

Frequency Stability

Original

GSM850	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Temperature	Voltage	GMSK	GMSK	
	Extreme(50°C)	NV	8.07	0.00964	PASS
	Extreme(40°C)		3.00	0.00359	PASS
	Extreme(30°C)		8.45	0.01010	PASS
	Extreme(20°C)		5.22	0.00624	PASS
	Extreme(10°C)		14.52	0.01736	PASS
	Extreme(0°C)		16.47	0.01968	PASS
	Extreme(-10°C)		8.93	0.01067	PASS
	Extreme(-20°C)		17.07	0.02040	PASS
	Extreme(-30°C)		6.58	0.00787	PASS
	25°C	LV	9.33	0.01115	PASS
		HV	8.61	0.01029	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	1850.067	1850.333	1850-1910	PASS
	Extreme(40°C)		1850.062	1850.338	1850-1910	PASS
	Extreme(30°C)		1850.074	1850.326	1850-1910	PASS
	Extreme(20°C)		1850.062	1850.338	1850-1910	PASS
	Extreme(10°C)		1850.063	1850.337	1850-1910	PASS
	Extreme(0°C)		1850.069	1850.331	1850-1910	PASS
	Extreme(-10°C)		1850.079	1850.321	1850-1910	PASS
	Extreme(-20°C)		1850.079	1850.321	1850-1910	PASS
	Extreme(-30°C)		1850.065	1850.335	1850-1910	PASS
	25°C	LV	1850.075	1850.325	1850-1910	PASS
		HV	1850.079	1850.321	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	1909.662	1909.938	1850-1910	PASS
	Extreme(40°C)		1909.674	1909.926	1850-1910	PASS
	Extreme(30°C)		1909.664	1909.936	1850-1910	PASS
	Extreme(20°C)		1909.679	1909.921	1850-1910	PASS
	Extreme(10°C)		1909.678	1909.922	1850-1910	PASS

	Extreme(0°C)		1909.665	1909.935	1850-1910	PASS
	Extreme(-10°C)		1909.667	1909.933	1850-1910	PASS
	Extreme(-20°C)		1909.679	1909.921	1850-1910	PASS
	Extreme(-30°C)		1909.665	1909.935	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(50°C)	NV	1850.326	1854.474	1850-1910	PASS
	Extreme(40°C)		1850.325	1854.475	1850-1910	PASS
	Extreme(30°C)		1850.325	1854.475	1850-1910	PASS
	Extreme(20°C)		1850.315	1854.485	1850-1910	PASS
	Extreme(10°C)		1850.315	1854.485	1850-1910	PASS
	Extreme(0°C)		1850.317	1854.483	1850-1910	PASS
	Extreme(-10°C)		1850.322	1854.478	1850-1910	PASS
	Extreme(-20°C)		1850.325	1854.475	1850-1910	PASS
	Extreme(-30°C)		1850.322	1854.478	1850-1910	PASS
	25°C	LV	1850.329	1854.471	1850-1910	PASS
		HV	1850.323	1854.477	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(50°C)	NV	1905.520	1909.680	1850-1910	PASS
	Extreme(40°C)		1905.518	1909.682	1850-1910	PASS
	Extreme(30°C)		1905.517	1909.683	1850-1910	PASS
	Extreme(20°C)		1905.519	1909.681	1850-1910	PASS
	Extreme(10°C)		1905.524	1909.676	1850-1910	PASS
	Extreme(0°C)		1905.524	1909.676	1850-1910	PASS
	Extreme(-10°C)		1905.520	1909.680	1850-1910	PASS
	Extreme(-20°C)		1905.528	1909.672	1850-1910	PASS
	Extreme(-30°C)		1905.520	1909.680	1850-1910	PASS
	25°C	LV	1905.526	1909.674	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
1712.4	Bandwidth	5MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	1710.318	1714.482	1710-1755	PASS
	Extreme(40°C)		1710.325	1714.475	1710-1755	PASS
	Extreme(30°C)		1710.326	1714.474	1710-1755	PASS
	Extreme(20°C)		1710.326	1714.474	1710-1755	PASS
	Extreme(10°C)		1710.321	1714.479	1710-1755	PASS
	Extreme(0°C)		1710.321	1714.479	1710-1755	PASS
	Extreme(-10°C)		1710.326	1714.474	1710-1755	PASS
	Extreme(-20°C)		1710.328	1714.472	1710-1755	PASS
	Extreme(-30°C)		1710.315	1714.485	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(50°C)	NV	1750.526	1754.674	1710-1755	PASS
	Extreme(40°C)		1750.523	1754.677	1710-1755	PASS
	Extreme(30°C)		1750.522	1754.678	1710-1755	PASS
	Extreme(20°C)		1750.523	1754.677	1710-1755	PASS
	Extreme(10°C)		1750.530	1754.670	1710-1755	PASS
	Extreme(0°C)		1750.520	1754.680	1710-1755	PASS
	Extreme(-10°C)		1750.524	1754.676	1710-1755	PASS
	Extreme(-20°C)		1750.515	1754.685	1710-1755	PASS
	Extreme(-30°C)		1750.529	1754.671	1710-1755	PASS
	25°C	LV	1750.516	1754.684	1710-1755	PASS
		HV	1750.517	1754.683	1710-1755	PASS

	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Temperature	Voltage	QPSK	QPSK	
WCDMA B5	Extreme(50°C)	NV	13.23	0.01581	PASS
	Extreme(40°C)		15.06	0.01800	PASS
	Extreme(30°C)		6.64	0.00793	PASS
	Extreme(20°C)		6.51	0.00778	PASS
	Extreme(10°C)		5.68	0.00678	PASS
	Extreme(0°C)		12.66	0.01514	PASS
	Extreme(-10°C)		17.81	0.02129	PASS
	Extreme(-20°C)		4.94	0.00590	PASS
	Extreme(-30°C)		12.61	0.01507	PASS
	25°C	LV	8.62	0.01030	PASS
		HV	13.31	0.01590	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	1850.145	1851.255	1850-1910	PASS
	Extreme(40°C)		1850.149	1851.251	1850-1910	PASS
	Extreme(30°C)		1850.147	1851.253	1850-1910	PASS
	Extreme(20°C)		1850.147	1851.253	1850-1910	PASS
	Extreme(10°C)		1850.147	1851.253	1850-1910	PASS
	Extreme(0°C)		1850.147	1851.253	1850-1910	PASS
	Extreme(-10°C)		1850.150	1851.250	1850-1910	PASS
	Extreme(-20°C)		1850.147	1851.253	1850-1910	PASS
	Extreme(-30°C)		1850.147	1851.253	1850-1910	PASS
	25°C	LV	1850.146	1851.254	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	QPSK	QPSK	1850-1910	PASS
	Temperature	Voltage				
	Extreme(50°C)	NV	1850.149	1852.851	1850-1910	PASS
	Extreme(40°C)		1850.150	1852.850	1850-1910	PASS
	Extreme(30°C)		1850.149	1852.851	1850-1910	PASS
	Extreme(20°C)		1850.148	1852.852	1850-1910	PASS
	Extreme(10°C)		1850.147	1852.853	1850-1910	PASS
	Extreme(0°C)		1850.149	1852.851	1850-1910	PASS
	Extreme(-10°C)		1850.145	1852.855	1850-1910	PASS
	Extreme(-20°C)		1850.150	1852.850	1850-1910	PASS
	Extreme(-30°C)		1850.146	1852.854	1850-1910	PASS
	25°C	LV	1850.148	1852.852	1850-1910	PASS
		HV	1850.149	1852.851	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	1850.292	1854.708	1850-1910	PASS
	Extreme(40°C)		1850.298	1854.702	1850-1910	PASS
	Extreme(30°C)		1850.223	1854.777	1850-1910	PASS
	Extreme(20°C)		1850.263	1854.737	1850-1910	PASS
	Extreme(10°C)		1850.256	1854.744	1850-1910	PASS
	Extreme(0°C)		1850.207	1854.793	1850-1910	PASS

