

Frequency Stability

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℃)	NV	1850.322	1854.478	1850-1910	PASS
	Extreme (40℃)		1850.318	1854.482	1850-1910	PASS
	Extreme (30℃)		1850.329	1854.471	1850-1910	PASS
	Extreme (20℃)		1850.328	1854.472	1850-1910	PASS
	Extreme (10℃)		1850.320	1854.480	1850-1910	PASS
	Extreme (0℃)		1850.317	1854.483	1850-1910	PASS
	Extreme (-10℃)		1850.318	1854.482	1850-1910	PASS
	Extreme (-20℃)		1850.326	1854.474	1850-1910	PASS
	Extreme (-30℃)		1850.328	1854.472	1850-1910	PASS
	20℃	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	QPSK	1850-1910	PASS
	Temperature	Voltage				
	Extreme (50℃)	NV	1905.519	1909.681	1850-1910	PASS
	Extreme (40℃)		1905.518	1909.682	1850-1910	PASS
	Extreme (30℃)		1905.527	1909.673	1850-1910	PASS
	Extreme (20℃)		1905.523	1909.677	1850-1910	PASS
	Extreme (10℃)		1905.520	1909.680	1850-1910	PASS
	Extreme (0℃)		1905.519	1909.681	1850-1910	PASS
	Extreme (-10℃)		1905.529	1909.671	1850-1910	PASS
	Extreme (-20℃)		1905.529	1909.671	1850-1910	PASS
	Extreme (-30℃)		1905.521	1909.679	1850-1910	PASS
	20℃	LV	1905.520	1909.680	1850-1910	PASS
		HV	1905.525	1909.675	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℃)	NV	1710.316	1714.484	1710-1755	PASS
	Extreme (40℃)		1710.316	1714.484	1710-1755	PASS
	Extreme (30℃)		1710.329	1714.471	1710-1755	PASS
	Extreme (20℃)		1710.322	1714.478	1710-1755	PASS
	Extreme (10℃)		1710.325	1714.475	1710-1755	PASS
	Extreme (0℃)		1710.320	1714.480	1710-1755	PASS
	Extreme (-10℃)		1710.323	1714.477	1710-1755	PASS
	Extreme (-20℃)		1710.317	1714.483	1710-1755	PASS
	Extreme (-30℃)		1710.316	1714.484	1710-1755	PASS
	20℃	LV	1710.324	1714.476	1710-1755	PASS
		HV	1710.329	1714.471	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℃)	NV	1750.518	1754.682	1710-1755	PASS
	Extreme (40℃)		1750.529	1754.671	1710-1755	PASS
	Extreme (30℃)		1750.515	1754.685	1710-1755	PASS
	Extreme (20℃)		1750.528	1754.672	1710-1755	PASS
	Extreme (10℃)		1750.522	1754.678	1710-1755	PASS
	Extreme (0℃)		1750.527	1754.673	1710-1755	PASS
	Extreme (-10℃)		1750.518	1754.682	1710-1755	PASS
	Extreme (-20℃)		1750.520	1754.680	1710-1755	PASS
	Extreme (-30℃)		1750.525	1754.675	1710-1755	PASS
	20℃	LV	1750.527	1754.673	1710-1755	PASS
		HV	1750.521	1754.679	1710-1755	PASS

	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	Temperature	Voltage	QPSK	QPSK	
WCDMA B5	Extreme (50℃)	NV	12.33	0.01473	PASS
	Extreme (40℃)		6.19	0.00739	PASS
	Extreme (30℃)		5.82	0.00696	PASS
	Extreme (20℃)		11.65	0.01392	PASS
	Extreme (10℃)		6.77	0.00809	PASS
	Extreme (0℃)		8.91	0.01064	PASS
	Extreme (-10℃)		7.04	0.00842	PASS
	Extreme (-20℃)		13.80	0.01649	PASS
	Extreme (-30℃)		16.54	0.01978	PASS
	20℃	LV	11.86	0.01417	PASS
		HV	7.46	0.00892	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℃)	NV	1850.147	1851.253	1850-1910	PASS
	Extreme (40℃)		1850.147	1851.253	1850-1910	PASS
	Extreme (30℃)		1850.146	1851.254	1850-1910	PASS
	Extreme (20℃)		1850.145	1851.255	1850-1910	PASS
	Extreme (10℃)		1850.149	1851.251	1850-1910	PASS
	Extreme (0℃)		1850.145	1851.255	1850-1910	PASS
	Extreme (-10℃)		1850.148	1851.252	1850-1910	PASS
	Extreme (-20℃)		1850.147	1851.253	1850-1910	PASS
	Extreme (-30℃)		1850.145	1851.255	1850-1910	PASS
	20℃	LV	1850.148	1851.252	1850-1910	PASS
		HV	1850.146	1851.254	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1851.5	BANDWIDTH	3MHz	QPSK	QPSK	1850-1910	PASS
	Temperature	Voltage				
	Extreme (50℃)	NV	1850.149	1852.851	1850-1910	PASS
	Extreme (40℃)		1850.149	1852.851	1850-1910	PASS
	Extreme (30℃)		1850.149	1852.851	1850-1910	PASS
	Extreme (20℃)		1850.149	1852.851	1850-1910	PASS
	Extreme (10℃)		1850.145	1852.855	1850-1910	PASS
	Extreme (0℃)		1850.147	1852.853	1850-1910	PASS
	Extreme (-10℃)		1850.149	1852.851	1850-1910	PASS
	Extreme (-20℃)		1850.149	1852.851	1850-1910	PASS
	Extreme (-30℃)		1850.148	1852.852	1850-1910	PASS
	20℃	LV	1850.148	1852.852	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℃)	NV	1850.225	1854.775	1850-1910	PASS
	Extreme (40℃)		1850.218	1854.782	1850-1910	PASS
	Extreme (30℃)		1850.259	1854.741	1850-1910	PASS
	Extreme (20℃)		1850.261	1854.739	1850-1910	PASS
	Extreme (10℃)		1850.200	1854.800	1850-1910	PASS
	Extreme (0℃)		1850.247	1854.753	1850-1910	PASS
	Extreme (-10℃)		1850.272	1854.728	1850-1910	PASS

	Extreme (-20℃)		1850.236	1854.764	1850-1910	PASS
	Extreme (-30℃)		1850.252	1854.748	1850-1910	PASS
	20℃	LV	1850.271	1854.729	1850-1910	PASS
		HV	1850.296	1854.704	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1855	BANDWIDTH	10MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50℃)	NV	1850.567	1859.433	1850-1910	PASS
	Extreme (40℃)		1850.521	1859.479	1850-1910	PASS
	Extreme (30℃)		1850.645	1859.355	1850-1910	PASS
	Extreme (20℃)		1850.621	1859.379	1850-1910	PASS
	Extreme (10℃)		1850.638	1859.362	1850-1910	PASS
	Extreme (0℃)		1850.531	1859.469	1850-1910	PASS
	Extreme (-10℃)		1850.638	1859.362	1850-1910	PASS
	Extreme (-20℃)		1850.536	1859.464	1850-1910	PASS
	Extreme (-30℃)		1850.638	1859.362	1850-1910	PASS
	20℃	LV	1850.566	1859.434	1850-1910	PASS
		HV	1850.544	1859.456	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1857.5	BANDWIDTH	15MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50℃)	NV	1850.764	1864.236	1850-1910	PASS
	Extreme (40℃)		1850.718	1864.282	1850-1910	PASS
	Extreme (30℃)		1850.709	1864.291	1850-1910	PASS
	Extreme (20℃)		1850.737	1864.263	1850-1910	PASS
	Extreme (10℃)		1850.717	1864.283	1850-1910	PASS
	Extreme (0℃)		1850.763	1864.237	1850-1910	PASS
	Extreme (-10℃)		1850.794	1864.206	1850-1910	PASS
	Extreme (-20℃)		1850.785	1864.215	1850-1910	PASS
	Extreme (-30℃)		1850.748	1864.252	1850-1910	PASS
	20℃	LV	1850.707	1864.293	1850-1910	PASS
		HV	1850.745	1864.255	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1860	BANDWIDTH	20MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50℃)	NV	1851.007	1868.993	1850-1910	PASS
	Extreme (40℃)		1851.005	1868.995	1850-1910	PASS
	Extreme (30℃)		1851.033	1868.967	1850-1910	PASS

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	Extreme (20℃)		1851.017	1868.983	1850-1910	PASS
	Extreme (10℃)		1851.030	1868.970	1850-1910	PASS
	Extreme (0℃)		1851.011	1868.989	1850-1910	PASS
	Extreme (-10℃)		1851.023	1868.977	1850-1910	PASS
	Extreme (-20℃)		1851.005	1868.995	1850-1910	PASS
	Extreme (-30℃)		1851.034	1868.966	1850-1910	PASS
	20℃	LV	1851.030	1868.970	1850-1910	PASS
		HV	1851.032	1868.968	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℃)	NV	1908.746	1909.854	1850-1910	PASS
	Extreme (40℃)		1908.750	1909.850	1850-1910	PASS
	Extreme (30℃)		1908.747	1909.853	1850-1910	PASS
	Extreme (20℃)		1908.747	1909.853	1850-1910	PASS
	Extreme (10℃)		1908.746	1909.854	1850-1910	PASS
	Extreme (0℃)		1908.746	1909.854	1850-1910	PASS
	Extreme (-10℃)		1908.745	1909.855	1850-1910	PASS
	Extreme (-20℃)		1908.750	1909.850	1850-1910	PASS
	Extreme (-30℃)		1908.745	1909.855	1850-1910	PASS
	20℃	LV	1908.747	1909.853	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℃)	NV	1907.147	1909.853	1850-1910	PASS
	Extreme (40℃)		1907.148	1909.852	1850-1910	PASS
	Extreme (30℃)		1907.149	1909.851	1850-1910	PASS
	Extreme (20℃)		1907.148	1909.852	1850-1910	PASS
	Extreme (10℃)		1907.149	1909.851	1850-1910	PASS
	Extreme (0℃)		1907.149	1909.851	1850-1910	PASS
	Extreme (-10℃)		1907.145	1909.855	1850-1910	PASS
	Extreme (-20℃)		1907.146	1909.854	1850-1910	PASS
	Extreme (-30℃)		1907.148	1909.852	1850-1910	PASS
	20℃	LV	1907.146	1909.854	1850-1910	PASS
		HV	1907.148	1909.852	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

RF Test Report			Report No.: EPTA23040240-LE-07-R1E			
1907.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1905.240	1909.760	1850-1910	PASS
	Extreme (40℃)		1905.264	1909.736	1850-1910	PASS
	Extreme (30℃)		1905.203	1909.797	1850-1910	PASS
	Extreme (20℃)		1905.202	1909.798	1850-1910	PASS
	Extreme (10℃)		1905.225	1909.775	1850-1910	PASS
	Extreme (0℃)		1905.235	1909.765	1850-1910	PASS
	Extreme (-10℃)		1905.275	1909.725	1850-1910	PASS
	Extreme (-20℃)		1905.293	1909.707	1850-1910	PASS
	Extreme (-30℃)		1905.281	1909.719	1850-1910	PASS
	20℃	LV	1905.230	1909.770	1850-1910	PASS
HV		1905.210	1909.790	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℃)	NV	1900.611	1909.389	1850-1910	PASS
	Extreme (40℃)		1900.552	1909.448	1850-1910	PASS
	Extreme (30℃)		1900.628	1909.372	1850-1910	PASS
	Extreme (20℃)		1900.527	1909.473	1850-1910	PASS
	Extreme (10℃)		1900.624	1909.376	1850-1910	PASS
	Extreme (0℃)		1900.534	1909.466	1850-1910	PASS
	Extreme (-10℃)		1900.601	1909.399	1850-1910	PASS
	Extreme (-20℃)		1900.573	1909.427	1850-1910	PASS
	Extreme (-30℃)		1900.608	1909.392	1850-1910	PASS
	20℃	LV	1900.582	1909.418	1850-1910	PASS
HV		1900.628	1909.372	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℃)	NV	1895.767	1909.233	1850-1910	PASS
	Extreme (40℃)		1895.702	1909.298	1850-1910	PASS
	Extreme (30℃)		1895.789	1909.211	1850-1910	PASS
	Extreme (20℃)		1895.766	1909.234	1850-1910	PASS
	Extreme (10℃)		1895.730	1909.270	1850-1910	PASS
	Extreme (0℃)		1895.728	1909.272	1850-1910	PASS
	Extreme (-10℃)		1895.753	1909.247	1850-1910	PASS
	Extreme (-20℃)		1895.766	1909.234	1850-1910	PASS
Extreme (-30℃)	1895.752		1909.248	1850-1910	PASS	

	20℃	LV	1895.765	1909.235	1850-1910	PASS
		HV	1895.783	1909.217	1850-1910	PASS
LTE B2 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1900	BANDWIDTH	20MHz				
	Temperature	Voltage				
	Extreme (50℃)	NV	1890.954	1909.046	1850-1910	PASS
	Extreme (40℃)		1890.976	1909.024	1850-1910	PASS
	Extreme (30℃)		1890.995	1909.005	1850-1910	PASS
	Extreme (20℃)		1890.929	1909.071	1850-1910	PASS
	Extreme (10℃)		1890.986	1909.014	1850-1910	PASS
	Extreme (0℃)		1890.936	1909.064	1850-1910	PASS
	Extreme (-10℃)		1890.970	1909.030	1850-1910	PASS
	Extreme (-20℃)		1890.962	1909.038	1850-1910	PASS
	Extreme (-30℃)		1890.948	1909.052	1850-1910	PASS
	20℃	LV	1890.978	1909.022	1850-1910	PASS
		HV	1890.975	1909.025	1850-1910	PASS

LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1710.7	BANDWIDTH	1.4MHz				
	Temperature	Voltage				
	Extreme (50℃)	NV	1710.148	1711.252	1710-1755	PASS
	Extreme (40℃)		1710.146	1711.254	1710-1755	PASS
	Extreme (30℃)		1710.150	1711.250	1710-1755	PASS
	Extreme (20℃)		1710.150	1711.250	1710-1755	PASS
	Extreme (10℃)		1710.147	1711.253	1710-1755	PASS
	Extreme (0℃)		1710.149	1711.251	1710-1755	PASS
	Extreme (-10℃)		1710.145	1711.255	1710-1755	PASS
	Extreme (-20℃)		1710.147	1711.253	1710-1755	PASS
	Extreme (-30℃)		1710.147	1711.253	1710-1755	PASS
	20℃	LV	1710.145	1711.255	1710-1755	PASS
		HV	1710.146	1711.254	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1711.5	BANDWIDTH	3MHz				
	Temperature	Voltage				
	Extreme (50℃)	NV	1710.150	1712.850	1710-1755	PASS
	Extreme (40℃)		1710.149	1712.851	1710-1755	PASS
	Extreme (30℃)		1710.147	1712.853	1710-1755	PASS
	Extreme (20℃)		1710.148	1712.852	1710-1755	PASS

	Extreme (10℃)		1710.145	1712.855	1710-1755	PASS
	Extreme (0℃)		1710.149	1712.851	1710-1755	PASS
	Extreme (-10℃)		1710.145	1712.855	1710-1755	PASS
	Extreme (-20℃)		1710.150	1712.850	1710-1755	PASS
	Extreme (-30℃)		1710.149	1712.851	1710-1755	PASS
	20℃	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			
	Temperature	Voltage				
	Extreme (50℃)	NV	1710.222	1714.778	1710-1755	PASS
	Extreme (40℃)		1710.221	1714.779	1710-1755	PASS
	Extreme (30℃)		1710.246	1714.754	1710-1755	PASS
	Extreme (20℃)		1710.252	1714.748	1710-1755	PASS
	Extreme (10℃)		1710.239	1714.761	1710-1755	PASS
	Extreme (0℃)		1710.295	1714.705	1710-1755	PASS
	Extreme (-10℃)		1710.227	1714.773	1710-1755	PASS
	Extreme (-20℃)		1710.258	1714.742	1710-1755	PASS
	Extreme (-30℃)		1710.228	1714.772	1710-1755	PASS
	20℃	LV	1710.233	1714.767	1710-1755	PASS
		HV	1710.267	1714.733	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℃)	NV	1710.624	1719.376	1710-1755	PASS
	Extreme (40℃)		1710.537	1719.463	1710-1755	PASS
	Extreme (30℃)		1710.507	1719.493	1710-1755	PASS
	Extreme (20℃)		1710.636	1719.364	1710-1755	PASS
	Extreme (10℃)		1710.598	1719.402	1710-1755	PASS
	Extreme (0℃)		1710.547	1719.453	1710-1755	PASS
	Extreme (-10℃)		1710.577	1719.423	1710-1755	PASS
	Extreme (-20℃)		1710.513	1719.487	1710-1755	PASS
	Extreme (-30℃)		1710.583	1719.417	1710-1755	PASS
	20℃	LV	1710.537	1719.463	1710-1755	PASS
		HV	1710.607	1719.393	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1717.5	BANDWIDTH	15MHz				

