787	PASS
	Extreme (30°C)		777.606	786.394	777-787	PASS
	Extreme (20°C)		777.597	786.403	777-787	PASS
	Extreme (10°C)		777.513	786.487	777-787	PASS
	Extreme (0°C)		777.635	786.365	777-787	PASS
	Extreme (-10°C)		777.528	786.472	777-787	PASS
	25°C	LV	777.539	786.461	777-787	PASS
		HV	777.587	786.413	777-787	PASS
LTE B13 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
784.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	782.244	786.756	777-787	PASS
	Extreme (50°C)		782.736	786.264	777-787	PASS
	Extreme (40°C)		782.291	786.709	777-787	PASS
	Extreme (30°C)		782.295	786.705	777-787	PASS

	Extreme (20℃)		782.276	786.724	777-787	PASS
	Extreme (10℃)		782.277	786.723	777-787	PASS
	Extreme (0℃)		782.204	786.796	777-787	PASS
	Extreme (-10℃)		782.264	786.736	777-787	PASS
	25℃	LV	782.241	786.759	777-787	PASS
		HV	782.211	786.789	777-787	PASS
LTE B14 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
790.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	788.278	792.722	788-798	PASS
	Extreme (50℃)		788.720	792.280	788-798	PASS
	Extreme (40℃)		788.276	792.724	788-798	PASS
	Extreme (30℃)		788.220	792.780	788-798	PASS
	Extreme (20℃)		788.255	792.745	788-798	PASS
	Extreme (10℃)		788.206	792.794	788-798	PASS
	Extreme (0℃)		788.256	792.744	788-798	PASS
	Extreme (-10℃)		788.288	792.712	788-798	PASS
	25℃	LV	788.251	792.749	788-798	PASS
		HV	788.258	792.742	788-798	PASS
LTE B14 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
793	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	788.590	797.410	788-798	PASS
	Extreme (50℃)		788.580	797.420	788-798	PASS
	Extreme (40℃)		788.516	797.484	788-798	PASS
	Extreme (30℃)		788.529	797.471	788-798	PASS
	Extreme (20℃)		788.510	797.490	788-798	PASS
	Extreme (10℃)		788.554	797.446	788-798	PASS
	Extreme (0℃)		788.507	797.493	788-798	PASS
	Extreme (-10℃)		788.536	797.464	788-798	PASS
	25℃	LV	788.587	797.413	788-798	PASS
		HV	788.525	797.475	788-798	PASS
LTE B14 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
795.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			

	Extreme (55°C)	NV	793.212	797.788	788-798	PASS
	Extreme (50°C)		793.716	797.284	788-798	PASS
	Extreme (40°C)		793.220	797.780	788-798	PASS
	Extreme (30°C)		793.293	797.707	788-798	PASS
	Extreme (20°C)		793.274	797.726	788-798	PASS
	Extreme (10°C)		793.235	797.765	788-798	PASS
	Extreme (0°C)		793.245	797.755	788-798	PASS
	Extreme (-10°C)		793.291	797.709	788-798	PASS
	25°C	LV	793.279	797.721	788-798	PASS
		HV	793.274	797.726	788-798	PASS
LTE B17 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
706.5	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	704.229	708.771	704-716	PASS
	Extreme (50°C)		704.788	708.212	703-716	PASS
	Extreme (40°C)		704.262	708.738	704-716	PASS
	Extreme (30°C)		704.255	708.745	704-716	PASS
	Extreme (20°C)		704.233	708.767	704-716	PASS
	Extreme (10°C)		704.286	708.714	704-716	PASS
	Extreme (0°C)		704.297	708.703	704-716	PASS
	Extreme (-10°C)		704.266	708.734	704-716	PASS
	25°C	LV	704.257	708.743	704-716	PASS
		HV	704.212	708.788	704-716	PASS
LTE B17 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
709	BANDWIDTH	10MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	704.611	713.389	704-716	PASS
	Extreme (50°C)		704.535	713.465	704-716	PASS
	Extreme (40°C)		704.576	713.424	704-716	PASS
	Extreme (30°C)		704.601	713.399	704-716	PASS
	Extreme (20°C)		704.574	713.426	704-716	PASS
	Extreme (10°C)		704.530	713.470	704-716	PASS
	Extreme (0°C)		704.515	713.485	704-716	PASS
	Extreme (-10°C)		704.649	713.351	704-716	PASS
	25°C	LV	704.570	713.430	704-716	PASS
		HV	704.504	713.496	704-716	PASS
LTE B17	Condition		F Low	F High	Limit (MHz)	Verdict

Fc(MHz)			(MHz)	(MHz)		
713.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	711.231	715.769	704-716	PASS
	Extreme (50°C)		711.733	715.267	703-716	PASS
	Extreme (40°C)		711.213	715.787	704-716	PASS
	Extreme (30°C)		711.220	715.780	704-716	PASS
	Extreme (20°C)		711.274	715.726	704-716	PASS
	Extreme (10°C)		711.218	715.782	704-716	PASS
	Extreme (0°C)		711.287	715.713	704-716	PASS
	Extreme (-10°C)		711.201	715.799	704-716	PASS
	25°C	LV	711.278	715.722	704-716	PASS
		HV	711.260	715.740	704-716	PASS
LTE B17 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
711	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	706.596	715.404	704-716	PASS
	Extreme (50°C)		706.529	715.471	704-716	PASS
	Extreme (40°C)		706.628	715.372	704-716	PASS
	Extreme (30°C)		706.602	715.398	704-716	PASS
	Extreme (20°C)		706.512	715.488	704-716	PASS
	Extreme (10°C)		706.635	715.365	704-716	PASS
	Extreme (0°C)		706.549	715.451	704-716	PASS
	Extreme (-10°C)		706.615	715.385	704-716	PASS
	25°C	LV	706.542	715.458	704-716	PASS
		HV	706.609	715.391	704-716	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1850.7	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1850.150	1851.250	1850-1915	PASS
	Extreme (50°C)		1850.147	1851.253	1850-1915	PASS
	Extreme (40°C)		1850.148	1851.252	1850-1915	PASS
	Extreme (30°C)		1850.149	1851.251	1850-1915	PASS
	Extreme (20°C)		1850.147	1851.253	1850-1915	PASS
	Extreme (10°C)		1850.148	1851.252	1850-1915	PASS
	Extreme (0°C)		1850.149	1851.251	1850-1915	PASS
	Extreme (-10°C)		1850.148	1851.252	1850-1915	PASS

	25°C	LV	1850.148	1851.252	1850-1915	PASS
		HV	1850.149	1851.251	1850-1915	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1851.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1850.146	1852.854	1850-1915	PASS
	Extreme (50°C)		1850.145	1852.855	1850-1815	PASS
	Extreme (40°C)		1850.146	1852.854	1850-1915	PASS
	Extreme (30°C)		1850.148	1852.852	1850-1915	PASS
	Extreme (20°C)		1850.146	1852.854	1850-1915	PASS
	Extreme (10°C)		1850.147	1852.853	1850-1915	PASS
	Extreme (0°C)		1850.146	1852.854	1850-1915	PASS
	Extreme (-10°C)		1850.146	1852.854	1850-1915	PASS
	25°C	LV	1850.147	1852.853	1850-1915	PASS
		HV	1850.148	1852.852	1850-1915	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1852.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1850.269	1854.731	1850-1915	PASS
	Extreme (50°C)		1850.238	1854.762	1850-1915	PASS
	Extreme (40°C)		1850.229	1854.771	1850-1915	PASS
	Extreme (30°C)		1850.267	1854.733	1850-1915	PASS
	Extreme (20°C)		1850.207	1854.793	1850-1915	PASS
	Extreme (10°C)		1850.223	1854.777	1850-1915	PASS
	Extreme (0°C)		1850.247	1854.753	1850-1915	PASS
	Extreme (-10°C)		1850.205	1854.795	1850-1915	PASS
	25°C	LV	1850.241	1854.759	1850-1915	PASS
		HV	1850.269	1854.731	1850-1915	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1855	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1850.601	1859.399	1850-1915	PASS
	Extreme (50°C)		1850.532	1859.468	1850-1915	PASS
	Extreme (40°C)		1850.562	1859.438	1850-1915	PASS
	Extreme (30°C)		1850.574	1859.426	1850-1915	PASS

	Extreme (20℃)		1850.573	1859.427	1850-1915	PASS
	Extreme (10℃)		1850.519	1859.481	1850-1915	PASS
	Extreme (0℃)		1850.572	1859.428	1850-1915	PASS
	Extreme (-10℃)		1850.594	1859.406	1850-1915	PASS
	25℃	LV	1850.543	1859.457	1850-1915	PASS
		HV	1850.649	1859.351	1850-1915	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1857.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1850.792	1864.208	1850-1915	PASS
	Extreme (50℃)		1850.731	1864.269	1850-1915	PASS
	Extreme (40℃)		1850.798	1864.202	1850-1915	PASS
	Extreme (30℃)		1850.752	1864.248	1850-1915	PASS
	Extreme (20℃)		1850.726	1864.274	1850-1915	PASS
	Extreme (10℃)		1850.713	1864.287	1850-1915	PASS
	Extreme (0℃)		1850.770	1864.230	1850-1915	PASS
	Extreme (-10℃)		1850.792	1864.208	1850-1915	PASS
	25℃	LV	1850.717	1864.283	1850-1915	PASS
		HV	1850.760	1864.240	1850-1915	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1860	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1851.002	1868.998	1850-1915	PASS
	Extreme (50℃)		1851.022	1868.978	1850-1915	PASS
	Extreme (40℃)		1851.048	1868.952	1850-1915	PASS
	Extreme (30℃)		1851.036	1868.964	1850-1915	PASS
	Extreme (20℃)		1851.008	1868.992	1850-1915	PASS
	Extreme (10℃)		1851.046	1868.954	1850-1915	PASS
	Extreme (0℃)		1851.027	1868.973	1850-1915	PASS
	Extreme (-10℃)		1851.033	1868.967	1850-1915	PASS
	25℃	LV	1851.013	1868.987	1850-1915	PASS
		HV	1851.004	1868.996	1850-1915	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1914.3	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			