	Extreme(-10°C)		1850.274	1854.726	1850-1910	PASS
	Extreme(-20°C)		1850.240	1854.760	1850-1910	PASS
	Extreme(-30°C)		1850.202	1854.798	1850-1910	PASS
	25°C	LV	1850.290	1854.710	1850-1910	PASS
		HV	1850.237	1854.763	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1855	Bandwidth	10MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	1850.624	1859.376	1850-1910	PASS
	Extreme(40°C)		1850.639	1859.361	1850-1910	PASS
	Extreme(30°C)		1850.559	1859.441	1850-1910	PASS
	Extreme(20°C)		1850.500	1859.500	1850-1910	PASS
	Extreme(10°C)		1850.630	1859.370	1850-1910	PASS
	Extreme(0°C)		1850.607	1859.393	1850-1910	PASS
	Extreme(-10°C)		1850.599	1859.401	1850-1910	PASS
	Extreme(-20°C)		1850.570	1859.430	1850-1910	PASS
	Extreme(-30°C)		1850.632	1859.368	1850-1910	PASS
	25°C	LV	1850.522	1859.478	1850-1910	PASS
		HV	1850.502	1859.498	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1857.5	Bandwidth	15MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	1850.747	1864.253	1850-1910	PASS
	Extreme(40°C)		1850.768	1864.232	1850-1910	PASS
	Extreme(30°C)		1850.707	1864.293	1850-1910	PASS
	Extreme(20°C)		1850.796	1864.204	1850-1910	PASS
	Extreme(10°C)		1850.782	1864.218	1850-1910	PASS
	Extreme(0°C)		1850.770	1864.230	1850-1910	PASS
	Extreme(-10°C)		1850.793	1864.207	1850-1910	PASS
	Extreme(-20°C)		1850.781	1864.219	1850-1910	PASS
	Extreme(-30°C)		1850.715	1864.285	1850-1910	PASS
	25°C	LV	1850.704	1864.296	1850-1910	PASS
		HV	1850.749	1864.251	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	1851.035	1868.965	1850-1910	PASS
	Extreme(40°C)		1851.002	1868.998	1850-1910	PASS

	Extreme(30°C)		1851.038	1868.962	1850-1910	PASS
	Extreme(20°C)		1851.024	1868.976	1850-1910	PASS
	Extreme(10°C)		1851.034	1868.966	1850-1910	PASS
	Extreme(0°C)		1851.005	1868.995	1850-1910	PASS
	Extreme(-10°C)		1851.042	1868.958	1850-1910	PASS
	Extreme(-20°C)		1851.001	1868.999	1850-1910	PASS
	Extreme(-30°C)		1851.042	1868.958	1850-1910	PASS
	25°C		LV	1851.030	1868.970	1850-1910
		HV	1851.019	1868.981	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	1908.748	1909.852	1850-1910	PASS
	Extreme(40°C)		1908.749	1909.851	1850-1910	PASS
	Extreme(30°C)		1908.747	1909.853	1850-1910	PASS
	Extreme(20°C)		1908.750	1909.850	1850-1910	PASS
	Extreme(10°C)		1908.748	1909.852	1850-1910	PASS
	Extreme(0°C)		1908.749	1909.851	1850-1910	PASS
	Extreme(-10°C)		1908.748	1909.852	1850-1910	PASS
	Extreme(-20°C)		1908.745	1909.855	1850-1910	PASS
	Extreme(-30°C)		1908.749	1909.851	1850-1910	PASS
	25°C	LV	1908.746	1909.854	1850-1910	PASS
		HV	1908.747	1909.853	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	1907.150	1909.850	1850-1910	PASS
	Extreme(40°C)		1907.149	1909.851	1850-1910	PASS
	Extreme(30°C)		1907.150	1909.850	1850-1910	PASS
	Extreme(20°C)		1907.147	1909.853	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)		1907.147	1909.853	1850-1910	PASS
	Extreme(-20°C)		1907.145	1909.855	1850-1910	PASS
	Extreme(-30°C)		1907.148	1909.852	1850-1910	PASS
	25°C	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				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	1905.203	1909.797	1850-1910	PASS
	Extreme(40°C)		1905.262	1909.738	1850-1910	PASS
	Extreme(30°C)		1905.247	1909.753	1850-1910	PASS
	Extreme(20°C)		1905.282	1909.718	1850-1910	PASS
	Extreme(10°C)		1905.243	1909.757	1850-1910	PASS
	Extreme(0°C)		1905.292	1909.708	1850-1910	PASS
	Extreme(-10°C)		1905.288	1909.712	1850-1910	PASS
	Extreme(-20°C)		1905.256	1909.744	1850-1910	PASS
	Extreme(-30°C)		1905.244	1909.756	1850-1910	PASS
	25°C	LV	1905.225	1909.775	1850-1910	PASS
		HV	1905.216	1909.784	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1905	Bandwidth	10MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	1900.506	1909.494	1850-1910	PASS
	Extreme(40°C)		1900.626	1909.374	1850-1910	PASS
	Extreme(30°C)		1900.597	1909.403	1850-1910	PASS
	Extreme(20°C)		1900.616	1909.384	1850-1910	PASS
	Extreme(10°C)		1900.581	1909.419	1850-1910	PASS
	Extreme(0°C)		1900.638	1909.362	1850-1910	PASS
	Extreme(-10°C)		1900.630	1909.370	1850-1910	PASS
	Extreme(-20°C)		1900.611	1909.389	1850-1910	PASS
	Extreme(-30°C)		1900.646	1909.354	1850-1910	PASS
	25°C	LV	1900.588	1909.412	1850-1910	PASS
		HV	1900.596	1909.404	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1902.5	Bandwidth	15MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	1895.765	1909.235	1850-1910	PASS
	Extreme(40°C)		1895.773	1909.227	1850-1910	PASS
	Extreme(30°C)		1895.731	1909.269	1850-1910	PASS
	Extreme(20°C)		1895.709	1909.291	1850-1910	PASS
	Extreme(10°C)		1895.757	1909.243	1850-1910	PASS
	Extreme(0°C)		1895.717	1909.283	1850-1910	PASS
	Extreme(-10°C)		1895.753	1909.247	1850-1910	PASS
	Extreme(-20°C)		1895.780	1909.220	1850-1910	PASS
	Extreme(-30°C)		1895.765	1909.235	1850-1910	PASS

	25°C	LV	1895.726	1909.274	1850-1910	PASS
		HV	1895.739	1909.261	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	1890.927	1909.073	1850-1910	PASS
	Extreme(40°C)		1890.912	1909.088	1850-1910	PASS
	Extreme(30°C)		1890.971	1909.029	1850-1910	PASS
	Extreme(20°C)		1890.909	1909.091	1850-1910	PASS
	Extreme(10°C)		1890.931	1909.069	1850-1910	PASS
	Extreme(0°C)		1890.911	1909.089	1850-1910	PASS
	Extreme(-10°C)		1890.983	1909.017	1850-1910	PASS
	Extreme(-20°C)		1890.922	1909.078	1850-1910	PASS
	Extreme(-30°C)		1890.940	1909.060	1850-1910	PASS
	25°C	LV	1890.939	1909.061	1850-1910	PASS
		HV	1890.929	1909.071	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	1710.147	1711.253	1710-1755	PASS
	Extreme(40°C)		1710.149	1711.251	1710-1755	PASS
	Extreme(30°C)		1710.149	1711.251	1710-1755	PASS
	Extreme(20°C)		1710.147	1711.253	1710-1755	PASS
	Extreme(10°C)		1710.145	1711.255	1710-1755	PASS
	Extreme(0°C)		1710.149	1711.251	1710-1755	PASS
	Extreme(-10°C)		1710.146	1711.254	1710-1755	PASS
	Extreme(-20°C)		1710.149	1711.251	1710-1755	PASS
	Extreme(-30°C)		1710.149	1711.251	1710-1755	PASS
	25°C	LV	1710.146	1711.254	1710-1755	PASS
		HV	1710.150	1711.250	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1711.5	Bandwidth	3MHz	QPSK			
	Temperature	Voltage				
	Extreme(50°C)	NV	1710.147	1712.853	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)		1710.150	1712.850	1710-1755	PASS
	Extreme(10°C)		1710.147	1712.853	1710-1755	PASS

	Extreme(0°C)		1710.146	1712.854	1710-1755	PASS
	Extreme(-10°C)		1710.145	1712.855	1710-1755	PASS
	Extreme(-20°C)		1710.149	1712.851	1710-1755	PASS
	Extreme(-30°C)		1710.146	1712.854	1710-1755	PASS
	25°C	LV	1710.146	1712.854	1710-1755	PASS
		HV	1710.145	1712.855	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(50°C)	NV	1710.215	1714.785	1710-1755	PASS
	Extreme(40°C)		1710.235	1714.765	1710-1755	PASS
	Extreme(30°C)		1710.249	1714.751	1710-1755	PASS
	Extreme(20°C)		1710.208	1714.792	1710-1755	PASS
	Extreme(10°C)		1710.242	1714.758	1710-1755	PASS
	Extreme(0°C)		1710.263	1714.737	1710-1755	PASS
	Extreme(-10°C)		1710.227	1714.773	1710-1755	PASS
	Extreme(-20°C)		1710.265	1714.735	1710-1755	PASS
	Extreme(-30°C)		1710.227	1714.773	1710-1755	PASS
	25°C	LV	1710.203	1714.797	1710-1755	PASS
		HV	1710.290	1714.710	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1715	Bandwidth	10MHz	QPSK			
	Temperature	Voltage				
	Extreme(50°C)	NV	1710.561	1719.439	1710-1755	PASS
	Extreme(40°C)		1710.539	1719.461	1710-1755	PASS
	Extreme(30°C)		1710.540	1719.460	1710-1755	PASS
	Extreme(20°C)		1710.523	1719.477	1710-1755	PASS
	Extreme(10°C)		1710.649	1719.351	1710-1755	PASS
	Extreme(0°C)		1710.580	1719.420	1710-1755	PASS
	Extreme(-10°C)		1710.630	1719.370	1710-1755	PASS
	Extreme(-20°C)		1710.602	1719.398	1710-1755	PASS
	Extreme(-30°C)		1710.581	1719.419	1710-1755	PASS
	25°C	LV	1710.588	1719.412	1710-1755	PASS
		HV	1710.561	1719.439	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	1710.792	1724.208	1710-1755	PASS

