

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	3.27	-0.239	-0.0001	-2.5 to 2.5	Pass
			3.85	-0.500	-0.0003	-2.5 to 2.5	Pass
			4.43	-1.165	-0.0006	-2.5 to 2.5	Pass
		-30	3.85	-0.726	-0.0004	-2.5 to 2.5	Pass
		-20	3.85	-1.564	-0.0008	-2.5 to 2.5	Pass
		-10	3.85	-0.797	-0.0004	-2.5 to 2.5	Pass
		0	3.85	-1.290	-0.0007	-2.5 to 2.5	Pass
		10	3.85	-1.102	-0.0006	-2.5 to 2.5	Pass
		30	3.85	-1.556	-0.0008	-2.5 to 2.5	Pass
		40	3.85	-1.505	-0.0008	-2.5 to 2.5	Pass
		50	3.85	-0.843	-0.0005	-2.5 to 2.5	Pass
	1880	20	3.27	-1.593	-0.0008	-2.5 to 2.5	Pass
			3.85	-1.836	-0.0010	-2.5 to 2.5	Pass
			4.43	-1.216	-0.0006	-2.5 to 2.5	Pass
		-30	3.85	-2.172	-0.0012	-2.5 to 2.5	Pass
		-20	3.85	-2.062	-0.0011	-2.5 to 2.5	Pass
		-10	3.85	-1.540	-0.0008	-2.5 to 2.5	Pass
		0	3.85	-1.203	-0.0006	-2.5 to 2.5	Pass
		10	3.85	-0.814	-0.0004	-2.5 to 2.5	Pass
		30	3.85	-1.162	-0.0006	-2.5 to 2.5	Pass
		40	3.85	-1.425	-0.0008	-2.5 to 2.5	Pass
		50	3.85	-1.320	-0.0007	-2.5 to 2.5	Pass
	1907.6	20	3.27	-0.771	-0.0004	-2.5 to 2.5	Pass
			3.85	-1.732	-0.0009	-2.5 to 2.5	Pass
			4.43	-0.735	-0.0004	-2.5 to 2.5	Pass
		-30	3.85	-1.482	-0.0008	-2.5 to 2.5	Pass
		-20	3.85	-1.494	-0.0008	-2.5 to 2.5	Pass
		-10	3.85	-1.557	-0.0008	-2.5 to 2.5	Pass
		0	3.85	-1.935	-0.0010	-2.5 to 2.5	Pass
		10	3.85	-1.822	-0.0010	-2.5 to 2.5	Pass
		30	3.85	-1.528	-0.0008	-2.5 to 2.5	Pass
		40	3.85	-1.349	-0.0007	-2.5 to 2.5	Pass
		50	3.85	-1.637	-0.0009	-2.5 to 2.5	Pass
HSDPA	1852.4	20	3.27	1.171	0.0006	-2.5 to 2.5	Pass
			3.85	0.491	0.0003	-2.5 to 2.5	Pass
			4.43	1.504	0.0008	-2.5 to 2.5	Pass
		-30	3.85	1.991	0.0011	-2.5 to 2.5	Pass
		-20	3.85	1.308	0.0007	-2.5 to 2.5	Pass
		-10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
		0	3.85	1.929	0.0010	-2.5 to 2.5	Pass
		10	3.85	1.301	0.0007	-2.5 to 2.5	Pass
		30	3.85	0.843	0.0005	-2.5 to 2.5	Pass
		40	3.85	1.351	0.0007	-2.5 to 2.5	Pass
		50	3.85	-0.030	0.0000	-2.5 to 2.5	Pass
	1880	20	3.27	2.004	0.0011	-2.5 to 2.5	Pass
			3.85	2.478	0.0013	-2.5 to 2.5	Pass
			4.43	3.104	0.0017	-2.5 to 2.5	Pass
		-30	3.85	2.885	0.0015	-2.5 to 2.5	Pass
		-20	3.85	3.184	0.0017	-2.5 to 2.5	Pass

