

Frequency Stability

	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	Temperature	Voltage	GMSK	GMSK	
GSM850	Extreme (50°C)	NV	15.70	0.01877	PASS
	Extreme (40°C)		1.13	0.00136	PASS
	Extreme (30°C)		9.04	0.01081	PASS
	Extreme (20°C)		10.34	0.01236	PASS
	Extreme (10°C)		1.74	0.00208	PASS
	Extreme (0°C)		9.56	0.01143	PASS
	Extreme (-10°C)		10.57	0.01263	PASS
	Extreme (-20°C)		4.72	0.00564	PASS
	Extreme (-30°C)		14.65	0.01751	PASS
	25°C	LV	11.46	0.01369	PASS
		HV	3.57	0.00427	PASS

GSM1900 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1850.2	BANDWIDTH	0.2MHz	GSMK	GSMK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.065	1850.335	1850-1910	PASS
	Extreme (40°C)		1850.078	1850.322	1850-1910	PASS
	Extreme (30°C)		1850.079	1850.321	1850-1910	PASS
	Extreme (20°C)		1850.069	1850.331	1850-1910	PASS
	Extreme (10°C)		1850.078	1850.322	1850-1910	PASS
	Extreme (0°C)		1850.067	1850.333	1850-1910	PASS
	Extreme (-10°C)		1850.078	1850.322	1850-1910	PASS
	Extreme (-20°C)		1850.063	1850.337	1850-1910	PASS
	Extreme (-30°C)		1850.067	1850.333	1850-1910	PASS
	25°C	LV	1850.076	1850.324	1850-1910	PASS
		HV	1850.071	1850.329	1850-1910	PASS
GSM1900 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1909.8	BANDWIDTH	0.2MHz	GSMK	GSMK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	1909.665	1909.935	1850-1910	PASS
	Extreme (40°C)		1909.666	1909.934	1850-1910	PASS
	Extreme (30°C)		1909.672	1909.928	1850-1910	PASS
	Extreme (20°C)		1909.674	1909.926	1850-1910	PASS
	Extreme (10°C)		1909.674	1909.926	1850-1910	PASS

	Extreme (0°C)		1909.663	1909.937	1850-1910	PASS
	Extreme (-10°C)		1909.673	1909.927	1850-1910	PASS
	Extreme (-20°C)		1909.677	1909.923	1850-1910	PASS
	Extreme (-30°C)		1909.680	1909.920	1850-1910	PASS
	25°C	LV	1909.667	1909.933	1850-1910	PASS
		HV	1909.672	1909.928	1850-1910	PASS

WCDMA B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1852.4	BANDWIDTH	5MHz	QPSK	QPSK	1850-1910	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.323	1854.477	1850-1910	PASS
	Extreme (40°C)		1850.325	1854.475	1850-1910	PASS
	Extreme (30°C)		1850.316	1854.484	1850-1910	PASS
	Extreme (20°C)		1850.321	1854.479	1850-1910	PASS
	Extreme (10°C)		1850.320	1854.480	1850-1910	PASS
	Extreme (0°C)		1850.317	1854.483	1850-1910	PASS
	Extreme (-10°C)		1850.328	1854.472	1850-1910	PASS
	Extreme (-20°C)		1850.319	1854.481	1850-1910	PASS
	Extreme (-30°C)		1850.319	1854.481	1850-1910	PASS
	25°C	LV	1850.323	1854.477	1850-1910	PASS
		HV	1850.329	1854.471	1850-1910	PASS
WCDMA B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1712.4	BANDWIDTH	5MHz	QPSK	QPSK	1710-1755	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.317	1714.483	1710-1755	PASS
	Extreme (40°C)		1710.319	1714.481	1710-1755	PASS
	Extreme (30°C)		1710.319	1714.481	1710-1755	PASS
	Extreme (20°C)		1710.317	1714.483	1710-1755	PASS
	Extreme (10°C)		1710.328	1714.472	1710-1755	PASS
	Extreme (0°C)		1710.323	1714.477	1710-1755	PASS
	Extreme (-10°C)		1710.315	1714.485	1710-1755	PASS
	Extreme (-20°C)		1710.320	1714.480	1710-1755	PASS
	Extreme (-30°C)		1710.318	1714.482	1710-1755	PASS
	25°C	LV	1710.322	1714.478	1710-1755	PASS
		HV	1710.320	1714.480	1710-1755	PASS
WCDMA B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1907.6	BANDWIDTH	5MHz				

	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1905.529	1909.671	1850-1910	PASS
	Extreme (40℃)		1905.522	1909.678	1850-1910	PASS
	Extreme (30℃)		1905.526	1909.674	1850-1910	PASS
	Extreme (20℃)		1905.524	1909.676	1850-1910	PASS
	Extreme (10℃)		1905.525	1909.675	1850-1910	PASS
	Extreme (0℃)		1905.524	1909.676	1850-1910	PASS
	Extreme (-10℃)		1905.520	1909.680	1850-1910	PASS
	Extreme (-20℃)		1905.522	1909.678	1850-1910	PASS
	Extreme (-30℃)		1905.516	1909.684	1850-1910	PASS
	25℃	LV	1905.517	1909.683	1850-1910	PASS
HV		1905.523	1909.677	1850-1910	PASS	
WCDMA B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1752.6	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1750.516	1754.684	1710-1755	PASS
	Extreme (40℃)		1750.527	1754.673	1710-1755	PASS
	Extreme (30℃)		1750.516	1754.684	1710-1755	PASS
	Extreme (20℃)		1750.530	1754.670	1710-1755	PASS
	Extreme (10℃)		1750.527	1754.673	1710-1755	PASS
	Extreme (0℃)		1750.530	1754.670	1710-1755	PASS
	Extreme (-10℃)		1750.520	1754.680	1710-1755	PASS
	Extreme (-20℃)		1750.526	1754.674	1710-1755	PASS
	Extreme (-30℃)		1750.528	1754.672	1710-1755	PASS
	25℃	LV	1750.518	1754.682	1710-1755	PASS
HV		1750.524	1754.676	1710-1755	PASS	

WCDMA B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50℃)	NV	7.81	0.00934	PASS
	Extreme (40℃)		15.59	0.01864	PASS
	Extreme (30℃)		8.33	0.00995	PASS
	Extreme (20℃)		12.03	0.01438	PASS
	Extreme (10℃)		11.06	0.01322	PASS
	Extreme (0℃)		4.05	0.00484	PASS
	Extreme (-10℃)		17.38	0.02078	PASS
	Extreme (-20℃)		8.78	0.01050	PASS
	Extreme (-30℃)		9.60	0.01148	PASS
	25℃	LV	8.30	0.00992	PASS
		HV	1.14	0.00137	PASS

LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1850.7	BANDWIDTH	1.4MHz	QPSK	QPSK	1850-1910	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.146	1851.254	1850-1910	PASS
	Extreme (40°C)		1850.147	1851.253	1850-1910	PASS
	Extreme (30°C)		1850.146	1851.254	1850-1910	PASS
	Extreme (25°C)		1850.149	1851.251	1850-1910	PASS
	Extreme (10°C)		1850.146	1851.254	1850-1910	PASS
	Extreme (0°C)		1850.149	1851.251	1850-1910	PASS
	Extreme (-10°C)		1850.148	1851.252	1850-1910	PASS
	Extreme (-25°C)		1850.150	1851.250	1850-1910	PASS
	Extreme (-30°C)		1850.149	1851.251	1850-1910	PASS
	25°C	LV	1850.150	1851.250	1850-1910	PASS
		HV	1850.147	1851.253	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1851.5	BANDWIDTH	3MHz	QPSK	QPSK	1850-1910	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.150	1852.850	1850-1910	PASS
	Extreme (40°C)		1850.146	1852.854	1850-1910	PASS
	Extreme (30°C)		1850.148	1852.852	1850-1910	PASS
	Extreme (25°C)		1850.146	1852.854	1850-1910	PASS
	Extreme (10°C)		1850.149	1852.851	1850-1910	PASS
	Extreme (0°C)		1850.146	1852.854	1850-1910	PASS
	Extreme (-10°C)		1850.148	1852.852	1850-1910	PASS
	Extreme (-25°C)		1850.145	1852.855	1850-1910	PASS
	Extreme (-30°C)		1850.146	1852.854	1850-1910	PASS
	25°C	LV	1850.146	1852.854	1850-1910	PASS
		HV	1850.146	1852.854	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1852.5	BANDWIDTH	5MHz	QPSK	QPSK	1850-1910	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.300	1854.700	1850-1910	PASS
	Extreme (40°C)		1850.286	1854.714	1850-1910	PASS
	Extreme (30°C)		1850.227	1854.773	1850-1910	PASS
	Extreme (25°C)		1850.215	1854.785	1850-1910	PASS
	Extreme (10°C)		1850.295	1854.705	1850-1910	PASS

	Extreme (0°C)		1850.212	1854.788	1850-1910	PASS
	Extreme (-10°C)		1850.296	1854.704	1850-1910	PASS
	Extreme (-25°C)		1850.235	1854.765	1850-1910	PASS
	Extreme (-30°C)		1850.201	1854.799	1850-1910	PASS
	25°C	LV	1850.281	1854.719	1850-1910	PASS
		HV	1850.233	1854.767	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1855	BANDWIDTH	10MHz	QPSK	QPSK		
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.607	1859.393	1850-1910	PASS
	Extreme (40°C)		1850.639	1859.361	1850-1910	PASS
	Extreme (30°C)		1850.619	1859.381	1850-1910	PASS
	Extreme (25°C)		1850.586	1859.414	1850-1910	PASS
	Extreme (10°C)		1850.572	1859.428	1850-1910	PASS
	Extreme (0°C)		1850.621	1859.379	1850-1910	PASS
	Extreme (-10°C)		1850.649	1859.351	1850-1910	PASS
	Extreme (-25°C)		1850.527	1859.473	1850-1910	PASS
	Extreme (-30°C)		1850.639	1859.361	1850-1910	PASS
	25°C	LV	1850.540	1859.460	1850-1910	PASS
		HV	1850.572	1859.428	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1857.5	BANDWIDTH	15MHz	QPSK	QPSK		
	Temperature	Voltage				
	Extreme (50°C)	NV	1850.787	1864.213	1850-1910	PASS
	Extreme (40°C)		1850.735	1864.265	1850-1910	PASS
	Extreme (30°C)		1850.784	1864.216	1850-1910	PASS
	Extreme (25°C)		1850.754	1864.246	1850-1910	PASS
	Extreme (10°C)		1850.789	1864.211	1850-1910	PASS
	Extreme (0°C)		1850.736	1864.264	1850-1910	PASS
	Extreme (-10°C)		1850.800	1864.200	1850-1910	PASS
	Extreme (-25°C)		1850.743	1864.257	1850-1910	PASS
	Extreme (-30°C)		1850.747	1864.253	1850-1910	PASS
	25°C	LV	1850.791	1864.209	1850-1910	PASS
		HV	1850.723	1864.277	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1860	BANDWIDTH	20MHz				

	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	1851.013	1868.987	1850-1910	PASS
	Extreme (40°C)		1851.031	1868.969	1850-1910	PASS
	Extreme (30°C)		1851.031	1868.969	1850-1910	PASS
	Extreme (25°C)		1851.015	1868.985	1850-1910	PASS
	Extreme (10°C)		1851.043	1868.957	1850-1910	PASS
	Extreme (0°C)		1851.036	1868.964	1850-1910	PASS
	Extreme (-10°C)		1851.025	1868.975	1850-1910	PASS
	Extreme (-25°C)		1851.009	1868.991	1850-1910	PASS
	Extreme (-30°C)		1851.012	1868.988	1850-1910	PASS
	25°C	LV	1851.038	1868.962	1850-1910	PASS
		HV	1851.050	1868.950	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 (50°C)	NV	1908.747	1909.853	1850-1910	PASS
	Extreme (40°C)		1908.746	1909.854	1850-1910	PASS
	Extreme (30°C)		1908.749	1909.851	1850-1910	PASS
	Extreme (25°C)		1908.749	1909.851	1850-1910	PASS
	Extreme (10°C)		1908.748	1909.852	1850-1910	PASS
	Extreme (0°C)		1908.747	1909.853	1850-1910	PASS
	Extreme (-10°C)		1908.750	1909.850	1850-1910	PASS
	Extreme (-25°C)		1908.748	1909.852	1850-1910	PASS
	Extreme (-30°C)		1908.746	1909.854	1850-1910	PASS
	25°C	LV	1908.750	1909.850	1850-1910	PASS
HV		1908.748	1909.852	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 (50°C)	NV	1907.148	1909.852	1850-1910	PASS
	Extreme (40°C)		1907.148	1909.852	1850-1910	PASS
	Extreme (30°C)		1907.147	1909.853	1850-1910	PASS
	Extreme (25°C)		1907.146	1909.854	1850-1910	PASS
	Extreme (10°C)		1907.148	1909.852	1850-1910	PASS
	Extreme (0°C)		1907.147	1909.853	1850-1910	PASS
	Extreme (-10°C)		1907.149	1909.851	1850-1910	PASS
	Extreme (-25°C)		1907.146	1909.854	1850-1910	PASS
	Extreme (-30°C)		1907.149	1909.851	1850-1910	PASS
	25°C	LV	1907.148	1909.852	1850-1910	PASS
HV		1907.149	1909.851	1850-1910	PASS	

LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1907.5	BANDWIDTH	5MHz	QPSK	QPSK	1850-1910	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1905.286	1909.714	1850-1910	PASS
	Extreme (40°C)		1905.270	1909.730	1850-1910	PASS
	Extreme (30°C)		1905.224	1909.776	1850-1910	PASS
	Extreme (25°C)		1905.274	1909.726	1850-1910	PASS
	Extreme (10°C)		1905.259	1909.741	1850-1910	PASS
	Extreme (0°C)		1905.255	1909.745	1850-1910	PASS
	Extreme (-10°C)		1905.290	1909.710	1850-1910	PASS
	Extreme (-25°C)		1905.225	1909.775	1850-1910	PASS
	Extreme (-30°C)		1905.265	1909.735	1850-1910	PASS
	25°C	LV	1905.284	1909.716	1850-1910	PASS
		HV	1905.298	1909.702	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1905	BANDWIDTH	10MHz	QPSK	QPSK	1850-1910	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1900.599	1909.401	1850-1910	PASS
	Extreme (40°C)		1900.517	1909.483	1850-1910	PASS
	Extreme (30°C)		1900.503	1909.497	1850-1910	PASS
	Extreme (25°C)		1900.636	1909.364	1850-1910	PASS
	Extreme (10°C)		1900.617	1909.383	1850-1910	PASS
	Extreme (0°C)		1900.600	1909.400	1850-1910	PASS
	Extreme (-10°C)		1900.604	1909.396	1850-1910	PASS
	Extreme (-25°C)		1900.636	1909.364	1850-1910	PASS
	Extreme (-30°C)		1900.538	1909.462	1850-1910	PASS
	25°C	LV	1900.565	1909.435	1850-1910	PASS
		HV	1900.547	1909.453	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1902.5	BANDWIDTH	15MHz	QPSK	QPSK	1850-1910	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1895.728	1909.272	1850-1910	PASS
	Extreme (40°C)		1895.743	1909.257	1850-1910	PASS
	Extreme (30°C)		1895.794	1909.206	1850-1910	PASS