	Extreme(40°C)		1710.770	1724.230	1710-1755	PASS
	Extreme(30°C)		1710.792	1724.208	1710-1755	PASS
	Extreme(20°C)		1710.738	1724.262	1710-1755	PASS
	Extreme(10°C)		1710.752	1724.248	1710-1755	PASS
	Extreme(0°C)		1710.753	1724.247	1710-1755	PASS
	Extreme(-10°C)		1710.796	1724.204	1710-1755	PASS
	Extreme(-20°C)		1710.715	1724.285	1710-1755	PASS
	Extreme(-30°C)		1710.722	1724.278	1710-1755	PASS
	25°C	LV	1710.799	1724.201	1710-1755	PASS
		HV	1710.743	1724.257	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	1711.018	1728.982	1710-1755	PASS
	Extreme(40°C)		1711.027	1728.973	1710-1755	PASS
	Extreme(30°C)		1711.048	1728.952	1710-1755	PASS
	Extreme(20°C)		1711.041	1728.959	1710-1755	PASS
	Extreme(10°C)		1711.039	1728.961	1710-1755	PASS
	Extreme(0°C)		1711.001	1728.999	1710-1755	PASS
	Extreme(-10°C)		1711.040	1728.960	1710-1755	PASS
	Extreme(-20°C)		1711.022	1728.978	1710-1755	PASS
	Extreme(-30°C)		1711.029	1728.971	1710-1755	PASS
	25°C	LV	1711.015	1728.985	1710-1755	PASS
		HV	1711.013	1728.987	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1754.3	Bandwidth	1.4MHz	QPSK			
	Temperature	Voltage				
	Extreme(50°C)	NV	1753.749	1754.851	1710-1755	PASS
	Extreme(40°C)		1753.749	1754.851	1710-1755	PASS
	Extreme(30°C)		1753.747	1754.853	1710-1755	PASS
	Extreme(20°C)		1753.749	1754.851	1710-1755	PASS
	Extreme(10°C)		1753.748	1754.852	1710-1755	PASS
	Extreme(0°C)		1753.749	1754.851	1710-1755	PASS
	Extreme(-10°C)		1753.749	1754.851	1710-1755	PASS
	Extreme(-20°C)		1753.750	1754.850	1710-1755	PASS
	Extreme(-30°C)		1753.748	1754.852	1710-1755	PASS
	25°C	LV	1753.748	1754.852	1710-1755	PASS
		HV	1753.749	1754.851	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	1752.149	1754.851	1710-1755	PASS
	Extreme(40°C)		1752.150	1754.850	1710-1755	PASS
	Extreme(30°C)		1752.147	1754.853	1710-1755	PASS
	Extreme(20°C)		1752.145	1754.855	1710-1755	PASS
	Extreme(10°C)		1752.149	1754.851	1710-1755	PASS
	Extreme(0°C)		1752.145	1754.855	1710-1755	PASS
	Extreme(-10°C)		1752.145	1754.855	1710-1755	PASS
	Extreme(-20°C)		1752.147	1754.853	1710-1755	PASS
	Extreme(-30°C)		1752.147	1754.853	1710-1755	PASS
	25°C	LV	1752.147	1754.853	1710-1755	PASS
		HV	1752.148	1754.852	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	1750.293	1754.707	1710-1755	PASS
	Extreme(40°C)		1750.263	1754.737	1710-1755	PASS
	Extreme(30°C)		1750.220	1754.780	1710-1755	PASS
	Extreme(20°C)		1750.253	1754.747	1710-1755	PASS
	Extreme(10°C)		1750.229	1754.771	1710-1755	PASS
	Extreme(0°C)		1750.280	1754.720	1710-1755	PASS
	Extreme(-10°C)		1750.283	1754.717	1710-1755	PASS
	Extreme(-20°C)		1750.220	1754.780	1710-1755	PASS
	Extreme(-30°C)		1750.275	1754.725	1710-1755	PASS
	25°C	LV	1750.242	1754.758	1710-1755	PASS
		HV	1750.217	1754.783	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1750	Bandwidth	10MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	1745.559	1754.441	1710-1755	PASS
	Extreme(40°C)		1745.566	1754.434	1710-1755	PASS
	Extreme(30°C)		1745.622	1754.378	1710-1755	PASS
	Extreme(20°C)		1745.537	1754.463	1710-1755	PASS
	Extreme(10°C)		1745.640	1754.360	1710-1755	PASS
	Extreme(0°C)		1745.628	1754.372	1710-1755	PASS
	Extreme(-10°C)		1745.584	1754.416	1710-1755	PASS
	Extreme(-20°C)		1745.503	1754.497	1710-1755	PASS
	Extreme(-30°C)		1745.554	1754.446	1710-1755	PASS

	25°C	LV	1745.645	1754.355	1710-1755	PASS
		HV	1745.509	1754.491	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(50°C)	NV	1740.775	1754.225	1710-1755	PASS
	Extreme(40°C)		1740.719	1754.281	1710-1755	PASS
	Extreme(30°C)		1740.703	1754.297	1710-1755	PASS
	Extreme(20°C)		1740.743	1754.257	1710-1755	PASS
	Extreme(10°C)		1740.735	1754.265	1710-1755	PASS
	Extreme(0°C)		1740.740	1754.260	1710-1755	PASS
	Extreme(-10°C)		1740.712	1754.288	1710-1755	PASS
	Extreme(-20°C)		1740.700	1754.300	1710-1755	PASS
	Extreme(-30°C)		1740.729	1754.271	1710-1755	PASS
	25°C	LV	1740.778	1754.222	1710-1755	PASS
		HV	1740.798	1754.202	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1745	Bandwidth	20MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	1735.906	1754.094	1710-1755	PASS
	Extreme(40°C)		1735.919	1754.081	1710-1755	PASS
	Extreme(30°C)		1735.965	1754.035	1710-1755	PASS
	Extreme(20°C)		1735.913	1754.087	1710-1755	PASS
	Extreme(10°C)		1735.920	1754.080	1710-1755	PASS
	Extreme(0°C)		1735.957	1754.043	1710-1755	PASS
	Extreme(-10°C)		1735.939	1754.061	1710-1755	PASS
	Extreme(-20°C)		1736.000	1754.000	1710-1755	PASS
	Extreme(-30°C)		1735.943	1754.057	1710-1755	PASS
	25°C	LV	1735.908	1754.092	1710-1755	PASS
		HV	1735.957	1754.043	1710-1755	PASS

Band5	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	1.4MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme(50°C)	NV	15.32	0.01831	PASS
	Extreme(40°C)		4.13	0.00494	PASS
	Extreme(30°C)		12.93	0.01545	PASS
	Extreme(20°C)		4.58	0.00548	PASS

	Extreme(10°C)		2.64	0.00315	PASS
	Extreme(0°C)		15.40	0.01841	PASS
	Extreme(-10°C)		5.04	0.00603	PASS
	Extreme(-20°C)		15.58	0.01863	PASS
	Extreme(-30°C)		4.55	0.00544	PASS
	25°C	LV	12.13	0.01450	PASS
		HV	14.66	0.01753	PASS
Band5	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	3MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme(50°C)	NV	1.71	0.00205	PASS
	Extreme(40°C)		13.41	0.01603	PASS
	Extreme(30°C)		16.55	0.01978	PASS
	Extreme(20°C)		7.82	0.00935	PASS
	Extreme(10°C)		6.99	0.00836	PASS
	Extreme(0°C)		16.34	0.01953	PASS
	Extreme(-10°C)		7.86	0.00940	PASS
	Extreme(-20°C)		16.95	0.02026	PASS
	Extreme(-30°C)		17.54	0.02097	PASS
	25°C	LV	7.44	0.00890	PASS
		HV	15.92	0.01904	PASS
Band5	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	5MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme(50°C)	NV	3.40	0.00407	PASS
	Extreme(40°C)		13.45	0.01608	PASS
	Extreme(30°C)		8.72	0.01042	PASS
	Extreme(20°C)		10.41	0.01244	PASS
	Extreme(10°C)		2.25	0.00268	PASS
	Extreme(0°C)		3.91	0.00467	PASS
	Extreme(-10°C)		14.91	0.01783	PASS
	Extreme(-20°C)		12.91	0.01544	PASS
	Extreme(-30°C)		15.58	0.01862	PASS
	25°C	LV	7.07	0.00845	PASS
		HV	16.82	0.02011	PASS
Band5	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	10MHz			
	Temperature	Voltage	QPSK	QPSK	