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	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1710.781	1724.219	1710-1755	PASS
	Extreme (40℃)		1710.746	1724.254	1710-1755	PASS
	Extreme (30℃)		1710.717	1724.283	1710-1755	PASS
	Extreme (20℃)		1710.764	1724.236	1710-1755	PASS
	Extreme (10℃)		1710.766	1724.234	1710-1755	PASS
	Extreme (0℃)		1710.773	1724.227	1710-1755	PASS
	Extreme (-10℃)		1710.731	1724.269	1710-1755	PASS
	Extreme (-20℃)		1710.772	1724.228	1710-1755	PASS
	Extreme (-30℃)		1710.716	1724.284	1710-1755	PASS
	20℃	LV	1710.751	1724.249	1710-1755	PASS
		HV	1710.767	1724.233	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1720	BANDWIDTH	20MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1711.015	1728.985	1710-1755	PASS
	Extreme (40℃)		1711.032	1728.968	1710-1755	PASS
	Extreme (30℃)		1711.042	1728.958	1710-1755	PASS
	Extreme (20℃)		1711.026	1728.974	1710-1755	PASS
	Extreme (10℃)		1711.037	1728.963	1710-1755	PASS
	Extreme (0℃)		1711.040	1728.960	1710-1755	PASS
	Extreme (-10℃)		1711.040	1728.960	1710-1755	PASS
	Extreme (-20℃)		1711.007	1728.993	1710-1755	PASS
	Extreme (-30℃)		1711.003	1728.997	1710-1755	PASS
	20℃	LV	1711.001	1728.999	1710-1755	PASS
HV		1711.004	1728.996	1710-1755	PASS	
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1754.3	BANDWIDTH	1.4MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	1753.745	1754.855	1710-1755	PASS
	Extreme (40℃)		1753.748	1754.852	1710-1755	PASS
	Extreme (30℃)		1753.748	1754.852	1710-1755	PASS
	Extreme (20℃)		1753.748	1754.852	1710-1755	PASS
	Extreme (10℃)		1753.746	1754.854	1710-1755	PASS
	Extreme (0℃)		1753.746	1754.854	1710-1755	PASS
	Extreme (-10℃)		1753.747	1754.853	1710-1755	PASS
	Extreme (-20℃)		1753.748	1754.852	1710-1755	PASS
	Extreme (-30℃)		1753.746	1754.854	1710-1755	PASS
	20℃	LV	1753.748	1754.852	1710-1755	PASS

		HV	1753.747	1754.853	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1753.5	BANDWIDTH	3MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50℃)	NV	1752.149	1754.851	1710-1755	PASS
	Extreme (40℃)		1752.146	1754.854	1710-1755	PASS
	Extreme (30℃)		1752.147	1754.853	1710-1755	PASS
	Extreme (20℃)		1752.147	1754.853	1710-1755	PASS
	Extreme (10℃)		1752.147	1754.853	1710-1755	PASS
	Extreme (0℃)		1752.149	1754.851	1710-1755	PASS
	Extreme (-10℃)		1752.149	1754.851	1710-1755	PASS
	Extreme (-20℃)		1752.150	1754.850	1710-1755	PASS
	Extreme (-30℃)		1752.149	1754.851	1710-1755	PASS
	20℃	LV	1752.146	1754.854	1710-1755	PASS
		HV	1752.147	1754.853	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1752.5	BANDWIDTH	5MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50℃)	NV	1750.277	1754.723	1710-1755	PASS
	Extreme (40℃)		1750.253	1754.747	1710-1755	PASS
	Extreme (30℃)		1750.265	1754.735	1710-1755	PASS
	Extreme (20℃)		1750.231	1754.769	1710-1755	PASS
	Extreme (10℃)		1750.225	1754.775	1710-1755	PASS
	Extreme (0℃)		1750.294	1754.706	1710-1755	PASS
	Extreme (-10℃)		1750.242	1754.758	1710-1755	PASS
	Extreme (-20℃)		1750.234	1754.766	1710-1755	PASS
	Extreme (-30℃)		1750.265	1754.735	1710-1755	PASS
	20℃	LV	1750.237	1754.763	1710-1755	PASS
		HV	1750.239	1754.761	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℃)	NV	1745.580	1754.420	1710-1755	PASS
	Extreme (40℃)		1745.572	1754.428	1710-1755	PASS
	Extreme (30℃)		1745.530	1754.470	1710-1755	PASS
	Extreme (20℃)		1745.561	1754.439	1710-1755	PASS
	Extreme (10℃)		1745.569	1754.431	1710-1755	PASS
	Extreme (0℃)		1745.543	1754.457	1710-1755	PASS

	Extreme (-10℃)		1745.519	1754.481	1710-1755	PASS
	Extreme (-20℃)		1745.592	1754.408	1710-1755	PASS
	Extreme (-30℃)		1745.538	1754.462	1710-1755	PASS
	20℃	LV	1745.528	1754.472	1710-1755	PASS
		HV	1745.508	1754.492	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1747.5	BANDWIDTH	15MHz	QPSK			
	Temperature	Voltage				
	Extreme (50℃)	NV	1740.727	1754.273	1710-1755	PASS
	Extreme (40℃)		1740.715	1754.285	1710-1755	PASS
	Extreme (30℃)		1740.733	1754.267	1710-1755	PASS
	Extreme (20℃)		1740.703	1754.297	1710-1755	PASS
	Extreme (10℃)		1740.722	1754.278	1710-1755	PASS
	Extreme (0℃)		1740.721	1754.279	1710-1755	PASS
	Extreme (-10℃)		1740.742	1754.258	1710-1755	PASS
	Extreme (-20℃)		1740.786	1754.214	1710-1755	PASS
	Extreme (-30℃)		1740.761	1754.239	1710-1755	PASS
	20℃	LV	1740.715	1754.285	1710-1755	PASS
		HV	1740.751	1754.249	1710-1755	PASS
LTE B4 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
1745	BANDWIDTH	20MHz	QPSK			
	Temperature	Voltage				
	Extreme (50℃)	NV	1735.920	1754.080	1710-1755	PASS
	Extreme (40℃)		1735.985	1754.015	1710-1755	PASS
	Extreme (30℃)		1735.905	1754.095	1710-1755	PASS
	Extreme (20℃)		1735.916	1754.084	1710-1755	PASS
	Extreme (10℃)		1735.951	1754.049	1710-1755	PASS
	Extreme (0℃)		1735.927	1754.073	1710-1755	PASS
	Extreme (-10℃)		1735.944	1754.056	1710-1755	PASS
	Extreme (-20℃)		1735.997	1754.003	1710-1755	PASS
	Extreme (-30℃)		1735.985	1754.015	1710-1755	PASS
	20℃	LV	1735.903	1754.097	1710-1755	PASS
		HV	1735.959	1754.041	1710-1755	PASS