	Extreme (25°C)		1895.722	1909.278	1850-1910	PASS
	Extreme (10°C)		1895.747	1909.253	1850-1910	PASS
	Extreme (0°C)		1895.770	1909.230	1850-1910	PASS
	Extreme (-10°C)		1895.791	1909.209	1850-1910	PASS
	Extreme (-25°C)		1895.755	1909.245	1850-1910	PASS
	Extreme (-30°C)		1895.714	1909.286	1850-1910	PASS
	25°C	LV	1895.720	1909.280	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	QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1890.916	1909.084	1850-1910	PASS
	Extreme (40°C)		1890.951	1909.049	1850-1910	PASS
	Extreme (30°C)		1890.922	1909.078	1850-1910	PASS
	Extreme (25°C)		1890.918	1909.082	1850-1910	PASS
	Extreme (10°C)		1890.940	1909.060	1850-1910	PASS
	Extreme (0°C)		1890.982	1909.018	1850-1910	PASS
	Extreme (-10°C)		1890.911	1909.089	1850-1910	PASS
	Extreme (-25°C)		1890.987	1909.013	1850-1910	PASS
	Extreme (-30°C)		1890.916	1909.084	1850-1910	PASS
	25°C	LV	1890.954	1909.046	1850-1910	PASS
		HV	1890.902	1909.098	1850-1910	PASS

LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1710.7	BANDWIDTH	1.4MHz	QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.148	1711.252	1710-1755	PASS
	Extreme (40°C)		1710.146	1711.254	1710-1755	PASS
	Extreme (30°C)		1710.146	1711.254	1710-1755	PASS
	Extreme (25°C)		1710.150	1711.250	1710-1755	PASS
	Extreme (10°C)		1710.146	1711.254	1710-1755	PASS
	Extreme (0°C)		1710.147	1711.253	1710-1755	PASS
	Extreme (-10°C)		1710.148	1711.252	1710-1755	PASS
	Extreme (-25°C)		1710.146	1711.254	1710-1755	PASS
	Extreme (-30°C)		1710.149	1711.251	1710-1755	PASS
	25°C	LV	1710.147	1711.253	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	QPSK	QPSK	1710-1755	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.147	1712.853	1710-1755	PASS
	Extreme (40°C)		1710.145	1712.855	1710-1755	PASS
	Extreme (30°C)		1710.147	1712.853	1710-1755	PASS
	Extreme (25°C)		1710.145	1712.855	1710-1755	PASS
	Extreme (10°C)		1710.147	1712.853	1710-1755	PASS
	Extreme (0°C)		1710.148	1712.852	1710-1755	PASS
	Extreme (-10°C)		1710.147	1712.853	1710-1755	PASS
	Extreme (-25°C)		1710.150	1712.850	1710-1755	PASS
	Extreme (-30°C)		1710.148	1712.852	1710-1755	PASS
	25°C	LV	1710.148	1712.852	1710-1755	PASS
		HV	1710.147	1712.853	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1712.5	BANDWIDTH	5MHz	QPSK	QPSK	1710-1755	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.291	1714.709	1710-1755	PASS
	Extreme (40°C)		1710.239	1714.761	1710-1755	PASS
	Extreme (30°C)		1710.296	1714.704	1710-1755	PASS
	Extreme (25°C)		1710.251	1714.749	1710-1755	PASS
	Extreme (10°C)		1710.238	1714.762	1710-1755	PASS
	Extreme (0°C)		1710.256	1714.744	1710-1755	PASS
	Extreme (-10°C)		1710.288	1714.712	1710-1755	PASS
	Extreme (-25°C)		1710.270	1714.730	1710-1755	PASS
	Extreme (-30°C)		1710.297	1714.703	1710-1755	PASS
	25°C	LV	1710.290	1714.710	1710-1755	PASS
		HV	1710.258	1714.742	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1715	BANDWIDTH	10MHz	QPSK	QPSK	1710-1755	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.611	1719.389	1710-1755	PASS
	Extreme (40°C)		1710.532	1719.468	1710-1755	PASS
	Extreme (30°C)		1710.552	1719.448	1710-1755	PASS

	Extreme (25°C)		1710.509	1719.491	1710-1755	PASS
	Extreme (10°C)		1710.627	1719.373	1710-1755	PASS
	Extreme (0°C)		1710.562	1719.438	1710-1755	PASS
	Extreme (-10°C)		1710.637	1719.363	1710-1755	PASS
	Extreme (-25°C)		1710.546	1719.454	1710-1755	PASS
	Extreme (-30°C)		1710.575	1719.425	1710-1755	PASS
	25°C	LV	1710.601	1719.399	1710-1755	PASS
		HV	1710.596	1719.404	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1717.5	BANDWIDTH	15MHz	QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.744	1724.256	1710-1755	PASS
	Extreme (40°C)		1710.741	1724.259	1710-1755	PASS
	Extreme (30°C)		1710.744	1724.256	1710-1755	PASS
	Extreme (25°C)		1710.703	1724.297	1710-1755	PASS
	Extreme (10°C)		1710.717	1724.283	1710-1755	PASS
	Extreme (0°C)		1710.743	1724.257	1710-1755	PASS
	Extreme (-10°C)		1710.764	1724.236	1710-1755	PASS
	Extreme (-25°C)		1710.730	1724.270	1710-1755	PASS
	Extreme (-30°C)		1710.706	1724.294	1710-1755	PASS
	25°C	LV	1710.800	1724.200	1710-1755	PASS
		HV	1710.799	1724.201	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1720	BANDWIDTH	20MHz	QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	1711.022	1728.978	1710-1755	PASS
	Extreme (40°C)		1711.020	1728.980	1710-1755	PASS
	Extreme (30°C)		1711.032	1728.968	1710-1755	PASS
	Extreme (25°C)		1711.008	1728.992	1710-1755	PASS
	Extreme (10°C)		1711.009	1728.991	1710-1755	PASS
	Extreme (0°C)		1711.045	1728.955	1710-1755	PASS
	Extreme (-10°C)		1711.007	1728.993	1710-1755	PASS
	Extreme (-25°C)		1711.013	1728.987	1710-1755	PASS
	Extreme (-30°C)		1711.038	1728.962	1710-1755	PASS
	25°C	LV	1711.049	1728.951	1710-1755	PASS
		HV	1711.017	1728.983	1710-1755	PASS
LTE B4	Condition		F Low	F High	Limit (MHz)	Verdict

