

1. Frequency Stability

1.1 Band2

1.1.1 Test Result

Band: 2							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1852.4	20	3.23	-4.687	-0.0025	-2.5 to 2.5	Pass
			3.80	-5.282	-0.0029	-2.5 to 2.5	Pass
			4.37	-1.232	-0.0007	-2.5 to 2.5	Pass
		-30	3.80	-1.652	-0.0009	-2.5 to 2.5	Pass
		-20	3.80	-6.367	-0.0034	-2.5 to 2.5	Pass
		-10	3.80	-4.465	-0.0024	-2.5 to 2.5	Pass
		0	3.80	-3.836	-0.0021	-2.5 to 2.5	Pass
		10	3.80	-2.675	-0.0014	-2.5 to 2.5	Pass
		30	3.80	-1.978	-0.0011	-2.5 to 2.5	Pass
		40	3.80	-4.055	-0.0022	-2.5 to 2.5	Pass
		50	3.80	-2.131	-0.0012	-2.5 to 2.5	Pass
	1880	20	3.23	-4.845	-0.0026	-2.5 to 2.5	Pass
			3.80	-3.095	-0.0016	-2.5 to 2.5	Pass
			4.37	-3.844	-0.0020	-2.5 to 2.5	Pass
		-30	3.80	-1.998	-0.0011	-2.5 to 2.5	Pass
		-20	3.80	-0.676	-0.0004	-2.5 to 2.5	Pass
		-10	3.80	-7.260	-0.0039	-2.5 to 2.5	Pass
		0	3.80	-3.560	-0.0019	-2.5 to 2.5	Pass
		10	3.80	-2.228	-0.0012	-2.5 to 2.5	Pass
		30	3.80	-2.429	-0.0013	-2.5 to 2.5	Pass
		40	3.80	-6.757	-0.0036	-2.5 to 2.5	Pass
		50	3.80	-2.948	-0.0016	-2.5 to 2.5	Pass
	1907.6	20	3.23	-2.508	-0.0013	-2.5 to 2.5	Pass
			3.80	-1.485	-0.0008	-2.5 to 2.5	Pass
			4.37	-3.842	-0.0020	-2.5 to 2.5	Pass
		-30	3.80	-0.182	-0.0001	-2.5 to 2.5	Pass
		-20	3.80	-2.794	-0.0015	-2.5 to 2.5	Pass
		-10	3.80	-4.045	-0.0021	-2.5 to 2.5	Pass
		0	3.80	2.500	0.0013	-2.5 to 2.5	Pass
		10	3.80	-3.668	-0.0019	-2.5 to 2.5	Pass
		30	3.80	-2.072	-0.0011	-2.5 to 2.5	Pass
		40	3.80	-1.445	-0.0008	-2.5 to 2.5	Pass
HSDPA	1852.4	20	3.23	-5.106	-0.0028	-2.5 to 2.5	Pass
			3.80	-1.500	-0.0008	-2.5 to 2.5	Pass
			4.37	-4.872	-0.0026	-2.5 to 2.5	Pass
		-30	3.80	-0.717	-0.0004	-2.5 to 2.5	Pass
		-20	3.80	-5.026	-0.0027	-2.5 to 2.5	Pass
		-10	3.80	-2.272	-0.0012	-2.5 to 2.5	Pass
		0	3.80	-5.340	-0.0029	-2.5 to 2.5	Pass
		10	3.80	0.400	0.0002	-2.5 to 2.5	Pass
		30	3.80	-1.750	-0.0009	-2.5 to 2.5	Pass
		40	3.80	-7.288	-0.0039	-2.5 to 2.5	Pass
		50	3.80	-4.491	-0.0024	-2.5 to 2.5	Pass
	1880	20	3.23	-0.671	-0.0004	-2.5 to 2.5	Pass
			3.80	-2.935	-0.0016	-2.5 to 2.5	Pass

