

# 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	2.667	0.0014	-2.5 to 2.5	Pass
			3.85	3.202	0.0017	-2.5 to 2.5	Pass
			4.43	3.098	0.0017	-2.5 to 2.5	Pass
		-30	3.85	2.811	0.0015	-2.5 to 2.5	Pass
		-20	3.85	3.582	0.0019	-2.5 to 2.5	Pass
		-10	3.85	2.690	0.0015	-2.5 to 2.5	Pass
		0	3.85	3.494	0.0019	-2.5 to 2.5	Pass
		10	3.85	3.306	0.0018	-2.5 to 2.5	Pass
		30	3.85	3.428	0.0019	-2.5 to 2.5	Pass
		40	3.85	3.548	0.0019	-2.5 to 2.5	Pass
	50	3.85	3.438	0.0019	-2.5 to 2.5	Pass	
	1880	20	3.27	-1.130	-0.0006	-2.5 to 2.5	Pass
			3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
			4.43	-0.929	-0.0005	-2.5 to 2.5	Pass
		-30	3.85	-0.892	-0.0005	-2.5 to 2.5	Pass
		-20	3.85	-1.243	-0.0007	-2.5 to 2.5	Pass
		-10	3.85	-0.792	-0.0004	-2.5 to 2.5	Pass
		0	3.85	-0.662	-0.0004	-2.5 to 2.5	Pass
		10	3.85	-0.725	-0.0004	-2.5 to 2.5	Pass
		30	3.85	-1.244	-0.0007	-2.5 to 2.5	Pass
		40	3.85	-0.882	-0.0005	-2.5 to 2.5	Pass
	50	3.85	-0.833	-0.0004	-2.5 to 2.5	Pass	
	1907.6	20	3.27	-5.510	-0.0029	-2.5 to 2.5	Pass
			3.85	-6.380	-0.0033	-2.5 to 2.5	Pass
			4.43	-5.693	-0.0030	-2.5 to 2.5	Pass
		-30	3.85	-5.358	-0.0028	-2.5 to 2.5	Pass
		-20	3.85	-5.265	-0.0028	-2.5 to 2.5	Pass
		-10	3.85	-5.295	-0.0028	-2.5 to 2.5	Pass
		0	3.85	-5.565	-0.0029	-2.5 to 2.5	Pass
		10	3.85	-5.516	-0.0029	-2.5 to 2.5	Pass
30		3.85	-5.580	-0.0029	-2.5 to 2.5	Pass	
40		3.85	-5.757	-0.0030	-2.5 to 2.5	Pass	
50	3.85	-6.602	-0.0035	-2.5 to 2.5	Pass		
HSDPA	1852.4	20	3.27	5.354	0.0029	-2.5 to 2.5	Pass
			3.85	5.158	0.0028	-2.5 to 2.5	Pass
			4.43	4.985	0.0027	-2.5 to 2.5	Pass
		-30	3.85	4.969	0.0027	-2.5 to 2.5	Pass
		-20	3.85	4.596	0.0025	-2.5 to 2.5	Pass
		-10	3.85	4.819	0.0026	-2.5 to 2.5	Pass
		0	3.85	4.751	0.0026	-2.5 to 2.5	Pass
		10	3.85	4.929	0.0027	-2.5 to 2.5	Pass
		30	3.85	4.977	0.0027	-2.5 to 2.5	Pass
		40	3.85	4.623	0.0025	-2.5 to 2.5	Pass
	50	3.85	4.665	0.0025	-2.5 to 2.5	Pass	
	1880	20	3.27	1.381	0.0007	-2.5 to 2.5	Pass
			3.85	1.391	0.0007	-2.5 to 2.5	Pass
			4.43	0.550	0.0003	-2.5 to 2.5	Pass
		-30	3.85	1.130	0.0006	-2.5 to 2.5	Pass
-20		3.85	0.606	0.0003	-2.5 to 2.5	Pass	

