

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	3.4	-2.224	-0.0012	-2.5 to 2.5	Pass
			3.85	-2.267	-0.0012	-2.5 to 2.5	Pass
			4.40	-3.819	-0.0021	-2.5 to 2.5	Pass
		-30	3.85	-2.947	-0.0016	-2.5 to 2.5	Pass
		-20	3.85	-3.798	-0.0021	-2.5 to 2.5	Pass
		-10	3.85	5.608	0.0030	-2.5 to 2.5	Pass
		0	3.85	-5.608	-0.0030	-2.5 to 2.5	Pass
		10	3.85	7.317	0.0040	-2.5 to 2.5	Pass
		30	3.85	-2.103	-0.0011	-2.5 to 2.5	Pass
		40	3.85	0.651	0.0004	-2.5 to 2.5	Pass
		50	3.85	-7.017	-0.0038	-2.5 to 2.5	Pass
	1880	20	3.4	2.196	0.0012	-2.5 to 2.5	Pass
			3.85	1.624	0.0009	-2.5 to 2.5	Pass
			4.40	1.853	0.0010	-2.5 to 2.5	Pass
		-30	3.85	1.502	0.0008	-2.5 to 2.5	Pass
		-20	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
		-10	3.85	-8.090	-0.0043	-2.5 to 2.5	Pass
		0	3.85	-6.630	-0.0035	-2.5 to 2.5	Pass
		10	3.85	5.665	0.0030	-2.5 to 2.5	Pass
		30	3.85	3.533	0.0019	-2.5 to 2.5	Pass
		40	3.85	6.788	0.0036	-2.5 to 2.5	Pass
		50	3.85	1.323	0.0007	-2.5 to 2.5	Pass
	1907.6	20	3.4	3.340	0.0018	-2.5 to 2.5	Pass
			3.85	3.426	0.0018	-2.5 to 2.5	Pass
			4.40	1.473	0.0008	-2.5 to 2.5	Pass
		-30	3.85	-7.682	-0.0040	-2.5 to 2.5	Pass
		-20	3.85	1.867	0.0010	-2.5 to 2.5	Pass
		-10	3.85	-1.702	-0.0009	-2.5 to 2.5	Pass
		0	3.85	-2.418	-0.0013	-2.5 to 2.5	Pass
		10	3.85	-1.216	-0.0006	-2.5 to 2.5	Pass
		30	3.85	-9.184	-0.0048	-2.5 to 2.5	Pass
		40	3.85	4.871	0.0026	-2.5 to 2.5	Pass
		50	3.85	4.377	0.0023	-2.5 to 2.5	Pass
HSDPA	1852.4	20	3.4	8.898	0.0048	-2.5 to 2.5	Pass
			3.85	8.032	0.0043	-2.5 to 2.5	Pass
			4.40	9.670	0.0052	-2.5 to 2.5	Pass
		-30	3.85	12.839	0.0069	-2.5 to 2.5	Pass
		-20	3.85	4.327	0.0023	-2.5 to 2.5	Pass
		-10	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
		0	3.85	1.137	0.0006	-2.5 to 2.5	Pass
		10	3.85	2.418	0.0013	-2.5 to 2.5	Pass
		30	3.85	3.562	0.0019	-2.5 to 2.5	Pass
		40	3.85	11.072	0.0060	-2.5 to 2.5	Pass
		50	3.85	16.208	0.0087	-2.5 to 2.5	Pass
	1880	20	3.4	4.692	0.0025	-2.5 to 2.5	Pass
			3.85	16.787	0.0089	-2.5 to 2.5	Pass
			4.40	13.976	0.0074	-2.5 to 2.5	Pass
		-30	3.85	11.079	0.0059	-2.5 to 2.5	Pass
		-20	3.85	10.386	0.0055	-2.5 to 2.5	Pass

		-10	3.85	6.974	0.0037	-2.5 to 2.5	Pass
		0	3.85	6.115	0.0033	-2.5 to 2.5	Pass
		10	3.85	5.629	0.0030	-2.5 to 2.5	Pass
		30	3.85	9.642	0.0051	-2.5 to 2.5	Pass
		40	3.85	7.324	0.0039	-2.5 to 2.5	Pass
		50	3.85	7.024	0.0037	-2.5 to 2.5	Pass
	1907.6	20	3.4	6.838	0.0036	-2.5 to 2.5	Pass
			3.85	-1.452	-0.0008	-2.5 to 2.5	Pass
			4.40	9.592	0.0050	-2.5 to 2.5	Pass
		-30	3.85	-3.970	-0.0021	-2.5 to 2.5	Pass
		-20	3.85	8.075	0.0042	-2.5 to 2.5	Pass