Fc(MHz)			(MHz)	(MHz)		
1754.3	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	1753.747	1754.853	1710-1755	PASS
	Extreme (40°C)		1753.746	1754.854	1710-1755	PASS
	Extreme (30°C)		1753.746	1754.854	1710-1755	PASS
	Extreme (25°C)		1753.746	1754.854	1710-1755	PASS
	Extreme (10°C)		1753.745	1754.855	1710-1755	PASS
	Extreme (0°C)		1753.745	1754.855	1710-1755	PASS
	Extreme (-10°C)		1753.747	1754.853	1710-1755	PASS
	Extreme (-25°C)		1753.748	1754.852	1710-1755	PASS
	Extreme (-30°C)		1753.749	1754.851	1710-1755	PASS
	25°C	LV	1753.747	1754.853	1710-1755	PASS
		HV	1753.745	1754.855	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1753.5	BANDWIDTH	3MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	1752.147	1754.853	1710-1755	PASS
	Extreme (40°C)		1752.146	1754.854	1710-1755	PASS
	Extreme (30°C)		1752.145	1754.855	1710-1755	PASS
	Extreme (25°C)		1752.148	1754.852	1710-1755	PASS
	Extreme (10°C)		1752.145	1754.855	1710-1755	PASS
	Extreme (0°C)		1752.149	1754.851	1710-1755	PASS
	Extreme (-10°C)		1752.147	1754.853	1710-1755	PASS
	Extreme (-25°C)		1752.150	1754.850	1710-1755	PASS
	Extreme (-30°C)		1752.145	1754.855	1710-1755	PASS
	25°C	LV	1752.149	1754.851	1710-1755	PASS
		HV	1752.150	1754.850	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1752.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	1750.294	1754.706	1710-1755	PASS
	Extreme (40°C)		1750.270	1754.730	1710-1755	PASS
	Extreme (30°C)		1750.258	1754.742	1710-1755	PASS
	Extreme (25°C)		1750.278	1754.722	1710-1755	PASS
	Extreme (10°C)		1750.247	1754.753	1710-1755	PASS
	Extreme (0°C)		1750.296	1754.704	1710-1755	PASS
	Extreme (-10°C)		1750.280	1754.720	1710-1755	PASS
	Extreme (-25°C)		1750.235	1754.765	1710-1755	PASS

	Extreme (-30°C)		1750.271	1754.729	1710-1755	PASS
	25°C	LV	1750.241	1754.759	1710-1755	PASS
		HV	1750.298	1754.702	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 (50°C)	NV	1745.505	1754.495	1710-1755	PASS
	Extreme (40°C)		1745.574	1754.426	1710-1755	PASS
	Extreme (30°C)		1745.604	1754.396	1710-1755	PASS
	Extreme (25°C)		1745.519	1754.481	1710-1755	PASS
	Extreme (10°C)		1745.548	1754.452	1710-1755	PASS
	Extreme (0°C)		1745.500	1754.500	1710-1755	PASS
	Extreme (-10°C)		1745.531	1754.469	1710-1755	PASS
	Extreme (-25°C)		1745.545	1754.455	1710-1755	PASS
	Extreme (-30°C)		1745.544	1754.456	1710-1755	PASS
	25°C	LV	1745.645	1754.355	1710-1755	PASS
		HV	1745.584	1754.416	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1747.5	BANDWIDTH	15MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	1740.743	1754.257	1710-1755	PASS
	Extreme (40°C)		1740.793	1754.207	1710-1755	PASS
	Extreme (30°C)		1740.741	1754.259	1710-1755	PASS
	Extreme (25°C)		1740.790	1754.210	1710-1755	PASS
	Extreme (10°C)		1740.714	1754.286	1710-1755	PASS
	Extreme (0°C)		1740.774	1754.226	1710-1755	PASS
	Extreme (-10°C)		1740.763	1754.237	1710-1755	PASS
	Extreme (-25°C)		1740.711	1754.289	1710-1755	PASS
	Extreme (-30°C)		1740.723	1754.277	1710-1755	PASS
	25°C	LV	1740.750	1754.250	1710-1755	PASS
		HV	1740.711	1754.289	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1745	BANDWIDTH	20MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	1735.906	1754.094	1710-1755	PASS
	Extreme (40°C)		1735.916	1754.084	1710-1755	PASS
	Extreme (30°C)		1735.961	1754.039	1710-1755	PASS
	Extreme (25°C)		1735.911	1754.089	1710-1755	PASS

	Extreme (10°C)		1735.950	1754.050	1710-1755	PASS
	Extreme (0°C)		1735.933	1754.067	1710-1755	PASS
	Extreme (-10°C)		1735.940	1754.060	1710-1755	PASS
	Extreme (-25°C)		1735.957	1754.043	1710-1755	PASS
	Extreme (-30°C)		1735.940	1754.060	1710-1755	PASS
	25°C	LV	1735.980	1754.020	1710-1755	PASS
		HV	1735.933	1754.067	1710-1755	PASS

LTE B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	1.4MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	8.03	0.00960
	Extreme (40°C)		4.48	0.00536
	Extreme (30°C)		13.52	0.01616
	Extreme (20°C)		12.78	0.01528
	Extreme (10°C)		17.20	0.02056
	Extreme (0°C)		7.31	0.00874
	Extreme (-10°C)		10.05	0.01202
	Extreme (-20°C)		7.87	0.00940
	Extreme (-30°C)		10.03	0.01199
	25°C	LV	14.16	0.01693
		HV	15.30	0.01830
LTE B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	3MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	1.14	0.00136
	Extreme (40°C)		11.03	0.01318
	Extreme (30°C)		9.95	0.01189
	Extreme (20°C)		6.59	0.00788
	Extreme (10°C)		7.94	0.00949
	Extreme (0°C)		7.26	0.00868
	Extreme (-10°C)		16.21	0.01938
	Extreme (-20°C)		11.08	0.01324
	Extreme (-30°C)		17.91	0.02141
	25°C	LV	14.91	0.01782
		HV	10.09	0.01206
LTE B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	5MHz		

	Temperature	Voltage	QPSK	QPSK
	Extreme（50℃）	NV	8.32	0.00995
	Extreme（40℃）		3.63	0.00434
	Extreme（30℃）		13.41	0.01603
	Extreme（20℃）		2.74	0.00328
	Extreme（10℃）		15.66	0.01872
	Extreme（0℃）		10.79	0.01289
	Extreme（-10℃）		5.18	0.00619
	Extreme（-20℃）		11.95	0.01429
	Extreme（-30℃）		15.39	0.01840
	25℃	LV	1.49	0.00178
		HV	15.04	0.01798
LTE B5	Condition		Freq.Error （Hz）	Frequency Stability（ppm）
	BANDWIDTH	10MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme（50℃）	NV	9.74	0.01165
	Extreme（40℃）		14.12	0.01688
	Extreme（30℃）		3.98	0.00476
	Extreme（20℃）		11.40	0.01363
	Extreme（10℃）		3.06	0.00366
	Extreme（0℃）		13.27	0.01586
	Extreme（-10℃）		7.58	0.00906
	Extreme（-20℃）		9.65	0.01153
	Extreme（-30℃）		7.87	0.00941
	25℃	LV	1.67	0.00200
		HV	4.88	0.00584

LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2502.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2500.289	2504.711	2500-2570	PASS
	Extreme (40℃)		2500.223	2504.777	2500-2570	PASS
	Extreme (30℃)		2500.244	2504.756	2500-2570	PASS
	Extreme (25℃)		2500.252	2504.748	2500-2570	PASS
	Extreme (10℃)		2500.253	2504.747	2500-2570	PASS
	Extreme (0℃)		2500.229	2504.771	2500-2570	PASS
	Extreme (-10℃)		2500.299	2504.701	2500-2570	PASS
	Extreme (-25℃)		2500.240	2504.760	2500-2570	PASS
	Extreme (-30℃)		2500.266	2504.734	2500-2570	PASS