			4.37	-5.251	-0.0028	-2.5 to 2.5	Pass
		-30	3.80	-4.959	-0.0026	-2.5 to 2.5	Pass
		-20	3.80	-4.294	-0.0023	-2.5 to 2.5	Pass
		-10	3.80	-2.305	-0.0012	-2.5 to 2.5	Pass
		0	3.80	-1.146	-0.0006	-2.5 to 2.5	Pass
		10	3.80	2.902	0.0015	-2.5 to 2.5	Pass
		30	3.80	-3.590	-0.0019	-2.5 to 2.5	Pass
		40	3.80	-1.378	-0.0007	-2.5 to 2.5	Pass
		50	3.80	-0.538	-0.0003	-2.5 to 2.5	Pass
	1907.6	20	3.23	0.805	0.0004	-2.5 to 2.5	Pass
			3.80	0.535	0.0003	-2.5 to 2.5	Pass
			4.37	-1.783	-0.0009	-2.5 to 2.5	Pass
		-30	3.80	-2.991	-0.0016	-2.5 to 2.5	Pass
		-20	3.80	-3.892	-0.0020	-2.5 to 2.5	Pass
		-10	3.80	-6.325	-0.0033	-2.5 to 2.5	Pass
		0	3.80	-3.116	-0.0016	-2.5 to 2.5	Pass
		10	3.80	-3.033	-0.0016	-2.5 to 2.5	Pass
		30	3.80	-6.642	-0.0035	-2.5 to 2.5	Pass
		40	3.80	-7.053	-0.0037	-2.5 to 2.5	Pass
		50	3.80	-2.638	-0.0014	-2.5 to 2.5	Pass
HSUPA	1852.4	20	3.23	-3.349	-0.0018	-2.5 to 2.5	Pass
			3.80	0.472	0.0003	-2.5 to 2.5	Pass
			4.37	-1.188	-0.0006	-2.5 to 2.5	Pass
		-30	3.80	-2.176	-0.0012	-2.5 to 2.5	Pass
		-20	3.80	-2.324	-0.0013	-2.5 to 2.5	Pass
		-10	3.80	-8.991	-0.0049	-2.5 to 2.5	Pass
		0	3.80	0.110	0.0001	-2.5 to 2.5	Pass
		10	3.80	-1.888	-0.0010	-2.5 to 2.5	Pass
		30	3.80	-1.299	-0.0007	-2.5 to 2.5	Pass
		40	3.80	1.992	0.0011	-2.5 to 2.5	Pass
		50	3.80	-1.124	-0.0006	-2.5 to 2.5	Pass
	1880	20	3.23	-2.859	-0.0015	-2.5 to 2.5	Pass
			3.80	-3.716	-0.0020	-2.5 to 2.5	Pass
			4.37	-6.767	-0.0036	-2.5 to 2.5	Pass
		-30	3.80	-5.262	-0.0028	-2.5 to 2.5	Pass
		-20	3.80	-2.743	-0.0015	-2.5 to 2.5	Pass
		-10	3.80	-2.182	-0.0012	-2.5 to 2.5	Pass
		0	3.80	-4.574	-0.0024	-2.5 to 2.5	Pass
		10	3.80	0.850	0.0005	-2.5 to 2.5	Pass
		30	3.80	-4.084	-0.0022	-2.5 to 2.5	Pass
		40	3.80	-3.161	-0.0017	-2.5 to 2.5	Pass
		50	3.80	-2.968	-0.0016	-2.5 to 2.5	Pass
	1907.6	20	3.23	-3.218	-0.0017	-2.5 to 2.5	Pass
			3.80	-6.501	-0.0034	-2.5 to 2.5	Pass
			4.37	2.887	0.0015	-2.5 to 2.5	Pass
		-30	3.80	-2.872	-0.0015	-2.5 to 2.5	Pass
		-20	3.80	-0.352	-0.0002	-2.5 to 2.5	Pass
		-10	3.80	0.769	0.0004	-2.5 to 2.5	Pass
		0	3.80	-0.841	-0.0004	-2.5 to 2.5	Pass
		10	3.80	0.744	0.0004	-2.5 to 2.5	Pass
		30	3.80	-1.622	-0.0009	-2.5 to 2.5	Pass
		40	3.80	-2.942	-0.0015	-2.5 to 2.5	Pass
		50	3.80	0.520	0.0003	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 Band4

2.1.1 Test Result

Band: 4							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1712.4	20	3.23	-5.322	-0.0031	-2.5 to 2.5	Pass
			3.80	-2.339	-0.0014	-2.5 to 2.5	Pass
			4.37	-3.795	-0.0022	-2.5 to 2.5	Pass
		-30	3.80	-4.221	-0.0025	-2.5 to 2.5	Pass
		-20	3.80	-5.262	-0.0031	-2.5 to 2.5	Pass
		-10	3.80	1.296	0.0008	-2.5 to 2.5	Pass
		0	3.80	-5.161	-0.0030	-2.5 to 2.5	Pass
		10	3.80	-0.664	-0.0004	-2.5 to 2.5	Pass
		30	3.80	-0.721	-0.0004	-2.5 to 2.5	Pass
		40	3.80	-5.602	-0.0033	-2.5 to 2.5	Pass
		50	3.80	-4.869	-0.0028	-2.5 to 2.5	Pass
	1732.6	20	3.23	-3.091	-0.0018	-2.5 to 2.5	Pass
			3.80	-4.691	-0.0027	-2.5 to 2.5	Pass
			4.37	-3.816	-0.0022	-2.5 to 2.5	Pass
		-30	3.80	-4.278	-0.0025	-2.5 to 2.5	Pass
		-20	3.80	-4.261	-0.0025	-2.5 to 2.5	Pass
		-10	3.80	-0.144	-0.0001	-2.5 to 2.5	Pass
		0	3.80	-3.440	-0.0020	-2.5 to 2.5	Pass
		10	3.80	-9.256	-0.0053	-2.5 to 2.5	Pass
		30	3.80	-5.916	-0.0034	-2.5 to 2.5	Pass
		40	3.80	-4.864	-0.0028	-2.5 to 2.5	Pass
		50	3.80	-2.765	-0.0016	-2.5 to 2.5	Pass
	1752.6	20	3.23	-4.612	-0.0026	-2.5 to 2.5	Pass
			3.80	-3.543	-0.0020	-2.5 to 2.5	Pass
			4.37	-5.378	-0.0031	-2.5 to 2.5	Pass
		-30	3.80	-4.995	-0.0029	-2.5 to 2.5	Pass
		-20	3.80	-0.730	-0.0004	-2.5 to 2.5	Pass
		-10	3.80	-3.075	-0.0018	-2.5 to 2.5	Pass
		0	3.80	-0.117	-0.0001	-2.5 to 2.5	Pass
		10	3.80	-3.949	-0.0023	-2.5 to 2.5	Pass
		30	3.80	-0.937	-0.0005	-2.5 to 2.5	Pass
		40	3.80	-6.376	-0.0036	-2.5 to 2.5	Pass
		50	3.80	-2.493	-0.0014	-2.5 to 2.5	Pass
HSDPA	1712.4	20	3.23	-4.641	-0.0027	-2.5 to 2.5	Pass
			3.80	-4.194	-0.0024	-2.5 to 2.5	Pass
			4.37	0.651	0.0004	-2.5 to 2.5	Pass
		-30	3.80	-2.265	-0.0013	-2.5 to 2.5	Pass
		-20	3.80	-5.904	-0.0034	-2.5 to 2.5	Pass
		-10	3.80	-2.135	-0.0012	-2.5 to 2.5	Pass
		0	3.80	-3.507	-0.0020	-2.5 to 2.5	Pass
		10	3.80	0.233	0.0001	-2.5 to 2.5	Pass
		30	3.80	-2.658	-0.0016	-2.5 to 2.5	Pass
		40	3.80	-2.221	-0.0013	-2.5 to 2.5	Pass
		50	3.80	-2.441	-0.0014	-2.5 to 2.5	Pass