	Extreme (55℃)	NV	1913.748	1914.852	1850-1915	PASS
	Extreme (50℃)		1913.747	1914.853	1850-1915	PASS
	Extreme (40℃)		1913.746	1914.854	1850-1915	PASS
	Extreme (30℃)		1913.747	1914.853	1850-1915	PASS
	Extreme (20℃)		1913.746	1914.854	1850-1915	PASS
	Extreme (10℃)		1913.748	1914.852	1850-1915	PASS
	Extreme (0℃)		1913.747	1914.853	1850-1915	PASS
	Extreme (-10℃)		1913.748	1914.852	1850-1915	PASS
	25℃	LV	1913.749	1914.851	1850-1915	PASS
HV		1913.749	1914.851	1850-1915	PASS	
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1913.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1912.146	1914.854	1850-1915	PASS
	Extreme (50℃)		1912.146	1914.854	1850-1815	PASS
	Extreme (40℃)		1912.148	1914.852	1850-1915	PASS
	Extreme (30℃)		1912.145	1914.855	1850-1915	PASS
	Extreme (20℃)		1912.146	1914.854	1850-1915	PASS
	Extreme (10℃)		1912.145	1914.855	1850-1915	PASS
	Extreme (0℃)		1912.146	1914.854	1850-1915	PASS
	Extreme (-10℃)		1912.150	1914.850	1850-1915	PASS
	25℃	LV	1912.147	1914.853	1850-1915	PASS
HV		1912.148	1914.852	1850-1915	PASS	
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1912.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1910.239	1914.761	1850-1915	PASS
	Extreme (50℃)		1910.298	1914.702	1850-1915	PASS
	Extreme (40℃)		1910.212	1914.788	1850-1915	PASS
	Extreme (30℃)		1910.295	1914.705	1850-1915	PASS
	Extreme (20℃)		1910.221	1914.779	1850-1915	PASS
	Extreme (10℃)		1910.279	1914.721	1850-1915	PASS
	Extreme (0℃)		1910.228	1914.772	1850-1915	PASS
	Extreme (-10℃)		1910.203	1914.797	1850-1915	PASS
	25℃	LV	1910.286	1914.714	1850-1915	PASS
HV		1910.242	1914.758	1850-1915	PASS	
LTE B25	Condition		F Low	F High	Limit (MHz)	Verdict

Fc(MHz)			(MHz)	(MHz)		
1910	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1905.586	1914.414	1850-1915	PASS
	Extreme (50°C)		1905.546	1914.454	1850-1915	PASS
	Extreme (40°C)		1905.528	1914.472	1850-1915	PASS
	Extreme (30°C)		1905.569	1914.431	1850-1915	PASS
	Extreme (20°C)		1905.533	1914.467	1850-1915	PASS
	Extreme (10°C)		1905.520	1914.480	1850-1915	PASS
	Extreme (0°C)		1905.512	1914.488	1850-1915	PASS
	Extreme (-10°C)		1905.622	1914.378	1850-1915	PASS
	25°C	LV	1905.590	1914.410	1850-1915	PASS
		HV	1905.553	1914.447	1850-1915	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1907.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1900.779	1914.221	1850-1915	PASS
	Extreme (50°C)		1900.721	1914.279	1850-1915	PASS
	Extreme (40°C)		1900.782	1914.218	1850-1915	PASS
	Extreme (30°C)		1900.745	1914.255	1850-1915	PASS
	Extreme (20°C)		1900.793	1914.207	1850-1915	PASS
	Extreme (10°C)		1900.717	1914.283	1850-1915	PASS
	Extreme (0°C)		1900.771	1914.229	1850-1915	PASS
	Extreme (-10°C)		1900.764	1914.236	1850-1915	PASS
	25°C	LV	1900.758	1914.242	1850-1915	PASS
		HV	1900.750	1914.250	1850-1915	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1905	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1895.985	1914.015	1850-1915	PASS
	Extreme (50°C)		1895.973	1914.027	1850-1915	PASS
	Extreme (40°C)		1895.983	1914.017	1850-1915	PASS
	Extreme (30°C)		1895.982	1914.018	1850-1915	PASS
	Extreme (20°C)		1895.995	1914.005	1850-1915	PASS
	Extreme (10°C)		1895.919	1914.081	1850-1915	PASS
	Extreme (0°C)		1895.960	1914.040	1850-1915	PASS
	Extreme (-10°C)		1895.975	1914.025	1850-1915	PASS

	25°C	LV	1895.970	1914.030	1850-1915	PASS
		HV	1895.914	1914.086	1850-1915	PASS

BAND26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	1.4MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (55°C)	NV	15.69	0.01876	
	Extreme (50°C)		12.86	0.01537	PASS
	Extreme (40°C)		16.98	0.02030	PASS
	Extreme (30°C)		3.90	0.00467	PASS
	Extreme (20°C)		3.03	0.00362	PASS
	Extreme (10°C)		8.46	0.01012	PASS
	Extreme (0°C)		7.02	0.00840	PASS
	Extreme (-10°C)		10.83	0.01295	PASS
	25°C	LV	9.58	0.01145	PASS
		HV	14.89	0.01780	PASS
BAND26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	3MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (55°C)	NV	2.07	0.00247	PASS
	Extreme (50°C)		9.17	0.01097	PASS
	Extreme (40°C)		4.17	0.00499	PASS
	Extreme (30°C)		2.09	0.00250	PASS
	Extreme (20°C)		4.01	0.00479	PASS
	Extreme (10°C)		13.60	0.01626	PASS
	Extreme (0°C)		16.66	0.01992	PASS
	Extreme (-10°C)		13.87	0.01659	PASS
	25°C	LV	17.11	0.02046	PASS
		HV	1.29	0.00154	PASS
BAND26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (55°C)	NV	11.37	0.01360	PASS
	Extreme (50°C)		11.09	0.01326	PASS
	Extreme (40°C)		16.76	0.02004	PASS

	Extreme (30℃)		4.03	0.00482	PASS
	Extreme (20℃)		11.76	0.01406	PASS
	Extreme (10℃)		13.11	0.01568	PASS
	Extreme (0℃)		3.09	0.00369	PASS
	Extreme (-10℃)		7.92	0.00947	PASS
	25℃	LV	2.76	0.00330	PASS
		HV	15.90	0.01901	PASS
BAND26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz			
	Temperature	Voltage			
	Extreme (55℃)	NV	12.07	0.01443	PASS
	Extreme (50℃)		13.01	0.01555	PASS
	Extreme (40℃)		5.17	0.00618	PASS
	Extreme (30℃)		2.94	0.00352	PASS
	Extreme (20℃)		4.64	0.00555	PASS
	Extreme (10℃)		8.37	0.01000	PASS
	Extreme (0℃)		14.80	0.01769	PASS
	Extreme (-10℃)		5.53	0.00661	PASS
	25℃	LV	4.86	0.00581	PASS
		HV	8.74	0.01044	PASS
BAND26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	15MHz			
	Temperature	Voltage			
	Extreme (55℃)	NV	13.68	0.01635	PASS
	Extreme (50℃)		2.65	0.00317	PASS
	Extreme (40℃)		16.69	0.01995	PASS
	Extreme (30℃)		1.05	0.00126	PASS
	Extreme (20℃)		3.46	0.00414	PASS
	Extreme (10℃)		11.03	0.01319	PASS
	Extreme (0℃)		2.27	0.00272	PASS
	Extreme (-10℃)		8.48	0.01014	PASS
	25℃	LV	15.92	0.01903	PASS
		HV	5.42	0.00647	PASS

BAND26 (814-824)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	1.4MHz			
	Temperature	Voltage			
	Extreme (55℃)	NV	17.15	0.02095	PASS