		-10	3.85	9.749	0.0051	-2.5 to 2.5	Pass
		0	3.85	2.561	0.0013	-2.5 to 2.5	Pass
		10	3.85	1.817	0.0010	-2.5 to 2.5	Pass
		30	3.85	3.362	0.0018	-2.5 to 2.5	Pass
		40	3.85	9.542	0.0050	-2.5 to 2.5	Pass
		50	3.85	2.925	0.0015	-2.5 to 2.5	Pass
HSUPA	1852.4	20	3.4	-7.410	-0.0040	-2.5 to 2.5	Pass
			3.85	-5.536	-0.0030	-2.5 to 2.5	Pass
			4.40	-13.669	-0.0074	-2.5 to 2.5	Pass
		-30	3.85	-11.072	-0.0060	-2.5 to 2.5	Pass
		-20	3.85	-9.813	-0.0053	-2.5 to 2.5	Pass
		-10	3.85	-9.191	-0.0050	-2.5 to 2.5	Pass
		0	3.85	-9.091	-0.0049	-2.5 to 2.5	Pass
		10	3.85	-8.605	-0.0046	-2.5 to 2.5	Pass
		30	3.85	-7.131	-0.0038	-2.5 to 2.5	Pass
		40	3.85	-6.659	-0.0036	-2.5 to 2.5	Pass
		50	3.85	-1.566	-0.0008	-2.5 to 2.5	Pass
	1880	20	3.4	-11.344	-0.0060	-2.5 to 2.5	Pass
			3.85	-8.848	-0.0047	-2.5 to 2.5	Pass
			4.40	-3.791	-0.0020	-2.5 to 2.5	Pass
		-30	3.85	-15.578	-0.0083	-2.5 to 2.5	Pass
		-20	3.85	-6.223	-0.0033	-2.5 to 2.5	Pass
		-10	3.85	-12.510	-0.0067	-2.5 to 2.5	Pass
		0	3.85	-12.152	-0.0065	-2.5 to 2.5	Pass
		10	3.85	-8.111	-0.0043	-2.5 to 2.5	Pass
		30	3.85	-8.190	-0.0044	-2.5 to 2.5	Pass
		40	3.85	-11.995	-0.0064	-2.5 to 2.5	Pass
		50	3.85	-5.794	-0.0031	-2.5 to 2.5	Pass
	1907.6	20	3.4	-8.268	-0.0043	-2.5 to 2.5	Pass
			3.85	-10.028	-0.0053	-2.5 to 2.5	Pass
			4.40	-7.231	-0.0038	-2.5 to 2.5	Pass
		-30	3.85	-11.487	-0.0060	-2.5 to 2.5	Pass
		-20	3.85	1.287	0.0007	-2.5 to 2.5	Pass
		-10	3.85	-9.592	-0.0050	-2.5 to 2.5	Pass
		0	3.85	-13.382	-0.0070	-2.5 to 2.5	Pass
		10	3.85	-9.842	-0.0052	-2.5 to 2.5	Pass
		30	3.85	-12.789	-0.0067	-2.5 to 2.5	Pass
		40	3.85	-7.939	-0.0042	-2.5 to 2.5	Pass
		50	3.85	-16.351	-0.0086	-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	3.4	-4.163	-0.0024	-2.5 to 2.5	Pass
			3.85	0.737	0.0004	-2.5 to 2.5	Pass
			4.40	4.342	0.0025	-2.5 to 2.5	Pass
		-30	3.85	0.780	0.0005	-2.5 to 2.5	Pass
		-20	3.85	-2.754	-0.0016	-2.5 to 2.5	Pass
		-10	3.85	-4.170	-0.0024	-2.5 to 2.5	Pass
		0	3.85	-5.357	-0.0031	-2.5 to 2.5	Pass
		10	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
		30	3.85	-1.352	-0.0008	-2.5 to 2.5	Pass
		40	3.85	5.636	0.0033	-2.5 to 2.5	Pass
		50	3.85	7.997	0.0047	-2.5 to 2.5	Pass
	1732.6	20	3.4	-1.695	-0.0010	-2.5 to 2.5	Pass
			3.85	2.775	0.0016	-2.5 to 2.5	Pass
			4.40	1.631	0.0009	-2.5 to 2.5	Pass
		-30	3.85	1.724	0.0010	-2.5 to 2.5	Pass
		-20	3.85	-1.166	-0.0007	-2.5 to 2.5	Pass
		-10	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
		0	3.85	-2.081	-0.0012	-2.5 to 2.5	Pass
		10	3.85	-2.754	-0.0016	-2.5 to 2.5	Pass
		30	3.85	-8.218	-0.0047	-2.5 to 2.5	Pass