	1732.6	20	3.23	-1.729	-0.0010	-2.5 to 2.5	Pass
			3.80	1.341	0.0008	-2.5 to 2.5	Pass
			4.37	-3.883	-0.0022	-2.5 to 2.5	Pass
		-30	3.80	-4.321	-0.0025	-2.5 to 2.5	Pass
		-20	3.80	1.326	0.0008	-2.5 to 2.5	Pass
		-10	3.80	-2.021	-0.0012	-2.5 to 2.5	Pass
		0	3.80	-4.692	-0.0027	-2.5 to 2.5	Pass
		10	3.80	-2.042	-0.0012	-2.5 to 2.5	Pass
		30	3.80	-1.430	-0.0008	-2.5 to 2.5	Pass
		40	3.80	-3.851	-0.0022	-2.5 to 2.5	Pass
		50	3.80	-1.966	-0.0011	-2.5 to 2.5	Pass
	1752.6	20	3.23	-2.197	-0.0013	-2.5 to 2.5	Pass
			3.80	-1.446	-0.0008	-2.5 to 2.5	Pass
			4.37	-0.227	-0.0001	-2.5 to 2.5	Pass
		-30	3.80	-1.369	-0.0008	-2.5 to 2.5	Pass
		-20	3.80	-0.897	-0.0005	-2.5 to 2.5	Pass
		-10	3.80	-1.315	-0.0008	-2.5 to 2.5	Pass
		0	3.80	0.271	0.0002	-2.5 to 2.5	Pass
		10	3.80	-3.233	-0.0018	-2.5 to 2.5	Pass
		30	3.80	-3.001	-0.0017	-2.5 to 2.5	Pass
		40	3.80	-3.163	-0.0018	-2.5 to 2.5	Pass
		50	3.80	-2.382	-0.0014	-2.5 to 2.5	Pass
HSUPA	1712.4	20	3.23	-1.505	-0.0009	-2.5 to 2.5	Pass
			3.80	-2.465	-0.0014	-2.5 to 2.5	Pass
			4.37	-4.228	-0.0025	-2.5 to 2.5	Pass
		-30	3.80	-5.441	-0.0032	-2.5 to 2.5	Pass
		-20	3.80	-3.070	-0.0018	-2.5 to 2.5	Pass
		-10	3.80	-2.542	-0.0015	-2.5 to 2.5	Pass
		0	3.80	-2.912	-0.0017	-2.5 to 2.5	Pass
		10	3.80	-1.788	-0.0010	-2.5 to 2.5	Pass
		30	3.80	-3.406	-0.0020	-2.5 to 2.5	Pass
		40	3.80	-0.862	-0.0005	-2.5 to 2.5	Pass
		50	3.80	-3.787	-0.0022	-2.5 to 2.5	Pass
	1732.6	20	3.23	-1.843	-0.0011	-2.5 to 2.5	Pass
			3.80	-1.057	-0.0006	-2.5 to 2.5	Pass
			4.37	-2.634	-0.0015	-2.5 to 2.5	Pass
		-30	3.80	-2.937	-0.0017	-2.5 to 2.5	Pass
		-20	3.80	-5.199	-0.0030	-2.5 to 2.5	Pass
		-10	3.80	-0.277	-0.0002	-2.5 to 2.5	Pass
		0	3.80	-2.379	-0.0014	-2.5 to 2.5	Pass
		10	3.80	2.888	0.0017	-2.5 to 2.5	Pass
		30	3.80	-2.987	-0.0017	-2.5 to 2.5	Pass
		40	3.80	-0.169	-0.0001	-2.5 to 2.5	Pass
		50	3.80	-5.727	-0.0033	-2.5 to 2.5	Pass
	1752.6	20	3.23	-3.384	-0.0019	-2.5 to 2.5	Pass
			3.80	-2.232	-0.0013	-2.5 to 2.5	Pass
			4.37	-1.525	-0.0009	-2.5 to 2.5	Pass
		-30	3.80	-2.148	-0.0012	-2.5 to 2.5	Pass
		-20	3.80	0.857	0.0005	-2.5 to 2.5	Pass
		-10	3.80	-5.078	-0.0029	-2.5 to 2.5	Pass
		0	3.80	-4.866	-0.0028	-2.5 to 2.5	Pass
		10	3.80	-1.869	-0.0011	-2.5 to 2.5	Pass
		30	3.80	-3.679	-0.0021	-2.5 to 2.5	Pass
		40	3.80	-4.545	-0.0026	-2.5 to 2.5	Pass
		50	3.80	0.378	0.0002	-2.5 to 2.5	Pass