		-10	3.85	2.579	0.0014	-2.5 to 2.5	Pass
		0	3.85	2.207	0.0012	-2.5 to 2.5	Pass
		10	3.85	2.452	0.0013	-2.5 to 2.5	Pass
		30	3.85	1.844	0.0010	-2.5 to 2.5	Pass
		40	3.85	2.561	0.0014	-2.5 to 2.5	Pass
		50	3.85	2.259	0.0012	-2.5 to 2.5	Pass
	1907.6	20	3.27	2.021	0.0011	-2.5 to 2.5	Pass
			3.85	2.786	0.0015	-2.5 to 2.5	Pass
			4.43	2.818	0.0015	-2.5 to 2.5	Pass
		-30	3.85	2.154	0.0011	-2.5 to 2.5	Pass
		-20	3.85	2.745	0.0014	-2.5 to 2.5	Pass
		-10	3.85	1.509	0.0008	-2.5 to 2.5	Pass
		0	3.85	2.649	0.0014	-2.5 to 2.5	Pass
		10	3.85	2.175	0.0011	-2.5 to 2.5	Pass
		30	3.85	2.467	0.0013	-2.5 to 2.5	Pass
		40	3.85	2.915	0.0015	-2.5 to 2.5	Pass
		50	3.85	2.854	0.0015	-2.5 to 2.5	Pass
HSUPA	1852.4	20	3.27	-1.847	-0.0010	-2.5 to 2.5	Pass
			3.85	-1.035	-0.0006	-2.5 to 2.5	Pass
			4.43	-2.078	-0.0011	-2.5 to 2.5	Pass
		-30	3.85	-0.552	-0.0003	-2.5 to 2.5	Pass
		-20	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
		-10	3.85	-0.404	-0.0002	-2.5 to 2.5	Pass
		0	3.85	-1.756	-0.0009	-2.5 to 2.5	Pass
		10	3.85	-1.727	-0.0009	-2.5 to 2.5	Pass
		30	3.85	-0.492	-0.0003	-2.5 to 2.5	Pass
		40	3.85	-1.542	-0.0008	-2.5 to 2.5	Pass
		50	3.85	-1.824	-0.0010	-2.5 to 2.5	Pass
	1880	20	3.27	-1.421	-0.0008	-2.5 to 2.5	Pass
			3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
			4.43	-0.365	-0.0002	-2.5 to 2.5	Pass
		-30	3.85	-0.624	-0.0003	-2.5 to 2.5	Pass
		-20	3.85	-1.558	-0.0008	-2.5 to 2.5	Pass
		-10	3.85	-0.616	-0.0003	-2.5 to 2.5	Pass
		0	3.85	-0.590	-0.0003	-2.5 to 2.5	Pass
		10	3.85	-1.805	-0.0010	-2.5 to 2.5	Pass
		30	3.85	-0.703	-0.0004	-2.5 to 2.5	Pass
		40	3.85	-0.497	-0.0003	-2.5 to 2.5	Pass
		50	3.85	-0.568	-0.0003	-2.5 to 2.5	Pass
	1907.6	20	3.27	-0.106	-0.0001	-2.5 to 2.5	Pass
			3.85	-0.667	-0.0003	-2.5 to 2.5	Pass
			4.43	-0.327	-0.0002	-2.5 to 2.5	Pass
		-30	3.85	-0.164	-0.0001	-2.5 to 2.5	Pass
		-20	3.85	0.574	0.0003	-2.5 to 2.5	Pass
		-10	3.85	0.530	0.0003	-2.5 to 2.5	Pass
		0	3.85	0.112	0.0001	-2.5 to 2.5	Pass
		10	3.85	-0.244	-0.0001	-2.5 to 2.5	Pass
		30	3.85	-1.212	-0.0006	-2.5 to 2.5	Pass
		40	3.85	-0.565	-0.0003	-2.5 to 2.5	Pass
