

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	1.753	0.0009	-2.5 to 2.5	Pass
			3.85	-5.270	-0.0028	-2.5 to 2.5	Pass
			4.43	-0.804	-0.0004	-2.5 to 2.5	Pass
		-30	3.85	2.918	0.0016	-2.5 to 2.5	Pass
		-20	3.85	-0.396	-0.0002	-2.5 to 2.5	Pass
		-10	3.85	0.520	0.0003	-2.5 to 2.5	Pass
		0	3.85	1.494	0.0008	-2.5 to 2.5	Pass
		10	3.85	1.444	0.0008	-2.5 to 2.5	Pass
		30	3.85	-5.670	-0.0031	-2.5 to 2.5	Pass
		40	3.85	-6.821	-0.0037	-2.5 to 2.5	Pass
	50	3.85	8.619	0.0047	-2.5 to 2.5	Pass	
	1880	20	3.27	3.467	0.0018	-2.5 to 2.5	Pass
			3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
			4.43	-0.320	-0.0002	-2.5 to 2.5	Pass
		-30	3.85	-1.213	-0.0006	-2.5 to 2.5	Pass
		-20	3.85	2.178	0.0012	-2.5 to 2.5	Pass
		-10	3.85	1.129	0.0006	-2.5 to 2.5	Pass
		0	3.85	1.571	0.0008	-2.5 to 2.5	Pass
		10	3.85	-0.316	-0.0002	-2.5 to 2.5	Pass
		30	3.85	-9.058	-0.0048	-2.5 to 2.5	Pass
		40	3.85	-10.110	-0.0054	-2.5 to 2.5	Pass
	50	3.85	-6.273	-0.0033	-2.5 to 2.5	Pass	
	1907.6	20	3.27	-5.288	-0.0028	-2.5 to 2.5	Pass
			3.85	3.782	0.0020	-2.5 to 2.5	Pass
			4.43	4.509	0.0024	-2.5 to 2.5	Pass
		-30	3.85	3.889	0.0020	-2.5 to 2.5	Pass
		-20	3.85	-6.224	-0.0033	-2.5 to 2.5	Pass
		-10	3.85	-4.851	-0.0025	-2.5 to 2.5	Pass
		0	3.85	7.528	0.0039	-2.5 to 2.5	Pass
		10	3.85	7.955	0.0042	-2.5 to 2.5	Pass
30		3.85	-4.598	-0.0024	-2.5 to 2.5	Pass	
40		3.85	-3.378	-0.0018	-2.5 to 2.5	Pass	
50	3.85	-3.340	-0.0018	-2.5 to 2.5	Pass		
HSDPA	1852.4	20	3.27	11.854	0.0064	-2.5 to 2.5	Pass
			3.85	12.491	0.0067	-2.5 to 2.5	Pass
			4.43	12.015	0.0065	-2.5 to 2.5	Pass
		-30	3.85	5.237	0.0028	-2.5 to 2.5	Pass
		-20	3.85	0.138	0.0001	-2.5 to 2.5	Pass
		-10	3.85	-1.057	-0.0006	-2.5 to 2.5	Pass
		0	3.85	-0.538	-0.0003	-2.5 to 2.5	Pass
		10	3.85	-0.228	-0.0001	-2.5 to 2.5	Pass
		30	3.85	1.169	0.0006	-2.5 to 2.5	Pass
		40	3.85	2.130	0.0011	-2.5 to 2.5	Pass
	50	3.85	3.755	0.0020	-2.5 to 2.5	Pass	
	1880	20	3.27	1.859	0.0010	-2.5 to 2.5	Pass
			3.85	2.712	0.0014	-2.5 to 2.5	Pass

			4.43	4.341	0.0023	-2.5 to 2.5	Pass	
		-30	3.85	2.687	0.0014	-2.5 to 2.5	Pass	
		-20	3.85	3.081	0.0016	-2.5 to 2.5	Pass	
		-10	3.85	1.896	0.0010	-2.5 to 2.5	Pass	
		0	3.85	2.549	0.0014	-2.5 to 2.5	Pass	
		10	3.85	1.717	0.0009	-2.5 to 2.5	Pass	
		30	3.85	2.502	0.0013	-2.5 to 2.5	Pass	
		40	3.85	2.140	0.0011	-2.5 to 2.5	Pass	
		50	3.85	0.024	0.0000	-2.5 to 2.5	Pass	
	1907.6	20		3.27	0.025	0.0000	-2.5 to 2.5	Pass
				3.85	1.461	0.0008	-2.5 to 2.5	Pass
				4.43	0.083	0.0000	-2.5 to 2.5	Pass
		-30	3.85	-0.141	-0.0001	-2.5 to 2.5	Pass	
		-20	3.85	-0.246	-0.0001	-2.5 to 2.5	Pass	
		-10	3.85	3.889	0.0020	-2.5 to 2.5	Pass	
		0	3.85	12.743	0.0067	-2.5 to 2.5	Pass	
		10	3.85	2.814	0.0015	-2.5 to 2.5	Pass	
		30	3.85	1.967	0.0010	-2.5 to 2.5	Pass	
40	3.85	4.761	0.0025	-2.5 to 2.5	Pass			
50	3.85	3.336	0.0017	-2.5 to 2.5	Pass			
HSUPA	1852.4	20		3.27	-2.706	-0.0015	-2.5 to 2.5	Pass
				3.85	4.990	0.0027	-2.5 to 2.5	Pass
				4.43	-4.388	-0.0024	-2.5 to 2.5	Pass
		-30	3.85	4.144	0.0022	-2.5 to 2.5	Pass	
		-20	3.85	-17.142	-0.0093	-2.5 to 2.5	Pass	
		-10	3.85	-11.966	-0.0065	-2.5 to 2.5	Pass	
		0	3.85	-22.117	-0.0119	-2.5 to 2.5	Pass	
		10	3.85	-16.098	-0.0087	-2.5 to 2.5	Pass	
		30	3.85	-20.571	-0.0111	-2.5 to 2.5	Pass	
		40	3.85	-6.163	-0.0033	-2.5 to 2.5	Pass	
		50	3.85	-5.357	-0.0029	-2.5 to 2.5	Pass	
		1880	20		3.27	-4.080	-0.0022	-2.5 to 2.5
				3.85	1.736	0.0009	-2.5 to 2.5	Pass
				4.43	-8.021	-0.0043	-2.5 to 2.5	Pass
	-30		3.85	-9.825	-0.0052	-2.5 to 2.5	Pass	
	-20		3.85	-10.783	-0.0057	-2.5 to 2.5	Pass	
	-10		3.85	-11.680	-0.0062	-2.5 to 2.5	Pass	
	0		3.85	-21.061	-0.0112	-2.5 to 2.5	Pass	
	10		3.85	-15.117	-0.0080	-2.5 to 2.5	Pass	
	30		3.85	-21.734	-0.0116	-2.5 to 2.5	Pass	
	40		3.85	-16.217	-0.0086	-2.5 to 2.5	Pass	
	50		3.85	-12.958	-0.0069	-2.5 to 2.5	Pass	
	1907.6		20		3.27	-6.574	-0.0034	-2.5 to 2.5
				3.85	-3.205	-0.0017	-2.5 to 2.5	Pass
				4.43	-18.278	-0.0096	-2.5 to 2.5	Pass
		-30	3.85	-2.410	-0.0013	-2.5 to 2.5	Pass	
		-20	3.85	-15.679	-0.0082	-2.5 to 2.5	Pass	
		-10	3.85	2.266	0.0012	-2.5 to 2.5	Pass	
		0	3.85	-10.146	-0.0053	-2.5 to 2.5	Pass	
		10	3.85	-5.563	-0.0029	-2.5 to 2.5	Pass	
		30	3.85	-1.058	-0.0006	-2.5 to 2.5	Pass	
		40	3.85	6.562	0.0034	-2.5 to 2.5	Pass	