	Extreme(50°C)	NV	16.88	0.02018	PASS
	Extreme(40°C)		16.33	0.01952	PASS
	Extreme(30°C)		8.52	0.01018	PASS
	Extreme(20°C)		1.24	0.00148	PASS
	Extreme(10°C)		9.60	0.01148	PASS
	Extreme(0°C)		16.14	0.01929	PASS
	Extreme(-10°C)		17.92	0.02142	PASS
	Extreme(-20°C)		3.01	0.00360	PASS
	Extreme(-30°C)		3.30	0.00395	PASS
	25°C	LV	4.69	0.00560	PASS
		HV	3.54	0.00423	PASS

LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2502.5	Bandwidth	5MHz	QPSK			
	Temperature	Voltage				
	Extreme(50°C)	NV	2500.278	2504.722	2500-2570	PASS
	Extreme(40°C)		2500.283	2504.717	2500-2570	PASS
	Extreme(30°C)		2500.274	2504.726	2500-2570	PASS
	Extreme(20°C)		2500.267	2504.733	2500-2570	PASS
	Extreme(10°C)		2500.272	2504.728	2500-2570	PASS
	Extreme(0°C)		2500.221	2504.779	2500-2570	PASS
	Extreme(-10°C)		2500.296	2504.704	2500-2570	PASS
	Extreme(-20°C)		2500.281	2504.719	2500-2570	PASS
	Extreme(-30°C)		2500.222	2504.778	2500-2570	PASS
	25°C	LV	2500.291	2504.709	2500-2570	PASS
		HV	2500.224	2504.776	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2505	Bandwidth	10MHz	QPSK			
	Temperature	Voltage				
	Extreme(50°C)	NV	2500.562	2509.438	2500-2570	PASS
	Extreme(40°C)		2500.517	2509.483	2500-2570	PASS
	Extreme(30°C)		2500.513	2509.487	2500-2570	PASS
	Extreme(20°C)		2500.531	2509.469	2500-2570	PASS
	Extreme(10°C)		2500.641	2509.359	2500-2570	PASS
	Extreme(0°C)		2500.613	2509.387	2500-2570	PASS
	Extreme(-10°C)		2500.577	2509.423	2500-2570	PASS
	Extreme(-20°C)		2500.592	2509.408	2500-2570	PASS
	Extreme(-30°C)		2500.610	2509.390	2500-2570	PASS
	25°C	LV	2500.511	2509.489	2500-2570	PASS
		HV	2500.578	2509.422	2500-2570	PASS

LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2507.5	Bandwidth	15MHz	QPSK	QPSK	2500-2570	PASS
	Temperature	Voltage				
	Extreme(50°C)	NV	2500.759	2514.241	2500-2570	PASS
	Extreme(40°C)		2500.722	2514.278	2500-2570	PASS
	Extreme(30°C)		2500.733	2514.267	2500-2570	PASS
	Extreme(20°C)		2500.729	2514.271	2500-2570	PASS
	Extreme(10°C)		2500.755	2514.245	2500-2570	PASS
	Extreme(0°C)		2500.700	2514.300	2500-2570	PASS
	Extreme(-10°C)		2500.729	2514.271	2500-2570	PASS
	Extreme(-20°C)		2500.748	2514.252	2500-2570	PASS
	Extreme(-30°C)		2500.800	2514.200	2500-2570	PASS
	25°C	LV	2500.725	2514.275	2500-2570	PASS
		HV	2500.796	2514.204	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2510	Bandwidth	20MHz	QPSK	QPSK	2500-2570	PASS
	Temperature	Voltage				
	Extreme(50°C)	NV	2501.008	2518.992	2500-2570	PASS
	Extreme(40°C)		2501.044	2518.956	2500-2570	PASS
	Extreme(30°C)		2501.034	2518.966	2500-2570	PASS
	Extreme(20°C)		2501.009	2518.991	2500-2570	PASS
	Extreme(10°C)		2501.048	2518.952	2500-2570	PASS
	Extreme(0°C)		2501.012	2518.988	2500-2570	PASS
	Extreme(-10°C)		2501.045	2518.955	2500-2570	PASS
	Extreme(-20°C)		2501.005	2518.995	2500-2570	PASS
	Extreme(-30°C)		2501.032	2518.968	2500-2570	PASS
	25°C	LV	2501.041	2518.959	2500-2570	PASS
		HV	2501.043	2518.957	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2567.5	Bandwidth	5MHz	QPSK	QPSK	2500-2570	PASS
	Temperature	Voltage				
	Extreme(50°C)	NV	2565.212	2569.788	2500-2570	PASS
	Extreme(40°C)		2565.213	2569.787	2500-2570	PASS
	Extreme(30°C)		2565.241	2569.759	2500-2570	PASS
	Extreme(20°C)		2565.258	2569.742	2500-2570	PASS
	Extreme(10°C)		2565.267	2569.733	2500-2570	PASS
	Extreme(0°C)		2565.239	2569.761	2500-2570	PASS
	Extreme(-10°C)		2565.290	2569.710	2500-2570	PASS

	Extreme(-20°C)		2565.240	2569.760	2500-2570	PASS
	Extreme(-30°C)		2565.235	2569.765	2500-2570	PASS
	25°C	LV	2565.294	2569.706	2500-2570	PASS
		HV	2565.207	2569.793	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	2560.626	2569.374	2500-2570	PASS
	Extreme(40°C)		2560.636	2569.364	2500-2570	PASS
	Extreme(30°C)		2560.617	2569.383	2500-2570	PASS
	Extreme(20°C)		2560.506	2569.494	2500-2570	PASS
	Extreme(10°C)		2560.592	2569.408	2500-2570	PASS
	Extreme(0°C)		2560.626	2569.374	2500-2570	PASS
	Extreme(-10°C)		2560.604	2569.396	2500-2570	PASS
	Extreme(-20°C)		2560.541	2569.459	2500-2570	PASS
	Extreme(-30°C)		2560.504	2569.496	2500-2570	PASS
	25°C	LV	2560.594	2569.406	2500-2570	PASS
		HV	2560.632	2569.368	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2562.5	Bandwidth	15MHz	QPSK			
	Temperature	Voltage				
	Extreme(50°C)	NV	2555.741	2569.259	2500-2570	PASS
	Extreme(40°C)		2555.745	2569.255	2500-2570	PASS
	Extreme(30°C)		2555.720	2569.280	2500-2570	PASS
	Extreme(20°C)		2555.716	2569.284	2500-2570	PASS
	Extreme(10°C)		2555.753	2569.247	2500-2570	PASS
	Extreme(0°C)		2555.754	2569.246	2500-2570	PASS
	Extreme(-10°C)		2555.711	2569.289	2500-2570	PASS
	Extreme(-20°C)		2555.721	2569.279	2500-2570	PASS
	Extreme(-30°C)		2555.703	2569.297	2500-2570	PASS
	25°C	LV	2555.759	2569.241	2500-2570	PASS
		HV	2555.761	2569.239	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2560	Bandwidth	20MHz	QPSK			
	Temperature	Voltage				
	Extreme(50°C)	NV	2550.907	2569.093	2500-2570	PASS
	Extreme(40°C)		2550.909	2569.091	2500-2570	PASS
	Extreme(30°C)		2550.953	2569.047	2500-2570	PASS

	Extreme(20°C)		2550.949	2569.051	2500-2570	PASS
	Extreme(10°C)		2550.920	2569.080	2500-2570	PASS
	Extreme(0°C)		2550.913	2569.087	2500-2570	PASS
	Extreme(-10°C)		2550.919	2569.081	2500-2570	PASS
	Extreme(-20°C)		2550.941	2569.059	2500-2570	PASS
	Extreme(-30°C)		2550.904	2569.096	2500-2570	PASS
	25°C	LV	2550.969	2569.031	2500-2570	PASS
		HV	2550.906	2569.094	2500-2570	PASS