	Extreme (50°C)		5.19	0.00633	PASS
	Extreme (40°C)		10.60	0.01294	PASS
	Extreme (30°C)		15.09	0.01843	PASS
	Extreme (20°C)		5.19	0.00634	PASS
	Extreme (10°C)		8.58	0.01047	PASS
	Extreme (0°C)		6.87	0.00839	PASS
	Extreme (-10°C)		13.32	0.01627	PASS
	25°C	LV	4.27	0.00521	PASS
		HV	8.24	0.01007	PASS
BAND26 (814-824)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	3MHz			
	Temperature	Voltage			
	Extreme (55°C)	NV	12.62	0.01540	PASS
	Extreme (50°C)		8.23	0.01005	PASS
	Extreme (40°C)		13.60	0.01660	PASS
	Extreme (30°C)		7.14	0.00872	PASS
	Extreme (20°C)		7.16	0.00874	PASS
	Extreme (10°C)		17.97	0.02194	PASS
	Extreme (0°C)		1.20	0.00146	PASS
	Extreme (-10°C)		2.32	0.00283	PASS
	25°C	LV	2.85	0.00348	PASS
		HV	1.84	0.00225	PASS
BAND26 (814-824)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz			
	Temperature	Voltage			
	Extreme (55°C)	NV	6.83	0.00834	PASS
	Extreme (50°C)		17.01	0.02076	PASS
	Extreme (40°C)		10.19	0.01244	PASS
	Extreme (30°C)		11.09	0.01354	PASS
	Extreme (20°C)		17.77	0.02170	PASS
	Extreme (10°C)		17.16	0.02095	PASS
	Extreme (0°C)		6.12	0.00748	PASS
	Extreme (-10°C)		17.09	0.02086	PASS
	25°C	LV	8.24	0.01006	PASS
		HV	2.98	0.00363	PASS
BAND26 (814-824)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz			
	Temperature	Voltage	QPSK	QPSK	

	Extreme (55°C)	NV	10.13	0.01237	PASS
	Extreme (50°C)		6.49	0.00792	PASS
	Extreme (40°C)		12.49	0.01525	PASS
	Extreme (30°C)		1.71	0.00208	PASS
	Extreme (20°C)		13.39	0.01634	PASS
	Extreme (10°C)		16.84	0.02056	PASS
	Extreme (0°C)		6.23	0.00760	PASS
	Extreme (-10°C)		6.47	0.00790	PASS
	25°C	LV	6.72	0.00820	PASS
		HV	16.37	0.01999	PASS

LTE B30 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2307.5	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	2305.243	2309.757	2305-2315	PASS
	Extreme (50°C)		2305.733	2309.267	2305-2315	PASS
	Extreme (40°C)		2305.250	2309.750	2305-2315	PASS
	Extreme (30°C)		2305.241	2309.759	2305-2315	PASS
	Extreme (20°C)		2305.259	2309.741	2305-2315	PASS
	Extreme (10°C)		2305.230	2309.770	2305-2315	PASS
	Extreme (0°C)		2305.242	2309.758	2305-2315	PASS
	Extreme (-10°C)		2305.227	2309.773	2305-2315	PASS
	25°C	LV	2305.219	2309.781	2305-2315	PASS
		HV	2305.293	2309.707	2305-2315	PASS
LTE B30 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2310	BANDWIDTH	10MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	2305.564	2314.436	2305-2315	PASS
	Extreme (50°C)		2305.589	2314.411	2305-2315	PASS
	Extreme (40°C)		2305.573	2314.427	2305-2315	PASS
	Extreme (30°C)		2305.550	2314.450	2305-2315	PASS
	Extreme (20°C)		2305.526	2314.474	2305-2315	PASS
	Extreme (10°C)		2305.516	2314.484	2305-2315	PASS
	Extreme (0°C)		2305.506	2314.494	2305-2315	PASS
	Extreme (-10°C)		2305.580	2314.420	2305-2315	PASS
	25°C	LV	2305.515	2314.485	2305-2315	PASS
		HV	2305.545	2314.455	2305-2315	PASS
LTE B30	Condition		F Low	F High	Limit	Verdict

Fc(MHz)			(MHz)	(MHz)	(MHz)	
2312.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2310.266	2314.734	2305-2315	PASS
	Extreme (50°C)		2310.701	2314.299	2305-2315	PASS
	Extreme (40°C)		2310.203	2314.797	2305-2315	PASS
	Extreme (30°C)		2310.216	2314.784	2305-2315	PASS
	Extreme (20°C)		2310.257	2314.743	2305-2315	PASS
	Extreme (10°C)		2310.284	2314.716	2305-2315	PASS
	Extreme (0°C)		2310.271	2314.729	2305-2315	PASS
	Extreme (-10°C)		2310.224	2314.776	2305-2315	PASS
	25°C	LV	2310.216	2314.784	2305-2315	PASS
		HV	2310.214	2314.786	2305-2315	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2572.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2570.272	2574.728	2570-2620	PASS
	Extreme (50°C)		2570.738	2574.262	2570-2620	PASS
	Extreme (40°C)		2570.237	2574.763	2570-2620	PASS
	Extreme (30°C)		2570.209	2574.791	2570-2620	PASS
	Extreme (20°C)		2570.207	2574.793	2570-2620	PASS
	Extreme (10°C)		2570.274	2574.726	2570-2620	PASS
	Extreme (0°C)		2570.290	2574.710	2570-2620	PASS
	Extreme (-10°C)		2570.226	2574.774	2570-2620	PASS
	25°C	LV	2570.281	2574.719	2570-2620	PASS
		HV	2570.299	2574.701	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2575	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2570.522	2579.478	2570-2620	PASS
	Extreme (50°C)		2570.650	2579.350	2570-2620	PASS
	Extreme (40°C)		2570.517	2579.483	2570-2620	PASS
	Extreme (30°C)		2570.613	2579.387	2570-2620	PASS
	Extreme (20°C)		2570.618	2579.382	2570-2620	PASS
	Extreme (10°C)		2570.600	2579.400	2570-2620	PASS
	Extreme (0°C)		2570.523	2579.477	2570-2620	PASS
	Extreme (-10°C)		2570.545	2579.455	2570-2620	PASS

	25°C	LV	2570.562	2579.438	2570-2620	PASS
		HV	2570.531	2579.469	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2577.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2570.751	2584.249	2570-2620	PASS
	Extreme (50°C)		2570.713	2584.287	2570-2620	PASS
	Extreme (40°C)		2570.713	2584.287	2570-2620	PASS
	Extreme (30°C)		2570.701	2584.299	2570-2620	PASS
	Extreme (20°C)		2570.783	2584.217	2570-2620	PASS
	Extreme (10°C)		2570.709	2584.291	2570-2620	PASS
	Extreme (0°C)		2570.729	2584.271	2570-2620	PASS
	Extreme (-10°C)		2570.729	2584.271	2570-2620	PASS
	25°C	LV	2570.737	2584.263	2570-2620	PASS
		HV	2570.744	2584.256	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2580	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2571.045	2588.955	2570-2620	PASS
	Extreme (50°C)		2571.016	2588.984	2570-2620	PASS
	Extreme (40°C)		2571.034	2588.966	2570-2620	PASS
	Extreme (30°C)		2571.014	2588.986	2570-2620	PASS
	Extreme (20°C)		2571.037	2588.963	2570-2620	PASS
	Extreme (10°C)		2571.030	2588.970	2570-2620	PASS
	Extreme (0°C)		2571.034	2588.966	2570-2620	PASS
	Extreme (-10°C)		2571.001	2588.999	2570-2620	PASS
	25°C	LV	2571.016	2588.984	2570-2620	PASS
		HV	2571.049	2588.951	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2617.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2615.227	2619.773	2570-2620	PASS
	Extreme (50°C)		2615.823	2619.177	2570-2620	PASS
	Extreme (40°C)		2615.276	2619.724	2570-2620	PASS
	Extreme (30°C)		2615.294	2619.706	2570-2620	PASS

	Extreme (20℃)		2615.291	2619.709	2570-2620	PASS
	Extreme (10℃)		2615.258	2619.742	2570-2620	PASS
	Extreme (0℃)		2615.218	2619.782	2570-2620	PASS
	Extreme (-10℃)		2615.235	2619.765	2570-2620	PASS
	25℃	LV	2615.227	2619.773	2570-2620	PASS
		HV	2615.216	2619.784	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2615	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	2610.571	2619.429	2570-2620	PASS
	Extreme (50℃)		2610.508	2619.492	2570-2620	PASS
	Extreme (40℃)		2610.516	2619.484	2570-2620	PASS
	Extreme (30℃)		2610.622	2619.378	2570-2620	PASS
	Extreme (20℃)		2610.631	2619.369	2570-2620	PASS
	Extreme (10℃)		2610.570	2619.430	2570-2620	PASS
	Extreme (0℃)		2610.608	2619.392	2570-2620	PASS
	Extreme (-10℃)		2610.504	2619.496	2570-2620	PASS
	25℃	LV	2610.637	2619.363	2570-2620	PASS
		HV	2610.600	2619.400	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2612.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	2605.776	2619.224	2570-2620	PASS
	Extreme (50℃)		2605.772	2619.228	2570-2620	PASS
	Extreme (40℃)		2605.780	2619.220	2570-2620	PASS
	Extreme (30℃)		2605.765	2619.235	2570-2620	PASS
	Extreme (20℃)		2605.719	2619.281	2570-2620	PASS
	Extreme (10℃)		2605.758	2619.242	2570-2620	PASS
	Extreme (0℃)		2605.765	2619.235	2570-2620	PASS
	Extreme (-10℃)		2605.717	2619.283	2570-2620	PASS
	25℃	LV	2605.785	2619.215	2570-2620	PASS
		HV	2605.752	2619.248	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2610	BANDWIDTH	20MHz				
	Temperature	Voltage				

