

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	3.3	1.588	0.0009	-2.5 to 2.5	Pass
			3.6	0.365	0.0002	-2.5 to 2.5	Pass
			4.2	1.166	0.0006	-2.5 to 2.5	Pass
		-30	3.6	0.536	0.0003	-2.5 to 2.5	Pass
		-20	3.6	-0.715	-0.0004	-2.5 to 2.5	Pass
		-10	3.6	2.618	0.0014	-2.5 to 2.5	Pass
		0	3.6	0.544	0.0003	-2.5 to 2.5	Pass
		10	3.6	-2.868	-0.0015	-2.5 to 2.5	Pass
		30	3.6	-2.754	-0.0015	-2.5 to 2.5	Pass
		40	3.6	0.365	0.0002	-2.5 to 2.5	Pass
	50	3.6	0.143	0.0001	-2.5 to 2.5	Pass	
	1880	20	3.3	-2.053	-0.0011	-2.5 to 2.5	Pass
			3.6	2.124	0.0011	-2.5 to 2.5	Pass
			4.2	-2.739	-0.0015	-2.5 to 2.5	Pass
		-30	3.6	2.096	0.0011	-2.5 to 2.5	Pass
		-20	3.6	1.545	0.0008	-2.5 to 2.5	Pass
		-10	3.6	0.000	0.0000	-2.5 to 2.5	Pass
		0	3.6	0.651	0.0003	-2.5 to 2.5	Pass
		10	3.6	-8.175	-0.0043	-2.5 to 2.5	Pass
		30	3.6	-8.061	-0.0043	-2.5 to 2.5	Pass
		40	3.6	3.154	0.0017	-2.5 to 2.5	Pass
	50	3.6	5.529	0.0029	-2.5 to 2.5	Pass	
	1907.6	20	3.3	-3.762	-0.0020	-2.5 to 2.5	Pass
			3.6	1.287	0.0007	-2.5 to 2.5	Pass
			4.2	2.067	0.0011	-2.5 to 2.5	Pass
		-30	3.6	0.057	0.0000	-2.5 to 2.5	Pass
		-20	3.6	1.466	0.0008	-2.5 to 2.5	Pass
		-10	3.6	-1.287	-0.0007	-2.5 to 2.5	Pass
		0	3.6	-2.046	-0.0011	-2.5 to 2.5	Pass
		10	3.6	1.781	0.0009	-2.5 to 2.5	Pass
30		3.6	-4.542	-0.0024	-2.5 to 2.5	Pass	
40		3.6	7.281	0.0038	-2.5 to 2.5	Pass	
50	3.6	-2.203	-0.0012	-2.5 to 2.5	Pass		
HSDPA	1852.4	20	3.3	8.118	0.0044	-2.5 to 2.5	Pass
			3.6	15.328	0.0083	-2.5 to 2.5	Pass
			4.2	11.258	0.0061	-2.5 to 2.5	Pass
		-30	3.6	12.453	0.0067	-2.5 to 2.5	Pass
		-20	3.6	12.989	0.0070	-2.5 to 2.5	Pass
		-10	3.6	13.618	0.0074	-2.5 to 2.5	Pass
		0	3.6	14.942	0.0081	-2.5 to 2.5	Pass
		10	3.6	10.765	0.0058	-2.5 to 2.5	Pass
		30	3.6	8.876	0.0048	-2.5 to 2.5	Pass
		40	3.6	4.950	0.0027	-2.5 to 2.5	Pass
	50	3.6	2.911	0.0016	-2.5 to 2.5	Pass	
	1880	20	3.3	5.558	0.0030	-2.5 to 2.5	Pass
			3.6	15.121	0.0080	-2.5 to 2.5	Pass

			4.2	12.417	0.0066	-2.5 to 2.5	Pass	
		-30	3.6	1.695	0.0009	-2.5 to 2.5	Pass	
		-20	3.6	1.602	0.0009	-2.5 to 2.5	Pass	
		-10	3.6	7.446	0.0040	-2.5 to 2.5	Pass	