		40	3.85	-6.416	-0.0037	-2.5 to 2.5	Pass
		50	3.85	1.352	0.0008	-2.5 to 2.5	Pass
	1752.6	20	3.4	-4.106	-0.0023	-2.5 to 2.5	Pass
			3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
			4.40	-1.359	-0.0008	-2.5 to 2.5	Pass
		-30	3.85	2.503	0.0014	-2.5 to 2.5	Pass
		-20	3.85	5.250	0.0030	-2.5 to 2.5	Pass
		-10	3.85	4.199	0.0024	-2.5 to 2.5	Pass
		0	3.85	9.756	0.0056	-2.5 to 2.5	Pass
		10	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
		30	3.85	-8.268	-0.0047	-2.5 to 2.5	Pass
		40	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
		50	3.85	-2.582	-0.0015	-2.5 to 2.5	Pass
HSDPA	1712.4	20	3.4	-0.257	-0.0002	-2.5 to 2.5	Pass
			3.85	3.040	0.0018	-2.5 to 2.5	Pass
			4.40	-1.409	-0.0008	-2.5 to 2.5	Pass
		-30	3.85	2.625	0.0015	-2.5 to 2.5	Pass
		-20	3.85	-1.681	-0.0010	-2.5 to 2.5	Pass
		-10	3.85	-0.565	-0.0003	-2.5 to 2.5	Pass
		0	3.85	8.991	0.0053	-2.5 to 2.5	Pass
		10	3.85	12.252	0.0072	-2.5 to 2.5	Pass
		30	3.85	9.670	0.0056	-2.5 to 2.5	Pass
		40	3.85	8.547	0.0050	-2.5 to 2.5	Pass
		50	3.85	6.416	0.0037	-2.5 to 2.5	Pass
	1732.6	20	3.4	5.944	0.0034	-2.5 to 2.5	Pass
			3.85	2.789	0.0016	-2.5 to 2.5	Pass
			4.40	-1.273	-0.0007	-2.5 to 2.5	Pass

		-30	3.85	3.083	0.0018	-2.5 to 2.5	Pass
		-20	3.85	8.705	0.0050	-2.5 to 2.5	Pass
		-10	3.85	5.736	0.0033	-2.5 to 2.5	Pass
		0	3.85	8.054	0.0046	-2.5 to 2.5	Pass
		10	3.85	10.092	0.0058	-2.5 to 2.5	Pass
		30	3.85	12.546	0.0072	-2.5 to 2.5	Pass
		40	3.85	12.317	0.0071	-2.5 to 2.5	Pass
		50	3.85	9.377	0.0054	-2.5 to 2.5	Pass
	1752.6	20	3.4	0.994	0.0006	-2.5 to 2.5	Pass
			3.85	6.301	0.0036	-2.5 to 2.5	Pass
			4.40	2.310	0.0013	-2.5 to 2.5	Pass
		-30	3.85	6.874	0.0039	-2.5 to 2.5	Pass
		-20	3.85	6.866	0.0039	-2.5 to 2.5	Pass
		-10	3.85	3.526	0.0020	-2.5 to 2.5	Pass
		0	3.85	9.205	0.0053	-2.5 to 2.5	Pass
		10	3.85	10.571	0.0060	-2.5 to 2.5	Pass
		30	3.85	12.703	0.0072	-2.5 to 2.5	Pass
		40	3.85	9.656	0.0055	-2.5 to 2.5	Pass
		50	3.85	9.606	0.0055	-2.5 to 2.5	Pass
HSUPA	1712.4	20	3.4	-9.520	-0.0056	-2.5 to 2.5	Pass
			3.85	-9.713	-0.0057	-2.5 to 2.5	Pass
			4.40	-12.453	-0.0073	-2.5 to 2.5	Pass
		-30	3.85	-1.581	-0.0009	-2.5 to 2.5	Pass
		-20	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
		-10	3.85	7.553	0.0044	-2.5 to 2.5	Pass
		0	3.85	-3.741	-0.0022	-2.5 to 2.5	Pass
		10	3.85	-0.980	-0.0006	-2.5 to 2.5	Pass
		30	3.85	1.674	0.0010	-2.5 to 2.5	Pass
		40	3.85	3.791	0.0022	-2.5 to 2.5	Pass
		50	3.85	5.357	0.0031	-2.5 to 2.5	Pass
	1732.6	20	3.4	-10.571	-0.0061	-2.5 to 2.5	Pass
			3.85	-8.032	-0.0046	-2.5 to 2.5	Pass
