

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	2.925	0.0016	-2.5 to 2.5	Pass
			3.85	0.157	0.0001	-2.5 to 2.5	Pass
			4.43	-2.611	-0.0014	-2.5 to 2.5	Pass
		-30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
		-20	3.85	1.073	0.0006	-2.5 to 2.5	Pass
		-10	3.85	-1.888	-0.0010	-2.5 to 2.5	Pass
		0	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
		10	3.85	-2.911	-0.0016	-2.5 to 2.5	Pass
		30	3.85	-3.376	-0.0018	-2.5 to 2.5	Pass
		40	3.85	1.359	0.0007	-2.5 to 2.5	Pass
		50	3.85	-1.080	-0.0006	-2.5 to 2.5	Pass
	1880	20	3.27	2.260	0.0012	-2.5 to 2.5	Pass
			3.85	2.646	0.0014	-2.5 to 2.5	Pass
			4.43	0.744	0.0004	-2.5 to 2.5	Pass
		-30	3.85	-7.660	-0.0041	-2.5 to 2.5	Pass
		-20	3.85	1.545	0.0008	-2.5 to 2.5	Pass
		-10	3.85	6.037	0.0032	-2.5 to 2.5	Pass
		0	3.85	-3.812	-0.0020	-2.5 to 2.5	Pass
		10	3.85	-4.513	-0.0024	-2.5 to 2.5	Pass
		30	3.85	1.981	0.0011	-2.5 to 2.5	Pass
		40	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
		50	3.85	-0.880	-0.0005	-2.5 to 2.5	Pass
	1907.6	20	3.27	-10.965	-0.0057	-2.5 to 2.5	Pass
			3.85	1.373	0.0007	-2.5 to 2.5	Pass
			4.43	-3.676	-0.0019	-2.5 to 2.5	Pass
		-30	3.85	3.119	0.0016	-2.5 to 2.5	Pass
		-20	3.85	-3.676	-0.0019	-2.5 to 2.5	Pass
		-10	3.85	-5.221	-0.0027	-2.5 to 2.5	Pass
		0	3.85	-2.933	-0.0015	-2.5 to 2.5	Pass
		10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
		30	3.85	1.981	0.0010	-2.5 to 2.5	Pass
		40	3.85	2.747	0.0014	-2.5 to 2.5	Pass
		50	3.85	3.719	0.0019	-2.5 to 2.5	Pass
HSDPA	1852.4	20	3.27	5.980	0.0032	-2.5 to 2.5	Pass
			3.85	7.160	0.0039	-2.5 to 2.5	Pass
			4.43	6.437	0.0035	-2.5 to 2.5	Pass
		-30	3.85	7.131	0.0038	-2.5 to 2.5	Pass
		-20	3.85	10.607	0.0057	-2.5 to 2.5	Pass
		-10	3.85	8.526	0.0046	-2.5 to 2.5	Pass
		0	3.85	5.951	0.0032	-2.5 to 2.5	Pass
		10	3.85	0.379	0.0002	-2.5 to 2.5	Pass
		30	3.85	7.718	0.0042	-2.5 to 2.5	Pass
		40	3.85	11.258	0.0061	-2.5 to 2.5	Pass
		50	3.85	13.146	0.0071	-2.5 to 2.5	Pass
	1880	20	3.27	12.538	0.0067	-2.5 to 2.5	Pass
			3.85	11.909	0.0063	-2.5 to 2.5	Pass

