

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	0.813	0.0004	-2.5 to 2.5	Pass
			3.85	0.996	0.0005	-2.5 to 2.5	Pass
			4.43	-0.074	0.0000	-2.5 to 2.5	Pass
		-30	3.85	0.778	0.0004	-2.5 to 2.5	Pass
		-20	3.85	0.352	0.0002	-2.5 to 2.5	Pass
		-10	3.85	0.527	0.0003	-2.5 to 2.5	Pass
		0	3.85	0.164	0.0001	-2.5 to 2.5	Pass
		10	3.85	0.425	0.0002	-2.5 to 2.5	Pass
		30	3.85	0.431	0.0002	-2.5 to 2.5	Pass
		40	3.85	0.599	0.0003	-2.5 to 2.5	Pass
		50	3.85	0.404	0.0002	-2.5 to 2.5	Pass
	1880	20	3.27	-0.932	-0.0005	-2.5 to 2.5	Pass
			3.85	-0.910	-0.0005	-2.5 to 2.5	Pass
			4.43	-0.977	-0.0005	-2.5 to 2.5	Pass
		-30	3.85	-1.157	-0.0006	-2.5 to 2.5	Pass
		-20	3.85	-1.225	-0.0007	-2.5 to 2.5	Pass
		-10	3.85	-0.634	-0.0003	-2.5 to 2.5	Pass
		0	3.85	-0.889	-0.0005	-2.5 to 2.5	Pass
		10	3.85	-1.060	-0.0006	-2.5 to 2.5	Pass
		30	3.85	-0.021	0.0000	-2.5 to 2.5	Pass
		40	3.85	-1.461	-0.0008	-2.5 to 2.5	Pass
		50	3.85	-0.579	-0.0003	-2.5 to 2.5	Pass
	1907.6	20	3.27	-1.921	-0.0010	-2.5 to 2.5	Pass
			3.85	-1.734	-0.0009	-2.5 to 2.5	Pass
			4.43	-2.230	-0.0012	-2.5 to 2.5	Pass
		-30	3.85	-2.166	-0.0011	-2.5 to 2.5	Pass
		-20	3.85	-2.734	-0.0014	-2.5 to 2.5	Pass
		-10	3.85	-1.953	-0.0010	-2.5 to 2.5	Pass
		0	3.85	-1.784	-0.0009	-2.5 to 2.5	Pass
		10	3.85	-2.042	-0.0011	-2.5 to 2.5	Pass
		30	3.85	-2.271	-0.0012	-2.5 to 2.5	Pass
		40	3.85	-2.385	-0.0013	-2.5 to 2.5	Pass
		50	3.85	-2.268	-0.0012	-2.5 to 2.5	Pass
HSDPA	1852.4	20	3.27	4.407	0.0024	-2.5 to 2.5	Pass
			3.85	3.908	0.0021	-2.5 to 2.5	Pass
			4.43	4.588	0.0025	-2.5 to 2.5	Pass
		-30	3.85	4.554	0.0025	-2.5 to 2.5	Pass
		-20	3.85	4.300	0.0023	-2.5 to 2.5	Pass
		-10	3.85	4.258	0.0023	-2.5 to 2.5	Pass
		0	3.85	4.352	0.0023	-2.5 to 2.5	Pass
		10	3.85	4.396	0.0024	-2.5 to 2.5	Pass
		30	3.85	3.532	0.0019	-2.5 to 2.5	Pass
		40	3.85	4.125	0.0022	-2.5 to 2.5	Pass
		50	3.85	4.047	0.0022	-2.5 to 2.5	Pass
	1880	20	3.27	2.908	0.0015	-2.5 to 2.5	Pass
			3.85	3.484	0.0019	-2.5 to 2.5	Pass

			4.43	2.108	0.0011	-2.5 to 2.5	Pass
		-30	3.85	2.379	0.0013	-2.5 to 2.5	Pass
		-20	3.85	2.701	0.0014	-2.5 to 2.5	Pass
		-10	3.85	2.934	0.0016	-2.5 to 2.5	Pass
		0	3.85	2.548	0.0014	-2.5 to 2.5	Pass
		10	3.85	2.311	0.0012	-2.5 to 2.5	Pass
		30	3.85	2.736	0.0015	-2.5 to 2.5	Pass
		40	3.85	3.180	0.0017	-2.5 to 2.5	Pass
		50	3.85	3.647	0.0019	-2.5 to 2.5	Pass
	1907.6	20	3.27	-0.243	-0.0001	-2.5 to 2.5	Pass
			3.85	-0.309	-0.0002	-2.5 to 2.5	Pass
			4.43	-0.924	-0.0005	-2.5 to 2.5	Pass
		-30	3.85	-0.603	-0.0003	-2.5 to 2.5	Pass
		-20	3.85	-0.739	-0.0004	-2.5 to 2.5	Pass
		-10	3.85	-0.176	-0.0001	-2.5 to 2.5	Pass
		0	3.85	-1.379	-0.0007	-2.5 to 2.5	Pass
		10	3.85	-0.969	-0.0005	-2.5 to 2.5	Pass
		30	3.85	-1.216	-0.0006	-2.5 to 2.5	Pass
		40	3.85	-0.960	-0.0005	-2.5 to 2.5	Pass
		50	3.85	-1.008	-0.0005	-2.5 to 2.5	Pass
HSUPA	1852.4	20	3.27	0.468	0.0003	-2.5 to 2.5	Pass
			3.85	1.280	0.0007	-2.5 to 2.5	Pass
			4.43	0.578	0.0003	-2.5 to 2.5	Pass
		-30	3.85	1.369	0.0007	-2.5 to 2.5	Pass
		-20	3.85	1.817	0.0010	-2.5 to 2.5	Pass
		-10	3.85	1.598	0.0009	-2.5 to 2.5	Pass
		0	3.85	1.163	0.0006	-2.5 to 2.5	Pass
		10	3.85	0.641	0.0003	-2.5 to 2.5	Pass
		30	3.85	1.999	0.0011	-2.5 to 2.5	Pass
		40	3.85	1.704	0.0009	-2.5 to 2.5	Pass
		50	3.85	2.917	0.0016	-2.5 to 2.5	Pass
	1880	20	3.27	-0.197	-0.0001	-2.5 to 2.5	Pass
			3.85	0.629	0.0003	-2.5 to 2.5	Pass
			4.43	-0.621	-0.0003	-2.5 to 2.5	Pass
		-30	3.85	-0.956	-0.0005	-2.5 to 2.5	Pass
		-20	3.85	-0.456	-0.0002	-2.5 to 2.5	Pass
		-10	3.85	-0.031	0.0000	-2.5 to 2.5	Pass
		0	3.85	-0.451	-0.0002	-2.5 to 2.5	Pass
		10	3.85	0.344	0.0002	-2.5 to 2.5	Pass
		30	3.85	0.599	0.0003	-2.5 to 2.5	Pass
		40	3.85	0.012	0.0000	-2.5 to 2.5	Pass
		50	3.85	-0.574	-0.0003	-2.5 to 2.5	Pass
	1907.6	20	3.27	-1.980	-0.0010	-2.5 to 2.5	Pass
			3.85	-1.862	-0.0010	-2.5 to 2.5	Pass
			4.43	-1.858	-0.0010	-2.5 to 2.5	Pass
		-30	3.85	-2.419	-0.0013	-2.5 to 2.5	Pass
		-20	3.85	-2.893	-0.0015	-2.5 to 2.5	Pass
		-10	3.85	-1.354	-0.0007	-2.5 to 2.5	Pass
		0	3.85	-1.627	-0.0009	-2.5 to 2.5	Pass
		10	3.85	-1.659	-0.0009	-2.5 to 2.5	Pass
		30	3.85	-2.451	-0.0013	-2.5 to 2.5	Pass
		40	3.85	-2.545	-0.0013	-2.5 to 2.5	Pass