		0	3.6	11.158	0.0059	-2.5 to 2.5	Pass	
		10	3.6	11.280	0.0060	-2.5 to 2.5	Pass	
		30	3.6	12.367	0.0066	-2.5 to 2.5	Pass	
		40	3.6	13.096	0.0070	-2.5 to 2.5	Pass	
		50	3.6	12.188	0.0065	-2.5 to 2.5	Pass	
	1907.6	20		3.3	8.140	0.0043	-2.5 to 2.5	Pass
				3.6	6.166	0.0032	-2.5 to 2.5	Pass
				4.2	8.483	0.0044	-2.5 to 2.5	Pass
		-30	3.6	1.566	0.0008	-2.5 to 2.5	Pass	
		-20	3.6	-0.916	-0.0005	-2.5 to 2.5	Pass	
		-10	3.6	0.279	0.0001	-2.5 to 2.5	Pass	
		0	3.6	10.850	0.0057	-2.5 to 2.5	Pass	
		10	3.6	9.263	0.0049	-2.5 to 2.5	Pass	
		30	3.6	9.363	0.0049	-2.5 to 2.5	Pass	
40		3.6	10.006	0.0052	-2.5 to 2.5	Pass		
50	3.6	5.322	0.0028	-2.5 to 2.5	Pass			
HSUPA	1852.4	20		3.3	-0.186	-0.0001	-2.5 to 2.5	Pass
				3.6	-1.853	-0.0010	-2.5 to 2.5	Pass
				4.2	-15.607	-0.0084	-2.5 to 2.5	Pass
		-30	3.6	-9.055	-0.0049	-2.5 to 2.5	Pass	
		-20	3.6	-6.630	-0.0036	-2.5 to 2.5	Pass	
		-10	3.6	-5.221	-0.0028	-2.5 to 2.5	Pass	
		0	3.6	-4.900	-0.0026	-2.5 to 2.5	Pass	
		10	3.6	-7.811	-0.0042	-2.5 to 2.5	Pass	
		30	3.6	-14.126	-0.0076	-2.5 to 2.5	Pass	
		40	3.6	-12.510	-0.0068	-2.5 to 2.5	Pass	
	50	3.6	-11.773	-0.0064	-2.5 to 2.5	Pass		
	1880	20		3.3	-16.551	-0.0088	-2.5 to 2.5	Pass
				3.6	-1.674	-0.0009	-2.5 to 2.5	Pass
				4.2	-7.253	-0.0039	-2.5 to 2.5	Pass
		-30	3.6	-10.500	-0.0056	-2.5 to 2.5	Pass	
		-20	3.6	-8.876	-0.0047	-2.5 to 2.5	Pass	
		-10	3.6	-11.759	-0.0063	-2.5 to 2.5	Pass	
		0	3.6	-12.352	-0.0066	-2.5 to 2.5	Pass	
		10	3.6	-9.198	-0.0049	-2.5 to 2.5	Pass	
		30	3.6	-16.358	-0.0087	-2.5 to 2.5	Pass	
		40	3.6	-4.034	-0.0021	-2.5 to 2.5	Pass	
	50	3.6	-14.455	-0.0077	-2.5 to 2.5	Pass		
	1907.6	20		3.3	-9.770	-0.0051	-2.5 to 2.5	Pass
				3.6	-13.297	-0.0070	-2.5 to 2.5	Pass
				4.2	-10.843	-0.0057	-2.5 to 2.5	Pass
		-30	3.6	-5.443	-0.0029	-2.5 to 2.5	Pass	
		-20	3.6	-4.592	-0.0024	-2.5 to 2.5	Pass	
		-10	3.6	-9.742	-0.0051	-2.5 to 2.5	Pass	
		0	3.6	-6.645	-0.0035	-2.5 to 2.5	Pass	
		10	3.6	-8.583	-0.0045	-2.5 to 2.5	Pass	
30		3.6	-1.445	-0.0008	-2.5 to 2.5	Pass		
40		3.6	-9.913	-0.0052	-2.5 to 2.5	Pass		