	Extreme (55°C)	NV	2600.997	2619.003	2570-2620	PASS
	Extreme (50°C)		2600.911	2619.089	2570-2620	PASS
	Extreme (40°C)		2600.983	2619.017	2570-2620	PASS
	Extreme (30°C)		2600.946	2619.054	2570-2620	PASS
	Extreme (20°C)		2600.929	2619.071	2570-2620	PASS
	Extreme (10°C)		2600.918	2619.082	2570-2620	PASS
	Extreme (0°C)		2600.994	2619.006	2570-2620	PASS
	Extreme (-10°C)		2601.000	2619.000	2570-2620	PASS
	25°C	LV	2600.936	2619.064	2570-2620	PASS
		HV	2600.963	2619.037	2570-2620	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2498.5	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	2496.289	2500.711	2496-2690	PASS
	Extreme (50°C)		2496.724	2500.276	2396-2690	PASS
	Extreme (40°C)		2496.265	2500.735	2496-2690	PASS
	Extreme (30°C)		2496.260	2500.740	2496-2690	PASS
	Extreme (20°C)		2496.250	2500.750	2496-2690	PASS
	Extreme (10°C)		2496.289	2500.711	2496-2690	PASS
	Extreme (0°C)		2496.286	2500.714	2496-2690	PASS
	Extreme (-10°C)		2496.264	2500.736	2496-2690	PASS
	25°C	LV	2496.274	2500.726	2496-2690	PASS
		HV	2496.272	2500.728	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2501	BANDWIDTH	10MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	2496.518	2505.482	2496-2690	PASS
	Extreme (50°C)		2496.566	2505.434	2496-2690	PASS
	Extreme (40°C)		2496.626	2505.374	2496-2690	PASS
	Extreme (30°C)		2496.526	2505.474	2496-2690	PASS
	Extreme (20°C)		2496.545	2505.455	2496-2690	PASS
	Extreme (10°C)		2496.535	2505.465	2496-2690	PASS
	Extreme (0°C)		2496.525	2505.475	2496-2690	PASS
	Extreme (-10°C)		2496.559	2505.441	2496-2690	PASS
	25°C	LV	2496.537	2505.463	2496-2690	PASS
		HV	2496.618	2505.382	2496-2690	PASS
LTE B41	Condition		F Low	F High	Limit	Verdict

Fc(MHz)			(MHz)	(MHz)	(MHz)	
2503.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2496.736	2510.264	2496-2690	PASS
	Extreme (50°C)		2496.785	2510.215	2496-2690	PASS
	Extreme (40°C)		2496.751	2510.249	2496-2690	PASS
	Extreme (30°C)		2496.752	2510.248	2496-2690	PASS
	Extreme (20°C)		2496.760	2510.240	2496-2690	PASS
	Extreme (10°C)		2496.740	2510.260	2496-2690	PASS
	Extreme (0°C)		2496.731	2510.269	2496-2690	PASS
	Extreme (-10°C)		2496.783	2510.217	2496-2690	PASS
	25°C	LV	2496.723	2510.277	2496-2690	PASS
		HV	2496.764	2510.236	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2506	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2497.043	2514.957	2496-2690	PASS
	Extreme (50°C)		2497.047	2514.953	2486-2690	PASS
	Extreme (40°C)		2497.045	2514.955	2496-2690	PASS
	Extreme (30°C)		2497.023	2514.977	2496-2690	PASS
	Extreme (20°C)		2497.024	2514.976	2496-2690	PASS
	Extreme (10°C)		2497.038	2514.962	2496-2690	PASS
	Extreme (0°C)		2497.046	2514.954	2496-2690	PASS
	Extreme (-10°C)		2497.026	2514.974	2496-2690	PASS
	25°C	LV	2497.017	2514.983	2496-2690	PASS
		HV	2497.018	2514.982	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2687.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2685.206	2689.794	2496-2690	PASS
	Extreme (50°C)		2685.796	2689.204	2396-2690	PASS
	Extreme (40°C)		2685.246	2689.754	2496-2690	PASS
	Extreme (30°C)		2685.278	2689.722	2496-2690	PASS
	Extreme (20°C)		2685.290	2689.710	2496-2690	PASS
	Extreme (10°C)		2685.254	2689.746	2496-2690	PASS
	Extreme (0°C)		2685.282	2689.718	2496-2690	PASS
	Extreme (-10°C)		2685.245	2689.755	2496-2690	PASS

	25°C	LV	2685.234	2689.766	2496-2690	PASS
		HV	2685.290	2689.710	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2685	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2680.553	2689.447	2496-2690	PASS
	Extreme (50°C)		2680.575	2689.425	2496-2690	PASS
	Extreme (40°C)		2680.595	2689.405	2496-2690	PASS
	Extreme (30°C)		2680.594	2689.406	2496-2690	PASS
	Extreme (20°C)		2680.603	2689.397	2496-2690	PASS
	Extreme (10°C)		2680.602	2689.398	2496-2690	PASS
	Extreme (0°C)		2680.643	2689.357	2496-2690	PASS
	Extreme (-10°C)		2680.586	2689.414	2496-2690	PASS
	25°C	LV	2680.650	2689.350	2496-2690	PASS
		HV	2680.584	2689.416	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2682.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2675.752	2689.248	2496-2690	PASS
	Extreme (50°C)		2675.727	2689.273	2496-2690	PASS
	Extreme (40°C)		2675.728	2689.272	2496-2690	PASS
	Extreme (30°C)		2675.703	2689.297	2496-2690	PASS
	Extreme (20°C)		2675.753	2689.247	2496-2690	PASS
	Extreme (10°C)		2675.747	2689.253	2496-2690	PASS
	Extreme (0°C)		2675.702	2689.298	2496-2690	PASS
	Extreme (-10°C)		2675.704	2689.296	2496-2690	PASS
	25°C	LV	2675.800	2689.200	2496-2690	PASS
		HV	2675.756	2689.244	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2680	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2670.962	2689.038	2496-2690	PASS
	Extreme (50°C)		2670.993	2689.007	2486-2690	PASS
	Extreme (40°C)		2670.980	2689.020	2496-2690	PASS
	Extreme (30°C)		2670.901	2689.099	2496-2690	PASS

	Extreme (20°C)		2670.927	2689.073	2496-2690	PASS
	Extreme (10°C)		2670.925	2689.075	2496-2690	PASS
	Extreme (0°C)		2670.954	2689.046	2496-2690	PASS
	Extreme (-10°C)		2670.913	2689.087	2496-2690	PASS
	25°C	LV	2670.943	2689.057	2496-2690	PASS
		HV	2670.954	2689.046	2496-2690	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1710.7	BANDWIDTH	1.4MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1710.147	1711.253	1710-1780	PASS
	Extreme (50°C)		1710.146	1711.254	1710-1780	PASS
	Extreme (40°C)		1710.150	1711.250	1710-1780	PASS
	Extreme (30°C)		1710.149	1711.251	1710-1780	PASS
	Extreme (20°C)		1710.147	1711.253	1710-1780	PASS
	Extreme (10°C)		1710.145	1711.255	1710-1780	PASS
	Extreme (0°C)		1710.150	1711.250	1710-1780	PASS
	Extreme (-10°C)		1710.148	1711.252	1710-1780	PASS
	25°C	LV	1710.147	1711.253	1710-1780	PASS
		HV	1710.146	1711.254	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1711.5	BANDWIDTH	3MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1710.148	1712.852	1710-1780	PASS
	Extreme (50°C)		1710.148	1712.852	1710-1780	PASS
	Extreme (40°C)		1710.145	1712.855	1710-1780	PASS
	Extreme (30°C)		1710.150	1712.850	1710-1780	PASS
	Extreme (20°C)		1710.148	1712.852	1710-1780	PASS
	Extreme (10°C)		1710.150	1712.850	1710-1780	PASS
	Extreme (0°C)		1710.146	1712.854	1710-1780	PASS
	Extreme (-10°C)		1710.146	1712.854	1710-1780	PASS
	25°C	LV	1710.149	1712.851	1710-1780	PASS
		HV	1710.149	1712.851	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1712.5	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				

	Extreme (55°C)	NV	1710.242	1714.758	1710-1780	PASS
	Extreme (50°C)		1710.249	1714.751	1710-1780	PASS
	Extreme (40°C)		1710.267	1714.733	1710-1780	PASS
	Extreme (30°C)		1710.256	1714.744	1710-1780	PASS
	Extreme (20°C)		1710.214	1714.786	1710-1780	PASS
	Extreme (10°C)		1710.216	1714.784	1710-1780	PASS
	Extreme (0°C)		1710.271	1714.729	1710-1780	PASS
	Extreme (-10°C)		1710.300	1714.700	1710-1780	PASS
	25°C	LV	1710.251	1714.749	1710-1780	PASS
		HV	1710.210	1714.790	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1715	BANDWIDTH	10MHz	QPSK	QPSK		
	Temperature	Voltage				
	Extreme (55°C)	NV	1710.553	1719.447	1710-1780	PASS
	Extreme (50°C)		1710.647	1719.353	1710-1780	PASS
	Extreme (40°C)		1710.588	1719.412	1710-1780	PASS
	Extreme (30°C)		1710.590	1719.410	1710-1780	PASS
	Extreme (20°C)		1710.597	1719.403	1710-1780	PASS
	Extreme (10°C)		1710.619	1719.381	1710-1780	PASS
	Extreme (0°C)		1710.554	1719.446	1710-1780	PASS
	Extreme (-10°C)		1710.622	1719.378	1710-1780	PASS
	25°C	LV	1710.590	1719.410	1710-1780	PASS
		HV	1710.641	1719.359	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1717.5	BANDWIDTH	15MHz	QPSK	QPSK		
	Temperature	Voltage				
	Extreme (55°C)	NV	1710.772	1724.228	1710-1780	PASS
	Extreme (50°C)		1710.729	1724.271	1710-1780	PASS
	Extreme (40°C)		1710.709	1724.291	1710-1780	PASS
	Extreme (30°C)		1710.712	1724.288	1710-1780	PASS
	Extreme (20°C)		1710.718	1724.282	1710-1780	PASS
	Extreme (10°C)		1710.752	1724.248	1710-1780	PASS
	Extreme (0°C)		1710.727	1724.273	1710-1780	PASS
	Extreme (-10°C)		1710.781	1724.219	1710-1780	PASS
	25°C	LV	1710.798	1724.202	1710-1780	PASS
		HV	1710.745	1724.255	1710-1780	PASS
LTE B66	Condition		F Low	F High	Limit	Verdict