LTE B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	1.4MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50℃)	NV	17.45	0.02087	
	Extreme (40℃)		11.35	0.01356	PASS
	Extreme (30℃)		16.02	0.01915	PASS
	Extreme (20℃)		12.62	0.01508	PASS
	Extreme (10℃)		12.00	0.01435	PASS
	Extreme (0℃)		4.08	0.00487	PASS
	Extreme (-10℃)		2.13	0.00254	PASS
	Extreme (-20℃)		17.43	0.02083	PASS
	Extreme (-30℃)		16.12	0.01927	PASS
	20℃	LV	2.88	0.00345	PASS
		HV	6.33	0.00756	PASS
LTE B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	3MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50℃)	NV	3.61	0.00432	PASS
	Extreme (40℃)		9.56	0.01143	PASS
	Extreme (30℃)		10.70	0.01280	PASS
	Extreme (20℃)		2.14	0.00256	PASS
	Extreme (10℃)		4.00	0.00479	PASS
	Extreme (0℃)		1.82	0.00217	PASS
	Extreme (-10℃)		9.21	0.01101	PASS
	Extreme (-20℃)		14.30	0.01710	PASS
	Extreme (-30℃)		3.22	0.00385	PASS
	20℃	LV	3.80	0.00454	PASS
		HV	14.12	0.01688	PASS
LTE B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50℃)	NV	17.68	0.02114	PASS
	Extreme (40℃)		1.14	0.00136	PASS
	Extreme (30℃)		14.23	0.01701	PASS
	Extreme (20℃)		1.33	0.00159	PASS
	Extreme (10℃)		6.76	0.00809	PASS

	Extreme (0℃)		3.42	0.00409	PASS
	Extreme (-10℃)		5.30	0.00634	PASS
	Extreme (-20℃)		1.90	0.00227	PASS
	Extreme (-30℃)		6.40	0.00765	PASS
	20℃	LV	11.63	0.01390	PASS
		HV	13.24	0.01582	PASS
LTE B5	Condition		Freq.Error (Hz)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz			
	Temperature	Voltage	QPSK	QPSK	
	Extreme (50℃)	NV	5.59	0.00668	PASS
	Extreme (40℃)		5.18	0.00619	PASS
	Extreme (30℃)		14.77	0.01766	PASS
	Extreme (20℃)		7.36	0.00880	PASS
	Extreme (10℃)		16.07	0.01921	PASS
	Extreme (0℃)		6.21	0.00743	PASS
	Extreme (-10℃)		5.96	0.00713	PASS
	Extreme (-20℃)		5.83	0.00697	PASS
	Extreme (-30℃)		16.16	0.01932	PASS
	20℃	LV	4.99	0.00596	PASS
		HV	4.81	0.00575	PASS

LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2502.5	BANDWIDTH	5MHz				
	Temperature	Voltage				
	Extreme (50℃)	NV	2500.265	2504.735	2500-2570	PASS
	Extreme (40℃)		2500.205	2504.795	2500-2570	PASS
	Extreme (30℃)		2500.273	2504.727	2500-2570	PASS
	Extreme (20℃)		2500.284	2504.716	2500-2570	PASS
	Extreme (10℃)		2500.245	2504.755	2500-2570	PASS
	Extreme (0℃)		2500.293	2504.707	2500-2570	PASS
	Extreme (-10℃)		2500.283	2504.717	2500-2570	PASS
	Extreme (-20℃)		2500.233	2504.767	2500-2570	PASS
	Extreme (-30℃)		2500.214	2504.786	2500-2570	PASS
	20℃	LV	2500.246	2504.754	2500-2570	PASS
		HV	2500.212	2504.788	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict

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2505	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2500.628	2509.372	2500-2570	PASS
	Extreme (40℃)		2500.605	2509.395	2500-2570	PASS
	Extreme (30℃)		2500.548	2509.452	2500-2570	PASS
	Extreme (20℃)		2500.577	2509.423	2500-2570	PASS
	Extreme (10℃)		2500.562	2509.438	2500-2570	PASS
	Extreme (0℃)		2500.593	2509.407	2500-2570	PASS
	Extreme (-10℃)		2500.536	2509.464	2500-2570	PASS
	Extreme (-20℃)		2500.624	2509.376	2500-2570	PASS
	Extreme (-30℃)		2500.590	2509.410	2500-2570	PASS
	20℃	LV	2500.545	2509.455	2500-2570	PASS
		HV	2500.589	2509.411	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	2500.739	2514.261	2500-2570	PASS
	Extreme (40℃)		2500.767	2514.233	2500-2570	PASS
	Extreme (30℃)		2500.723	2514.277	2500-2570	PASS
	Extreme (20℃)		2500.712	2514.288	2500-2570	PASS
	Extreme (10℃)		2500.729	2514.271	2500-2570	PASS
	Extreme (0℃)		2500.773	2514.227	2500-2570	PASS
	Extreme (-10℃)		2500.766	2514.234	2500-2570	PASS
	Extreme (-20℃)		2500.795	2514.205	2500-2570	PASS
	Extreme (-30℃)		2500.800	2514.200	2500-2570	PASS
	20℃	LV	2500.712	2514.288	2500-2570	PASS
		HV	2500.703	2514.297	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	2501.014	2518.986	2500-2570	PASS
	Extreme (40℃)		2501.030	2518.970	2500-2570	PASS
	Extreme (30℃)		2501.020	2518.980	2500-2570	PASS
	Extreme (20℃)		2501.014	2518.986	2500-2570	PASS
	Extreme (10℃)		2501.033	2518.967	2500-2570	PASS
	Extreme (0℃)		2501.036	2518.964	2500-2570	PASS
	Extreme (-10℃)		2501.018	2518.982	2500-2570	PASS
	Extreme (-20℃)		2501.048	2518.952	2500-2570	PASS
	Extreme (-30℃)		2501.042	2518.958	2500-2570	PASS