50	3.6	-5.958	-0.0031	-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	3.3	0.229	0.0003	-2.5 to 2.5	Pass	
			3.6	-1.502	-0.0018	-2.5 to 2.5	Pass	
			4.2	0.129	0.0002	-2.5 to 2.5	Pass	
		-30	3.6	-2.038	-0.0025	-2.5 to 2.5	Pass	
			-20	3.6	1.466	0.0018	-2.5 to 2.5	Pass
				3.6	0.107	0.0001	-2.5 to 2.5	Pass
		0	3.6	2.589	0.0031	-2.5 to 2.5	Pass	
			10	3.6	-2.317	-0.0028	-2.5 to 2.5	Pass
		30	3.6	-2.303	-0.0028	-2.5 to 2.5	Pass	
	40	3.6	-0.279	-0.0003	-2.5 to 2.5	Pass		
	50	3.6	-1.495	-0.0018	-2.5 to 2.5	Pass		
	836.6	20	3.3	-1.602	-0.0019	-2.5 to 2.5	Pass	
			3.6	0.086	0.0001	-2.5 to 2.5	Pass	
			4.2	0.701	0.0008	-2.5 to 2.5	Pass	
		-30	3.6	-2.060	-0.0025	-2.5 to 2.5	Pass	
			-20	3.6	-0.873	-0.0010	-2.5 to 2.5	Pass
				3.6	-0.114	-0.0001	-2.5 to 2.5	Pass
		0	3.6	-1.194	-0.0014	-2.5 to 2.5	Pass	
			10	3.6	-2.046	-0.0024	-2.5 to 2.5	Pass
		30	3.6	-0.815	-0.0010	-2.5 to 2.5	Pass	
	40	3.6	-0.880	-0.0011	-2.5 to 2.5	Pass		
	50	3.6	-4.199	-0.0050	-2.5 to 2.5	Pass		
	846.6	20	3.3	-0.536	-0.0006	-2.5 to 2.5	Pass	
			3.6	-2.725	-0.0032	-2.5 to 2.5	Pass	
			4.2	-1.781	-0.0021	-2.5 to 2.5	Pass	
		-30	3.6	-0.923	-0.0011	-2.5 to 2.5	Pass	
			-20	3.6	-0.515	-0.0006	-2.5 to 2.5	Pass
				3.6	0.637	0.0008	-2.5 to 2.5	Pass
		0	3.6	1.874	0.0022	-2.5 to 2.5	Pass	
			10	3.6	-1.967	-0.0023	-2.5 to 2.5	Pass
		30	3.6	-0.565	-0.0007	-2.5 to 2.5	Pass	
	40	3.6	0.207	0.0002	-2.5 to 2.5	Pass		
	50	3.6	-1.359	-0.0016	-2.5 to 2.5	Pass		
	HSDPA	826.4	20	3.3	4.950	0.0060	-2.5 to 2.5	Pass
				3.6	2.882	0.0035	-2.5 to 2.5	Pass
				4.2	1.903	0.0023	-2.5 to 2.5	Pass
-30			3.6	4.084	0.0049	-2.5 to 2.5	Pass	
			-20	3.6	6.280	0.0076	-2.5 to 2.5	Pass
				3.6	7.710	0.0093	-2.5 to 2.5	Pass
0			3.6	3.126	0.0038	-2.5 to 2.5	Pass	
			10	3.6	3.405	0.0041	-2.5 to 2.5	Pass
30			3.6	4.456	0.0054	-2.5 to 2.5	Pass	
40		3.6	5.507	0.0067	-2.5 to 2.5	Pass		
50		3.6	5.529	0.0067	-2.5 to 2.5	Pass		
836.6		20	3.3	3.033	0.0036	-2.5 to 2.5	Pass	
			3.6	6.266	0.0075	-2.5 to 2.5	Pass	
			4.2	2.053	0.0025	-2.5 to 2.5	Pass	
		-30	3.6	0.815	0.0010	-2.5 to 2.5	Pass	