	25℃	LV	2500.297	2504.703	2500-2570	PASS
		HV	2500.288	2504.712	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2505	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2500.598	2509.402	2500-2570	PASS
	Extreme (40℃)		2500.636	2509.364	2500-2570	PASS
	Extreme (30℃)		2500.594	2509.406	2500-2570	PASS
	Extreme (25℃)		2500.609	2509.391	2500-2570	PASS
	Extreme (10℃)		2500.550	2509.450	2500-2570	PASS
	Extreme (0℃)		2500.578	2509.422	2500-2570	PASS
	Extreme (-10℃)		2500.623	2509.377	2500-2570	PASS
	Extreme (-25℃)		2500.589	2509.411	2500-2570	PASS
	Extreme (-30℃)		2500.579	2509.421	2500-2570	PASS
	25℃	LV	2500.535	2509.465	2500-2570	PASS
		HV	2500.574	2509.426	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2507.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2500.797	2514.203	2500-2570	PASS
	Extreme (40℃)		2500.796	2514.204	2500-2570	PASS
	Extreme (30℃)		2500.787	2514.213	2500-2570	PASS
	Extreme (25℃)		2500.776	2514.224	2500-2570	PASS
	Extreme (10℃)		2500.721	2514.279	2500-2570	PASS
	Extreme (0℃)		2500.754	2514.246	2500-2570	PASS
	Extreme (-10℃)		2500.716	2514.284	2500-2570	PASS
	Extreme (-25℃)		2500.775	2514.225	2500-2570	PASS
	Extreme (-30℃)		2500.792	2514.208	2500-2570	PASS
	25℃	LV	2500.735	2514.265	2500-2570	PASS
		HV	2500.780	2514.220	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2510	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2501.045	2518.955	2500-2570	PASS
	Extreme (40℃)		2501.050	2518.950	2500-2570	PASS
	Extreme (30℃)		2501.028	2518.972	2500-2570	PASS
	Extreme (25℃)		2501.027	2518.973	2500-2570	PASS
	Extreme (10℃)		2501.021	2518.979	2500-2570	PASS

	Extreme (0°C)		2501.035	2518.965	2500-2570	PASS
	Extreme (-10°C)		2501.000	2519.000	2500-2570	PASS
	Extreme (-25°C)		2501.028	2518.972	2500-2570	PASS
	Extreme (-30°C)		2501.028	2518.972	2500-2570	PASS
	25°C	LV	2501.035	2518.965	2500-2570	PASS
		HV	2501.021	2518.979	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2567.5	BANDWIDTH	5MHz	QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	2565.226	2569.774	2500-2570	PASS
	Extreme (40°C)		2565.269	2569.731	2500-2570	PASS
	Extreme (30°C)		2565.277	2569.723	2500-2570	PASS
	Extreme (25°C)		2565.283	2569.717	2500-2570	PASS
	Extreme (10°C)		2565.292	2569.708	2500-2570	PASS
	Extreme (0°C)		2565.292	2569.708	2500-2570	PASS
	Extreme (-10°C)		2565.286	2569.714	2500-2570	PASS
	Extreme (-25°C)		2565.275	2569.725	2500-2570	PASS
	Extreme (-30°C)		2565.237	2569.763	2500-2570	PASS
	25°C	LV	2565.291	2569.709	2500-2570	PASS
		HV	2565.285	2569.715	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2565	BANDWIDTH	10MHz	QPSK			
	Temperature	Voltage				
	Extreme (50°C)	NV	2560.637	2569.363	2500-2570	PASS
	Extreme (40°C)		2560.589	2569.411	2500-2570	PASS
	Extreme (30°C)		2560.541	2569.459	2500-2570	PASS
	Extreme (25°C)		2560.622	2569.378	2500-2570	PASS
	Extreme (10°C)		2560.635	2569.365	2500-2570	PASS
	Extreme (0°C)		2560.526	2569.474	2500-2570	PASS
	Extreme (-10°C)		2560.543	2569.457	2500-2570	PASS
	Extreme (-25°C)		2560.611	2569.389	2500-2570	PASS
	Extreme (-30°C)		2560.592	2569.408	2500-2570	PASS
	25°C	LV	2560.547	2569.453	2500-2570	PASS
		HV	2560.535	2569.465	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 (50°C)	NV	2555.721	2569.279	2500-2570	PASS
	Extreme (40°C)		2555.726	2569.274	2500-2570	PASS
	Extreme (30°C)		2555.790	2569.210	2500-2570	PASS
	Extreme (25°C)		2555.762	2569.238	2500-2570	PASS
	Extreme (10°C)		2555.722	2569.278	2500-2570	PASS
	Extreme (0°C)		2555.727	2569.273	2500-2570	PASS
	Extreme (-10°C)		2555.771	2569.229	2500-2570	PASS
	Extreme (-25°C)		2555.755	2569.245	2500-2570	PASS
	Extreme (-30°C)		2555.784	2569.216	2500-2570	PASS
	25°C	LV	2555.783	2569.217	2500-2570	PASS
		HV	2555.779	2569.221	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2560	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	2550.983	2569.017	2500-2570	PASS
	Extreme (40°C)		2550.950	2569.050	2500-2570	PASS
	Extreme (30°C)		2550.958	2569.042	2500-2570	PASS
	Extreme (25°C)		2550.963	2569.037	2500-2570	PASS
	Extreme (10°C)		2550.989	2569.011	2500-2570	PASS
	Extreme (0°C)		2550.969	2569.031	2500-2570	PASS
	Extreme (-10°C)		2550.966	2569.034	2500-2570	PASS
	Extreme (-25°C)		2550.926	2569.074	2500-2570	PASS
	Extreme (-30°C)		2550.971	2569.029	2500-2570	PASS
	25°C	LV	2550.917	2569.083	2500-2570	PASS
		HV	2550.967	2569.033	2500-2570	PASS

LTE B13 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
779.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	777.293	781.707	777-787	PASS
	Extreme (40°C)		777.233	781.767	777-787	PASS
	Extreme (30°C)		777.275	781.725	777-787	PASS
	Extreme (25°C)		777.263	781.737	777-787	PASS
	Extreme (10°C)		777.261	781.739	777-787	PASS
	Extreme (0°C)		777.275	781.725	777-787	PASS
	Extreme (-10°C)		777.215	781.785	777-787	PASS
	Extreme (-25°C)		777.266	781.734	777-787	PASS