			4.43	11.859	0.0063	-2.5 to 2.5	Pass
		-30	3.85	10.922	0.0058	-2.5 to 2.5	Pass
		-20	3.85	9.291	0.0049	-2.5 to 2.5	Pass
		-10	3.85	12.360	0.0066	-2.5 to 2.5	Pass
		0	3.85	9.842	0.0052	-2.5 to 2.5	Pass
		10	3.85	11.816	0.0063	-2.5 to 2.5	Pass
		30	3.85	11.609	0.0062	-2.5 to 2.5	Pass
		40	3.85	11.101	0.0059	-2.5 to 2.5	Pass
		50	3.85	11.544	0.0061	-2.5 to 2.5	Pass
	1907.6	20	3.27	8.540	0.0045	-2.5 to 2.5	Pass
			3.85	12.195	0.0064	-2.5 to 2.5	Pass
			4.43	10.557	0.0055	-2.5 to 2.5	Pass
		-30	3.85	10.157	0.0053	-2.5 to 2.5	Pass
		-20	3.85	3.290	0.0017	-2.5 to 2.5	Pass
		-10	3.85	1.523	0.0008	-2.5 to 2.5	Pass
		0	3.85	15.635	0.0082	-2.5 to 2.5	Pass
		10	3.85	15.686	0.0082	-2.5 to 2.5	Pass
		30	3.85	15.221	0.0080	-2.5 to 2.5	Pass
		40	3.85	8.569	0.0045	-2.5 to 2.5	Pass
		50	3.85	5.465	0.0029	-2.5 to 2.5	Pass
HSUPA	1852.4	20	3.27	-11.537	-0.0062	-2.5 to 2.5	Pass
			3.85	-17.524	-0.0095	-2.5 to 2.5	Pass
			4.43	-11.773	-0.0064	-2.5 to 2.5	Pass
		-30	3.85	-2.303	-0.0012	-2.5 to 2.5	Pass
		-20	3.85	-7.317	-0.0040	-2.5 to 2.5	Pass
		-10	3.85	-9.778	-0.0053	-2.5 to 2.5	Pass
		0	3.85	-13.282	-0.0072	-2.5 to 2.5	Pass
		10	3.85	-12.717	-0.0069	-2.5 to 2.5	Pass
		30	3.85	-9.663	-0.0052	-2.5 to 2.5	Pass
		40	3.85	-9.062	-0.0049	-2.5 to 2.5	Pass
		50	3.85	-9.685	-0.0052	-2.5 to 2.5	Pass
	1880	20	3.27	-14.141	-0.0075	-2.5 to 2.5	Pass
			3.85	-2.089	-0.0011	-2.5 to 2.5	Pass
			4.43	-6.723	-0.0036	-2.5 to 2.5	Pass
		-30	3.85	-2.182	-0.0012	-2.5 to 2.5	Pass
		-20	3.85	-4.635	-0.0025	-2.5 to 2.5	Pass
		-10	3.85	-9.320	-0.0050	-2.5 to 2.5	Pass
		0	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
		10	3.85	-4.735	-0.0025	-2.5 to 2.5	Pass
		30	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
		40	3.85	-17.145	-0.0091	-2.5 to 2.5	Pass
		50	3.85	-9.127	-0.0049	-2.5 to 2.5	Pass
	1907.6	20	3.27	-5.300	-0.0028	-2.5 to 2.5	Pass
			3.85	-6.788	-0.0036	-2.5 to 2.5	Pass
			4.43	-15.256	-0.0080	-2.5 to 2.5	Pass
		-30	3.85	-18.168	-0.0095	-2.5 to 2.5	Pass
		-20	3.85	-20.177	-0.0106	-2.5 to 2.5	Pass
		-10	3.85	0.687	0.0004	-2.5 to 2.5	Pass
		0	3.85	-5.958	-0.0031	-2.5 to 2.5	Pass
		10	3.85	-5.221	-0.0027	-2.5 to 2.5	Pass
		30	3.85	-6.359	-0.0033	-2.5 to 2.5	Pass
		40	3.85	-13.297	-0.0070	-2.5 to 2.5	Pass
		50	3.85	-14.606	-0.0077	-2.5 to 2.5	Pass

2. Frequency Stability

2.1 Band5

2.1.1 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	0.637	0.0008	-2.5 to 2.5	Pass
			3.85	2.203	0.0027	-2.5 to 2.5	Pass
			4.43	-1.588	-0.0019	-2.5 to 2.5	Pass
		-30	3.85	1.838	0.0022	-2.5 to 2.5	Pass
		-20	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
		-10	3.85	1.116	0.0014	-2.5 to 2.5	Pass
		0	3.85	0.594	0.0007	-2.5 to 2.5	Pass
		10	3.85	1.016	0.0012	-2.5 to 2.5	Pass
		30	3.85	0.894	0.0011	-2.5 to 2.5	Pass
		40	3.85	-1.388	-0.0017	-2.5 to 2.5	Pass
		50	3.85	-1.853	-0.0022	-2.5 to 2.5	Pass
	836.6	20	3.27	3.312	0.0040	-2.5 to 2.5	Pass
			3.85	0.529	0.0006	-2.5 to 2.5	Pass
			4.43	0.265	0.0003	-2.5 to 2.5	Pass
		-30	3.85	-0.823	-0.0010	-2.5 to 2.5	Pass
		-20	3.85	0.551	0.0007	-2.5 to 2.5	Pass
		-10	3.85	0.243	0.0003	-2.5 to 2.5	Pass
		0	3.85	-0.608	-0.0007	-2.5 to 2.5	Pass
		10	3.85	0.243	0.0003	-2.5 to 2.5	Pass
		30	3.85	-0.637	-0.0008	-2.5 to 2.5	Pass
		40	3.85	1.459	0.0017	-2.5 to 2.5	Pass
		50	3.85	-0.865	-0.0010	-2.5 to 2.5	Pass
	846.6	20	3.27	0.029	0.0000	-2.5 to 2.5	Pass
			3.85	-0.958	-0.0011	-2.5 to 2.5	Pass
			4.43	0.865	0.0010	-2.5 to 2.5	Pass
		-30	3.85	0.300	0.0004	-2.5 to 2.5	Pass
		-20	3.85	-2.239	-0.0026	-2.5 to 2.5	Pass
		-10	3.85	-1.366	-0.0016	-2.5 to 2.5	Pass
		0	3.85	3.304	0.0039	-2.5 to 2.5	Pass
		10	3.85	2.875	0.0034	-2.5 to 2.5	Pass
		30	3.85	3.004	0.0035	-2.5 to 2.5	Pass
		40	3.85	0.343	0.0004	-2.5 to 2.5	Pass
		50	3.85	0.365	0.0004	-2.5 to 2.5	Pass
HSDPA	826.4	20	3.27	4.098	0.0050	-2.5 to 2.5	Pass
			3.85	3.569	0.0043	-2.5 to 2.5	Pass
			4.43	4.942	0.0060	-2.5 to 2.5	Pass
		-30	3.85	3.355	0.0041	-2.5 to 2.5	Pass
		-20	3.85	4.270	0.0052	-2.5 to 2.5	Pass
		-10	3.85	4.284	0.0052	-2.5 to 2.5	Pass
		0	3.85	3.641	0.0044	-2.5 to 2.5	Pass
		10	3.85	4.256	0.0052	-2.5 to 2.5	Pass
		30	3.85	3.276	0.0040	-2.5 to 2.5	Pass
		40	3.85	4.585	0.0055	-2.5 to 2.5	Pass
		50	3.85	5.171	0.0063	-2.5 to 2.5	Pass