		50	3.85	-1.041	-0.0005	-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	3.27	-0.961	-0.0006	-2.5 to 2.5	Pass
			3.85	-1.904	-0.0011	-2.5 to 2.5	Pass
			4.43	-1.319	-0.0008	-2.5 to 2.5	Pass
		-30	3.85	-1.562	-0.0009	-2.5 to 2.5	Pass
		-20	3.85	-2.218	-0.0013	-2.5 to 2.5	Pass
		-10	3.85	-1.099	-0.0006	-2.5 to 2.5	Pass
		0	3.85	-1.639	-0.0010	-2.5 to 2.5	Pass
		10	3.85	-1.363	-0.0008	-2.5 to 2.5	Pass
		30	3.85	-1.223	-0.0007	-2.5 to 2.5	Pass
		40	3.85	-1.855	-0.0011	-2.5 to 2.5	Pass
		50	3.85	-1.705	-0.0010	-2.5 to 2.5	Pass
	1732.6	20	3.27	-0.822	-0.0005	-2.5 to 2.5	Pass
			3.85	-0.214	-0.0001	-2.5 to 2.5	Pass
			4.43	-0.954	-0.0006	-2.5 to 2.5	Pass
		-30	3.85	-0.911	-0.0005	-2.5 to 2.5	Pass
		-20	3.85	-0.990	-0.0006	-2.5 to 2.5	Pass
		-10	3.85	-1.141	-0.0007	-2.5 to 2.5	Pass
		0	3.85	-0.551	-0.0003	-2.5 to 2.5	Pass
		10	3.85	-1.381	-0.0008	-2.5 to 2.5	Pass
		30	3.85	-0.252	-0.0001	-2.5 to 2.5	Pass
		40	3.85	-0.138	-0.0001	-2.5 to 2.5	Pass
		50	3.85	-0.713	-0.0004	-2.5 to 2.5	Pass
	1752.6	20	3.27	-1.043	-0.0006	-2.5 to 2.5	Pass
			3.85	-0.713	-0.0004	-2.5 to 2.5	Pass
			4.43	0.196	0.0001	-2.5 to 2.5	Pass
		-30	3.85	-0.451	-0.0003	-2.5 to 2.5	Pass
		-20	3.85	0.061	0.0000	-2.5 to 2.5	Pass
		-10	3.85	-0.410	-0.0002	-2.5 to 2.5	Pass
		0	3.85	-0.448	-0.0003	-2.5 to 2.5	Pass
		10	3.85	0.134	0.0001	-2.5 to 2.5	Pass
		30	3.85	-0.500	-0.0003	-2.5 to 2.5	Pass
		40	3.85	-0.295	-0.0002	-2.5 to 2.5	Pass
		50	3.85	-0.245	-0.0001	-2.5 to 2.5	Pass
HSDPA	1712.4	20	3.27	-1.701	-0.0010	-2.5 to 2.5	Pass
			3.85	-1.066	-0.0006	-2.5 to 2.5	Pass
			4.43	-1.019	-0.0006	-2.5 to 2.5	Pass
		-30	3.85	-1.352	-0.0008	-2.5 to 2.5	Pass
		-20	3.85	-1.474	-0.0009	-2.5 to 2.5	Pass
		-10	3.85	-0.866	-0.0005	-2.5 to 2.5	Pass
		0	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
		10	3.85	-0.495	-0.0003	-2.5 to 2.5	Pass
		30	3.85	-0.893	-0.0005	-2.5 to 2.5	Pass
		40	3.85	-1.982	-0.0012	-2.5 to 2.5	Pass
		50	3.85	-1.640	-0.0010	-2.5 to 2.5	Pass
	1732.6	20	3.27	-2.699	-0.0016	-2.5 to 2.5	Pass
			3.85	1.761	0.0010	-2.5 to 2.5	Pass
			4.43	1.943	0.0011	-2.5 to 2.5	Pass
		-30	3.85	1.912	0.0011	-2.5 to 2.5	Pass
		-20	3.85	2.276	0.0013	-2.5 to 2.5	Pass