Fc(MHz)			(MHz)	(MHz)	(MHz)	
1720	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1711.036	1728.964	1710-1780	PASS
	Extreme (50°C)		1711.033	1728.967	1710-1780	PASS
	Extreme (40°C)		1711.044	1728.956	1710-1780	PASS
	Extreme (30°C)		1711.015	1728.985	1710-1780	PASS
	Extreme (20°C)		1711.035	1728.965	1710-1780	PASS
	Extreme (10°C)		1711.047	1728.953	1710-1780	PASS
	Extreme (0°C)		1711.037	1728.963	1710-1780	PASS
	Extreme (-10°C)		1711.006	1728.994	1710-1780	PASS
	25°C	LV	1711.042	1728.958	1710-1780	PASS
		HV	1711.036	1728.964	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1779.3	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1778.745	1779.855	1710-1780	PASS
	Extreme (50°C)		1778.746	1779.854	1710-1780	PASS
	Extreme (40°C)		1778.749	1779.851	1710-1780	PASS
	Extreme (30°C)		1778.745	1779.855	1710-1780	PASS
	Extreme (20°C)		1778.748	1779.852	1710-1780	PASS
	Extreme (10°C)		1778.748	1779.852	1710-1780	PASS
	Extreme (0°C)		1778.749	1779.851	1710-1780	PASS
	Extreme (-10°C)		1778.746	1779.854	1710-1780	PASS
	25°C	LV	1778.749	1779.851	1710-1780	PASS
		HV	1778.748	1779.852	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1778.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1777.149	1779.851	1710-1780	PASS
	Extreme (50°C)		1777.146	1779.854	1710-1780	PASS
	Extreme (40°C)		1777.147	1779.853	1710-1780	PASS
	Extreme (30°C)		1777.148	1779.852	1710-1780	PASS
	Extreme (20°C)		1777.147	1779.853	1710-1780	PASS
	Extreme (10°C)		1777.148	1779.852	1710-1780	PASS
	Extreme (0°C)		1777.148	1779.852	1710-1780	PASS
	Extreme (-10°C)		1777.148	1779.852	1710-1780	PASS

	25°C	LV	1777.149	1779.851	1710-1780	PASS
		HV	1777.146	1779.854	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1777.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1775.282	1779.718	1710-1780	PASS
	Extreme (50°C)		1775.212	1779.788	1710-1780	PASS
	Extreme (40°C)		1775.236	1779.764	1710-1780	PASS
	Extreme (30°C)		1775.251	1779.749	1710-1780	PASS
	Extreme (20°C)		1775.241	1779.759	1710-1780	PASS
	Extreme (10°C)		1775.269	1779.731	1710-1780	PASS
	Extreme (0°C)		1775.249	1779.751	1710-1780	PASS
	Extreme (-10°C)		1775.209	1779.791	1710-1780	PASS
	25°C	LV	1775.230	1779.770	1710-1780	PASS
		HV	1775.274	1779.726	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1775	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1770.584	1779.416	1710-1780	PASS
	Extreme (50°C)		1770.637	1779.363	1710-1780	PASS
	Extreme (40°C)		1770.555	1779.445	1710-1780	PASS
	Extreme (30°C)		1770.518	1779.482	1710-1780	PASS
	Extreme (20°C)		1770.598	1779.402	1710-1780	PASS
	Extreme (10°C)		1770.566	1779.434	1710-1780	PASS
	Extreme (0°C)		1770.549	1779.451	1710-1780	PASS
	Extreme (-10°C)		1770.562	1779.438	1710-1780	PASS
	25°C	LV	1770.528	1779.472	1710-1780	PASS
		HV	1770.534	1779.466	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1772.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1765.719	1779.281	1710-1780	PASS
	Extreme (50°C)		1765.709	1779.291	1710-1780	PASS
	Extreme (40°C)		1765.762	1779.238	1710-1780	PASS
	Extreme (30°C)		1765.754	1779.246	1710-1780	PASS

	Extreme (20℃)		1765.726	1779.274	1710-1780	PASS
	Extreme (10℃)		1765.754	1779.246	1710-1780	PASS
	Extreme (0℃)		1765.764	1779.236	1710-1780	PASS
	Extreme (-10℃)		1765.787	1779.213	1710-1780	PASS
	25℃	LV	1765.779	1779.221	1710-1780	PASS
		HV	1765.773	1779.227	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1770	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	1760.998	1779.002	1710-1780	PASS
	Extreme (50℃)		1760.980	1779.020	1710-1780	PASS
	Extreme (40℃)		1760.929	1779.071	1710-1780	PASS
	Extreme (30℃)		1760.950	1779.050	1710-1780	PASS
	Extreme (20℃)		1760.977	1779.023	1710-1780	PASS
	Extreme (10℃)		1760.913	1779.087	1710-1780	PASS
	Extreme (0℃)		1760.906	1779.094	1710-1780	PASS
	Extreme (-10℃)		1760.935	1779.065	1710-1780	PASS
	25℃	LV	1760.968	1779.032	1710-1780	PASS
		HV	1760.960	1779.040	1710-1780	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
665.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	663.254	667.746	663-698	PASS
	Extreme (50℃)		663.810	667.190	663-698	PASS
	Extreme (40℃)		663.252	667.748	663-698	PASS
	Extreme (30℃)		663.253	667.747	663-698	PASS
	Extreme (20℃)		663.260	667.740	663-698	PASS
	Extreme (10℃)		663.259	667.741	663-698	PASS
	Extreme (0℃)		663.250	667.750	663-698	PASS
	Extreme (-10℃)		663.255	667.745	663-698	PASS
	25℃	LV	663.260	667.740	663-698	PASS
		HV	663.260	667.740	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
668	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			

	Extreme (55℃)	NV	663.528	672.472	663-698	PASS
	Extreme (50℃)		663.525	672.475	663-698	PASS
	Extreme (40℃)		663.521	672.479	663-698	PASS
	Extreme (30℃)		663.534	672.466	663-698	PASS
	Extreme (20℃)		663.527	672.473	663-698	PASS
	Extreme (10℃)		663.520	672.480	663-698	PASS
	Extreme (0℃)		663.510	672.490	663-698	PASS
	Extreme (-10℃)		663.518	672.482	663-698	PASS
	25℃	LV	663.526	672.474	663-698	PASS
		HV	663.532	672.468	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
670.5	BANDWIDTH	15MHz	QPSK			
	Temperature	Voltage				
	Extreme (55℃)	NV	663.701	677.299	663-698	PASS
	Extreme (50℃)		663.762	677.238	663-698	PASS
	Extreme (40℃)		663.792	677.208	663-698	PASS
	Extreme (30℃)		663.791	677.209	663-698	PASS
	Extreme (20℃)		663.702	677.298	663-698	PASS
	Extreme (10℃)		663.732	677.268	663-698	PASS
	Extreme (0℃)		663.712	677.288	663-698	PASS
	Extreme (-10℃)		663.717	677.283	663-698	PASS
	25℃	LV	663.760	677.240	663-698	PASS
		HV	663.783	677.217	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
673	BANDWIDTH	20MHz	QPSK			
	Temperature	Voltage				
	Extreme (55℃)	NV	664.047	681.953	663-698	PASS
	Extreme (50℃)		664.046	681.954	663-698	PASS
	Extreme (40℃)		664.045	681.955	663-698	PASS
	Extreme (30℃)		664.049	681.951	663-698	PASS
	Extreme (20℃)		664.046	681.954	663-698	PASS
	Extreme (10℃)		664.049	681.951	663-698	PASS
	Extreme (0℃)		664.049	681.951	663-698	PASS
	Extreme (-10℃)		664.045	681.955	663-698	PASS
	25℃	LV	664.049	681.951	663-698	PASS
		HV	664.046	681.954	663-698	PASS
LTE B71	Condition		F Low	F High	Limit	Verdict