	Extreme (-30°C)		777.202	781.798	777-787	PASS
	25°C	LV	777.278	781.722	777-787	PASS
		HV	777.253	781.747	777-787	PASS
LTE B13 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
782	BANDWIDTH	10MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	777.544	786.456	777-787	PASS
	Extreme (40°C)		777.532	786.468	777-787	PASS
	Extreme (30°C)		777.524	786.476	777-787	PASS
	Extreme (25°C)		777.534	786.466	777-787	PASS
	Extreme (10°C)		777.520	786.480	777-787	PASS
	Extreme (0°C)		777.578	786.422	777-787	PASS
	Extreme (-10°C)		777.539	786.461	777-787	PASS
	Extreme (-25°C)		777.528	786.472	777-787	PASS
	Extreme (-30°C)		777.535	786.465	777-787	PASS
	25°C	LV	777.599	786.401	777-787	PASS
		HV	777.585	786.415	777-787	PASS
LTE B13 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
784.5	BANDWIDTH	5MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	782.281	786.719	777-787	PASS
	Extreme (40°C)		782.277	786.723	777-787	PASS
	Extreme (30°C)		782.281	786.719	777-787	PASS
	Extreme (25°C)		782.205	786.795	777-787	PASS
	Extreme (10°C)		782.264	786.736	777-787	PASS
	Extreme (0°C)		782.203	786.797	777-787	PASS
	Extreme (-10°C)		782.299	786.701	777-787	PASS
	Extreme (-25°C)		782.249	786.751	777-787	PASS
	Extreme (-30°C)		782.209	786.791	777-787	PASS
	25°C	LV	782.208	786.792	777-787	PASS
		HV	782.284	786.716	777-787	PASS

LTE B26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	1.4MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	15.65	0.01871
	Extreme (40°C)		9.87	0.01179
	Extreme (30°C)		11.47	0.01371

	Extreme (20°C)		12.10	0.01447
	Extreme (10°C)		4.09	0.00489
	Extreme (0°C)		6.40	0.00765
	Extreme (-10°C)		17.11	0.02045
	Extreme (-20°C)		1.76	0.00210
	Extreme (-30°C)		10.40	0.01243
	25°C	LV	7.86	0.00940
		HV	8.16	0.00975
LTE B26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	3MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	12.55	0.01500
	Extreme (40°C)		15.66	0.01871
	Extreme (30°C)		12.64	0.01512
	Extreme (20°C)		17.92	0.02143
	Extreme (10°C)		1.08	0.00129
	Extreme (0°C)		4.48	0.00535
	Extreme (-10°C)		14.48	0.01731
	Extreme (-20°C)		1.80	0.00215
	Extreme (-30°C)		16.02	0.01915
	25°C	LV	5.21	0.00623
		HV	13.02	0.01556
LTE B26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	5MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	8.29	0.00991
	Extreme (40°C)		4.69	0.00561
	Extreme (30°C)		14.34	0.01714
	Extreme (20°C)		2.24	0.00267
	Extreme (10°C)		8.92	0.01067
	Extreme (0°C)		10.05	0.01201
	Extreme (-10°C)		7.07	0.00846
	Extreme (-20°C)		16.62	0.01987
	Extreme (-30°C)		4.43	0.00530
	25°C	LV	5.36	0.00641
		HV	6.23	0.00744
LTE B26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	10MHz		

	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	4.72	0.00564
	Extreme (40°C)		13.57	0.01622
	Extreme (30°C)		3.99	0.00477
	Extreme (20°C)		10.40	0.01243
	Extreme (10°C)		4.36	0.00522
	Extreme (0°C)		17.22	0.02058
	Extreme (-10°C)		10.62	0.01269
	Extreme (-20°C)		1.57	0.00187
	Extreme (-30°C)		13.72	0.01640
	25°C	LV	14.60	0.01746
		HV	6.40	0.00765
LTE B26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	15MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	2.99	0.00358
	Extreme (40°C)		5.25	0.00627
	Extreme (30°C)		4.44	0.00531
	Extreme (20°C)		8.55	0.01022
	Extreme (10°C)		14.19	0.01696
	Extreme (0°C)		14.92	0.01784
	Extreme (-10°C)		16.75	0.02002
	Extreme (-20°C)		7.32	0.00875
	Extreme (-30°C)		13.69	0.01636
	25°C	LV	17.60	0.02104
		HV	6.82	0.00815

LTE B26 (814-824)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	1.4MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	7.75	0.00947
	Extreme (40°C)		13.47	0.01644
	Extreme (30°C)		16.05	0.01959
	Extreme (20°C)		11.87	0.01449
	Extreme (10°C)		1.33	0.00162
	Extreme (0°C)		17.66	0.02156
	Extreme (-10°C)		15.15	0.01850
	Extreme (-20°C)		8.30	0.01014
	Extreme (-30°C)		2.36	0.00288
	25°C	LV	4.49	0.00548

		HV	11.01	0.01344
LTE B26 (814-824)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	3MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	10.58	0.01292
	Extreme (40°C)		2.73	0.00333
	Extreme (30°C)		15.52	0.01895
	Extreme (20°C)		6.54	0.00799
	Extreme (10°C)		2.08	0.00254
	Extreme (0°C)		16.11	0.01967
	Extreme (-10°C)		7.30	0.00891
	Extreme (-20°C)		7.75	0.00946
	Extreme (-30°C)		11.25	0.01373
	25°C	LV	11.90	0.01453
		HV	2.24	0.00274
LTE B26 (814-824)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	5MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	2.39	0.00292
	Extreme (40°C)		13.43	0.01640
	Extreme (30°C)		2.99	0.00365
	Extreme (20°C)		15.55	0.01899
	Extreme (10°C)		5.95	0.00727
	Extreme (0°C)		16.68	0.02036
	Extreme (-10°C)		2.33	0.00285
	Extreme (-20°C)		17.52	0.02139
	Extreme (-30°C)		9.60	0.01172
	25°C	LV	17.99	0.02196
		HV	7.09	0.00866
LTE B26 (814-824)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)
	BANDWIDTH	10MHz		
	Temperature	Voltage	QPSK	QPSK
	Extreme (50°C)	NV	11.35	0.01386
	Extreme (40°C)		1.90	0.00232
	Extreme (30°C)		15.11	0.01845
	Extreme (20°C)		14.61	0.01784
	Extreme (10°C)		10.34	0.01263
	Extreme (0°C)		3.66	0.00447

	Extreme (-10°C)		15.79	0.01928
	Extreme (-20°C)		2.87	0.00350
	Extreme (-30°C)		2.71	0.00331
	25°C	LV	16.64	0.02032
		HV	2.05	0.00250

LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2572.5	BANDWIDTH	5MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	2570.247	2574.753	2570-2620	PASS
	Extreme (40°C)		2570.206	2574.794	2570-2620	PASS
	Extreme (30°C)		2570.220	2574.780	2570-2620	PASS
	Extreme (25°C)		2570.270	2574.730	2570-2620	PASS
	Extreme (10°C)		2570.293	2574.707	2570-2620	PASS
	Extreme (0°C)		2570.223	2574.777	2570-2620	PASS
	Extreme (-10°C)		2570.229	2574.771	2570-2620	PASS
	Extreme (-25°C)		2570.214	2574.786	2570-2620	PASS
	Extreme (-30°C)		2570.269	2574.731	2570-2620	PASS
	25°C	LV	2570.280	2574.720	2570-2620	PASS
		HV	2570.238	2574.762	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2575	BANDWIDTH	10MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	2570.630	2579.370	2570-2620	PASS
	Extreme (40°C)		2570.610	2579.390	2570-2620	PASS
	Extreme (30°C)		2570.522	2579.478	2570-2620	PASS
	Extreme (25°C)		2570.645	2579.355	2570-2620	PASS
	Extreme (10°C)		2570.521	2579.479	2570-2620	PASS
	Extreme (0°C)		2570.577	2579.423	2570-2620	PASS
	Extreme (-10°C)		2570.559	2579.441	2570-2620	PASS
	Extreme (-25°C)		2570.601	2579.399	2570-2620	PASS
	Extreme (-30°C)		2570.515	2579.485	2570-2620	PASS
	25°C	LV	2570.527	2579.473	2570-2620	PASS
		HV	2570.637	2579.363	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2577.5	BANDWIDTH	15MHz				
	Temperature	Voltage				
	Extreme (50°C)	NV	2570.708	2584.292	2570-2620	PASS