		-10	3.85	2.103	0.0012	-2.5 to 2.5	Pass
		0	3.85	2.173	0.0013	-2.5 to 2.5	Pass
		10	3.85	2.234	0.0013	-2.5 to 2.5	Pass
		30	3.85	1.794	0.0010	-2.5 to 2.5	Pass
		40	3.85	1.541	0.0009	-2.5 to 2.5	Pass
		50	3.85	1.943	0.0011	-2.5 to 2.5	Pass
	1752.6	20	3.27	-3.276	-0.0019	-2.5 to 2.5	Pass

			3.85	-2.556	-0.0015	-2.5 to 2.5	Pass
			4.43	-2.934	-0.0017	-2.5 to 2.5	Pass
		-30	3.85	-3.070	-0.0018	-2.5 to 2.5	Pass
		-20	3.85	-2.430	-0.0014	-2.5 to 2.5	Pass
		-10	3.85	-2.206	-0.0013	-2.5 to 2.5	Pass
		0	3.85	-2.079	-0.0012	-2.5 to 2.5	Pass
		10	3.85	-2.369	-0.0014	-2.5 to 2.5	Pass
		30	3.85	-2.463	-0.0014	-2.5 to 2.5	Pass
		40	3.85	-2.679	-0.0015	-2.5 to 2.5	Pass
		50	3.85	-2.894	-0.0017	-2.5 to 2.5	Pass
HSUPA	1712.4	20	3.27	-0.064	0.0000	-2.5 to 2.5	Pass
			3.85	0.147	0.0001	-2.5 to 2.5	Pass
			4.43	-0.689	-0.0004	-2.5 to 2.5	Pass
		-30	3.85	-1.221	-0.0007	-2.5 to 2.5	Pass
		-20	3.85	-0.923	-0.0005	-2.5 to 2.5	Pass
		-10	3.85	-1.923	-0.0011	-2.5 to 2.5	Pass
		0	3.85	-0.199	-0.0001	-2.5 to 2.5	Pass
		10	3.85	-1.199	-0.0007	-2.5 to 2.5	Pass
		30	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
		40	3.85	-0.578	-0.0003	-2.5 to 2.5	Pass
		50	3.85	-0.006	0.0000	-2.5 to 2.5	Pass
	1732.6	20	3.27	0.301	0.0002	-2.5 to 2.5	Pass
			3.85	0.574	0.0003	-2.5 to 2.5	Pass
			4.43	0.506	0.0003	-2.5 to 2.5	Pass
		-30	3.85	-0.281	-0.0002	-2.5 to 2.5	Pass
		-20	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
		-10	3.85	-0.308	-0.0002	-2.5 to 2.5	Pass
		0	3.85	-0.435	-0.0003	-2.5 to 2.5	Pass
		10	3.85	-0.355	-0.0002	-2.5 to 2.5	Pass
		30	3.85	-0.036	0.0000	-2.5 to 2.5	Pass
		40	3.85	-0.596	-0.0003	-2.5 to 2.5	Pass
		50	3.85	-0.640	-0.0004	-2.5 to 2.5	Pass
	1752.6	20	3.27	1.424	0.0008	-2.5 to 2.5	Pass
			3.85	1.924	0.0011	-2.5 to 2.5	Pass
			4.43	2.365	0.0013	-2.5 to 2.5	Pass
		-30	3.85	1.729	0.0010	-2.5 to 2.5	Pass
		-20	3.85	2.274	0.0013	-2.5 to 2.5	Pass
		-10	3.85	2.081	0.0012	-2.5 to 2.5	Pass
		0	3.85	1.438	0.0008	-2.5 to 2.5	Pass
		10	3.85	1.924	0.0011	-2.5 to 2.5	Pass
		30	3.85	0.922	0.0005	-2.5 to 2.5	Pass
		40	3.85	1.796	0.0010	-2.5 to 2.5	Pass