	20℃	LV	2501.004	2518.996	2500-2570	PASS
		HV	2501.016	2518.984	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2567.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2565.206	2569.794	2500-2570	PASS
	Extreme (40℃)		2565.269	2569.731	2500-2570	PASS
	Extreme (30℃)		2565.217	2569.783	2500-2570	PASS
	Extreme (20℃)		2565.217	2569.783	2500-2570	PASS
	Extreme (10℃)		2565.275	2569.725	2500-2570	PASS
	Extreme (0℃)		2565.298	2569.702	2500-2570	PASS
	Extreme (-10℃)		2565.244	2569.756	2500-2570	PASS
	Extreme (-20℃)		2565.222	2569.778	2500-2570	PASS
	Extreme (-30℃)		2565.260	2569.740	2500-2570	PASS
	20℃	LV	2565.272	2569.728	2500-2570	PASS
		HV	2565.243	2569.757	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℃)	NV	2560.516	2569.484	2500-2570	PASS
	Extreme (40℃)		2560.558	2569.442	2500-2570	PASS
	Extreme (30℃)		2560.561	2569.439	2500-2570	PASS
	Extreme (20℃)		2560.605	2569.395	2500-2570	PASS
	Extreme (10℃)		2560.560	2569.440	2500-2570	PASS
	Extreme (0℃)		2560.560	2569.440	2500-2570	PASS
	Extreme (-10℃)		2560.571	2569.429	2500-2570	PASS
	Extreme (-20℃)		2560.560	2569.440	2500-2570	PASS
	Extreme (-30℃)		2560.536	2569.464	2500-2570	PASS
	20℃	LV	2560.540	2569.460	2500-2570	PASS
		HV	2560.510	2569.490	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℃)	NV	2555.752	2569.248	2500-2570	PASS
	Extreme (40℃)		2555.752	2569.248	2500-2570	PASS
	Extreme (30℃)		2555.736	2569.264	2500-2570	PASS
	Extreme (20℃)		2555.730	2569.270	2500-2570	PASS
	Extreme (10℃)		2555.760	2569.240	2500-2570	PASS

	Extreme (0℃)		2555.782	2569.218	2500-2570	PASS
	Extreme (-10℃)		2555.790	2569.210	2500-2570	PASS
	Extreme (-20℃)		2555.774	2569.226	2500-2570	PASS
	Extreme (-30℃)		2555.709	2569.291	2500-2570	PASS
	20℃	LV	2555.729	2569.271	2500-2570	PASS
		HV	2555.738	2569.262	2500-2570	PASS
LTE B7 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2560	BANDWIDTH	20MHz	QPSK	QPSK		
	Temperature	Voltage				
	Extreme (50℃)	NV	2550.911	2569.089	2500-2570	PASS
	Extreme (40℃)		2550.944	2569.056	2500-2570	PASS
	Extreme (30℃)		2550.985	2569.015	2500-2570	PASS
	Extreme (20℃)		2550.914	2569.086	2500-2570	PASS
	Extreme (10℃)		2550.989	2569.011	2500-2570	PASS
	Extreme (0℃)		2550.926	2569.074	2500-2570	PASS
	Extreme (-10℃)		2550.915	2569.085	2500-2570	PASS
	Extreme (-20℃)		2550.936	2569.064	2500-2570	PASS
	Extreme (-30℃)		2550.923	2569.077	2500-2570	PASS
	20℃	LV	2550.988	2569.012	2500-2570	PASS
		HV	2550.932	2569.068	2500-2570	PASS

LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2572.5	BANDWIDTH	5MHz	QPSK	QPSK		
	Temperature	Voltage				
	Extreme (50℃)	NV	2570.280	2574.720	2570-2620	PASS
	Extreme (40℃)		2570.243	2574.757	2570-2620	PASS
	Extreme (30℃)		2570.296	2574.704	2570-2620	PASS
	Extreme (20℃)		2570.224	2574.776	2570-2620	PASS
	Extreme (10℃)		2570.235	2574.765	2570-2620	PASS
	Extreme (0℃)		2570.265	2574.735	2570-2620	PASS
	Extreme (-10℃)		2570.258	2574.742	2570-2620	PASS
	Extreme (-20℃)		2570.297	2574.703	2570-2620	PASS
	Extreme (-30℃)		2570.237	2574.763	2570-2620	PASS
	20℃	LV	2570.255	2574.745	2570-2620	PASS
		HV	2570.269	2574.731	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2575	BANDWIDTH	10MHz	QPSK	QPSK		
	Temperature	Voltage				