Fc(MHz)			(MHz)	(MHz)	(MHz)	
695.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	693.258	697.742	663-698	PASS
	Extreme (50°C)		693.802	697.198	663-698	PASS
	Extreme (40°C)		693.256	697.744	663-698	PASS
	Extreme (30°C)		693.259	697.741	663-698	PASS
	Extreme (20°C)		693.257	697.743	663-698	PASS
	Extreme (10°C)		693.255	697.745	663-698	PASS
	Extreme (0°C)		693.259	697.741	663-698	PASS
	Extreme (-10°C)		693.257	697.743	663-698	PASS
	25°C	LV	693.259	697.741	663-698	PASS
		HV	693.251	697.749	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
693	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	688.531	697.469	663-698	PASS
	Extreme (50°C)		688.524	697.476	663-698	PASS
	Extreme (40°C)		688.517	697.483	663-698	PASS
	Extreme (30°C)		688.518	697.482	663-698	PASS
	Extreme (20°C)		688.510	697.490	663-698	PASS
	Extreme (10°C)		688.521	697.479	663-698	PASS
	Extreme (0°C)		688.530	697.470	663-698	PASS
	Extreme (-10°C)		688.525	697.475	663-698	PASS
	25°C	LV	688.517	697.483	663-698	PASS
		HV	688.525	697.475	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
690.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	683.747	697.253	663-698	PASS
	Extreme (50°C)		683.769	697.231	663-698	PASS
	Extreme (40°C)		683.767	697.233	663-698	PASS
	Extreme (30°C)		683.722	697.278	663-698	PASS
	Extreme (20°C)		683.701	697.299	663-698	PASS
	Extreme (10°C)		683.783	697.217	663-698	PASS
	Extreme (0°C)		683.704	697.296	663-698	PASS
	Extreme (-10°C)		683.742	697.258	663-698	PASS

	25°C	LV	683.733	697.267	663-698	PASS
		HV	683.794	697.206	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
688	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	679.050	696.950	663-698	PASS
	Extreme (50°C)		679.045	696.955	663-698	PASS
	Extreme (40°C)		679.048	696.952	663-698	PASS
	Extreme (30°C)		679.047	696.953	663-698	PASS
	Extreme (20°C)		679.045	696.955	663-698	PASS
	Extreme (10°C)		679.048	696.952	663-698	PASS
	Extreme (0°C)		679.048	696.952	663-698	PASS
	Extreme (-10°C)		679.048	696.952	663-698	PASS
	25°C	LV	679.050	696.950	663-698	PASS
		HV	679.047	696.953	663-698	PASS

Variant:

GSM850	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	Extreme (50°C)		16.58	0.01982	PASS
	Extreme (40°C)		12.47	0.01491	PASS
	Extreme (30°C)		10.60	0.01267	PASS
	Extreme (20°C)		16.21	0.01938	PASS
	Extreme (10°C)		8.06	0.00964	PASS
	Extreme (0°C)		15.12	0.01807	PASS
	Extreme (-10°C)		7.06	0.00844	PASS
	25°C	LV	10.65	0.01273	PASS
		HV	7.29	0.00871	PASS
WCDMA B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	Temperature	Voltage	QPSK	QPSK	
	Extreme (55°C)	NV	5.79	0.00693	PASS
	Extreme (50°C)		16.58	0.01981	PASS
	Extreme (40°C)		8.40	0.01004	PASS
	Extreme (30°C)		7.79	0.00931	PASS
	Extreme (20°C)		6.18	0.00739	PASS
	Extreme (10°C)		11.28	0.01348	PASS
	Extreme (0°C)		12.56	0.01501	PASS
	Extreme (-10°C)		14.86	0.01776	PASS
	25°C	LV	9.73	0.01163	PASS
		HV	4.31	0.00515	PASS
BAND5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (55°C)	NV	1.77	0.00212	PASS
	Extreme (50°C)		6.80	0.00813	PASS
	Extreme (40°C)		9.93	0.01187	PASS
	Extreme (30°C)		9.42	0.01126	PASS
	Extreme (20°C)		8.57	0.01024	PASS
	Extreme (10°C)		13.00	0.01554	PASS
	Extreme (0°C)		11.78	0.01408	PASS
	Extreme (-10°C)		6.47	0.00773	PASS
	25°C	LV	15.16	0.01812	PASS
		HV	4.24	0.00507	PASS
BAND26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability	Verdict

	BANDWIDTH	10MHz		(ppm)	
	Temperature	Voltage	QPSK	QPSK	
	Extreme (55°C)	NV	10.51	0.01257	PASS
	Extreme (50°C)		3.08	0.00368	PASS
	Extreme (40°C)		16.31	0.01949	PASS
	Extreme (30°C)		8.19	0.00979	PASS
	Extreme (20°C)		9.18	0.01097	PASS
	Extreme (10°C)		8.83	0.01056	PASS
	Extreme (0°C)		7.96	0.00952	PASS
	Extreme (-10°C)		1.55	0.00185	PASS
	25°C	LV	9.89	0.01183	PASS
		HV	5.15	0.00616	PASS
BAND26 (814-824)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (55°C)	NV	3.71	0.00453	PASS
	Extreme (50°C)		3.16	0.00385	PASS
	Extreme (40°C)		9.73	0.01188	PASS
	Extreme (30°C)		12.79	0.01562	PASS
	Extreme (20°C)		4.95	0.00604	PASS
	Extreme (10°C)		2.63	0.00322	PASS
	Extreme (0°C)		11.40	0.01392	PASS
	Extreme (-10°C)		10.27	0.01254	PASS
	25°C	LV	8.18	0.00999	PASS
		HV	17.89	0.02185	PASS

GSM1900 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1850.2	BANDWIDTH	0.2MHz	GMSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1850.073	1850.327	1850-1910	PASS
	Extreme (50°C)		1850.068	1850.332	1850-1910	PASS
	Extreme (40°C)		1850.061	1850.339	1850-1910	PASS
	Extreme (30°C)		1850.067	1850.333	1850-1910	PASS
	Extreme (20°C)		1850.070	1850.330	1850-1910	PASS
	Extreme (10°C)		1850.063	1850.337	1850-1910	PASS
	Extreme (0°C)		1850.072	1850.328	1850-1910	PASS
	Extreme (-10°C)		1850.079	1850.321	1850-1910	PASS
	25°C	LV	1850.063	1850.337	1850-1910	PASS
		HV	1850.067	1850.333	1850-1910	PASS
GSM1900 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1909.8	BANDWIDTH	0.2MHz	GMSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1909.661	1909.939	1850-1910	PASS
	Extreme (50°C)		1909.663	1909.937	1850-1910	PASS
	Extreme (40°C)		1909.678	1909.922	1850-1910	PASS
	Extreme (30°C)		1909.663	1909.937	1850-1910	PASS
	Extreme (20°C)		1909.673	1909.927	1850-1910	PASS
	Extreme (10°C)		1909.679	1909.921	1850-1910	PASS
	Extreme (0°C)		1909.663	1909.937	1850-1910	PASS
	Extreme (-10°C)		1909.675	1909.925	1850-1910	PASS
	25°C	LV	1909.675	1909.925	1850-1910	PASS
		HV	1909.662	1909.938	1850-1910	PASS
WCDMA B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1852.4	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1850.328	1854.472	1850-1910	PASS
	Extreme (55°C)		1850.322	1854.478	1850-1910	PASS
	Extreme (40°C)		1850.320	1854.480	1850-1910	PASS
	Extreme (30°C)		1850.316	1854.484	1850-1910	PASS
	Extreme (20°C)		1850.317	1854.483	1850-1910	PASS
	Extreme (10°C)		1850.317	1854.483	1850-1910	PASS

	Extreme (0°C)		1850.322	1854.478	1850-1910	PASS
	Extreme (-10°C)		1850.326	1854.474	1850-1910	PASS
	25°C	LV	1850.317	1854.483	1850-1910	PASS
		HV	1850.327	1854.473	1850-1910	PASS
WCDMA B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1907.6	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1905.527	1909.673	1850-1910	PASS
	Extreme (55°C)		1905.524	1909.676	1850-1910	PASS
	Extreme (40°C)		1905.528	1909.672	1850-1910	PASS
	Extreme (30°C)		1905.528	1909.672	1850-1910	PASS
	Extreme (20°C)		1905.524	1909.676	1850-1910	PASS
	Extreme (10°C)		1905.530	1909.670	1850-1910	PASS
	Extreme (0°C)		1905.521	1909.679	1850-1910	PASS
	Extreme (-10°C)		1905.517	1909.683	1850-1910	PASS
	25°C	LV	1905.527	1909.673	1850-1910	PASS
		HV	1905.522	1909.678	1850-1910	PASS
WCDMA B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1712.4	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1710.322	1714.478	1710-1755	PASS
	Extreme (55°C)		1710.319	1714.481	1710-1755	PASS
	Extreme (40°C)		1710.326	1714.474	1710-1755	PASS
	Extreme (30°C)		1710.323	1714.477	1710-1755	PASS
	Extreme (20°C)		1710.316	1714.484	1710-1755	PASS
	Extreme (10°C)		1710.319	1714.481	1710-1755	PASS
	Extreme (0°C)		1710.329	1714.471	1710-1755	PASS
	Extreme (-10°C)		1710.324	1714.476	1710-1755	PASS
	25°C	LV	1710.326	1714.474	1710-1755	PASS
		HV	1710.317	1714.483	1710-1755	PASS
WCDMA B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1752.6	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1750.527	1754.673	1710-1755	PASS