		50	3.85	-2.006	-0.0011	-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	9.685	0.0057	-2.5 to 2.5	Pass
			3.85	9.611	0.0056	-2.5 to 2.5	Pass
			4.43	10.035	0.0059	-2.5 to 2.5	Pass
		-30	3.85	9.771	0.0057	-2.5 to 2.5	Pass
		-20	3.85	9.195	0.0054	-2.5 to 2.5	Pass
		-10	3.85	9.439	0.0055	-2.5 to 2.5	Pass
		0	3.85	9.479	0.0055	-2.5 to 2.5	Pass
		10	3.85	9.425	0.0055	-2.5 to 2.5	Pass
		30	3.85	9.329	0.0054	-2.5 to 2.5	Pass
		40	3.85	10.100	0.0059	-2.5 to 2.5	Pass
		50	3.85	9.662	0.0056	-2.5 to 2.5	Pass
	1732.6	20	3.27	0.265	0.0002	-2.5 to 2.5	Pass
			3.85	0.171	0.0001	-2.5 to 2.5	Pass
			4.43	-0.142	-0.0001	-2.5 to 2.5	Pass
		-30	3.85	0.268	0.0002	-2.5 to 2.5	Pass
		-20	3.85	-0.135	-0.0001	-2.5 to 2.5	Pass
		-10	3.85	-0.209	-0.0001	-2.5 to 2.5	Pass
		0	3.85	-0.332	-0.0002	-2.5 to 2.5	Pass
		10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
		30	3.85	0.158	0.0001	-2.5 to 2.5	Pass
		40	3.85	0.732	0.0004	-2.5 to 2.5	Pass
		50	3.85	-0.174	-0.0001	-2.5 to 2.5	Pass
	1752.6	20	3.27	-9.308	-0.0053	-2.5 to 2.5	Pass
			3.85	-9.287	-0.0053	-2.5 to 2.5	Pass
			4.43	-9.150	-0.0052	-2.5 to 2.5	Pass
		-30	3.85	-8.637	-0.0049	-2.5 to 2.5	Pass
		-20	3.85	-9.182	-0.0052	-2.5 to 2.5	Pass
		-10	3.85	-9.641	-0.0055	-2.5 to 2.5	Pass
		0	3.85	-9.249	-0.0053	-2.5 to 2.5	Pass
		10	3.85	-8.916	-0.0051	-2.5 to 2.5	Pass
		30	3.85	-9.669	-0.0055	-2.5 to 2.5	Pass
		40	3.85	-9.059	-0.0052	-2.5 to 2.5	Pass
		50	3.85	-9.510	-0.0054	-2.5 to 2.5	Pass
HSDPA	1712.4	20	3.27	12.042	0.0070	-2.5 to 2.5	Pass
			3.85	12.475	0.0073	-2.5 to 2.5	Pass
			4.43	11.985	0.0070	-2.5 to 2.5	Pass
		-30	3.85	12.209	0.0071	-2.5 to 2.5	Pass
		-20	3.85	12.427	0.0073	-2.5 to 2.5	Pass
		-10	3.85	11.823	0.0069	-2.5 to 2.5	Pass
		0	3.85	12.924	0.0075	-2.5 to 2.5	Pass
		10	3.85	12.465	0.0073	-2.5 to 2.5	Pass
		30	3.85	12.060	0.0070	-2.5 to 2.5	Pass
		40	3.85	12.278	0.0072	-2.5 to 2.5	Pass
		50	3.85	12.442	0.0073	-2.5 to 2.5	Pass
	1732.6	20	3.27	1.625	0.0009	-2.5 to 2.5	Pass
			3.85	1.957	0.0011	-2.5 to 2.5	Pass
			4.43	1.617	0.0009	-2.5 to 2.5	Pass
		-30	3.85	1.924	0.0011	-2.5 to 2.5	Pass
		-20	3.85	1.961	0.0011	-2.5 to 2.5	Pass