		50	3.85	-4.328	-0.0023	-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	-0.152	-0.0001	-2.5 to 2.5	Pass
			3.85	4.311	0.0025	-2.5 to 2.5	Pass
			4.43	4.552	0.0027	-2.5 to 2.5	Pass
		-30	3.85	6.415	0.0037	-2.5 to 2.5	Pass
		-20	3.85	0.640	0.0004	-2.5 to 2.5	Pass
		-10	3.85	3.043	0.0018	-2.5 to 2.5	Pass
		0	3.85	5.189	0.0030	-2.5 to 2.5	Pass
		10	3.85	5.148	0.0030	-2.5 to 2.5	Pass
		30	3.85	-0.926	-0.0005	-2.5 to 2.5	Pass
	40	3.85	-0.396	-0.0002	-2.5 to 2.5	Pass	
	50	3.85	1.625	0.0009	-2.5 to 2.5	Pass	
	1732.6	20	3.27	-2.876	-0.0017	-2.5 to 2.5	Pass
			3.85	-5.491	-0.0032	-2.5 to 2.5	Pass
			4.43	-4.815	-0.0028	-2.5 to 2.5	Pass
		-30	3.85	7.360	0.0042	-2.5 to 2.5	Pass
		-20	3.85	2.518	0.0015	-2.5 to 2.5	Pass
		-10	3.85	2.204	0.0013	-2.5 to 2.5	Pass
		0	3.85	3.723	0.0021	-2.5 to 2.5	Pass
		10	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
		30	3.85	2.353	0.0014	-2.5 to 2.5	Pass
	40	3.85	-0.883	-0.0005	-2.5 to 2.5	Pass	
	50	3.85	2.176	0.0013	-2.5 to 2.5	Pass	
	1752.6	20	3.27	1.754	0.0010	-2.5 to 2.5	Pass
			3.85	2.847	0.0016	-2.5 to 2.5	Pass
			4.43	1.290	0.0007	-2.5 to 2.5	Pass
		-30	3.85	-3.167	-0.0018	-2.5 to 2.5	Pass
		-20	3.85	-2.599	-0.0015	-2.5 to 2.5	Pass
		-10	3.85	5.883	0.0034	-2.5 to 2.5	Pass
		0	3.85	1.537	0.0009	-2.5 to 2.5	Pass
		10	3.85	-0.144	-0.0001	-2.5 to 2.5	Pass
30		3.85	3.824	0.0022	-2.5 to 2.5	Pass	
40	3.85	6.412	0.0037	-2.5 to 2.5	Pass		
50	3.85	4.794	0.0027	-2.5 to 2.5	Pass		
HSDPA	1712.4	20	3.27	-0.641	-0.0004	-2.5 to 2.5	Pass
			3.85	-2.597	-0.0015	-2.5 to 2.5	Pass
			4.43	1.155	0.0007	-2.5 to 2.5	Pass
		-30	3.85	-0.978	-0.0006	-2.5 to 2.5	Pass
		-20	3.85	3.820	0.0022	-2.5 to 2.5	Pass
		-10	3.85	4.145	0.0024	-2.5 to 2.5	Pass
		0	3.85	3.605	0.0021	-2.5 to 2.5	Pass
		10	3.85	3.281	0.0019	-2.5 to 2.5	Pass
		30	3.85	1.463	0.0009	-2.5 to 2.5	Pass
	40	3.85	-2.872	-0.0017	-2.5 to 2.5	Pass	
	50	3.85	-0.369	-0.0002	-2.5 to 2.5	Pass	
	1732.6	20	3.27	5.226	0.0030	-2.5 to 2.5	Pass
			3.85	6.939	0.0040	-2.5 to 2.5	Pass
			4.43	9.083	0.0052	-2.5 to 2.5	Pass
		-30	3.85	3.086	0.0018	-2.5 to 2.5	Pass
-20		3.85	2.223	0.0013	-2.5 to 2.5	Pass	