		-10	3.85	1.021	0.0005	-2.5 to 2.5	Pass
		0	3.85	0.754	0.0004	-2.5 to 2.5	Pass
		10	3.85	0.275	0.0001	-2.5 to 2.5	Pass
		30	3.85	1.140	0.0006	-2.5 to 2.5	Pass
		40	3.85	0.362	0.0002	-2.5 to 2.5	Pass
	50	3.85	0.596	0.0003	-2.5 to 2.5	Pass	
	1907.6	20	3.27	-7.769	-0.0041	-2.5 to 2.5	Pass
			3.85	-8.216	-0.0043	-2.5 to 2.5	Pass
			4.43	-7.523	-0.0039	-2.5 to 2.5	Pass
		-30	3.85	-7.940	-0.0042	-2.5 to 2.5	Pass
		-20	3.85	-7.483	-0.0039	-2.5 to 2.5	Pass
		-10	3.85	-7.337	-0.0038	-2.5 to 2.5	Pass
		0	3.85	-6.899	-0.0036	-2.5 to 2.5	Pass
		10	3.85	-8.180	-0.0043	-2.5 to 2.5	Pass
		30	3.85	-7.185	-0.0038	-2.5 to 2.5	Pass
40		3.85	-8.344	-0.0044	-2.5 to 2.5	Pass	
50	3.85	-7.396	-0.0039	-2.5 to 2.5	Pass		
HSUPA	1852.4	20	3.27	-1.866	-0.0010	-2.5 to 2.5	Pass
			3.85	-1.064	-0.0006	-2.5 to 2.5	Pass
			4.43	-0.511	-0.0003	-2.5 to 2.5	Pass
		-30	3.85	3.236	0.0017	-2.5 to 2.5	Pass
		-20	3.85	0.169	0.0001	-2.5 to 2.5	Pass
		-10	3.85	1.322	0.0007	-2.5 to 2.5	Pass
		0	3.85	1.666	0.0009	-2.5 to 2.5	Pass
		10	3.85	1.781	0.0010	-2.5 to 2.5	Pass
		30	3.85	2.319	0.0013	-2.5 to 2.5	Pass
		40	3.85	1.881	0.0010	-2.5 to 2.5	Pass
	50	3.85	1.592	0.0009	-2.5 to 2.5	Pass	
	1880	20	3.27	-1.669	-0.0009	-2.5 to 2.5	Pass
			3.85	-1.231	-0.0007	-2.5 to 2.5	Pass
			4.43	-1.481	-0.0008	-2.5 to 2.5	Pass
		-30	3.85	-2.362	-0.0013	-2.5 to 2.5	Pass
		-20	3.85	-2.184	-0.0012	-2.5 to 2.5	Pass
		-10	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
		0	3.85	-1.861	-0.0010	-2.5 to 2.5	Pass
		10	3.85	-1.415	-0.0008	-2.5 to 2.5	Pass
		30	3.85	-1.265	-0.0007	-2.5 to 2.5	Pass
		40	3.85	-1.610	-0.0009	-2.5 to 2.5	Pass
	50	3.85	-1.252	-0.0007	-2.5 to 2.5	Pass	
	1907.6	20	3.27	-6.173	-0.0032	-2.5 to 2.5	Pass
			3.85	-6.636	-0.0035	-2.5 to 2.5	Pass
			4.43	-5.958	-0.0031	-2.5 to 2.5	Pass
-30		3.85	-6.648	-0.0035	-2.5 to 2.5	Pass	
-20		3.85	-6.487	-0.0034	-2.5 to 2.5	Pass	
-10		3.85	-6.893	-0.0036	-2.5 to 2.5	Pass	
0		3.85	-5.907	-0.0031	-2.5 to 2.5	Pass	
10		3.85	-6.266	-0.0033	-2.5 to 2.5	Pass	
30		3.85	-5.954	-0.0031	-2.5 to 2.5	Pass	
40		3.85	-5.812	-0.0030	-2.5 to 2.5	Pass	