		-10	3.85	1.914	0.0011	-2.5 to 2.5	Pass
		0	3.85	1.887	0.0011	-2.5 to 2.5	Pass
		10	3.85	2.214	0.0013	-2.5 to 2.5	Pass
		30	3.85	2.524	0.0015	-2.5 to 2.5	Pass
		40	3.85	2.418	0.0014	-2.5 to 2.5	Pass
		50	3.85	2.070	0.0012	-2.5 to 2.5	Pass
	1752.6	20	3.27	-7.588	-0.0043	-2.5 to 2.5	Pass
			3.85	-7.936	-0.0045	-2.5 to 2.5	Pass
			4.43	-8.451	-0.0048	-2.5 to 2.5	Pass
		-30	3.85	-7.794	-0.0044	-2.5 to 2.5	Pass
		-20	3.85	-8.433	-0.0048	-2.5 to 2.5	Pass
		-10	3.85	-7.756	-0.0044	-2.5 to 2.5	Pass
		0	3.85	-7.908	-0.0045	-2.5 to 2.5	Pass
		10	3.85	-7.441	-0.0042	-2.5 to 2.5	Pass
		30	3.85	-7.603	-0.0043	-2.5 to 2.5	Pass
		40	3.85	-7.394	-0.0042	-2.5 to 2.5	Pass
		50	3.85	-8.438	-0.0048	-2.5 to 2.5	Pass
HSUPA	1712.4	20	3.27	7.589	0.0044	-2.5 to 2.5	Pass
			3.85	8.064	0.0047	-2.5 to 2.5	Pass
			4.43	6.893	0.0040	-2.5 to 2.5	Pass
		-30	3.85	7.695	0.0045	-2.5 to 2.5	Pass
		-20	3.85	6.621	0.0039	-2.5 to 2.5	Pass
		-10	3.85	6.530	0.0038	-2.5 to 2.5	Pass
		0	3.85	7.650	0.0045	-2.5 to 2.5	Pass
		10	3.85	7.264	0.0042	-2.5 to 2.5	Pass
		30	3.85	8.269	0.0048	-2.5 to 2.5	Pass
		40	3.85	7.832	0.0046	-2.5 to 2.5	Pass
	1732.6	20	3.27	2.597	0.0015	-2.5 to 2.5	Pass
			3.85	0.280	0.0002	-2.5 to 2.5	Pass
			4.43	1.005	0.0006	-2.5 to 2.5	Pass
		-30	3.85	1.436	0.0008	-2.5 to 2.5	Pass
		-20	3.85	0.492	0.0003	-2.5 to 2.5	Pass
		-10	3.85	1.124	0.0006	-2.5 to 2.5	Pass
		0	3.85	0.782	0.0005	-2.5 to 2.5	Pass
		10	3.85	1.932	0.0011	-2.5 to 2.5	Pass
		30	3.85	0.484	0.0003	-2.5 to 2.5	Pass
		40	3.85	1.132	0.0007	-2.5 to 2.5	Pass
	1752.6	20	3.27	-6.308	-0.0036	-2.5 to 2.5	Pass
			3.85	-5.067	-0.0029	-2.5 to 2.5	Pass
			4.43	-5.179	-0.0030	-2.5 to 2.5	Pass
		-30	3.85	-5.031	-0.0029	-2.5 to 2.5	Pass
		-20	3.85	-5.445	-0.0031	-2.5 to 2.5	Pass
		-10	3.85	-5.282	-0.0030	-2.5 to 2.5	Pass
		0	3.85	-4.868	-0.0028	-2.5 to 2.5	Pass
		10	3.85	-6.424	-0.0037	-2.5 to 2.5	Pass
		30	3.85	-5.662	-0.0032	-2.5 to 2.5	Pass
		40	3.85	-6.050	-0.0035	-2.5 to 2.5	Pass
		50	3.85	-6.140	-0.0035	-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	1.210	0.0015	-2.5 to 2.5	Pass