		-10	3.85	4.032	0.0023	-2.5 to 2.5	Pass
		0	3.85	6.587	0.0038	-2.5 to 2.5	Pass
		10	3.85	3.597	0.0021	-2.5 to 2.5	Pass
		30	3.85	2.738	0.0016	-2.5 to 2.5	Pass
		40	3.85	1.135	0.0007	-2.5 to 2.5	Pass
	50	3.85	4.066	0.0023	-2.5 to 2.5	Pass	
	1752.6	20	3.27	14.284	0.0082	-2.5 to 2.5	Pass
			3.85	13.139	0.0075	-2.5 to 2.5	Pass
			4.43	16.309	0.0093	-2.5 to 2.5	Pass
		-30	3.85	13.581	0.0077	-2.5 to 2.5	Pass
		-20	3.85	10.998	0.0063	-2.5 to 2.5	Pass
		-10	3.85	-0.971	-0.0006	-2.5 to 2.5	Pass
		0	3.85	-4.908	-0.0028	-2.5 to 2.5	Pass
		10	3.85	-1.343	-0.0008	-2.5 to 2.5	Pass
		30	3.85	1.376	0.0008	-2.5 to 2.5	Pass
40		3.85	4.017	0.0023	-2.5 to 2.5	Pass	
50	3.85	-0.150	-0.0001	-2.5 to 2.5	Pass		
HSUPA	1712.4	20	3.27	-13.777	-0.0080	-2.5 to 2.5	Pass
			3.85	-21.599	-0.0126	-2.5 to 2.5	Pass
			4.43	-3.366	-0.0020	-2.5 to 2.5	Pass
		-30	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
		-20	3.85	-8.131	-0.0047	-2.5 to 2.5	Pass
		-10	3.85	-4.870	-0.0028	-2.5 to 2.5	Pass
		0	3.85	-7.841	-0.0046	-2.5 to 2.5	Pass
		10	3.85	-6.057	-0.0035	-2.5 to 2.5	Pass
		30	3.85	-8.073	-0.0047	-2.5 to 2.5	Pass
		40	3.85	-11.839	-0.0069	-2.5 to 2.5	Pass
	50	3.85	-6.617	-0.0039	-2.5 to 2.5	Pass	
	1732.6	20	3.27	-3.760	-0.0022	-2.5 to 2.5	Pass
			3.85	0.470	0.0003	-2.5 to 2.5	Pass
			4.43	-1.461	-0.0008	-2.5 to 2.5	Pass
		-30	3.85	-15.180	-0.0088	-2.5 to 2.5	Pass
-20		3.85	-3.051	-0.0018	-2.5 to 2.5	Pass	
-10		3.85	-5.986	-0.0035	-2.5 to 2.5	Pass	
0		3.85	-7.753	-0.0045	-2.5 to 2.5	Pass	
10		3.85	1.396	0.0008	-2.5 to 2.5	Pass	
30	3.85	-2.505	-0.0014	-2.5 to 2.5	Pass		
40	3.85	2.542	0.0015	-2.5 to 2.5	Pass		
50	3.85	0.399	0.0002	-2.5 to 2.5	Pass		
1752.6	20	3.27	2.056	0.0012	-2.5 to 2.5	Pass	
		3.85	4.711	0.0027	-2.5 to 2.5	Pass	
		4.43	-5.235	-0.0030	-2.5 to 2.5	Pass	
	-30	3.85	6.746	0.0038	-2.5 to 2.5	Pass	
	-20	3.85	-7.520	-0.0043	-2.5 to 2.5	Pass	
	-10	3.85	-9.658	-0.0055	-2.5 to 2.5	Pass	
	0	3.85	-8.957	-0.0051	-2.5 to 2.5	Pass	
	10	3.85	-13.214	-0.0075	-2.5 to 2.5	Pass	
	30	3.85	-4.597	-0.0026	-2.5 to 2.5	Pass	
	40	3.85	0.992	0.0006	-2.5 to 2.5	Pass	