Band26(824-849)	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	1.4MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme(50°C)	NV	7.45	0.00890	PASS
	Extreme(40°C)		12.74	0.01523	PASS
	Extreme(30°C)		12.04	0.01439	PASS
	Extreme(20°C)		7.72	0.00923	PASS
	Extreme(10°C)		3.26	0.00389	PASS
	Extreme(0°C)		8.31	0.00993	PASS
	Extreme(-10°C)		15.03	0.01796	PASS
	Extreme(-20°C)		9.89	0.01182	PASS
	Extreme(-30°C)		11.57	0.01383	PASS
	25°C	LV	3.69	0.00441	PASS
		HV	14.77	0.01766	PASS
Band26(824-849)	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	3MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme(50°C)	NV	6.98	0.00834	PASS
	Extreme(40°C)		17.48	0.02090	PASS
	Extreme(30°C)		11.79	0.01410	PASS
	Extreme(20°C)		14.55	0.01739	PASS
	Extreme(10°C)		5.91	0.00707	PASS
	Extreme(0°C)		17.00	0.02032	PASS
	Extreme(-10°C)		8.77	0.01048	PASS
	Extreme(-20°C)		3.69	0.00441	PASS
	Extreme(-30°C)		17.21	0.02058	PASS
	25°C	LV	8.69	0.01039	PASS
		HV	10.55	0.01262	PASS
Band26(824-849)	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict

	Bandwidth	5MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme(50°C)	NV	1.46	0.00175	PASS
	Extreme(40°C)		6.91	0.00826	PASS
	Extreme(30°C)		10.26	0.01226	PASS
	Extreme(20°C)		10.18	0.01217	PASS
	Extreme(10°C)		16.88	0.02018	PASS
	Extreme(0°C)		17.46	0.02088	PASS
	Extreme(-10°C)		8.44	0.01009	PASS
	Extreme(-20°C)		15.12	0.01807	PASS
	Extreme(-30°C)		14.98	0.01790	PASS
	25°C	LV	12.31	0.01472	PASS
		HV	10.49	0.01254	PASS
Band26(824-849)	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	10MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme(50°C)	NV	2.14	0.00256	PASS
	Extreme(40°C)		11.16	0.01334	PASS
	Extreme(30°C)		14.12	0.01687	PASS
	Extreme(20°C)		17.51	0.02093	PASS
	Extreme(10°C)		11.13	0.01330	PASS
	Extreme(0°C)		3.26	0.00389	PASS
	Extreme(-10°C)		10.48	0.01253	PASS
	Extreme(-20°C)		1.44	0.00172	PASS
	Extreme(-30°C)		17.32	0.02070	PASS
	25°C	LV	3.27	0.00391	PASS
		HV	7.18	0.00859	PASS
Band26(824-849)	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	15MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme(50°C)	NV	7.80	0.00932	PASS
	Extreme(40°C)		1.83	0.00219	PASS
	Extreme(30°C)		6.24	0.00746	PASS
	Extreme(20°C)		12.22	0.01460	PASS
	Extreme(10°C)		13.93	0.01665	PASS
	Extreme(0°C)		12.73	0.01522	PASS
	Extreme(-10°C)		5.61	0.00671	PASS
	Extreme(-20°C)		2.28	0.00272	PASS
	Extreme(-30°C)		13.19	0.01577	PASS

	25°C	LV	1.79	0.00214	PASS
		HV	11.18	0.01336	PASS
Band26(814-824)	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	1.4MHz			
	Temperature	Voltage			
	Extreme(50°C)	NV	9.27	0.01132	PASS
	Extreme(40°C)		4.09	0.00500	PASS
	Extreme(30°C)		9.12	0.01113	PASS
	Extreme(20°C)		16.41	0.02004	PASS
	Extreme(10°C)		2.54	0.00310	PASS
	Extreme(0°C)		6.99	0.00853	PASS
	Extreme(-10°C)		9.82	0.01200	PASS
	Extreme(-20°C)		3.05	0.00372	PASS
	Extreme(-30°C)		7.66	0.00936	PASS
	25°C	LV	4.63	0.00565	PASS
		HV	16.36	0.01998	PASS
Band26(814-824)	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	3MHz			
	Temperature	Voltage			
	Extreme(50°C)	NV	1.99	0.00243	PASS
	Extreme(40°C)		11.08	0.01353	PASS
	Extreme(30°C)		16.52	0.02017	PASS
	Extreme(20°C)		12.61	0.01539	PASS
	Extreme(10°C)		1.65	0.00201	PASS
	Extreme(0°C)		13.12	0.01602	PASS
	Extreme(-10°C)		10.82	0.01321	PASS
	Extreme(-20°C)		12.32	0.01504	PASS
	Extreme(-30°C)		17.73	0.02165	PASS
	25°C	LV	4.78	0.00584	PASS
		HV	4.76	0.00582	PASS
Band26(814-824)	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	5MHz			
	Temperature	Voltage			
	Extreme(50°C)	NV	10.04	0.01225	PASS
	Extreme(40°C)		6.43	0.00785	PASS
	Extreme(30°C)		3.82	0.00466	PASS
	Extreme(20°C)		13.44	0.01641	PASS
	Extreme(10°C)		5.47	0.00668	PASS

	Extreme(0°C)		2.86	0.00349	PASS
	Extreme(-10°C)		1.42	0.00174	PASS
	Extreme(-20°C)		7.80	0.00952	PASS
	Extreme(-30°C)		10.99	0.01342	PASS
	25°C	LV	17.06	0.02083	PASS
		HV	3.50	0.00428	PASS
Band26(814-824)	Condition		Freq.Error (Hz)	Frequency Stability(ppm)	Verdict
	Bandwidth	10MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme(50°C)	NV	11.85	0.01447	PASS
	Extreme(40°C)		3.66	0.00446	PASS
	Extreme(30°C)		4.02	0.00491	PASS
	Extreme(20°C)		1.70	0.00207	PASS
	Extreme(10°C)		16.97	0.02072	PASS
	Extreme(0°C)		17.90	0.02185	PASS
	Extreme(-10°C)		14.32	0.01749	PASS
	Extreme(-20°C)		14.47	0.01767	PASS
	Extreme(-30°C)		1.64	0.00201	PASS
	25°C	LV	16.12	0.01968	PASS
		HV	14.46	0.01766	PASS

LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2575	Bandwidth	10MHz	QPSK			
	Temperature	Voltage				
	Extreme(50°C)	NV	2570.519	2579.481	2570-2620	PASS
	Extreme(40°C)		2570.566	2579.434	2570-2620	PASS
	Extreme(30°C)		2570.531	2579.469	2570-2620	PASS
	Extreme(20°C)		2570.569	2579.431	2570-2620	PASS
	Extreme(10°C)		2570.565	2579.435	2570-2620	PASS
	Extreme(0°C)		2570.589	2579.411	2570-2620	PASS
	Extreme(-10°C)		2570.536	2579.464	2570-2620	PASS
	Extreme(-20°C)		2570.621	2579.379	2570-2620	PASS
	Extreme(-30°C)		2570.584	2579.416	2570-2620	PASS
	25°C	LV	2570.503	2579.497	2570-2620	PASS
		HV	2570.510	2579.490	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2577.5	Bandwidth	15MHz	QPSK			
	Temperature	Voltage				

	Extreme(50°C)	NV	2570.758	2584.242	2570-2620	PASS
	Extreme(40°C)		2570.756	2584.244	2570-2620	PASS
	Extreme(30°C)		2570.768	2584.232	2570-2620	PASS
	Extreme(20°C)		2570.729	2584.271	2570-2620	PASS
	Extreme(10°C)		2570.712	2584.288	2570-2620	PASS
	Extreme(0°C)		2570.753	2584.247	2570-2620	PASS
	Extreme(-10°C)		2570.774	2584.226	2570-2620	PASS
	Extreme(-20°C)		2570.714	2584.286	2570-2620	PASS
	Extreme(-30°C)		2570.723	2584.277	2570-2620	PASS
	25°C	LV	2570.757	2584.243	2570-2620	PASS
HV		2570.708	2584.292	2570-2620	PASS	
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2580	Bandwidth	20MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	2571.026	2588.974	2570-2620	PASS
	Extreme(40°C)		2571.035	2588.965	2570-2620	PASS
	Extreme(30°C)		2571.009	2588.991	2570-2620	PASS
	Extreme(20°C)		2571.002	2588.998	2570-2620	PASS
	Extreme(10°C)		2571.018	2588.982	2570-2620	PASS
	Extreme(0°C)		2571.018	2588.982	2570-2620	PASS
	Extreme(-10°C)		2571.003	2588.997	2570-2620	PASS
	Extreme(-20°C)		2571.030	2588.970	2570-2620	PASS
	Extreme(-30°C)		2571.005	2588.995	2570-2620	PASS
	25°C	LV	2571.039	2588.961	2570-2620	PASS
HV		2571.044	2588.956	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(50°C)	NV	2615.243	2619.757	2570-2620	PASS
	Extreme(40°C)		2615.233	2619.767	2570-2620	PASS
	Extreme(30°C)		2615.217	2619.783	2570-2620	PASS
	Extreme(20°C)		2615.241	2619.759	2570-2620	PASS
	Extreme(10°C)		2615.233	2619.767	2570-2620	PASS
	Extreme(0°C)		2615.261	2619.739	2570-2620	PASS
	Extreme(-10°C)		2615.287	2619.713	2570-2620	PASS
	Extreme(-20°C)		2615.279	2619.721	2570-2620	PASS
	Extreme(-30°C)		2615.262	2619.738	2570-2620	PASS
	25°C	LV	2615.288	2619.712	2570-2620	PASS
HV		2615.286	2619.714	2570-2620	PASS	
LTE B38	Condition		F Low	F High	Limit (MHz)	Verdict