	3.6		2.317	0.0028	-2.5 to 2.5	Pass		

		-10	3.6	4.985	0.0060	-2.5 to 2.5	Pass
		0	3.6	0.730	0.0009	-2.5 to 2.5	Pass
		10	3.6	2.131	0.0025	-2.5 to 2.5	Pass
		30	3.6	2.639	0.0032	-2.5 to 2.5	Pass
		40	3.6	2.933	0.0035	-2.5 to 2.5	Pass
		50	3.6	0.272	0.0003	-2.5 to 2.5	Pass
	846.6	20	3.3	3.934	0.0046	-2.5 to 2.5	Pass
			3.6	4.063	0.0048	-2.5 to 2.5	Pass
			4.2	4.270	0.0050	-2.5 to 2.5	Pass
		-30	3.6	4.835	0.0057	-2.5 to 2.5	Pass
		-20	3.6	3.426	0.0040	-2.5 to 2.5	Pass
		-10	3.6	4.728	0.0056	-2.5 to 2.5	Pass
		0	3.6	3.555	0.0042	-2.5 to 2.5	Pass
		10	3.6	2.189	0.0026	-2.5 to 2.5	Pass
		30	3.6	3.712	0.0044	-2.5 to 2.5	Pass
40		3.6	3.705	0.0044	-2.5 to 2.5	Pass	
50	3.6	2.203	0.0026	-2.5 to 2.5	Pass		
HSUPA	826.4	20	3.3	-1.388	-0.0017	-2.5 to 2.5	Pass
			3.6	0.887	0.0011	-2.5 to 2.5	Pass
			4.2	0.272	0.0003	-2.5 to 2.5	Pass
		-30	3.6	0.272	0.0003	-2.5 to 2.5	Pass
		-20	3.6	-0.072	-0.0001	-2.5 to 2.5	Pass
		-10	3.6	0.057	0.0001	-2.5 to 2.5	Pass
		0	3.6	-0.808	-0.0010	-2.5 to 2.5	Pass
		10	3.6	-1.760	-0.0021	-2.5 to 2.5	Pass
		30	3.6	-1.123	-0.0014	-2.5 to 2.5	Pass
		40	3.6	-1.338	-0.0016	-2.5 to 2.5	Pass
	50	3.6	-3.133	-0.0038	-2.5 to 2.5	Pass	
	836.6	20	3.3	-3.405	-0.0041	-2.5 to 2.5	Pass
			3.6	-0.179	-0.0002	-2.5 to 2.5	Pass
			4.2	-3.734	-0.0045	-2.5 to 2.5	Pass
		-30	3.6	-3.798	-0.0045	-2.5 to 2.5	Pass
		-20	3.6	-2.210	-0.0026	-2.5 to 2.5	Pass
		-10	3.6	-0.286	-0.0003	-2.5 to 2.5	Pass
		0	3.6	-5.422	-0.0065	-2.5 to 2.5	Pass
		10	3.6	-3.705	-0.0044	-2.5 to 2.5	Pass
		30	3.6	-2.503	-0.0030	-2.5 to 2.5	Pass
		40	3.6	-2.511	-0.0030	-2.5 to 2.5	Pass
	50	3.6	-1.481	-0.0018	-2.5 to 2.5	Pass	
	846.6	20	3.3	-1.667	-0.0020	-2.5 to 2.5	Pass
			3.6	-1.152	-0.0014	-2.5 to 2.5	Pass
4.2			-2.804	-0.0033	-2.5 to 2.5	Pass	
-30		3.6	-0.715	-0.0008	-2.5 to 2.5	Pass	
-20		3.6	-0.486	-0.0006	-2.5 to 2.5	Pass	
-10		3.6	0.801	0.0009	-2.5 to 2.5	Pass	
0		3.6	-2.031	-0.0024	-2.5 to 2.5	Pass	
10		3.6	-3.397	-0.0040	-2.5 to 2.5	Pass	
30		3.6	0.823	0.0010	-2.5 to 2.5	Pass	
40		3.6	-0.966	-0.0011	-2.5 to 2.5	Pass	
50	3.6	-2.053	-0.0024	-2.5 to 2.5	Pass		