	Extreme (50℃)	NV	2570.559	2579.441	2570-2620	PASS
	Extreme (40℃)		2570.533	2579.467	2570-2620	PASS
	Extreme (30℃)		2570.629	2579.371	2570-2620	PASS
	Extreme (20℃)		2570.536	2579.464	2570-2620	PASS
	Extreme (10℃)		2570.604	2579.396	2570-2620	PASS
	Extreme (0℃)		2570.604	2579.396	2570-2620	PASS
	Extreme (-10℃)		2570.564	2579.436	2570-2620	PASS
	Extreme (-20℃)		2570.602	2579.398	2570-2620	PASS
	Extreme (-30℃)		2570.584	2579.416	2570-2620	PASS
	20℃	LV	2570.630	2579.370	2570-2620	PASS
		HV	2570.605	2579.395	2570-2620	PASS
LTE B38 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2577.5	BANDWIDTH	15MHz	QPSK	QPSK	Limit (MHz)	Verdict
	Temperature	Voltage				
	Extreme (50℃)	NV	2570.761	2584.239	2570-2620	PASS
	Extreme (40℃)		2570.777	2584.223	2570-2620	PASS
	Extreme (30℃)		2570.792	2584.208	2570-2620	PASS
	Extreme (20℃)		2570.779	2584.221	2570-2620	PASS
	Extreme (10℃)		2570.776	2584.224	2570-2620	PASS
	Extreme (0℃)		2570.776	2584.224	2570-2620	PASS
	Extreme (-10℃)		2570.712	2584.288	2570-2620	PASS
	Extreme (-20℃)		2570.767	2584.233	2570-2620	PASS
	Extreme (-30℃)		2570.732	2584.268	2570-2620	PASS
	20℃	LV	2570.797	2584.203	2570-2620	PASS
		HV	2570.734	2584.266	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℃)	NV	2571.047	2588.953	2570-2620	PASS
	Extreme (40℃)		2571.049	2588.951	2570-2620	PASS
	Extreme (30℃)		2571.002	2588.998	2570-2620	PASS
	Extreme (20℃)		2571.010	2588.990	2570-2620	PASS
	Extreme (10℃)		2571.035	2588.965	2570-2620	PASS
	Extreme (0℃)		2571.041	2588.959	2570-2620	PASS
	Extreme (-10℃)		2571.043	2588.957	2570-2620	PASS
	Extreme (-20℃)		2571.011	2588.989	2570-2620	PASS
	Extreme (-30℃)		2571.019	2588.981	2570-2620	PASS
	20℃	LV	2571.024	2588.976	2570-2620	PASS
		HV	2571.008	2588.992	2570-2620	PASS
LTE B38	Condition		F Low	F High	Limit (MHz)	Verdict

Fc(MHz)			(MHz)	(MHz)		
2617.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2615.226	2619.774	2570-2620	PASS
	Extreme (40℃)		2615.232	2619.768	2570-2620	PASS
	Extreme (30℃)		2615.298	2619.702	2570-2620	PASS
	Extreme (20℃)		2615.255	2619.745	2570-2620	PASS
	Extreme (10℃)		2615.219	2619.781	2570-2620	PASS
	Extreme (0℃)		2615.240	2619.760	2570-2620	PASS
	Extreme (-10℃)		2615.299	2619.701	2570-2620	PASS
	Extreme (-20℃)		2615.278	2619.722	2570-2620	PASS
	Extreme (-30℃)		2615.245	2619.755	2570-2620	PASS
	20℃	LV	2615.224	2619.776	2570-2620	PASS
		HV	2615.206	2619.794	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℃)	NV	2610.503	2619.497	2570-2620	PASS
	Extreme (40℃)		2610.584	2619.416	2570-2620	PASS
	Extreme (30℃)		2610.631	2619.369	2570-2620	PASS
	Extreme (20℃)		2610.582	2619.418	2570-2620	PASS
	Extreme (10℃)		2610.526	2619.474	2570-2620	PASS
	Extreme (0℃)		2610.550	2619.450	2570-2620	PASS
	Extreme (-10℃)		2610.505	2619.495	2570-2620	PASS
	Extreme (-20℃)		2610.638	2619.362	2570-2620	PASS
	Extreme (-30℃)		2610.649	2619.351	2570-2620	PASS
	20℃	LV	2610.593	2619.407	2570-2620	PASS
		HV	2610.622	2619.378	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℃)	NV	2605.738	2619.262	2570-2620	PASS
	Extreme (40℃)		2605.758	2619.242	2570-2620	PASS
	Extreme (30℃)		2605.751	2619.249	2570-2620	PASS
	Extreme (20℃)		2605.755	2619.245	2570-2620	PASS
	Extreme (10℃)		2605.793	2619.207	2570-2620	PASS
	Extreme (0℃)		2605.745	2619.255	2570-2620	PASS
	Extreme (-10℃)		2605.726	2619.274	2570-2620	PASS
	Extreme (-20℃)		2605.760	2619.240	2570-2620	PASS

	Extreme (-30℃)		2605.739	2619.261	2570-2620	PASS
	20℃	LV	2605.775	2619.225	2570-2620	PASS
		HV	2605.800	2619.200	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℃)	NV	2600.982	2619.018	2570-2620	PASS
	Extreme (40℃)		2600.947	2619.053	2570-2620	PASS
	Extreme (30℃)		2600.963	2619.037	2570-2620	PASS
	Extreme (20℃)		2600.923	2619.077	2570-2620	PASS
	Extreme (10℃)		2600.983	2619.017	2570-2620	PASS
	Extreme (0℃)		2600.983	2619.017	2570-2620	PASS
	Extreme (-10℃)		2600.980	2619.020	2570-2620	PASS
	Extreme (-20℃)		2600.909	2619.091	2570-2620	PASS
	Extreme (-30℃)		2600.954	2619.046	2570-2620	PASS
	20℃	LV	2600.933	2619.067	2570-2620	PASS
		HV	2600.913	2619.087	2570-2620	PASS

LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2537.5	BANDWIDTH	5MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2535.246	2539.754	2535-2655	PASS
	Extreme (40℃)		2535.211	2539.789	2535-2655	PASS
	Extreme (30℃)		2535.215	2539.785	2535-2655	PASS
	Extreme (20℃)		2535.261	2539.739	2535-2655	PASS
	Extreme (10℃)		2535.257	2539.743	2535-2655	PASS
	Extreme (0℃)		2535.236	2539.764	2535-2655	PASS
	Extreme (-10℃)		2535.292	2539.708	2535-2655	PASS
	Extreme (-20℃)		2535.203	2539.797	2535-2655	PASS
	Extreme (-30℃)		2535.244	2539.756	2535-2655	PASS
	20℃	LV	2535.298	2539.702	2535-2655	PASS
		HV	2535.278	2539.722	2535-2655	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2540	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2535.633	2544.367	2535-2655	PASS
	Extreme (40℃)		2535.625	2544.375	2535-2655	PASS
	Extreme (30℃)		2535.505	2544.495	2535-2655	PASS