	Extreme (40°C)		2570.718	2584.282	2570-2620	PASS
	Extreme (30°C)		2570.799	2584.201	2570-2620	PASS
	Extreme (25°C)		2570.738	2584.262	2570-2620	PASS
	Extreme (10°C)		2570.779	2584.221	2570-2620	PASS
	Extreme (0°C)		2570.755	2584.245	2570-2620	PASS
	Extreme (-10°C)		2570.773	2584.227	2570-2620	PASS
	Extreme (-25°C)		2570.709	2584.291	2570-2620	PASS
	Extreme (-30°C)		2570.724	2584.276	2570-2620	PASS
	25°C	LV	2570.751	2584.249	2570-2620	PASS
		HV	2570.781	2584.219	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2580	BANDWIDTH	20MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	2571.034	2588.966	2570-2620	PASS
	Extreme (40°C)		2571.003	2588.997	2570-2620	PASS
	Extreme (30°C)		2571.011	2588.989	2570-2620	PASS
	Extreme (25°C)		2571.000	2589.000	2570-2620	PASS
	Extreme (10°C)		2571.007	2588.993	2570-2620	PASS
	Extreme (0°C)		2571.006	2588.994	2570-2620	PASS
	Extreme (-10°C)		2571.037	2588.963	2570-2620	PASS
	Extreme (-25°C)		2571.021	2588.979	2570-2620	PASS
	Extreme (-30°C)		2571.031	2588.969	2570-2620	PASS
	25°C	LV	2571.003	2588.997	2570-2620	PASS
		HV	2571.037	2588.963	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2617.5	BANDWIDTH	5MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	2615.291	2619.709	2570-2620	PASS
	Extreme (40°C)		2615.244	2619.756	2570-2620	PASS
	Extreme (30°C)		2615.251	2619.749	2570-2620	PASS
	Extreme (25°C)		2615.260	2619.740	2570-2620	PASS
	Extreme (10°C)		2615.267	2619.733	2570-2620	PASS
	Extreme (0°C)		2615.238	2619.762	2570-2620	PASS
	Extreme (-10°C)		2615.260	2619.740	2570-2620	PASS
	Extreme (-25°C)		2615.270	2619.730	2570-2620	PASS
	Extreme (-30°C)		2615.282	2619.718	2570-2620	PASS
	25°C	LV	2615.270	2619.730	2570-2620	PASS
		HV	2615.235	2619.765	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

2615	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	2610.524	2619.476	2570-2620	PASS
	Extreme (40°C)		2610.583	2619.417	2570-2620	PASS
	Extreme (30°C)		2610.520	2619.480	2570-2620	PASS
	Extreme (25°C)		2610.507	2619.493	2570-2620	PASS
	Extreme (10°C)		2610.564	2619.436	2570-2620	PASS
	Extreme (0°C)		2610.615	2619.385	2570-2620	PASS
	Extreme (-10°C)		2610.628	2619.372	2570-2620	PASS
	Extreme (-25°C)		2610.610	2619.390	2570-2620	PASS
	Extreme (-30°C)		2610.591	2619.409	2570-2620	PASS
	25°C	LV	2610.568	2619.432	2570-2620	PASS
		HV	2610.580	2619.420	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 (50°C)	NV	2605.787	2619.213	2570-2620	PASS
	Extreme (40°C)		2605.702	2619.298	2570-2620	PASS
	Extreme (30°C)		2605.770	2619.230	2570-2620	PASS
	Extreme (25°C)		2605.776	2619.224	2570-2620	PASS
	Extreme (10°C)		2605.730	2619.270	2570-2620	PASS
	Extreme (0°C)		2605.771	2619.229	2570-2620	PASS
	Extreme (-10°C)		2605.719	2619.281	2570-2620	PASS
	Extreme (-25°C)		2605.707	2619.293	2570-2620	PASS
	Extreme (-30°C)		2605.739	2619.261	2570-2620	PASS
	25°C	LV	2605.704	2619.296	2570-2620	PASS
		HV	2605.784	2619.216	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2610	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	2600.919	2619.081	2570-2620	PASS
	Extreme (40°C)		2600.941	2619.059	2570-2620	PASS
	Extreme (30°C)		2600.985	2619.015	2570-2620	PASS
	Extreme (25°C)		2600.901	2619.099	2570-2620	PASS
	Extreme (10°C)		2600.991	2619.009	2570-2620	PASS
	Extreme (0°C)		2600.963	2619.037	2570-2620	PASS
	Extreme (-10°C)		2600.945	2619.055	2570-2620	PASS
	Extreme (-25°C)		2600.979	2619.021	2570-2620	PASS
	Extreme (-30°C)		2600.972	2619.028	2570-2620	PASS

	25°C	LV	2600.913	2619.087	2570-2620	PASS
		HV	2600.921	2619.079	2570-2620	PASS

LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1710.7	BANDWIDTH	1.4MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.148	1711.252	1710-1780	PASS
	Extreme (40°C)		1710.149	1711.251	1710-1780	PASS
	Extreme (30°C)		1710.147	1711.253	1710-1780	PASS
	Extreme (25°C)		1710.145	1711.255	1710-1780	PASS
	Extreme (10°C)		1710.149	1711.251	1710-1780	PASS
	Extreme (0°C)		1710.146	1711.254	1710-1780	PASS
	Extreme (-10°C)		1710.149	1711.251	1710-1780	PASS
	Extreme (-25°C)		1710.149	1711.251	1710-1780	PASS
	Extreme (-30°C)		1710.146	1711.254	1710-1780	PASS
	25°C	LV	1710.146	1711.254	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	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.146	1712.854	1710-1780	PASS
	Extreme (40°C)		1710.150	1712.850	1710-1780	PASS
	Extreme (30°C)		1710.150	1712.850	1710-1780	PASS
	Extreme (25°C)		1710.147	1712.853	1710-1780	PASS
	Extreme (10°C)		1710.146	1712.854	1710-1780	PASS
	Extreme (0°C)		1710.146	1712.854	1710-1780	PASS
	Extreme (-10°C)		1710.148	1712.852	1710-1780	PASS
	Extreme (-25°C)		1710.145	1712.855	1710-1780	PASS
	Extreme (-30°C)		1710.149	1712.851	1710-1780	PASS
	25°C	LV	1710.146	1712.854	1710-1780	PASS
		HV	1710.145	1712.855	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1712.5	BANDWIDTH	5MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.270	1714.730	1710-1780	PASS
	Extreme (40°C)		1710.280	1714.720	1710-1780	PASS
	Extreme (30°C)		1710.277	1714.723	1710-1780	PASS
	Extreme (25°C)		1710.295	1714.705	1710-1780	PASS