			3.85	1.087	0.0013	-2.5 to 2.5	Pass
			4.43	1.323	0.0016	-2.5 to 2.5	Pass
		-30	3.85	0.975	0.0012	-2.5 to 2.5	Pass
		-20	3.85	1.157	0.0014	-2.5 to 2.5	Pass
		-10	3.85	1.084	0.0013	-2.5 to 2.5	Pass
		0	3.85	1.076	0.0013	-2.5 to 2.5	Pass
		10	3.85	1.367	0.0017	-2.5 to 2.5	Pass
		30	3.85	1.229	0.0015	-2.5 to 2.5	Pass
		40	3.85	1.105	0.0013	-2.5 to 2.5	Pass
		50	3.85	1.128	0.0014	-2.5 to 2.5	Pass
	836.6	20	3.27	-0.181	-0.0002	-2.5 to 2.5	Pass
			3.85	-0.115	-0.0001	-2.5 to 2.5	Pass
			4.43	-0.009	0.0000	-2.5 to 2.5	Pass
		-30	3.85	-0.179	-0.0002	-2.5 to 2.5	Pass
		-20	3.85	-0.001	0.0000	-2.5 to 2.5	Pass
		-10	3.85	0.141	0.0002	-2.5 to 2.5	Pass
		0	3.85	0.071	0.0001	-2.5 to 2.5	Pass
		10	3.85	-0.187	-0.0002	-2.5 to 2.5	Pass
		30	3.85	0.454	0.0005	-2.5 to 2.5	Pass
		40	3.85	-0.121	-0.0001	-2.5 to 2.5	Pass
		50	3.85	-0.118	-0.0001	-2.5 to 2.5	Pass
	846.6	20	3.27	-1.610	-0.0019	-2.5 to 2.5	Pass
			3.85	-1.441	-0.0017	-2.5 to 2.5	Pass
			4.43	-1.813	-0.0021	-2.5 to 2.5	Pass
		-30	3.85	-1.821	-0.0022	-2.5 to 2.5	Pass
		-20	3.85	-1.487	-0.0018	-2.5 to 2.5	Pass
		-10	3.85	-1.511	-0.0018	-2.5 to 2.5	Pass
		0	3.85	-1.559	-0.0018	-2.5 to 2.5	Pass
		10	3.85	-1.731	-0.0020	-2.5 to 2.5	Pass
		30	3.85	-1.557	-0.0018	-2.5 to 2.5	Pass
		40	3.85	-1.958	-0.0023	-2.5 to 2.5	Pass
		50	3.85	-1.618	-0.0019	-2.5 to 2.5	Pass
HSDPA	826.4	20	3.27	-0.428	-0.0005	-2.5 to 2.5	Pass
			3.85	-0.202	-0.0002	-2.5 to 2.5	Pass
			4.43	-0.152	-0.0002	-2.5 to 2.5	Pass
		-30	3.85	-0.570	-0.0007	-2.5 to 2.5	Pass
		-20	3.85	-0.005	0.0000	-2.5 to 2.5	Pass
		-10	3.85	-0.250	-0.0003	-2.5 to 2.5	Pass
		0	3.85	-0.154	-0.0002	-2.5 to 2.5	Pass
		10	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
		30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
		40	3.85	-0.384	-0.0005	-2.5 to 2.5	Pass
		50	3.85	-0.475	-0.0006	-2.5 to 2.5	Pass
	836.6	20	3.27	-0.872	-0.0010	-2.5 to 2.5	Pass
			3.85	-0.935	-0.0011	-2.5 to 2.5	Pass
			4.43	-0.547	-0.0007	-2.5 to 2.5	Pass
		-30	3.85	-0.954	-0.0011	-2.5 to 2.5	Pass
		-20	3.85	-0.750	-0.0009	-2.5 to 2.5	Pass
		-10	3.85	-0.968	-0.0012	-2.5 to 2.5	Pass