Fc(MHz)			(MHz)	(MHz)		
2615	Bandwidth	10MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	2610.532	2619.468	2570-2620	PASS
	Extreme(40°C)		2610.584	2619.416	2570-2620	PASS
	Extreme(30°C)		2610.532	2619.468	2570-2620	PASS
	Extreme(20°C)		2610.541	2619.459	2570-2620	PASS
	Extreme(10°C)		2610.601	2619.399	2570-2620	PASS
	Extreme(0°C)		2610.645	2619.355	2570-2620	PASS
	Extreme(-10°C)		2610.538	2619.462	2570-2620	PASS
	Extreme(-20°C)		2610.592	2619.408	2570-2620	PASS
	Extreme(-30°C)		2610.541	2619.459	2570-2620	PASS
	25°C	LV	2610.593	2619.407	2570-2620	PASS
		HV	2610.508	2619.492	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	2605.790	2619.210	2570-2620	PASS
	Extreme(40°C)		2605.783	2619.217	2570-2620	PASS
	Extreme(30°C)		2605.715	2619.285	2570-2620	PASS
	Extreme(20°C)		2605.749	2619.251	2570-2620	PASS
	Extreme(10°C)		2605.762	2619.238	2570-2620	PASS
	Extreme(0°C)		2605.751	2619.249	2570-2620	PASS
	Extreme(-10°C)		2605.714	2619.286	2570-2620	PASS
	Extreme(-20°C)		2605.725	2619.275	2570-2620	PASS
	Extreme(-30°C)		2605.754	2619.246	2570-2620	PASS
	25°C	LV	2605.727	2619.273	2570-2620	PASS
		HV	2605.759	2619.241	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	2600.982	2619.018	2570-2620	PASS
	Extreme(40°C)		2600.994	2619.006	2570-2620	PASS
	Extreme(30°C)		2600.954	2619.046	2570-2620	PASS
	Extreme(20°C)		2600.974	2619.026	2570-2620	PASS
	Extreme(10°C)		2600.928	2619.072	2570-2620	PASS
	Extreme(0°C)		2600.907	2619.093	2570-2620	PASS
	Extreme(-10°C)		2600.923	2619.077	2570-2620	PASS
	Extreme(-20°C)		2600.941	2619.059	2570-2620	PASS

	Extreme(-30°C)		2600.933	2619.067	2570-2620	PASS
	25°C	LV	2600.953	2619.047	2570-2620	PASS
		HV	2600.993	2619.007	2570-2620	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2498.5	Bandwidth	5MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	2496.294	2500.706	2496-2690	PASS
	Extreme(40°C)		2496.206	2500.794	2496-2690	PASS
	Extreme(30°C)		2496.289	2500.711	2496-2690	PASS
	Extreme(20°C)		2496.220	2500.780	2496-2690	PASS
	Extreme(10°C)		2496.235	2500.765	2496-2690	PASS
	Extreme(0°C)		2496.287	2500.713	2496-2690	PASS
	Extreme(-10°C)		2496.251	2500.749	2496-2690	PASS
	Extreme(-20°C)		2496.217	2500.783	2496-2690	PASS
	Extreme(-30°C)		2496.294	2500.706	2496-2690	PASS
	25°C	LV	2496.203	2500.797	2496-2690	PASS
		HV	2496.244	2500.756	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2501	Bandwidth	10MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	2496.559	2505.441	2496-2690	PASS
	Extreme(40°C)		2496.582	2505.418	2496-2690	PASS
	Extreme(30°C)		2496.566	2505.434	2496-2690	PASS
	Extreme(20°C)		2496.549	2505.451	2496-2690	PASS
	Extreme(10°C)		2496.628	2505.372	2496-2690	PASS
	Extreme(0°C)		2496.632	2505.368	2496-2690	PASS
	Extreme(-10°C)		2496.511	2505.489	2496-2690	PASS
	Extreme(-20°C)		2496.535	2505.465	2496-2690	PASS
	Extreme(-30°C)		2496.555	2505.445	2496-2690	PASS
	25°C	LV	2496.639	2505.361	2496-2690	PASS
		HV	2496.549	2505.451	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2503.5	Bandwidth	15MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	2496.790	2510.210	2496-2690	PASS
	Extreme(40°C)		2496.772	2510.228	2496-2690	PASS
	Extreme(30°C)		2496.736	2510.264	2496-2690	PASS
	Extreme(20°C)		2496.789	2510.211	2496-2690	PASS

	Extreme(10°C)		2496.733	2510.267	2496-2690	PASS
	Extreme(0°C)		2496.715	2510.285	2496-2690	PASS
	Extreme(-10°C)		2496.704	2510.296	2496-2690	PASS
	Extreme(-20°C)		2496.786	2510.214	2496-2690	PASS
	Extreme(-30°C)		2496.741	2510.259	2496-2690	PASS
	25°C	LV	2496.744	2510.256	2496-2690	PASS
		HV	2496.744	2510.256	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2506	Bandwidth	20MHz	QPSK			
	Temperature	Voltage				
	Extreme(50°C)	NV	2497.000	2515.000	2496-2690	PASS
	Extreme(40°C)		2497.000	2515.000	2496-2690	PASS
	Extreme(30°C)		2497.030	2514.970	2496-2690	PASS
	Extreme(20°C)		2497.048	2514.952	2496-2690	PASS
	Extreme(10°C)		2497.001	2514.999	2496-2690	PASS
	Extreme(0°C)		2497.038	2514.962	2496-2690	PASS
	Extreme(-10°C)		2497.044	2514.956	2496-2690	PASS
	Extreme(-20°C)		2497.012	2514.988	2496-2690	PASS
	Extreme(-30°C)		2497.040	2514.960	2496-2690	PASS
	25°C	LV	2497.030	2514.970	2496-2690	PASS
		HV	2497.001	2514.999	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2687.5	Bandwidth	5MHz	QPSK			
	Temperature	Voltage				
	Extreme(50°C)	NV	2685.263	2689.737	2496-2690	PASS
	Extreme(40°C)		2685.242	2689.758	2496-2690	PASS
	Extreme(30°C)		2685.258	2689.742	2496-2690	PASS
	Extreme(20°C)		2685.200	2689.800	2496-2690	PASS
	Extreme(10°C)		2685.226	2689.774	2496-2690	PASS
	Extreme(0°C)		2685.260	2689.740	2496-2690	PASS
	Extreme(-10°C)		2685.215	2689.785	2496-2690	PASS
	Extreme(-20°C)		2685.216	2689.784	2496-2690	PASS
	Extreme(-30°C)		2685.235	2689.765	2496-2690	PASS
	25°C	LV	2685.263	2689.737	2496-2690	PASS
		HV	2685.275	2689.725	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2685	Bandwidth	10MHz	QPSK			
	Temperature	Voltage				

	Extreme(50°C)	NV	2680.639	2689.361	2496-2690	PASS
	Extreme(40°C)		2680.584	2689.416	2496-2690	PASS
	Extreme(30°C)		2680.586	2689.414	2496-2690	PASS
	Extreme(20°C)		2680.536	2689.464	2496-2690	PASS
	Extreme(10°C)		2680.544	2689.456	2496-2690	PASS
	Extreme(0°C)		2680.500	2689.500	2496-2690	PASS
	Extreme(-10°C)		2680.577	2689.423	2496-2690	PASS
	Extreme(-20°C)		2680.563	2689.437	2496-2690	PASS
	Extreme(-30°C)		2680.644	2689.356	2496-2690	PASS
	25°C	LV	2680.524	2689.476	2496-2690	PASS
		HV	2680.573	2689.427	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(50°C)	NV	2675.706	2689.294	2496-2690	PASS
	Extreme(40°C)		2675.797	2689.203	2496-2690	PASS
	Extreme(30°C)		2675.777	2689.223	2496-2690	PASS
	Extreme(20°C)		2675.717	2689.283	2496-2690	PASS
	Extreme(10°C)		2675.714	2689.286	2496-2690	PASS
	Extreme(0°C)		2675.720	2689.280	2496-2690	PASS
	Extreme(-10°C)		2675.748	2689.252	2496-2690	PASS
	Extreme(-20°C)		2675.779	2689.221	2496-2690	PASS
	Extreme(-30°C)		2675.765	2689.235	2496-2690	PASS
	25°C	LV	2675.705	2689.295	2496-2690	PASS
		HV	2675.738	2689.262	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2680	Bandwidth	20MHz				
	Temperature	Voltage	QPSK			
	Extreme(50°C)	NV	2670.903	2689.097	2496-2690	PASS
	Extreme(40°C)		2670.928	2689.072	2496-2690	PASS
	Extreme(30°C)		2670.947	2689.053	2496-2690	PASS
	Extreme(20°C)		2670.942	2689.058	2496-2690	PASS
	Extreme(10°C)		2670.994	2689.006	2496-2690	PASS
	Extreme(0°C)		2670.938	2689.062	2496-2690	PASS
	Extreme(-10°C)		2670.938	2689.062	2496-2690	PASS
	Extreme(-20°C)		2670.932	2689.068	2496-2690	PASS
	Extreme(-30°C)		2670.942	2689.058	2496-2690	PASS
	25°C	LV	2670.916	2689.084	2496-2690	PASS
		HV	2670.942	2689.058	2496-2690	PASS

Variant

	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	Temperature	Voltage	GMSK	GMSK	
GSM850	Extreme (50°C)	NV	16.64	0.01990	PASS
	Extreme (40°C)		15.20	0.01817	PASS
	Extreme (30°C)		2.87	0.00343	PASS
	Extreme (20°C)		17.97	0.02148	PASS
	Extreme (10°C)		16.72	0.01998	PASS
	Extreme (0°C)		8.69	0.01039	PASS
	Extreme (-10°C)		7.61	0.00910	PASS
	Extreme (-20°C)		6.17	0.00737	PASS
	Extreme (-30°C)		4.12	0.00492	PASS
	25°C	LV	12.66	0.01513	PASS
		HV	11.90	0.01423	PASS

GSM1900 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1850.2	BANDWIDTH	0.2MHz				
	Temperature	Voltage	GSMK			
	Extreme (50℃)	NV	1850.068	1850.332	1850-1910	PASS
	Extreme (40℃)		1850.071	1850.329	1850-1910	PASS
	Extreme (30℃)		1850.063	1850.337	1850-1910	PASS
	Extreme (20℃)		1850.065	1850.335	1850-1910	PASS
	Extreme (10℃)		1850.062	1850.338	1850-1910	PASS
	Extreme (0℃)		1850.079	1850.321	1850-1910	PASS
	Extreme (-10℃)		1850.069	1850.331	1850-1910	PASS
	Extreme (-20℃)		1850.078	1850.322	1850-1910	PASS
	Extreme (-30℃)		1850.074	1850.326	1850-1910	PASS
	25℃	LV	1850.075	1850.325	1850-1910	PASS
		HV	1850.070	1850.330	1850-1910	PASS
GSM1900 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1909.8	BANDWIDTH	0.2MHz				
	Temperature	Voltage	GSMK			
	Extreme (50℃)	NV	1909.678	1909.922	1850-1910	PASS
	Extreme (40℃)		1909.665	1909.935	1850-1910	PASS
	Extreme (30℃)		1909.673	1909.927	1850-1910	PASS
	Extreme (20℃)		1909.677	1909.923	1850-1910	PASS
	Extreme (10℃)		1909.668	1909.932	1850-1910	PASS

	Extreme (0°C)		1909.661	1909.939	1850-1910	PASS
	Extreme (-10°C)		1909.676	1909.924	1850-1910	PASS
	Extreme (-20°C)		1909.675	1909.925	1850-1910	PASS
	Extreme (-30°C)		1909.675	1909.925	1850-1910	PASS
	25°C	LV	1909.662	1909.938	1850-1910	PASS
		HV	1909.678	1909.922	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 (50°C)	NV	1850.325	1854.475	1850-1910	PASS
	Extreme (40°C)		1850.320	1854.480	1850-1910	PASS
	Extreme (30°C)		1850.325	1854.475	1850-1910	PASS
	Extreme (20°C)		1850.320	1854.480	1850-1910	PASS
	Extreme (10°C)		1850.321	1854.479	1850-1910	PASS
	Extreme (0°C)		1850.326	1854.474	1850-1910	PASS
	Extreme (-10°C)		1850.315	1854.485	1850-1910	PASS
	Extreme (-20°C)		1850.327	1854.473	1850-1910	PASS
	Extreme (-30°C)		1850.330	1854.470	1850-1910	PASS
	25°C	LV	1850.319	1854.481	1850-1910	PASS
		HV	1850.325	1854.475	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 (50°C)	NV	1905.524	1909.676	1850-1910	PASS
	Extreme (40°C)		1905.520	1909.680	1850-1910	PASS
	Extreme (30°C)		1905.523	1909.677	1850-1910	PASS
	Extreme (20°C)		1905.516	1909.684	1850-1910	PASS
	Extreme (10°C)		1905.521	1909.679	1850-1910	PASS
	Extreme (0°C)		1905.529	1909.671	1850-1910	PASS
	Extreme (-10°C)		1905.515	1909.685	1850-1910	PASS
	Extreme (-20°C)		1905.521	1909.679	1850-1910	PASS
	Extreme (-30°C)		1905.530	1909.670	1850-1910	PASS
	25°C	LV	1905.517	1909.683	1850-1910	PASS
		HV	1905.520	1909.680	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	1710.326	1714.474	1710-1755	PASS
	Extreme (40°C)		1710.324	1714.476	1710-1755	PASS
	Extreme (30°C)		1710.320	1714.480	1710-1755	PASS
	Extreme (20°C)		1710.324	1714.476	1710-1755	PASS
	Extreme (10°C)		1710.329	1714.471	1710-1755	PASS
	Extreme (0°C)		1710.322	1714.478	1710-1755	PASS
	Extreme (-10°C)		1710.315	1714.485	1710-1755	PASS
	Extreme (-20°C)		1710.318	1714.482	1710-1755	PASS
	Extreme (-30°C)		1710.329	1714.471	1710-1755	PASS
	25°C	LV	1710.324	1714.476	1710-1755	PASS
		HV	1710.327	1714.473	1710-1755	PASS
WCDMA B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1752.6	BANDWIDTH	5MHz	QPSK	QPSK	1710-1755	PASS
	Temperature	Voltage				
	Extreme (50°C)	NV	1750.516	1754.684	1710-1755	PASS
	Extreme (40°C)		1750.525	1754.675	1710-1755	PASS
	Extreme (30°C)		1750.527	1754.673	1710-1755	PASS
	Extreme (20°C)		1750.526	1754.674	1710-1755	PASS
	Extreme (10°C)		1750.516	1754.684	1710-1755	PASS
	Extreme (0°C)		1750.519	1754.681	1710-1755	PASS
	Extreme (-10°C)		1750.516	1754.684	1710-1755	PASS
	Extreme (-20°C)		1750.520	1754.680	1710-1755	PASS
	Extreme (-30°C)		1750.529	1754.671	1710-1755	PASS
	25°C	LV	1750.530	1754.670	1710-1755	PASS
		HV	1750.523	1754.677	1710-1755	PASS

WCDMA B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50°C)	NV	8.46	0.01012	PASS
	Extreme (40°C)		1.18	0.00141	PASS
	Extreme (30°C)		10.86	0.01299	PASS
	Extreme (20°C)		9.67	0.01156	PASS
	Extreme (10°C)		14.11	0.01687	PASS
	Extreme (0°C)		3.95	0.00472	PASS
	Extreme (-10°C)		4.00	0.00478	PASS
	Extreme (-20°C)		17.05	0.02038	PASS
	Extreme (-30°C)		8.50	0.01016	PASS
	25°C	LV	8.52	0.01018	PASS
		HV	8.58	0.01026	PASS

LTE B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz	QPSK	QPSK	
	Extreme (50°C)	NV	6.52	0.00779	PASS
	Extreme (40°C)		4.94	0.00590	PASS
	Extreme (30°C)		15.03	0.01797	PASS
	Extreme (20°C)		3.59	0.00430	PASS
	Extreme (10°C)		1.03	0.00123	PASS
	Extreme (0°C)		7.00	0.00836	PASS
	Extreme (-10°C)		5.23	0.00625	PASS
	Extreme (-20°C)		2.93	0.00350	PASS
	Extreme (-30°C)		9.16	0.01096	PASS
	25°C	LV	2.98	0.00357	PASS
		HV	15.09	0.01804	PASS

LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1860	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1851.016	1868.984	1850-1910	PASS
	Extreme (40℃)		1851.031	1868.969	1850-1910	PASS
	Extreme (30℃)		1851.031	1868.969	1850-1910	PASS
	Extreme (20℃)		1851.028	1868.972	1850-1910	PASS
	Extreme (10℃)		1851.037	1868.963	1850-1910	PASS

	Extreme (0°C)		1851.031	1868.969	1850-1910	PASS
	Extreme (-10°C)		1851.027	1868.973	1850-1910	PASS
	Extreme (-20°C)		1851.005	1868.995	1850-1910	PASS
	Extreme (-30°C)		1851.031	1868.969	1850-1910	PASS
	25°C	LV	1851.042	1868.958	1850-1910	PASS
		HV	1851.035	1868.965	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1900	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	1890.934	1909.066	1850-1910	PASS
	Extreme (40°C)		1890.947	1909.053	1850-1910	PASS
	Extreme (30°C)		1890.984	1909.016	1850-1910	PASS
	Extreme (20°C)		1890.923	1909.077	1850-1910	PASS
	Extreme (10°C)		1890.924	1909.076	1850-1910	PASS
	Extreme (0°C)		1890.972	1909.028	1850-1910	PASS
	Extreme (-10°C)		1890.994	1909.006	1850-1910	PASS
	Extreme (-20°C)		1890.988	1909.012	1850-1910	PASS
	Extreme (-30°C)		1890.981	1909.019	1850-1910	PASS
	25°C	LV	1890.995	1909.005	1850-1910	PASS
		HV	1890.979	1909.021	1850-1910	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1720	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	1711.035	1728.965	1710-1755	PASS
	Extreme (40°C)		1711.009	1728.991	1710-1755	PASS
	Extreme (30°C)		1711.002	1728.998	1710-1755	PASS
	Extreme (20°C)		1711.027	1728.973	1710-1755	PASS
	Extreme (10°C)		1711.021	1728.979	1710-1755	PASS
	Extreme (0°C)		1711.050	1728.950	1710-1755	PASS
	Extreme (-10°C)		1711.004	1728.996	1710-1755	PASS
	Extreme (-20°C)		1711.024	1728.976	1710-1755	PASS
	Extreme (-30°C)		1711.035	1728.965	1710-1755	PASS
	25°C	LV	1711.004	1728.996	1710-1755	PASS
		HV	1711.044	1728.956	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1745	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	1735.977	1754.023	1710-1755	PASS

	Extreme (40°C)		1735.916	1754.084	1710-1755	PASS
	Extreme (30°C)		1735.906	1754.094	1710-1755	PASS
	Extreme (20°C)		1736.000	1754.000	1710-1755	PASS
	Extreme (10°C)		1735.920	1754.080	1710-1755	PASS
	Extreme (0°C)		1735.955	1754.045	1710-1755	PASS
	Extreme (-10°C)		1735.977	1754.023	1710-1755	PASS
	Extreme (-20°C)		1735.913	1754.087	1710-1755	PASS
	Extreme (-30°C)		1735.974	1754.026	1710-1755	PASS
	25°C	LV	1735.987	1754.013	1710-1755	PASS
		HV	1735.915	1754.085	1710-1755	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2505	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	2500.550	2509.450	2500-2570	PASS
	Extreme (40°C)		2500.614	2509.386	2500-2570	PASS
	Extreme (30°C)		2500.585	2509.415	2500-2570	PASS
	Extreme (20°C)		2500.637	2509.363	2500-2570	PASS
	Extreme (10°C)		2500.632	2509.368	2500-2570	PASS
	Extreme (0°C)		2500.639	2509.361	2500-2570	PASS
	Extreme (-10°C)		2500.543	2509.457	2500-2570	PASS
	Extreme (-20°C)		2500.501	2509.499	2500-2570	PASS
	Extreme (-30°C)		2500.523	2509.477	2500-2570	PASS
	25°C	LV	2500.532	2509.468	2500-2570	PASS
		HV	2500.612	2509.388	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2565	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	2560.640	2569.360	2500-2570	PASS
	Extreme (40°C)		2560.561	2569.439	2500-2570	PASS
	Extreme (30°C)		2560.646	2569.354	2500-2570	PASS
	Extreme (20°C)		2560.522	2569.478	2500-2570	PASS
	Extreme (10°C)		2560.611	2569.389	2500-2570	PASS
	Extreme (0°C)		2560.550	2569.450	2500-2570	PASS
	Extreme (-10°C)		2560.535	2569.465	2500-2570	PASS
	Extreme (-20°C)		2560.610	2569.390	2500-2570	PASS
	Extreme (-30°C)		2560.625	2569.375	2500-2570	PASS
	25°C	LV	2560.541	2569.459	2500-2570	PASS
		HV	2560.553	2569.447	2500-2570	PASS

BAND26 (824-849)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	1.4MHz			
	Temperature	Voltage	QPSK	QPSK	
BAND26 (824-849)	Extreme (50°C)	NV	4.41	0.00527	PASS
	Extreme (40°C)		10.36	0.01238	PASS
	Extreme (30°C)		10.44	0.01249	PASS
	Extreme (20°C)		17.63	0.02108	PASS
	Extreme (10°C)		10.11	0.01209	PASS
	Extreme (0°C)		7.63	0.00913	PASS
	Extreme (-10°C)		13.99	0.01673	PASS
	Extreme (-20°C)		15.64	0.01869	PASS
	Extreme (-30°C)		13.50	0.01614	PASS
	25°C	LV	7.42	0.00887	PASS
		HV	12.30	0.01470	PASS
BAND26 (814-824)	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	1.4MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50°C)	NV	11.40	0.01391	PASS
	Extreme (40°C)		12.68	0.01548	PASS
	Extreme (30°C)		10.41	0.01271	PASS
	Extreme (20°C)		4.99	0.00610	PASS
	Extreme (10°C)		4.56	0.00557	PASS
	Extreme (0°C)		11.67	0.01425	PASS
	Extreme (-10°C)		11.34	0.01385	PASS
	Extreme (-20°C)		4.36	0.00532	PASS
	Extreme (-30°C)		2.44	0.00298	PASS
	25°C	LV	2.75	0.00336	PASS
		HV	12.16	0.01484	PASS

LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2580	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme（50℃）	NV	2571.015	2588.985	2570-2620	PASS
	Extreme（40℃）		2571.046	2588.954	2570-2620	PASS
	Extreme（30℃）		2571.025	2588.975	2570-2620	PASS
	Extreme（20℃）		2571.006	2588.994	2570-2620	PASS
	Extreme（10℃）		2571.023	2588.977	2570-2620	PASS

	Extreme (0°C)		2571.015	2588.985	2570-2620	PASS
	Extreme (-10°C)		2571.031	2588.969	2570-2620	PASS
	Extreme (-20°C)		2571.037	2588.963	2570-2620	PASS
	Extreme (-30°C)		2571.008	2588.992	2570-2620	PASS
	25°C	LV	2571.018	2588.982	2570-2620	PASS
		HV	2571.036	2588.964	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	2600.974	2619.026	2570-2620	PASS
	Extreme (40°C)		2600.903	2619.097	2570-2620	PASS
	Extreme (30°C)		2600.973	2619.027	2570-2620	PASS
	Extreme (20°C)		2600.905	2619.095	2570-2620	PASS
	Extreme (10°C)		2600.917	2619.083	2570-2620	PASS
	Extreme (0°C)		2600.937	2619.063	2570-2620	PASS
	Extreme (-10°C)		2600.902	2619.098	2570-2620	PASS
	Extreme (-20°C)		2600.923	2619.077	2570-2620	PASS
	Extreme (-30°C)		2600.958	2619.042	2570-2620	PASS
	25°C	LV	2600.917	2619.083	2570-2620	PASS
		HV	2600.927	2619.073	2570-2620	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2506	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	2497.008	2514.992	2496-2690	PASS
	Extreme (40°C)		2497.048	2514.952	2496-2690	PASS
	Extreme (30°C)		2497.024	2514.976	2496-2690	PASS
	Extreme (20°C)		2497.032	2514.968	2496-2690	PASS
	Extreme (10°C)		2497.023	2514.977	2496-2690	PASS
	Extreme (0°C)		2497.035	2514.965	2496-2690	PASS
	Extreme (-10°C)		2497.010	2514.990	2496-2690	PASS
	Extreme (-20°C)		2497.040	2514.960	2496-2690	PASS
	Extreme (-30°C)		2497.024	2514.976	2496-2690	PASS
	25°C	LV	2497.004	2514.996	2496-2690	PASS
		HV	2497.025	2514.975	2496-2690	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

2680	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50°C)	NV	2670.903	2689.097	2496-2690	PASS
	Extreme (40°C)		2670.964	2689.036	2496-2690	PASS
	Extreme (30°C)		2670.978	2689.022	2496-2690	PASS
	Extreme (20°C)		2670.930	2689.070	2496-2690	PASS
	Extreme (10°C)		2670.953	2689.047	2496-2690	PASS
	Extreme (0°C)		2670.930	2689.070	2496-2690	PASS
	Extreme (-10°C)		2670.919	2689.081	2496-2690	PASS
	Extreme (-20°C)		2670.965	2689.035	2496-2690	PASS
	Extreme (-30°C)		2670.904	2689.096	2496-2690	PASS
	25°C	LV	2670.932	2689.068	2496-2690	PASS
		HV	2670.991	2689.009	2496-2690	PASS