50	3.85	-0.892	-0.0005	-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	0.234	0.0003	-2.5 to 2.5	Pass
			3.85	1.090	0.0013	-2.5 to 2.5	Pass
			4.43	0.240	0.0003	-2.5 to 2.5	Pass
		-30	3.85	0.115	0.0001	-2.5 to 2.5	Pass
		-20	3.85	-1.385	-0.0017	-2.5 to 2.5	Pass
		-10	3.85	-1.733	-0.0021	-2.5 to 2.5	Pass
		0	3.85	0.098	0.0001	-2.5 to 2.5	Pass
		10	3.85	-0.325	-0.0004	-2.5 to 2.5	Pass
		30	3.85	-1.459	-0.0018	-2.5 to 2.5	Pass
	40	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass	
	50	3.85	0.300	0.0004	-2.5 to 2.5	Pass	
	836.6	20	3.27	-0.304	-0.0004	-2.5 to 2.5	Pass
			3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
			4.43	-0.458	-0.0005	-2.5 to 2.5	Pass
		-30	3.85	-1.798	-0.0021	-2.5 to 2.5	Pass
		-20	3.85	-1.234	-0.0015	-2.5 to 2.5	Pass
		-10	3.85	-0.467	-0.0006	-2.5 to 2.5	Pass
		0	3.85	-0.929	-0.0011	-2.5 to 2.5	Pass
		10	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
		30	3.85	0.054	0.0001	-2.5 to 2.5	Pass
	40	3.85	-0.394	-0.0005	-2.5 to 2.5	Pass	
	50	3.85	-2.487	-0.0030	-2.5 to 2.5	Pass	
	846.6	20	3.27	0.812	0.0010	-2.5 to 2.5	Pass
			3.85	0.723	0.0009	-2.5 to 2.5	Pass
			4.43	0.981	0.0012	-2.5 to 2.5	Pass
		-30	3.85	-1.652	-0.0020	-2.5 to 2.5	Pass
		-20	3.85	0.860	0.0010	-2.5 to 2.5	Pass
		-10	3.85	-2.472	-0.0029	-2.5 to 2.5	Pass
		0	3.85	-0.986	-0.0012	-2.5 to 2.5	Pass
		10	3.85	-1.979	-0.0023	-2.5 to 2.5	Pass
30		3.85	-0.713	-0.0008	-2.5 to 2.5	Pass	
40	3.85	3.299	0.0039	-2.5 to 2.5	Pass		
50	3.85	1.825	0.0022	-2.5 to 2.5	Pass		
HSDPA	826.4	20	3.27	2.592	0.0031	-2.5 to 2.5	Pass
			3.85	3.235	0.0039	-2.5 to 2.5	Pass
			4.43	2.680	0.0032	-2.5 to 2.5	Pass
		-30	3.85	3.829	0.0046	-2.5 to 2.5	Pass
		-20	3.85	4.301	0.0052	-2.5 to 2.5	Pass
		-10	3.85	3.293	0.0040	-2.5 to 2.5	Pass
		0	3.85	2.955	0.0036	-2.5 to 2.5	Pass
		10	3.85	3.807	0.0046	-2.5 to 2.5	Pass
		30	3.85	2.749	0.0033	-2.5 to 2.5	Pass
	40	3.85	2.526	0.0031	-2.5 to 2.5	Pass	
	50	3.85	1.834	0.0022	-2.5 to 2.5	Pass	
	836.6	20	3.27	4.062	0.0049	-2.5 to 2.5	Pass
			3.85	3.760	0.0045	-2.5 to 2.5	Pass
			4.43	4.100	0.0049	-2.5 to 2.5	Pass
		-30	3.85	4.184	0.0050	-2.5 to 2.5	Pass
		-20	3.85	1.801	0.0022	-2.5 to 2.5	Pass