		0	3.85	-0.937	-0.0011	-2.5 to 2.5	Pass

		10	3.85	-0.908	-0.0011	-2.5 to 2.5	Pass
		30	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
		40	3.85	-0.803	-0.0010	-2.5 to 2.5	Pass
		50	3.85	-0.886	-0.0011	-2.5 to 2.5	Pass
	846.6	20	3.27	-1.874	-0.0022	-2.5 to 2.5	Pass
			3.85	-1.554	-0.0018	-2.5 to 2.5	Pass
			4.43	-1.933	-0.0023	-2.5 to 2.5	Pass
		-30	3.85	-1.552	-0.0018	-2.5 to 2.5	Pass
		-20	3.85	-1.421	-0.0017	-2.5 to 2.5	Pass
		-10	3.85	-1.607	-0.0019	-2.5 to 2.5	Pass
		0	3.85	-1.417	-0.0017	-2.5 to 2.5	Pass
		10	3.85	-1.861	-0.0022	-2.5 to 2.5	Pass
		30	3.85	-1.606	-0.0019	-2.5 to 2.5	Pass
		40	3.85	-1.492	-0.0018	-2.5 to 2.5	Pass
		50	3.85	-2.019	-0.0024	-2.5 to 2.5	Pass
HSUPA	826.4	20	3.27	1.696	0.0021	-2.5 to 2.5	Pass
			3.85	1.563	0.0019	-2.5 to 2.5	Pass
			4.43	1.536	0.0019	-2.5 to 2.5	Pass
		-30	3.85	1.601	0.0019	-2.5 to 2.5	Pass
		-20	3.85	1.830	0.0022	-2.5 to 2.5	Pass
		-10	3.85	1.584	0.0019	-2.5 to 2.5	Pass
		0	3.85	1.681	0.0020	-2.5 to 2.5	Pass
		10	3.85	2.012	0.0024	-2.5 to 2.5	Pass
		30	3.85	1.438	0.0017	-2.5 to 2.5	Pass
		40	3.85	1.922	0.0023	-2.5 to 2.5	Pass
		50	3.85	1.887	0.0023	-2.5 to 2.5	Pass
	836.6	20	3.27	0.068	0.0001	-2.5 to 2.5	Pass
			3.85	-0.213	-0.0003	-2.5 to 2.5	Pass
			4.43	-0.060	-0.0001	-2.5 to 2.5	Pass
		-30	3.85	0.060	0.0001	-2.5 to 2.5	Pass
		-20	3.85	0.288	0.0003	-2.5 to 2.5	Pass
		-10	3.85	-0.204	-0.0002	-2.5 to 2.5	Pass
		0	3.85	-0.273	-0.0003	-2.5 to 2.5	Pass
		10	3.85	0.073	0.0001	-2.5 to 2.5	Pass
		30	3.85	0.244	0.0003	-2.5 to 2.5	Pass
		40	3.85	-0.103	-0.0001	-2.5 to 2.5	Pass
		50	3.85	0.459	0.0005	-2.5 to 2.5	Pass
	846.6	20	3.27	-0.922	-0.0011	-2.5 to 2.5	Pass
			3.85	-1.760	-0.0021	-2.5 to 2.5	Pass
			4.43	-0.957	-0.0011	-2.5 to 2.5	Pass
		-30	3.85	-1.629	-0.0019	-2.5 to 2.5	Pass
		-20	3.85	-1.580	-0.0019	-2.5 to 2.5	Pass
		-10	3.85	-1.494	-0.0018	-2.5 to 2.5	Pass
		0	3.85	-1.401	-0.0017	-2.5 to 2.5	Pass
		10	3.85	-1.324	-0.0016	-2.5 to 2.5	Pass
		30	3.85	-1.547	-0.0018	-2.5 to 2.5	Pass
		40	3.85	-1.366	-0.0016	-2.5 to 2.5	Pass
		50	3.85	-1.771	-0.0021	-2.5 to 2.5	Pass