3. Frequency Stability

3.1 Band5

3.1.1 Test Result

Band: 5							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	826.4	20	3.23	2.856	0.0035	-2.5 to 2.5	Pass
			3.80	-2.262	-0.0027	-2.5 to 2.5	Pass
			4.37	-3.163	-0.0038	-2.5 to 2.5	Pass
		-30	3.80	-3.094	-0.0037	-2.5 to 2.5	Pass
		-20	3.80	-3.066	-0.0037	-2.5 to 2.5	Pass
		-10	3.80	2.734	0.0033	-2.5 to 2.5	Pass
		0	3.80	4.252	0.0051	-2.5 to 2.5	Pass
		10	3.80	-1.998	-0.0024	-2.5 to 2.5	Pass
		30	3.80	-6.372	-0.0077	-2.5 to 2.5	Pass
		40	3.80	-2.732	-0.0033	-2.5 to 2.5	Pass
		50	3.80	0.127	0.0002	-2.5 to 2.5	Pass
	836.6	20	3.23	-8.349	-0.0100	-2.5 to 2.5	Pass
			3.80	-2.411	-0.0029	-2.5 to 2.5	Pass
			4.37	-1.695	-0.0020	-2.5 to 2.5	Pass
		-30	3.80	-1.703	-0.0020	-2.5 to 2.5	Pass
		-20	3.80	-0.783	-0.0009	-2.5 to 2.5	Pass
		-10	3.80	-1.536	-0.0018	-2.5 to 2.5	Pass
		0	3.80	-6.623	-0.0079	-2.5 to 2.5	Pass
		10	3.80	-4.565	-0.0055	-2.5 to 2.5	Pass
		30	3.80	-5.885	-0.0070	-2.5 to 2.5	Pass
		40	3.80	-5.338	-0.0064	-2.5 to 2.5	Pass
		50	3.80	0.989	0.0012	-2.5 to 2.5	Pass
	846.6	20	3.23	-7.423	-0.0088	-2.5 to 2.5	Pass
			3.80	-1.718	-0.0020	-2.5 to 2.5	Pass
			4.37	-0.048	-0.0001	-2.5 to 2.5	Pass
		-30	3.80	-4.268	-0.0050	-2.5 to 2.5	Pass
		-20	3.80	-4.617	-0.0055	-2.5 to 2.5	Pass
		-10	3.80	-2.061	-0.0024	-2.5 to 2.5	Pass
		0	3.80	-4.865	-0.0057	-2.5 to 2.5	Pass
		10	3.80	-3.352	-0.0040	-2.5 to 2.5	Pass
		30	3.80	-6.104	-0.0072	-2.5 to 2.5	Pass
		40	3.80	-5.531	-0.0065	-2.5 to 2.5	Pass
		50	3.80	-6.492	-0.0077	-2.5 to 2.5	Pass
HSDPA	826.4	20	3.23	-4.270	-0.0052	-2.5 to 2.5	Pass
			3.80	-2.458	-0.0030	-2.5 to 2.5	Pass
			4.37	-2.249	-0.0027	-2.5 to 2.5	Pass
		-30	3.80	1.085	0.0013	-2.5 to 2.5	Pass
		-20	3.80	1.076	0.0013	-2.5 to 2.5	Pass
		-10	3.80	-2.823	-0.0034	-2.5 to 2.5	Pass
		0	3.80	-1.690	-0.0020	-2.5 to 2.5	Pass
		10	3.80	-0.450	-0.0005	-2.5 to 2.5	Pass
		30	3.80	-3.365	-0.0041	-2.5 to 2.5	Pass
		40	3.80	-2.822	-0.0034	-2.5 to 2.5	Pass
		50	3.80	-3.911	-0.0047	-2.5 to 2.5	Pass
	836.6	20	3.23	0.691	0.0008	-2.5 to 2.5	Pass
			3.80	-5.241	-0.0063	-2.5 to 2.5	Pass