		-10	3.85	3.593	0.0043	-2.5 to 2.5	Pass
		0	3.85	3.559	0.0043	-2.5 to 2.5	Pass

		10	3.85	3.955	0.0047	-2.5 to 2.5	Pass
		30	3.85	3.727	0.0045	-2.5 to 2.5	Pass
		40	3.85	3.194	0.0038	-2.5 to 2.5	Pass
		50	3.85	3.700	0.0044	-2.5 to 2.5	Pass
	846.6	20	3.27	2.240	0.0026	-2.5 to 2.5	Pass
			3.85	1.678	0.0020	-2.5 to 2.5	Pass
			4.43	4.063	0.0048	-2.5 to 2.5	Pass
		-30	3.85	2.061	0.0024	-2.5 to 2.5	Pass
		-20	3.85	0.769	0.0009	-2.5 to 2.5	Pass
		-10	3.85	0.687	0.0008	-2.5 to 2.5	Pass
		0	3.85	1.763	0.0021	-2.5 to 2.5	Pass
		10	3.85	2.935	0.0035	-2.5 to 2.5	Pass
		30	3.85	2.391	0.0028	-2.5 to 2.5	Pass
		40	3.85	0.223	0.0003	-2.5 to 2.5	Pass
50	3.85	-0.789	-0.0009	-2.5 to 2.5	Pass		
HSUPA	826.4	20	3.27	-3.345	-0.0040	-2.5 to 2.5	Pass
			3.85	-3.696	-0.0045	-2.5 to 2.5	Pass
			4.43	-2.929	-0.0035	-2.5 to 2.5	Pass
		-30	3.85	-2.364	-0.0029	-2.5 to 2.5	Pass
		-20	3.85	-2.660	-0.0032	-2.5 to 2.5	Pass
		-10	3.85	0.661	0.0008	-2.5 to 2.5	Pass
		0	3.85	-6.834	-0.0083	-2.5 to 2.5	Pass
		10	3.85	1.031	0.0012	-2.5 to 2.5	Pass
		30	3.85	-5.011	-0.0061	-2.5 to 2.5	Pass
		40	3.85	-6.845	-0.0083	-2.5 to 2.5	Pass
	50	3.85	3.739	0.0045	-2.5 to 2.5	Pass	
	836.6	20	3.27	-2.149	-0.0026	-2.5 to 2.5	Pass
			3.85	-2.712	-0.0032	-2.5 to 2.5	Pass
			4.43	-4.647	-0.0056	-2.5 to 2.5	Pass
		-30	3.85	-1.517	-0.0018	-2.5 to 2.5	Pass
		-20	3.85	-0.576	-0.0007	-2.5 to 2.5	Pass
		-10	3.85	-1.916	-0.0023	-2.5 to 2.5	Pass
		0	3.85	1.238	0.0015	-2.5 to 2.5	Pass
		10	3.85	-0.548	-0.0007	-2.5 to 2.5	Pass
		30	3.85	2.588	0.0031	-2.5 to 2.5	Pass
		40	3.85	1.421	0.0017	-2.5 to 2.5	Pass
	50	3.85	-2.484	-0.0030	-2.5 to 2.5	Pass	
	846.6	20	3.27	-5.095	-0.0060	-2.5 to 2.5	Pass
			3.85	-3.088	-0.0036	-2.5 to 2.5	Pass
			4.43	-3.802	-0.0045	-2.5 to 2.5	Pass
		-30	3.85	-0.685	-0.0008	-2.5 to 2.5	Pass
		-20	3.85	-4.110	-0.0049	-2.5 to 2.5	Pass
		-10	3.85	-2.421	-0.0029	-2.5 to 2.5	Pass
		0	3.85	-2.366	-0.0028	-2.5 to 2.5	Pass
		10	3.85	-1.778	-0.0021	-2.5 to 2.5	Pass
30		3.85	-2.532	-0.0030	-2.5 to 2.5	Pass	
40		3.85	-0.864	-0.0010	-2.5 to 2.5	Pass	
50	3.85	-5.513	-0.0065	-2.5 to 2.5	Pass		