			4.40	-3.905	-0.0023	-2.5 to 2.5	Pass
		-30	3.85	2.375	0.0014	-2.5 to 2.5	Pass
		-20	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
		-10	3.85	7.989	0.0046	-2.5 to 2.5	Pass
		0	3.85	5.100	0.0029	-2.5 to 2.5	Pass
		10	3.85	-1.652	-0.0010	-2.5 to 2.5	Pass
		30	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
		40	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
		50	3.85	0.429	0.0002	-2.5 to 2.5	Pass
	1752.6	20	3.4	-2.525	-0.0014	-2.5 to 2.5	Pass
			3.85	-12.009	-0.0069	-2.5 to 2.5	Pass
			4.40	-7.789	-0.0044	-2.5 to 2.5	Pass
		-30	3.85	-9.120	-0.0052	-2.5 to 2.5	Pass
		-20	3.85	-13.311	-0.0076	-2.5 to 2.5	Pass
		-10	3.85	-12.231	-0.0070	-2.5 to 2.5	Pass
		0	3.85	-10.986	-0.0063	-2.5 to 2.5	Pass
		10	3.85	-2.697	-0.0015	-2.5 to 2.5	Pass
		30	3.85	-11.508	-0.0066	-2.5 to 2.5	Pass
		40	3.85	-5.636	-0.0032	-2.5 to 2.5	Pass
		50	3.85	-6.351	-0.0036	-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	3.4	0.222	0.0003	-2.5 to 2.5	Pass
			3.85	0.014	0.0000	-2.5 to 2.5	Pass
			4.40	1.223	0.0015	-2.5 to 2.5	Pass
		-30	3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
		-20	3.85	-1.366	-0.0017	-2.5 to 2.5	Pass
		-10	3.85	-1.473	-0.0018	-2.5 to 2.5	Pass
		0	3.85	-0.436	-0.0005	-2.5 to 2.5	Pass
		10	3.85	0.844	0.0010	-2.5 to 2.5	Pass
		30	3.85	1.051	0.0013	-2.5 to 2.5	Pass
		40	3.85	-0.322	-0.0004	-2.5 to 2.5	Pass
		50	3.85	1.402	0.0017	-2.5 to 2.5	Pass
	836.6	20	3.4	0.494	0.0006	-2.5 to 2.5	Pass
			3.85	1.531	0.0018	-2.5 to 2.5	Pass
			4.40	0.608	0.0007	-2.5 to 2.5	Pass
		-30	3.85	1.473	0.0018	-2.5 to 2.5	Pass
		-20	3.85	0.780	0.0009	-2.5 to 2.5	Pass
		-10	3.85	-0.365	-0.0004	-2.5 to 2.5	Pass
		0	3.85	-0.050	-0.0001	-2.5 to 2.5	Pass
		10	3.85	0.801	0.0010	-2.5 to 2.5	Pass
		30	3.85	0.708	0.0008	-2.5 to 2.5	Pass
		40	3.85	1.044	0.0012	-2.5 to 2.5	Pass
		50	3.85	1.152	0.0014	-2.5 to 2.5	Pass
	846.6	20	3.4	0.129	0.0002	-2.5 to 2.5	Pass
			3.85	0.064	0.0001	-2.5 to 2.5	Pass
			4.40	-0.536	-0.0006	-2.5 to 2.5	Pass
		-30	3.85	0.451	0.0005	-2.5 to 2.5	Pass
		-20	3.85	0.257	0.0003	-2.5 to 2.5	Pass
		-10	3.85	1.595	0.0019	-2.5 to 2.5	Pass
		0	3.85	0.544	0.0006	-2.5 to 2.5	Pass
		10	3.85	1.159	0.0014	-2.5 to 2.5	Pass
		30	3.85	-0.994	-0.0012	-2.5 to 2.5	Pass
		40	3.85	2.074	0.0024	-2.5 to 2.5	Pass
		50	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
HSDPA	826.4	20	3.4	4.292	0.0052	-2.5 to 2.5	Pass
			3.85	3.691	0.0045	-2.5 to 2.5	Pass
			4.40	1.616	0.0020	-2.5 to 2.5	Pass
		-30	3.85	4.120	0.0050	-2.5 to 2.5	Pass
		-20	3.85	3.219	0.0039	-2.5 to 2.5	Pass
		-10	3.85	3.126	0.0038	-2.5 to 2.5	Pass