50	3.85	-6.206	-0.0033	-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	1.229	0.0015	-2.5 to 2.5	Pass
			3.85	1.016	0.0012	-2.5 to 2.5	Pass
			4.43	0.958	0.0012	-2.5 to 2.5	Pass
		-30	3.85	1.591	0.0019	-2.5 to 2.5	Pass
		-20	3.85	1.445	0.0017	-2.5 to 2.5	Pass
		-10	3.85	1.461	0.0018	-2.5 to 2.5	Pass
		0	3.85	1.727	0.0021	-2.5 to 2.5	Pass
		10	3.85	1.626	0.0020	-2.5 to 2.5	Pass
		30	3.85	1.364	0.0017	-2.5 to 2.5	Pass
	40	3.85	1.649	0.0020	-2.5 to 2.5	Pass	
	50	3.85	1.489	0.0018	-2.5 to 2.5	Pass	
	836.6	20	3.27	-0.241	-0.0003	-2.5 to 2.5	Pass
			3.85	-0.320	-0.0004	-2.5 to 2.5	Pass
			4.43	-0.322	-0.0004	-2.5 to 2.5	Pass
		-30	3.85	-0.476	-0.0006	-2.5 to 2.5	Pass
		-20	3.85	-0.144	-0.0002	-2.5 to 2.5	Pass
		-10	3.85	-0.046	-0.0001	-2.5 to 2.5	Pass
		0	3.85	-0.442	-0.0005	-2.5 to 2.5	Pass
		10	3.85	0.150	0.0002	-2.5 to 2.5	Pass
		30	3.85	-0.147	-0.0002	-2.5 to 2.5	Pass
	40	3.85	-0.403	-0.0005	-2.5 to 2.5	Pass	
	50	3.85	-0.105	-0.0001	-2.5 to 2.5	Pass	
	846.6	20	3.27	-2.254	-0.0027	-2.5 to 2.5	Pass
			3.85	-2.019	-0.0024	-2.5 to 2.5	Pass
			4.43	-1.792	-0.0021	-2.5 to 2.5	Pass
		-30	3.85	-1.981	-0.0023	-2.5 to 2.5	Pass
		-20	3.85	-2.271	-0.0027	-2.5 to 2.5	Pass
		-10	3.85	-1.960	-0.0023	-2.5 to 2.5	Pass
		0	3.85	-1.971	-0.0023	-2.5 to 2.5	Pass
		10	3.85	-2.010	-0.0024	-2.5 to 2.5	Pass
30		3.85	-1.685	-0.0020	-2.5 to 2.5	Pass	
40	3.85	-2.142	-0.0025	-2.5 to 2.5	Pass		
50	3.85	-2.217	-0.0026	-2.5 to 2.5	Pass		
HSDPA	826.4	20	3.27	2.687	0.0033	-2.5 to 2.5	Pass
			3.85	2.285	0.0028	-2.5 to 2.5	Pass
			4.43	2.341	0.0028	-2.5 to 2.5	Pass
		-30	3.85	2.420	0.0029	-2.5 to 2.5	Pass
		-20	3.85	2.125	0.0026	-2.5 to 2.5	Pass
		-10	3.85	2.386	0.0029	-2.5 to 2.5	Pass
		0	3.85	2.356	0.0029	-2.5 to 2.5	Pass
		10	3.85	2.276	0.0028	-2.5 to 2.5	Pass
		30	3.85	1.986	0.0024	-2.5 to 2.5	Pass
	40	3.85	2.266	0.0027	-2.5 to 2.5	Pass	
	50	3.85	2.316	0.0028	-2.5 to 2.5	Pass	
	836.6	20	3.27	0.972	0.0012	-2.5 to 2.5	Pass
			3.85	5.293	0.0063	-2.5 to 2.5	Pass

			4.43	5.291	0.0063	-2.5 to 2.5	Pass	
		-30	3.85	5.215	0.0062	-2.5 to 2.5	Pass	
		-20	3.85	5.212	0.0062	-2.5 to 2.5	Pass	
		-10	3.85	5.282	0.0063	-2.5 to 2.5	Pass	