	Extreme (55°C)		1750.525	1754.675	1710-1755	PASS
	Extreme (40°C)		1750.520	1754.680	1710-1755	PASS
	Extreme (30°C)		1750.520	1754.680	1710-1755	PASS
	Extreme (20°C)		1750.528	1754.672	1710-1755	PASS
	Extreme (10°C)		1750.524	1754.676	1710-1755	PASS
	Extreme (0°C)		1750.518	1754.682	1710-1755	PASS
	Extreme (-10°C)		1750.529	1754.671	1710-1755	PASS
	25°C	LV	1750.519	1754.681	1710-1755	PASS
		HV	1750.517	1754.683	1710-1755	PASS

LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1860	BANDWIDTH	20MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1851.023	1868.977	1850-1910	PASS
	Extreme (50°C)		1851.001	1868.999	1850-1910	PASS
	Extreme (40°C)		1851.011	1868.989	1850-1910	PASS
	Extreme (30°C)		1851.040	1868.960	1850-1910	PASS
	Extreme (20°C)		1851.048	1868.952	1850-1910	PASS
	Extreme (10°C)		1851.018	1868.982	1850-1910	PASS
	Extreme (0°C)		1851.005	1868.995	1850-1910	PASS
	Extreme (-10°C)		1851.032	1868.968	1850-1910	PASS
	25°C	LV	1851.016	1868.984	1850-1910	PASS
		HV	1851.040	1868.960	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1900	BANDWIDTH	20MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1890.958	1909.042	1850-1910	PASS
	Extreme (50°C)		1890.983	1909.017	1850-1910	PASS
	Extreme (40°C)		1890.950	1909.050	1850-1910	PASS
	Extreme (30°C)		1890.967	1909.033	1850-1910	PASS
	Extreme (20°C)		1890.974	1909.026	1850-1910	PASS
	Extreme (10°C)		1890.916	1909.084	1850-1910	PASS
	Extreme (0°C)		1890.920	1909.080	1850-1910	PASS
	Extreme (-10°C)		1890.948	1909.052	1850-1910	PASS
	25°C	LV	1890.903	1909.097	1850-1910	PASS
		HV	1890.900	1909.100	1850-1910	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

1715	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1710.515	1719.485	1710-1755	PASS
	Extreme (50°C)		1710.574	1719.426	1710-1755	PASS
	Extreme (40°C)		1710.590	1719.410	1710-1755	PASS
	Extreme (30°C)		1710.547	1719.453	1710-1755	PASS
	Extreme (20°C)		1710.614	1719.386	1710-1755	PASS
	Extreme (10°C)		1710.633	1719.367	1710-1755	PASS
	Extreme (0°C)		1710.609	1719.391	1710-1755	PASS
	Extreme (-10°C)		1710.598	1719.402	1710-1755	PASS
	25°C	LV	1710.564	1719.436	1710-1755	PASS
		HV	1710.537	1719.463	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1750	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	1745.559	1754.441	1710-1755	PASS
	Extreme (50°C)		1745.511	1754.489	1710-1755	PASS
	Extreme (40°C)		1745.583	1754.417	1710-1755	PASS
	Extreme (30°C)		1745.575	1754.425	1710-1755	PASS
	Extreme (20°C)		1745.589	1754.411	1710-1755	PASS
	Extreme (10°C)		1745.646	1754.354	1710-1755	PASS
	Extreme (0°C)		1745.551	1754.449	1710-1755	PASS
	Extreme (-10°C)		1745.604	1754.396	1710-1755	PASS
	25°C	LV	1745.631	1754.369	1710-1755	PASS
		HV	1745.616	1754.384	1710-1755	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2510	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2501.012	2518.988	2500-2570	PASS
	Extreme (50°C)		2501.031	2518.969	2500-2570	PASS
	Extreme (40°C)		2501.030	2518.970	2500-2570	PASS
	Extreme (30°C)		2501.026	2518.974	2500-2570	PASS
	Extreme (20°C)		2501.023	2518.977	2500-2570	PASS
	Extreme (10°C)		2501.001	2518.999	2500-2570	PASS
	Extreme (0°C)		2501.048	2518.952	2500-2570	PASS
	Extreme (-10°C)		2501.019	2518.981	2500-2570	PASS
	25°C	LV	2501.048	2518.952	2500-2570	PASS
		HV	2501.040	2518.960	2500-2570	PASS
LTE B7	Condition		F Low	F High	Limit	Verdict

Fc(MHz)			(MHz)	(MHz)	(MHz)	
2560	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2550.924	2569.076	2500-2570	PASS
	Extreme (50°C)		2550.973	2569.027	2500-2570	PASS
	Extreme (40°C)		2550.943	2569.057	2500-2570	PASS
	Extreme (30°C)		2550.978	2569.022	2500-2570	PASS
	Extreme (20°C)		2550.908	2569.092	2500-2570	PASS
	Extreme (10°C)		2550.996	2569.004	2500-2570	PASS
	Extreme (0°C)		2550.921	2569.079	2500-2570	PASS
	Extreme (-10°C)		2550.995	2569.005	2500-2570	PASS
	25°C	LV	2550.908	2569.092	2500-2570	PASS
		HV	2550.953	2569.047	2500-2570	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
704	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	699.583	708.417	699-716	PASS
	Extreme (50°C)		699.514	708.486	699-716	PASS
	Extreme (40°C)		699.632	708.368	699-716	PASS
	Extreme (30°C)		699.529	708.471	699-716	PASS
	Extreme (20°C)		699.613	708.387	699-716	PASS
	Extreme (10°C)		699.634	708.366	699-716	PASS
	Extreme (0°C)		699.506	708.494	699-716	PASS
	Extreme (-10°C)		699.592	708.408	699-716	PASS
	25°C	LV	699.529	708.471	699-716	PASS
		HV	699.588	708.412	699-716	PASS
LTE B12 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
711	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	706.537	715.463	699-716	PASS
	Extreme (50°C)		706.550	715.450	699-716	PASS
	Extreme (40°C)		706.582	715.418	699-716	PASS
	Extreme (30°C)		706.596	715.404	699-716	PASS
	Extreme (20°C)		706.567	715.433	699-716	PASS
	Extreme (10°C)		706.582	715.418	699-716	PASS
	Extreme (0°C)		706.549	715.451	699-716	PASS
	Extreme (-10°C)		706.573	715.427	699-716	PASS
	25°C	LV	706.563	715.437	699-716	PASS
		HV	706.612	715.388	699-716	PASS

LTE B13 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
782	BANDWIDTH	10MHz	QPSK	QPSK	777-787	PASS
	Temperature	Voltage				
	Extreme (55°C)	NV	777.539	786.461	777-787	PASS
	Extreme (50°C)		777.517	786.483	777-787	PASS
	Extreme (40°C)		777.616	786.384	777-787	PASS
	Extreme (30°C)		777.593	786.407	777-787	PASS
	Extreme (20°C)		777.567	786.433	777-787	PASS
	Extreme (10°C)		777.542	786.458	777-787	PASS
	Extreme (0°C)		777.638	786.362	777-787	PASS
	Extreme (-10°C)		777.614	786.386	777-787	PASS
	25°C	LV	777.577	786.423	777-787	PASS
		HV	777.589	786.411	777-787	PASS
LTE B14 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
793	BANDWIDTH	10MHz	QPSK	QPSK	788-798	PASS
	Temperature	Voltage				
	Extreme (55°C)	NV	788.580	797.420	788-798	PASS
	Extreme (50°C)		788.510	797.490	788-798	PASS
	Extreme (40°C)		788.563	797.437	788-798	PASS
	Extreme (30°C)		788.574	797.426	788-798	PASS
	Extreme (20°C)		788.572	797.428	788-798	PASS
	Extreme (10°C)		788.551	797.449	788-798	PASS
	Extreme (0°C)		788.575	797.425	788-798	PASS
	Extreme (-10°C)		788.535	797.465	788-798	PASS
	25°C	LV	788.538	797.462	788-798	PASS
		HV	788.515	797.485	788-798	PASS
LTE B17 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
709	BANDWIDTH	10MHz	QPSK	QPSK	704-716	PASS
	Temperature	Voltage				
	Extreme (55°C)	NV	704.565	713.435	704-716	PASS
	Extreme (50°C)		704.505	713.495	704-716	PASS
	Extreme (40°C)		704.606	713.394	704-716	PASS
	Extreme (30°C)		704.554	713.446	704-716	PASS
	Extreme (20°C)		704.578	713.422	704-716	PASS
	Extreme (10°C)		704.554	713.446	704-716	PASS
	Extreme (0°C)		704.622	713.378	704-716	PASS
	Extreme (-10°C)		704.553	713.447	704-716	PASS
	25°C	LV	704.535	713.465	704-716	PASS