		50	3.85	1.309	0.0007	-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	3.27	-1.106	-0.0013	-2.5 to 2.5	Pass
			3.85	-1.017	-0.0012	-2.5 to 2.5	Pass
			4.43	-1.001	-0.0012	-2.5 to 2.5	Pass

		-30	3.85	-1.025	-0.0012	-2.5 to 2.5	Pass
		-20	3.85	-0.953	-0.0012	-2.5 to 2.5	Pass
		-10	3.85	-1.035	-0.0013	-2.5 to 2.5	Pass
		0	3.85	-0.467	-0.0006	-2.5 to 2.5	Pass
		10	3.85	-0.840	-0.0010	-2.5 to 2.5	Pass
		30	3.85	-0.617	-0.0007	-2.5 to 2.5	Pass
		40	3.85	-0.553	-0.0007	-2.5 to 2.5	Pass
		50	3.85	-0.799	-0.0010	-2.5 to 2.5	Pass
	836.6	20	3.27	-0.742	-0.0009	-2.5 to 2.5	Pass
			3.85	-0.696	-0.0008	-2.5 to 2.5	Pass
			4.43	-0.555	-0.0007	-2.5 to 2.5	Pass
		-30	3.85	-0.274	-0.0003	-2.5 to 2.5	Pass
		-20	3.85	-0.640	-0.0008	-2.5 to 2.5	Pass
		-10	3.85	-0.371	-0.0004	-2.5 to 2.5	Pass
		0	3.85	-0.980	-0.0012	-2.5 to 2.5	Pass
		10	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
		30	3.85	-0.550	-0.0007	-2.5 to 2.5	Pass
		40	3.85	-0.455	-0.0005	-2.5 to 2.5	Pass
		50	3.85	0.006	0.0000	-2.5 to 2.5	Pass
	846.6	20	3.27	-0.422	-0.0005	-2.5 to 2.5	Pass
			3.85	-0.173	-0.0002	-2.5 to 2.5	Pass
			4.43	-0.614	-0.0007	-2.5 to 2.5	Pass
		-30	3.85	-0.022	0.0000	-2.5 to 2.5	Pass
		-20	3.85	-0.158	-0.0002	-2.5 to 2.5	Pass
		-10	3.85	-0.328	-0.0004	-2.5 to 2.5	Pass
		0	3.85	-0.350	-0.0004	-2.5 to 2.5	Pass
		10	3.85	-0.026	0.0000	-2.5 to 2.5	Pass
		30	3.85	-0.196	-0.0002	-2.5 to 2.5	Pass
		40	3.85	-0.154	-0.0002	-2.5 to 2.5	Pass
		50	3.85	0.076	0.0001	-2.5 to 2.5	Pass
HSDPA	826.4	20	3.27	-0.850	-0.0010	-2.5 to 2.5	Pass
			3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
			4.43	-1.504	-0.0018	-2.5 to 2.5	Pass
		-30	3.85	-1.587	-0.0019	-2.5 to 2.5	Pass
		-20	3.85	-1.840	-0.0022	-2.5 to 2.5	Pass
		-10	3.85	-1.438	-0.0017	-2.5 to 2.5	Pass
		0	3.85	-1.412	-0.0017	-2.5 to 2.5	Pass
		10	3.85	-1.180	-0.0014	-2.5 to 2.5	Pass
		30	3.85	-1.648	-0.0020	-2.5 to 2.5	Pass
		40	3.85	-1.741	-0.0021	-2.5 to 2.5	Pass
		50	3.85	-1.391	-0.0017	-2.5 to 2.5	Pass
	836.6	20	3.27	0.324	0.0004	-2.5 to 2.5	Pass
			3.85	-0.133	-0.0002	-2.5 to 2.5	Pass
			4.43	-0.367	-0.0004	-2.5 to 2.5	Pass
		-30	3.85	-0.542	-0.0006	-2.5 to 2.5	Pass