		0	3.85	2.568	0.0031	-2.5 to 2.5	Pass
		10	3.85	3.176	0.0038	-2.5 to 2.5	Pass
		30	3.85	2.732	0.0033	-2.5 to 2.5	Pass
		40	3.85	3.304	0.0040	-2.5 to 2.5	Pass
		50	3.85	2.847	0.0034	-2.5 to 2.5	Pass
	836.6	20	3.4	0.951	0.0011	-2.5 to 2.5	Pass
			3.85	3.719	0.0044	-2.5 to 2.5	Pass
			4.40	3.283	0.0039	-2.5 to 2.5	Pass

		-30	3.85	3.176	0.0038	-2.5 to 2.5	Pass
		-20	3.85	3.004	0.0036	-2.5 to 2.5	Pass
		-10	3.85	2.747	0.0033	-2.5 to 2.5	Pass
		0	3.85	2.546	0.0030	-2.5 to 2.5	Pass
		10	3.85	3.777	0.0045	-2.5 to 2.5	Pass
		30	3.85	4.756	0.0057	-2.5 to 2.5	Pass
		40	3.85	3.669	0.0044	-2.5 to 2.5	Pass
		50	3.85	3.784	0.0045	-2.5 to 2.5	Pass
	846.6	20	3.4	3.598	0.0042	-2.5 to 2.5	Pass
			3.85	0.651	0.0008	-2.5 to 2.5	Pass
			4.40	1.259	0.0015	-2.5 to 2.5	Pass
		-30	3.85	1.838	0.0022	-2.5 to 2.5	Pass
		-20	3.85	1.259	0.0015	-2.5 to 2.5	Pass
		-10	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
		0	3.85	1.788	0.0021	-2.5 to 2.5	Pass
		10	3.85	2.789	0.0033	-2.5 to 2.5	Pass
		30	3.85	2.725	0.0032	-2.5 to 2.5	Pass
		40	3.85	0.901	0.0011	-2.5 to 2.5	Pass
		50	3.85	-0.122	-0.0001	-2.5 to 2.5	Pass
HSUPA	826.4	20	3.4	-0.172	-0.0002	-2.5 to 2.5	Pass
			3.85	-4.056	-0.0049	-2.5 to 2.5	Pass
			4.40	-1.001	-0.0012	-2.5 to 2.5	Pass
		-30	3.85	-0.465	-0.0006	-2.5 to 2.5	Pass
		-20	3.85	-3.111	-0.0038	-2.5 to 2.5	Pass
		-10	3.85	-3.812	-0.0046	-2.5 to 2.5	Pass
		0	3.85	-5.865	-0.0071	-2.5 to 2.5	Pass
		10	3.85	-1.667	-0.0020	-2.5 to 2.5	Pass
		30	3.85	-4.771	-0.0058	-2.5 to 2.5	Pass
		40	3.85	-5.307	-0.0064	-2.5 to 2.5	Pass
		50	3.85	-3.626	-0.0044	-2.5 to 2.5	Pass
	836.6	20	3.4	1.001	0.0012	-2.5 to 2.5	Pass
			3.85	-2.439	-0.0029	-2.5 to 2.5	Pass
			4.40	-0.923	-0.0011	-2.5 to 2.5	Pass
		-30	3.85	-1.481	-0.0018	-2.5 to 2.5	Pass
		-20	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
		-10	3.85	0.815	0.0010	-2.5 to 2.5	Pass
		0	3.85	-0.522	-0.0006	-2.5 to 2.5	Pass
		10	3.85	-1.767	-0.0021	-2.5 to 2.5	Pass
		30	3.85	-0.107	-0.0001	-2.5 to 2.5	Pass
		40	3.85	-3.605	-0.0043	-2.5 to 2.5	Pass
		50	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
	846.6	20	3.4	-1.581	-0.0019	-2.5 to 2.5	Pass
			3.85	-0.923	-0.0011	-2.5 to 2.5	Pass
			4.40	-1.910	-0.0023	-2.5 to 2.5	Pass
		-30	3.85	-0.279	-0.0003	-2.5 to 2.5	Pass
		-20	3.85	-0.801	-0.0009	-2.5 to 2.5	Pass
		-10	3.85	-1.295	-0.0015	-2.5 to 2.5	Pass
		0	3.85	0.322	0.0004	-2.5 to 2.5	Pass
		10	3.85	0.887	0.0010	-2.5 to 2.5	Pass
		30	3.85	0.029	0.0000	-2.5 to 2.5	Pass
		40	3.85	-2.131	-0.0025	-2.5 to 2.5	Pass
		50	3.85	-3.712	-0.0044	-2.5 to 2.5	Pass