			4.37	-0.986	-0.0012	-2.5 to 2.5	Pass
		-30	3.80	-0.088	-0.0001	-2.5 to 2.5	Pass
		-20	3.80	-2.123	-0.0025	-2.5 to 2.5	Pass
		-10	3.80	1.273	0.0015	-2.5 to 2.5	Pass
		0	3.80	-3.595	-0.0043	-2.5 to 2.5	Pass
		10	3.80	-3.679	-0.0044	-2.5 to 2.5	Pass
		30	3.80	-1.785	-0.0021	-2.5 to 2.5	Pass
		40	3.80	0.037	0.0000	-2.5 to 2.5	Pass
		50	3.80	0.651	0.0008	-2.5 to 2.5	Pass
	846.6	20	3.23	-3.372	-0.0040	-2.5 to 2.5	Pass
			3.80	-2.356	-0.0028	-2.5 to 2.5	Pass
			4.37	-1.570	-0.0019	-2.5 to 2.5	Pass
		-30	3.80	-1.299	-0.0015	-2.5 to 2.5	Pass
		-20	3.80	1.671	0.0020	-2.5 to 2.5	Pass
		-10	3.80	3.140	0.0037	-2.5 to 2.5	Pass
		0	3.80	-2.902	-0.0034	-2.5 to 2.5	Pass
		10	3.80	-1.769	-0.0021	-2.5 to 2.5	Pass
		30	3.80	-3.962	-0.0047	-2.5 to 2.5	Pass
		40	3.80	-0.112	-0.0001	-2.5 to 2.5	Pass
		50	3.80	-1.920	-0.0023	-2.5 to 2.5	Pass
HSUPA	826.4	20	3.23	-5.994	-0.0073	-2.5 to 2.5	Pass
			3.80	-6.147	-0.0074	-2.5 to 2.5	Pass
			4.37	-0.640	-0.0008	-2.5 to 2.5	Pass
		-30	3.80	-2.787	-0.0034	-2.5 to 2.5	Pass
		-20	3.80	-2.680	-0.0032	-2.5 to 2.5	Pass
		-10	3.80	-1.217	-0.0015	-2.5 to 2.5	Pass
		0	3.80	-1.565	-0.0019	-2.5 to 2.5	Pass
		10	3.80	-6.903	-0.0084	-2.5 to 2.5	Pass
		30	3.80	-4.452	-0.0054	-2.5 to 2.5	Pass
		40	3.80	-1.075	-0.0013	-2.5 to 2.5	Pass
		50	3.80	2.256	0.0027	-2.5 to 2.5	Pass
	836.6	20	3.23	1.531	0.0018	-2.5 to 2.5	Pass
			3.80	0.693	0.0008	-2.5 to 2.5	Pass
			4.37	-4.797	-0.0057	-2.5 to 2.5	Pass
		-30	3.80	-4.887	-0.0058	-2.5 to 2.5	Pass
		-20	3.80	-2.398	-0.0029	-2.5 to 2.5	Pass
		-10	3.80	-2.026	-0.0024	-2.5 to 2.5	Pass
		0	3.80	-3.363	-0.0040	-2.5 to 2.5	Pass
		10	3.80	-2.621	-0.0031	-2.5 to 2.5	Pass
		30	3.80	-6.057	-0.0072	-2.5 to 2.5	Pass
		40	3.80	1.170	0.0014	-2.5 to 2.5	Pass
		50	3.80	-1.408	-0.0017	-2.5 to 2.5	Pass
	846.6	20	3.23	-4.800	-0.0057	-2.5 to 2.5	Pass
			3.80	-5.901	-0.0070	-2.5 to 2.5	Pass
			4.37	0.159	0.0002	-2.5 to 2.5	Pass
		-30	3.80	3.632	0.0043	-2.5 to 2.5	Pass
		-20	3.80	3.320	0.0039	-2.5 to 2.5	Pass
		-10	3.80	-5.549	-0.0066	-2.5 to 2.5	Pass
		0	3.80	-5.736	-0.0068	-2.5 to 2.5	Pass
		10	3.80	-5.433	-0.0064	-2.5 to 2.5	Pass
		30	3.80	-3.123	-0.0037	-2.5 to 2.5	Pass
		40	3.80	-8.645	-0.0102	-2.5 to 2.5	Pass
		50	3.80	-2.652	-0.0031	-2.5 to 2.5	Pass