	Extreme (10°C)		1710.299	1714.701	1710-1780	PASS
	Extreme (0°C)		1710.214	1714.786	1710-1780	PASS
	Extreme (-10°C)		1710.258	1714.742	1710-1780	PASS
	Extreme (-25°C)		1710.219	1714.781	1710-1780	PASS
	Extreme (-30°C)		1710.294	1714.706	1710-1780	PASS
	25°C	LV	1710.230	1714.770	1710-1780	PASS
		HV	1710.251	1714.749	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1715	BANDWIDTH	10MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.619	1719.381	1710-1780	PASS
	Extreme (40°C)		1710.592	1719.408	1710-1780	PASS
	Extreme (30°C)		1710.522	1719.478	1710-1780	PASS
	Extreme (25°C)		1710.541	1719.459	1710-1780	PASS
	Extreme (10°C)		1710.576	1719.424	1710-1780	PASS
	Extreme (0°C)		1710.525	1719.475	1710-1780	PASS
	Extreme (-10°C)		1710.621	1719.379	1710-1780	PASS
	Extreme (-25°C)		1710.631	1719.369	1710-1780	PASS
	Extreme (-30°C)		1710.532	1719.468	1710-1780	PASS
	25°C	LV	1710.558	1719.442	1710-1780	PASS
		HV	1710.628	1719.372	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1717.5	BANDWIDTH	15MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50°C)	NV	1710.773	1724.227	1710-1780	PASS
	Extreme (40°C)		1710.768	1724.232	1710-1780	PASS
	Extreme (30°C)		1710.770	1724.230	1710-1780	PASS
	Extreme (25°C)		1710.769	1724.231	1710-1780	PASS
	Extreme (10°C)		1710.741	1724.259	1710-1780	PASS
	Extreme (0°C)		1710.727	1724.273	1710-1780	PASS
	Extreme (-10°C)		1710.753	1724.247	1710-1780	PASS
	Extreme (-25°C)		1710.766	1724.234	1710-1780	PASS
	Extreme (-30°C)		1710.790	1724.210	1710-1780	PASS
	25°C	LV	1710.769	1724.231	1710-1780	PASS
		HV	1710.734	1724.266	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1720	BANDWIDTH	20MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				

	Extreme (50°C)	NV	1711.023	1728.977	1710-1780	PASS
	Extreme (40°C)		1711.012	1728.988	1710-1780	PASS
	Extreme (30°C)		1711.029	1728.971	1710-1780	PASS
	Extreme (25°C)		1711.025	1728.975	1710-1780	PASS
	Extreme (10°C)		1711.028	1728.972	1710-1780	PASS
	Extreme (0°C)		1711.037	1728.963	1710-1780	PASS
	Extreme (-10°C)		1711.036	1728.964	1710-1780	PASS
	Extreme (-25°C)		1711.020	1728.980	1710-1780	PASS
	Extreme (-30°C)		1711.009	1728.991	1710-1780	PASS
	25°C	LV	1711.038	1728.962	1710-1780	PASS
	HV	1711.034	1728.966	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 (50°C)	NV	1778.750	1779.850	1710-1780	PASS
	Extreme (40°C)		1778.749	1779.851	1710-1780	PASS
	Extreme (30°C)		1778.749	1779.851	1710-1780	PASS
	Extreme (25°C)		1778.746	1779.854	1710-1780	PASS
	Extreme (10°C)		1778.749	1779.851	1710-1780	PASS
	Extreme (0°C)		1778.746	1779.854	1710-1780	PASS
	Extreme (-10°C)		1778.747	1779.853	1710-1780	PASS
	Extreme (-25°C)		1778.746	1779.854	1710-1780	PASS
	Extreme (-30°C)		1778.747	1779.853	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 (50°C)	NV	1777.149	1779.851	1710-1780	PASS
	Extreme (40°C)		1777.147	1779.853	1710-1780	PASS
	Extreme (30°C)		1777.146	1779.854	1710-1780	PASS
	Extreme (25°C)		1777.147	1779.853	1710-1780	PASS
	Extreme (10°C)		1777.145	1779.855	1710-1780	PASS
	Extreme (0°C)		1777.147	1779.853	1710-1780	PASS
	Extreme (-10°C)		1777.145	1779.855	1710-1780	PASS
	Extreme (-25°C)		1777.150	1779.850	1710-1780	PASS
	Extreme (-30°C)		1777.146	1779.854	1710-1780	PASS
	25°C	LV	1777.149	1779.851	1710-1780	PASS
	HV	1777.147	1779.853	1710-1780	PASS	
LTE B66	Condition		F Low	F High	Limit (MHz)	Verdict

Fc(MHz)			(MHz)	(MHz)		
1777.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	1775.237	1779.763	1710-1780	PASS
	Extreme (40°C)		1775.227	1779.773	1710-1780	PASS
	Extreme (30°C)		1775.298	1779.702	1710-1780	PASS
	Extreme (25°C)		1775.288	1779.712	1710-1780	PASS
	Extreme (10°C)		1775.236	1779.764	1710-1780	PASS
	Extreme (0°C)		1775.280	1779.720	1710-1780	PASS
	Extreme (-10°C)		1775.209	1779.791	1710-1780	PASS
	Extreme (-25°C)		1775.296	1779.704	1710-1780	PASS
	Extreme (-30°C)		1775.297	1779.703	1710-1780	PASS
	25°C	LV	1775.258	1779.742	1710-1780	PASS
		HV	1775.221	1779.779	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1775	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	1770.552	1779.448	1710-1780	PASS
	Extreme (40°C)		1770.607	1779.393	1710-1780	PASS
	Extreme (30°C)		1770.635	1779.365	1710-1780	PASS
	Extreme (25°C)		1770.519	1779.481	1710-1780	PASS
	Extreme (10°C)		1770.511	1779.489	1710-1780	PASS
	Extreme (0°C)		1770.608	1779.392	1710-1780	PASS
	Extreme (-10°C)		1770.577	1779.423	1710-1780	PASS
	Extreme (-25°C)		1770.603	1779.397	1710-1780	PASS
	Extreme (-30°C)		1770.624	1779.376	1710-1780	PASS
	25°C	LV	1770.526	1779.474	1710-1780	PASS
		HV	1770.617	1779.383	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 (50°C)	NV	1765.771	1779.229	1710-1780	PASS
	Extreme (40°C)		1765.708	1779.292	1710-1780	PASS
	Extreme (30°C)		1765.711	1779.289	1710-1780	PASS
	Extreme (25°C)		1765.766	1779.234	1710-1780	PASS
	Extreme (10°C)		1765.736	1779.264	1710-1780	PASS
	Extreme (0°C)		1765.700	1779.300	1710-1780	PASS
	Extreme (-10°C)		1765.721	1779.279	1710-1780	PASS
	Extreme (-25°C)		1765.779	1779.221	1710-1780	PASS

	Extreme (-30℃)		1765.767	1779.233	1710-1780	PASS
	25℃	LV	1765.704	1779.296	1710-1780	PASS
		HV	1765.742	1779.258	1710-1780	PASS
LTE B66 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1770	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1760.992	1779.008	1710-1780	PASS
	Extreme (40℃)		1760.992	1779.008	1710-1780	PASS
	Extreme (30℃)		1760.994	1779.006	1710-1780	PASS
	Extreme (25℃)		1760.995	1779.005	1710-1780	PASS
	Extreme (10℃)		1760.953	1779.047	1710-1780	PASS
	Extreme (0℃)		1760.989	1779.011	1710-1780	PASS
	Extreme (-10℃)		1760.968	1779.032	1710-1780	PASS
	Extreme (-25℃)		1760.949	1779.051	1710-1780	PASS
	Extreme (-30℃)		1760.901	1779.099	1710-1780	PASS
	25℃	LV	1760.932	1779.068	1710-1780	PASS
		HV	1760.981	1779.019	1710-1780	PASS