		HV	704.576	713.424	704-716	PASS
LTE B17 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
711	BANDWIDTH	10MHz	QPSK	QPSK	704-716	PASS
	Temperature	Voltage				
	Extreme (55°C)	NV	706.506	715.494	704-716	PASS
	Extreme (50°C)		706.585	715.415	704-716	PASS
	Extreme (40°C)		706.501	715.499	704-716	PASS
	Extreme (30°C)		706.581	715.419	704-716	PASS
	Extreme (20°C)		706.529	715.471	704-716	PASS
	Extreme (10°C)		706.589	715.411	704-716	PASS
	Extreme (0°C)		706.501	715.499	704-716	PASS
	Extreme (-10°C)		706.643	715.357	704-716	PASS
	25°C	LV	706.600	715.400	704-716	PASS
		HV	706.513	715.487	704-716	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1855	BANDWIDTH	10MHz	QPSK	QPSK	1850-1915	PASS
	Temperature	Voltage				
	Extreme (55°C)	NV	1850.524	1859.476	1850-1915	PASS
	Extreme (50°C)		1850.629	1859.371	1850-1915	PASS
	Extreme (40°C)		1850.594	1859.406	1850-1915	PASS
	Extreme (30°C)		1850.579	1859.421	1850-1915	PASS
	Extreme (20°C)		1850.545	1859.455	1850-1915	PASS
	Extreme (10°C)		1850.550	1859.450	1850-1915	PASS
	Extreme (0°C)		1850.646	1859.354	1850-1915	PASS
	Extreme (-10°C)		1850.614	1859.386	1850-1915	PASS
	25°C	LV	1850.623	1859.377	1850-1915	PASS
		HV	1850.559	1859.441	1850-1915	PASS
LTE B25 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1910	BANDWIDTH	10MHz	QPSK	QPSK	1850-1915	PASS
	Temperature	Voltage				
	Extreme (55°C)	NV	1905.619	1914.381	1850-1915	PASS
	Extreme (50°C)		1905.585	1914.415	1850-1915	PASS
	Extreme (40°C)		1905.579	1914.421	1850-1915	PASS
	Extreme (30°C)		1905.502	1914.498	1850-1915	PASS
	Extreme (20°C)		1905.546	1914.454	1850-1915	PASS
	Extreme (10°C)		1905.580	1914.420	1850-1915	PASS
	Extreme (0°C)		1905.518	1914.482	1850-1915	PASS
	Extreme (-10°C)		1905.634	1914.366	1850-1915	PASS

	25°C	LV	1905.593	1914.407	1850-1915	PASS
		HV	1905.508	1914.492	1850-1915	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2575	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2570.611	2579.389	2570-2620	PASS
	Extreme (50°C)		2570.543	2579.457	2570-2620	PASS
	Extreme (40°C)		2570.530	2579.470	2570-2620	PASS
	Extreme (30°C)		2570.531	2579.469	2570-2620	PASS
	Extreme (20°C)		2570.553	2579.447	2570-2620	PASS
	Extreme (10°C)		2570.508	2579.492	2570-2620	PASS
	Extreme (0°C)		2570.605	2579.395	2570-2620	PASS
	Extreme (-10°C)		2570.593	2579.407	2570-2620	PASS
	25°C	LV	2570.537	2579.463	2570-2620	PASS
		HV	2570.585	2579.415	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2615	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2610.518	2619.482	2570-2620	PASS
	Extreme (50°C)		2610.551	2619.449	2570-2620	PASS
	Extreme (40°C)		2610.637	2619.363	2570-2620	PASS
	Extreme (30°C)		2610.502	2619.498	2570-2620	PASS
	Extreme (20°C)		2610.628	2619.372	2570-2620	PASS
	Extreme (10°C)		2610.598	2619.402	2570-2620	PASS
	Extreme (0°C)		2610.548	2619.452	2570-2620	PASS
	Extreme (-10°C)		2610.617	2619.383	2570-2620	PASS
	25°C	LV	2610.616	2619.384	2570-2620	PASS
		HV	2610.579	2619.421	2570-2620	PASS
LTE B30 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2307.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2305.232	2309.768	2305-2315	PASS
	Extreme (50°C)		2305.775	2309.225	2305-2315	PASS
	Extreme (40°C)		2305.227	2309.773	2305-2315	PASS
	Extreme (30°C)		2305.285	2309.715	2305-2315	PASS
	Extreme (20°C)		2305.245	2309.755	2305-2315	PASS
	Extreme (10°C)		2305.254	2309.746	2305-2315	PASS
	Extreme (0°C)		2305.279	2309.721	2305-2315	PASS

	Extreme (-10°C)		2305.267	2309.733	2305-2315	PASS
	25°C	LV	2305.204	2309.796	2305-2315	PASS
		HV	2305.210	2309.790	2305-2315	PASS
LTE B30 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2312.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2310.232	2314.768	2305-2315	PASS
	Extreme (50°C)		2310.823	2314.177	2305-2315	PASS
	Extreme (40°C)		2310.205	2314.795	2305-2315	PASS
	Extreme (30°C)		2310.216	2314.784	2305-2315	PASS
	Extreme (20°C)		2310.222	2314.778	2305-2315	PASS
	Extreme (10°C)		2310.240	2314.760	2305-2315	PASS
	Extreme (0°C)		2310.256	2314.744	2305-2315	PASS
	Extreme (-10°C)		2310.222	2314.778	2305-2315	PASS
	25°C	LV	2310.292	2314.708	2305-2315	PASS
		HV	2310.283	2314.717	2305-2315	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2501	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2496.556	2505.444	2496-2690	PASS
	Extreme (50°C)		2496.639	2505.361	2496-2690	PASS
	Extreme (40°C)		2496.626	2505.374	2496-2690	PASS
	Extreme (30°C)		2496.564	2505.436	2496-2690	PASS
	Extreme (20°C)		2496.572	2505.428	2496-2690	PASS
	Extreme (10°C)		2496.622	2505.378	2496-2690	PASS
	Extreme (0°C)		2496.580	2505.420	2496-2690	PASS
	Extreme (-10°C)		2496.502	2505.498	2496-2690	PASS
	25°C	LV	2496.544	2505.456	2496-2690	PASS
		HV	2496.590	2505.410	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2685	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (55°C)	NV	2680.616	2689.384	2496-2690	PASS
	Extreme (50°C)		2680.564	2689.436	2496-2690	PASS
	Extreme (40°C)		2680.512	2689.488	2496-2690	PASS
	Extreme (30°C)		2680.562	2689.438	2496-2690	PASS
	Extreme (20°C)		2680.540	2689.460	2496-2690	PASS
	Extreme (10°C)		2680.636	2689.364	2496-2690	PASS

	Extreme (0°C)		2680.607	2689.393	2496-2690	PASS
	Extreme (-10°C)		2680.620	2689.380	2496-2690	PASS
	25°C	LV	2680.568	2689.432	2496-2690	PASS
		HV	2680.562	2689.438	2496-2690	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1715	BANDWIDTH	10MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1710.516	1719.484	1710-1780	PASS
	Extreme (50°C)		1710.548	1719.452	1710-1780	PASS
	Extreme (40°C)		1710.528	1719.472	1710-1780	PASS
	Extreme (30°C)		1710.650	1719.350	1710-1780	PASS
	Extreme (20°C)		1710.603	1719.397	1710-1780	PASS
	Extreme (10°C)		1710.596	1719.404	1710-1780	PASS
	Extreme (0°C)		1710.613	1719.387	1710-1780	PASS
	Extreme (-10°C)		1710.630	1719.370	1710-1780	PASS
	25°C	LV	1710.610	1719.390	1710-1780	PASS
		HV	1710.561	1719.439	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1775	BANDWIDTH	10MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	1770.509	1779.491	1710-1780	PASS
	Extreme (50°C)		1770.522	1779.478	1710-1780	PASS
	Extreme (40°C)		1770.592	1779.408	1710-1780	PASS
	Extreme (30°C)		1770.550	1779.450	1710-1780	PASS
	Extreme (20°C)		1770.514	1779.486	1710-1780	PASS
	Extreme (10°C)		1770.610	1779.390	1710-1780	PASS
	Extreme (0°C)		1770.639	1779.361	1710-1780	PASS
	Extreme (-10°C)		1770.578	1779.422	1710-1780	PASS
	25°C	LV	1770.588	1779.412	1710-1780	PASS
		HV	1770.549	1779.451	1710-1780	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
673	BANDWIDTH	20MHz	QPSK			
	Temperature	Voltage				
	Extreme (55°C)	NV	664.046	681.954	663-698	PASS
	Extreme (50°C)		664.046	681.954	663-698	PASS
	Extreme (40°C)		664.049	681.951	663-698	PASS
	Extreme (30°C)		664.045	681.955	663-698	PASS
	Extreme (20°C)		664.048	681.952	663-698	PASS

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	Extreme (10℃)		664.046	681.954	663-698	PASS
	Extreme (0℃)		664.046	681.954	663-698	PASS
	Extreme (-10℃)		664.050	681.950	663-698	PASS
	25℃	LV	664.046	681.954	663-698	PASS
		HV	664.046	681.954	663-698	PASS
LTE B71 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
688	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (55℃)	NV	679.045	696.955	663-698	PASS
	Extreme (50℃)		679.047	696.953	663-698	PASS
	Extreme (40℃)		679.049	696.951	663-698	PASS
	Extreme (30℃)		679.049	696.951	663-698	PASS
	Extreme (20℃)		679.046	696.954	663-698	PASS
	Extreme (10℃)		679.046	696.954	663-698	PASS
	Extreme (0℃)		679.050	696.950	663-698	PASS
	Extreme (-10℃)		679.047	696.953	663-698	PASS
	25℃	LV	679.049	696.951	663-698	PASS
		HV	679.048	696.952	663-698	PASS