		-20	3.85	-0.460	-0.0005	-2.5 to 2.5	Pass
		-10	3.85	-0.232	-0.0003	-2.5 to 2.5	Pass
		0	3.85	-0.722	-0.0009	-2.5 to 2.5	Pass
		10	3.85	-0.092	-0.0001	-2.5 to 2.5	Pass
		30	3.85	-0.847	-0.0010	-2.5 to 2.5	Pass
		40	3.85	-0.460	-0.0005	-2.5 to 2.5	Pass
		50	3.85	-0.508	-0.0006	-2.5 to 2.5	Pass
	846.6	20	3.27	0.473	0.0006	-2.5 to 2.5	Pass
			3.85	0.410	0.0005	-2.5 to 2.5	Pass
			4.43	0.194	0.0002	-2.5 to 2.5	Pass
		-30	3.85	0.476	0.0006	-2.5 to 2.5	Pass
		-20	3.85	0.009	0.0000	-2.5 to 2.5	Pass
		-10	3.85	0.260	0.0003	-2.5 to 2.5	Pass
		0	3.85	0.246	0.0003	-2.5 to 2.5	Pass

		10	3.85	0.158	0.0002	-2.5 to 2.5	Pass
		30	3.85	0.284	0.0003	-2.5 to 2.5	Pass
		40	3.85	0.288	0.0003	-2.5 to 2.5	Pass
		50	3.85	0.540	0.0006	-2.5 to 2.5	Pass
HSUPA	826.4	20	3.27	-0.569	-0.0007	-2.5 to 2.5	Pass
			3.85	-0.895	-0.0011	-2.5 to 2.5	Pass
			4.43	-0.252	-0.0003	-2.5 to 2.5	Pass
		-30	3.85	-0.941	-0.0011	-2.5 to 2.5	Pass
		-20	3.85	-0.661	-0.0008	-2.5 to 2.5	Pass
		-10	3.85	-0.536	-0.0006	-2.5 to 2.5	Pass
		0	3.85	-0.380	-0.0005	-2.5 to 2.5	Pass
		10	3.85	-0.961	-0.0012	-2.5 to 2.5	Pass
		30	3.85	-0.818	-0.0010	-2.5 to 2.5	Pass
		40	3.85	-0.787	-0.0010	-2.5 to 2.5	Pass
		50	3.85	-1.294	-0.0016	-2.5 to 2.5	Pass
	836.6	20	3.27	0.669	0.0008	-2.5 to 2.5	Pass
			3.85	-0.596	-0.0007	-2.5 to 2.5	Pass
			4.43	-1.009	-0.0012	-2.5 to 2.5	Pass
		-30	3.85	-0.606	-0.0007	-2.5 to 2.5	Pass
		-20	3.85	-0.813	-0.0010	-2.5 to 2.5	Pass
		-10	3.85	-0.412	-0.0005	-2.5 to 2.5	Pass
		0	3.85	-0.199	-0.0002	-2.5 to 2.5	Pass
		10	3.85	-0.116	-0.0001	-2.5 to 2.5	Pass
		30	3.85	-0.004	0.0000	-2.5 to 2.5	Pass
		40	3.85	0.528	0.0006	-2.5 to 2.5	Pass
		50	3.85	-0.339	-0.0004	-2.5 to 2.5	Pass
	846.6	20	3.27	0.709	0.0008	-2.5 to 2.5	Pass
			3.85	0.482	0.0006	-2.5 to 2.5	Pass
			4.43	1.083	0.0013	-2.5 to 2.5	Pass
		-30	3.85	1.571	0.0019	-2.5 to 2.5	Pass
		-20	3.85	1.249	0.0015	-2.5 to 2.5	Pass
		-10	3.85	0.564	0.0007	-2.5 to 2.5	Pass
		0	3.85	1.279	0.0015	-2.5 to 2.5	Pass
		10	3.85	0.231	0.0003	-2.5 to 2.5	Pass
		30	3.85	1.651	0.0020	-2.5 to 2.5	Pass
		40	3.85	0.267	0.0003	-2.5 to 2.5	Pass
		50	3.85	1.259	0.0015	-2.5 to 2.5	Pass