		0	3.85	5.753	0.0069	-2.5 to 2.5	Pass	
		10	3.85	4.657	0.0056	-2.5 to 2.5	Pass	
		30	3.85	6.163	0.0074	-2.5 to 2.5	Pass	
		40	3.85	6.097	0.0073	-2.5 to 2.5	Pass	
	50	3.85	6.822	0.0082	-2.5 to 2.5	Pass		
	846.6	20		3.27	3.908	0.0046	-2.5 to 2.5	Pass
				3.85	4.723	0.0056	-2.5 to 2.5	Pass
				4.43	4.764	0.0056	-2.5 to 2.5	Pass
		-30	3.85	4.664	0.0055	-2.5 to 2.5	Pass	
		-20	3.85	3.663	0.0043	-2.5 to 2.5	Pass	
		-10	3.85	4.491	0.0053	-2.5 to 2.5	Pass	
		0	3.85	3.824	0.0045	-2.5 to 2.5	Pass	
		10	3.85	3.729	0.0044	-2.5 to 2.5	Pass	
		30	3.85	3.563	0.0042	-2.5 to 2.5	Pass	
40		3.85	3.560	0.0042	-2.5 to 2.5	Pass		
50	3.85	3.851	0.0045	-2.5 to 2.5	Pass			
HSUPA	826.4	20		3.27	2.350	0.0028	-2.5 to 2.5	Pass
				3.85	2.429	0.0029	-2.5 to 2.5	Pass
				4.43	1.723	0.0021	-2.5 to 2.5	Pass
		-30	3.85	1.682	0.0020	-2.5 to 2.5	Pass	
		-20	3.85	2.247	0.0027	-2.5 to 2.5	Pass	
		-10	3.85	2.262	0.0027	-2.5 to 2.5	Pass	
		0	3.85	2.462	0.0030	-2.5 to 2.5	Pass	
		10	3.85	2.211	0.0027	-2.5 to 2.5	Pass	
		30	3.85	2.749	0.0033	-2.5 to 2.5	Pass	
		40	3.85	2.368	0.0029	-2.5 to 2.5	Pass	
	50	3.85	2.519	0.0030	-2.5 to 2.5	Pass		
	836.6	20		3.27	0.326	0.0004	-2.5 to 2.5	Pass
				3.85	0.000	0.0000	-2.5 to 2.5	Pass
				4.43	-0.150	-0.0002	-2.5 to 2.5	Pass
		-30	3.85	-0.154	-0.0002	-2.5 to 2.5	Pass	
		-20	3.85	-0.020	0.0000	-2.5 to 2.5	Pass	
		-10	3.85	-0.013	0.0000	-2.5 to 2.5	Pass	
		0	3.85	0.134	0.0002	-2.5 to 2.5	Pass	
		10	3.85	-0.538	-0.0006	-2.5 to 2.5	Pass	
		30	3.85	-0.015	0.0000	-2.5 to 2.5	Pass	
		40	3.85	0.056	0.0001	-2.5 to 2.5	Pass	
	50	3.85	-0.099	-0.0001	-2.5 to 2.5	Pass		
	846.6	20		3.27	-1.800	-0.0021	-2.5 to 2.5	Pass
				3.85	-0.778	-0.0009	-2.5 to 2.5	Pass
				4.43	-0.747	-0.0009	-2.5 to 2.5	Pass
		-30	3.85	-0.981	-0.0012	-2.5 to 2.5	Pass	
		-20	3.85	-1.224	-0.0014	-2.5 to 2.5	Pass	
		-10	3.85	-0.802	-0.0009	-2.5 to 2.5	Pass	
		0	3.85	-0.627	-0.0007	-2.5 to 2.5	Pass	
		10	3.85	-0.710	-0.0008	-2.5 to 2.5	Pass	
30		3.85	-1.074	-0.0013	-2.5 to 2.5	Pass		
40		3.85	-0.845	-0.0010	-2.5 to 2.5	Pass		
50	3.85	-1.652	-0.0020	-2.5 to 2.5	Pass			

- End of the Appendix -