	Extreme (20℃)		2535.563	2544.437	2535-2655	PASS
	Extreme (10℃)		2535.541	2544.459	2535-2655	PASS
	Extreme (0℃)		2535.543	2544.457	2535-2655	PASS
	Extreme (-10℃)		2535.530	2544.470	2535-2655	PASS
	Extreme (-20℃)		2535.602	2544.398	2535-2655	PASS
	Extreme (-30℃)		2535.505	2544.495	2535-2655	PASS
	20℃	LV	2535.591	2544.409	2535-2655	PASS
		HV	2535.504	2544.496	2535-2655	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2542.5	BANDWIDTH	15MHz	QPSK			
	Temperature	Voltage				
	Extreme (50℃)	NV	2535.784	2549.216	2535-2655	PASS
	Extreme (40℃)		2535.739	2549.261	2535-2655	PASS
	Extreme (30℃)		2535.791	2549.209	2535-2655	PASS
	Extreme (20℃)		2535.728	2549.272	2535-2655	PASS
	Extreme (10℃)		2535.744	2549.256	2535-2655	PASS
	Extreme (0℃)		2535.729	2549.271	2535-2655	PASS
	Extreme (-10℃)		2535.757	2549.243	2535-2655	PASS
	Extreme (-20℃)		2535.724	2549.276	2535-2655	PASS
	Extreme (-30℃)		2535.736	2549.264	2535-2655	PASS
	20℃	LV	2535.732	2549.268	2535-2655	PASS
		HV	2535.717	2549.283	2535-2655	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2545	BANDWIDTH	20MHz	QPSK			
	Temperature	Voltage				
	Extreme (50℃)	NV	2536.018	2553.982	2535-2655	PASS
	Extreme (40℃)		2536.048	2553.952	2535-2655	PASS
	Extreme (30℃)		2536.013	2553.987	2535-2655	PASS
	Extreme (20℃)		2536.018	2553.982	2535-2655	PASS
	Extreme (10℃)		2536.005	2553.995	2535-2655	PASS
	Extreme (0℃)		2536.004	2553.996	2535-2655	PASS
	Extreme (-10℃)		2536.031	2553.969	2535-2655	PASS
	Extreme (-20℃)		2536.043	2553.957	2535-2655	PASS
	Extreme (-30℃)		2536.025	2553.975	2535-2655	PASS
	20℃	LV	2536.046	2553.954	2535-2655	PASS
		HV	2536.021	2553.979	2535-2655	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2652.5	BANDWIDTH	5MHz				

	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2650.209	2654.791	2535-2655	PASS
	Extreme (40℃)		2650.237	2654.763	2535-2655	PASS
	Extreme (30℃)		2650.203	2654.797	2535-2655	PASS
	Extreme (20℃)		2650.223	2654.777	2535-2655	PASS
	Extreme (10℃)		2650.212	2654.788	2535-2655	PASS
	Extreme (0℃)		2650.265	2654.735	2535-2655	PASS
	Extreme (-10℃)		2650.211	2654.789	2535-2655	PASS
	Extreme (-20℃)		2650.292	2654.708	2535-2655	PASS
	Extreme (-30℃)		2650.258	2654.742	2535-2655	PASS
	20℃	LV	2650.252	2654.748	2535-2655	PASS
		HV	2650.285	2654.715	2535-2655	PASS
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2650	BANDWIDTH	10MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2645.514	2654.486	2535-2655	PASS
	Extreme (40℃)		2645.588	2654.412	2535-2655	PASS
	Extreme (30℃)		2645.542	2654.458	2535-2655	PASS
	Extreme (20℃)		2645.561	2654.439	2535-2655	PASS
	Extreme (10℃)		2645.570	2654.430	2535-2655	PASS
	Extreme (0℃)		2645.569	2654.431	2535-2655	PASS
	Extreme (-10℃)		2645.575	2654.425	2535-2655	PASS
	Extreme (-20℃)		2645.527	2654.473	2535-2655	PASS
	Extreme (-30℃)		2645.625	2654.375	2535-2655	PASS
	20℃	LV	2645.557	2654.443	2535-2655	PASS
HV		2645.632	2654.368	2535-2655	PASS	
LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2647.5	BANDWIDTH	15MHz				
	Temperature	Voltage	QPSK			
	Extreme (50℃)	NV	2640.772	2654.228	2535-2655	PASS
	Extreme (40℃)		2640.731	2654.269	2535-2655	PASS
	Extreme (30℃)		2640.799	2654.201	2535-2655	PASS
	Extreme (20℃)		2640.707	2654.293	2535-2655	PASS
	Extreme (10℃)		2640.746	2654.254	2535-2655	PASS
	Extreme (0℃)		2640.754	2654.246	2535-2655	PASS
	Extreme (-10℃)		2640.751	2654.249	2535-2655	PASS
	Extreme (-20℃)		2640.796	2654.204	2535-2655	PASS
	Extreme (-30℃)		2640.717	2654.283	2535-2655	PASS
	20℃	LV	2640.717	2654.283	2535-2655	PASS
HV		2640.793	2654.207	2535-2655	PASS	

LTE B41 Fc(MHz)	Condition		F Low (MHz)	F High (MHz)	Limit (MHz)	Verdict
2645	BANDWIDTH	20MHz	QPSK	QPSK	2535-2655	PASS
	Temperature	Voltage				
	Extreme (50℃)	NV	2635.909	2654.091	2535-2655	PASS
	Extreme (40℃)		2635.958	2654.042	2535-2655	PASS
	Extreme (30℃)		2635.994	2654.006	2535-2655	PASS
	Extreme (20℃)		2635.954	2654.046	2535-2655	PASS
	Extreme (10℃)		2635.917	2654.083	2535-2655	PASS
	Extreme (0℃)		2635.960	2654.040	2535-2655	PASS
	Extreme (-10℃)		2635.927	2654.073	2535-2655	PASS
	Extreme (-20℃)		2635.966	2654.034	2535-2655	PASS
	Extreme (-30℃)		2635.976	2654.024	2535-2655	PASS
	20℃	LV	2635.926	2654.074	2535-2655	PASS
		HV	2635.933	2654.067	2535-2655	PASS