	836.6	20	3.27	0.165	0.0002	-2.5 to 2.5	Pass
			3.85	1.767	0.0021	-2.5 to 2.5	Pass
			4.43	2.589	0.0031	-2.5 to 2.5	Pass
		-30	3.85	2.475	0.0030	-2.5 to 2.5	Pass
		-20	3.85	2.310	0.0028	-2.5 to 2.5	Pass
		-10	3.85	2.418	0.0029	-2.5 to 2.5	Pass
		0	3.85	1.981	0.0024	-2.5 to 2.5	Pass
		10	3.85	1.860	0.0022	-2.5 to 2.5	Pass
		30	3.85	2.589	0.0031	-2.5 to 2.5	Pass
		40	3.85	1.781	0.0021	-2.5 to 2.5	Pass
		50	3.85	1.380	0.0016	-2.5 to 2.5	Pass
	846.6	20	3.27	4.456	0.0053	-2.5 to 2.5	Pass
			3.85	0.100	0.0001	-2.5 to 2.5	Pass
			4.43	0.207	0.0002	-2.5 to 2.5	Pass
		-30	3.85	4.456	0.0053	-2.5 to 2.5	Pass
		-20	3.85	3.490	0.0041	-2.5 to 2.5	Pass
		-10	3.85	2.718	0.0032	-2.5 to 2.5	Pass
		0	3.85	0.894	0.0011	-2.5 to 2.5	Pass
		10	3.85	5.014	0.0059	-2.5 to 2.5	Pass
		30	3.85	6.444	0.0076	-2.5 to 2.5	Pass
		40	3.85	4.599	0.0054	-2.5 to 2.5	Pass
		50	3.85	3.276	0.0039	-2.5 to 2.5	Pass
HSUPA	826.4	20	3.27	-2.224	-0.0027	-2.5 to 2.5	Pass
			3.85	-1.810	-0.0022	-2.5 to 2.5	Pass
			4.43	-1.974	-0.0024	-2.5 to 2.5	Pass
		-30	3.85	-1.695	-0.0021	-2.5 to 2.5	Pass
		-20	3.85	-2.110	-0.0026	-2.5 to 2.5	Pass
		-10	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
		0	3.85	0.901	0.0011	-2.5 to 2.5	Pass
		10	3.85	0.629	0.0008	-2.5 to 2.5	Pass
		30	3.85	0.179	0.0002	-2.5 to 2.5	Pass
		40	3.85	0.236	0.0003	-2.5 to 2.5	Pass
		50	3.85	-0.122	-0.0001	-2.5 to 2.5	Pass
	836.6	20	3.27	-2.325	-0.0028	-2.5 to 2.5	Pass
			3.85	-0.508	-0.0006	-2.5 to 2.5	Pass
			4.43	-1.295	-0.0015	-2.5 to 2.5	Pass
		-30	3.85	-2.754	-0.0033	-2.5 to 2.5	Pass
		-20	3.85	-1.938	-0.0023	-2.5 to 2.5	Pass
		-10	3.85	-2.875	-0.0034	-2.5 to 2.5	Pass
		0	3.85	-1.924	-0.0023	-2.5 to 2.5	Pass
		10	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
		30	3.85	-0.865	-0.0010	-2.5 to 2.5	Pass
		40	3.85	-2.124	-0.0025	-2.5 to 2.5	Pass
		50	3.85	-1.724	-0.0021	-2.5 to 2.5	Pass
	846.6	20	3.27	1.831	0.0022	-2.5 to 2.5	Pass
			3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
			4.43	-1.116	-0.0013	-2.5 to 2.5	Pass
		-30	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
		-20	3.85	2.325	0.0027	-2.5 to 2.5	Pass
		-10	3.85	-0.494	-0.0006	-2.5 to 2.5	Pass
		0	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
		10	3.85	-1.137	-0.0013	-2.5 to 2.5	Pass
		30	3.85	-1.502	-0.0018	-2.5 to 2.5	Pass
		40	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
		50	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass