

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	-3.712	-0.0020	-2.5 to 2.5	Pass
			3.6	0.086	0.0000	-2.5 to 2.5	Pass
			4.2	1.030	0.0006	-2.5 to 2.5	Pass
		-30	3.6	-0.122	-0.0001	-2.5 to 2.5	Pass
		-20	3.6	-6.652	-0.0036	-2.5 to 2.5	Pass
		-10	3.6	-1.080	-0.0006	-2.5 to 2.5	Pass
		0	3.6	3.819	0.0021	-2.5 to 2.5	Pass
		10	3.6	-5.450	-0.0029	-2.5 to 2.5	Pass
		30	3.6	4.699	0.0025	-2.5 to 2.5	Pass
		40	3.6	-4.950	-0.0027	-2.5 to 2.5	Pass
	50	3.6	2.918	0.0016	-2.5 to 2.5	Pass	
	1880	20	3.3	0.708	0.0004	-2.5 to 2.5	Pass
			3.6	0.086	0.0000	-2.5 to 2.5	Pass
			4.2	2.589	0.0014	-2.5 to 2.5	Pass
		-30	3.6	2.453	0.0013	-2.5 to 2.5	Pass
		-20	3.6	-9.184	-0.0049	-2.5 to 2.5	Pass
		-10	3.6	5.651	0.0030	-2.5 to 2.5	Pass
		0	3.6	5.536	0.0029	-2.5 to 2.5	Pass
		10	3.6	6.359	0.0034	-2.5 to 2.5	Pass
		30	3.6	-3.819	-0.0020	-2.5 to 2.5	Pass
		40	3.6	-5.243	-0.0028	-2.5 to 2.5	Pass
	50	3.6	2.925	0.0016	-2.5 to 2.5	Pass	
	1907.6	20	3.3	-3.026	-0.0016	-2.5 to 2.5	Pass
			3.6	5.407	0.0028	-2.5 to 2.5	Pass
			4.2	0.143	0.0001	-2.5 to 2.5	Pass
		-30	3.6	2.725	0.0014	-2.5 to 2.5	Pass
		-20	3.6	-4.013	-0.0021	-2.5 to 2.5	Pass
		-10	3.6	-9.241	-0.0048	-2.5 to 2.5	Pass
		0	3.6	4.063	0.0021	-2.5 to 2.5	Pass
		10	3.6	4.163	0.0022	-2.5 to 2.5	Pass
30		3.6	-3.490	-0.0018	-2.5 to 2.5	Pass	
40		3.6	-7.045	-0.0037	-2.5 to 2.5	Pass	
50	3.6	-1.767	-0.0009	-2.5 to 2.5	Pass		
HSDPA	1852.4	20	3.3	16.129	0.0087	-2.5 to 2.5	Pass
			3.6	14.834	0.0080	-2.5 to 2.5	Pass
			4.2	14.019	0.0076	-2.5 to 2.5	Pass
		-30	3.6	17.495	0.0094	-2.5 to 2.5	Pass
		-20	3.6	13.404	0.0072	-2.5 to 2.5	Pass
		-10	3.6	13.504	0.0073	-2.5 to 2.5	Pass
		0	3.6	14.305	0.0077	-2.5 to 2.5	Pass
		10	3.6	13.640	0.0074	-2.5 to 2.5	Pass
		30	3.6	11.365	0.0061	-2.5 to 2.5	Pass
		40	3.6	10.378	0.0056	-2.5 to 2.5	Pass
	50	3.6	15.113	0.0082	-2.5 to 2.5	Pass	
	1880	20	3.3	6.824	0.0036	-2.5 to 2.5	Pass
			3.6	10.257	0.0055	-2.5 to 2.5	Pass

			4.2	14.548	0.0077	-2.5 to 2.5	Pass	
		-30	3.6	11.358	0.0060	-2.5 to 2.5	Pass	
		-20	3.6	13.139	0.0070	-2.5 to 2.5	Pass	
		-10	3.6	11.687	0.0062	-2.5 to 2.5	Pass	
		0	3.6	12.116	0.0064	-2.5 to 2.5	Pass	
		10	3.6	8.268	0.0044	-2.5 to 2.5	Pass	
		30	3.6	10.436	0.0056	-2.5 to 2.5	Pass	
		40	3.6	10.142	0.0054	-2.5 to 2.5	Pass	
		50	3.6	10.614	0.0056	-2.5 to 2.5	Pass	
	1907.6	20		3.3	8.326	0.0044	-2.5 to 2.5	Pass
				3.6	8.390	0.0044	-2.5 to 2.5	Pass
				4.2	6.015	0.0032	-2.5 to 2.5	Pass
		-30	3.6	6.859	0.0036	-2.5 to 2.5	Pass	
		-20	3.6	0.730	0.0004	-2.5 to 2.5	Pass	
		-10	3.6	2.117	0.0011	-2.5 to 2.5	Pass	
		0	3.6	-0.021	0.0000	-2.5 to 2.5	Pass	
		10	3.6	0.336	0.0002	-2.5 to 2.5	Pass	
		30	3.6	-2.160	-0.0011	-2.5 to 2.5	Pass	
40		3.6	-3.161	-0.0017	-2.5 to 2.5	Pass		
50	3.6	-3.126	-0.0016	-2.5 to 2.5	Pass			
HSUPA	1852.4	20		3.3	-10.736	-0.0058	-2.5 to 2.5	Pass
				3.6	-8.333	-0.0045	-2.5 to 2.5	Pass
				4.2	-18.425	-0.0099	-2.5 to 2.5	Pass
		-30	3.6	-26.214	-0.0142	-2.5 to 2.5	Pass	
		-20	3.6	-20.735	-0.0112	-2.5 to 2.5	Pass	
		-10	3.6	-9.220	-0.0050	-2.5 to 2.5	Pass	
		0	3.6	-15.521	-0.0084	-2.5 to 2.5	Pass	
		10	3.6	-19.677	-0.0106	-2.5 to 2.5	Pass	
		30	3.6	-5.214	-0.0028	-2.5 to 2.5	Pass	
		40	3.6	2.339	0.0013	-2.5 to 2.5	Pass	
	50	3.6	-11.187	-0.0060	-2.5 to 2.5	Pass		
	1880	20		3.3	-13.468	-0.0072	-2.5 to 2.5	Pass
				3.6	-15.914	-0.0085	-2.5 to 2.5	Pass
				4.2	-13.111	-0.0070	-2.5 to 2.5	Pass
		-30	3.6	-17.073	-0.0091	-2.5 to 2.5	Pass	
		-20	3.6	-4.592	-0.0024	-2.5 to 2.5	Pass	
		-10	3.6	-6.945	-0.0037	-2.5 to 2.5	Pass	
		0	3.6	-3.648	-0.0019	-2.5 to 2.5	Pass	
		10	3.6	-1.230	-0.0007	-2.5 to 2.5	Pass	
		30	3.6	-5.071	-0.0027	-2.5 to 2.5	Pass	
		40	3.6	-0.486	-0.0003	-2.5 to 2.5	Pass	
	50	3.6	-3.476	-0.0018	-2.5 to 2.5	Pass		
	1907.6	20		3.3	-6.230	-0.0033	-2.5 to 2.5	Pass
				3.6	-10.314	-0.0054	-2.5 to 2.5	Pass
				4.2	-8.426	-0.0044	-2.5 to 2.5	Pass
		-30	3.6	-1.745	-0.0009	-2.5 to 2.5	Pass	
		-20	3.6	-3.548	-0.0019	-2.5 to 2.5	Pass	
		-10	3.6	0.465	0.0002	-2.5 to 2.5	Pass	
		0	3.6	-10.757	-0.0056	-2.5 to 2.5	Pass	
		10	3.6	-3.998	-0.0021	-2.5 to 2.5	Pass	
30		3.6	-7.510	-0.0039	-2.5 to 2.5	Pass		
40		3.6	-5.114	-0.0027	-2.5 to 2.5	Pass		
50	3.6	-5.980	-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	-0.944	-0.0011	-2.5 to 2.5	Pass	
			3.6	0.465	0.0006	-2.5 to 2.5	Pass	
			4.2	-0.415	-0.0005	-2.5 to 2.5	Pass	
		-30	3.6	-0.393	-0.0005	-2.5 to 2.5	Pass	
			-20	3.6	0.401	0.0005	-2.5 to 2.5	Pass
			-10	3.6	-1.431	-0.0017	-2.5 to 2.5	Pass
		0	3.6	-1.681	-0.0020	-2.5 to 2.5	Pass	
			10	3.6	-1.953	-0.0024	-2.5 to 2.5	Pass
			30	3.6	-0.980	-0.0012	-2.5 to 2.5	Pass
	40		3.6	-0.572	-0.0007	-2.5 to 2.5	Pass	
	50		3.6	-1.867	-0.0023	-2.5 to 2.5	Pass	
	20		3.3	0.200	0.0002	-2.5 to 2.5	Pass	
			3.6	-0.114	-0.0001	-2.5 to 2.5	Pass	
			4.2	-0.615	-0.0007	-2.5 to 2.5	Pass	
	-30	3.6	-1.652	-0.0020	-2.5 to 2.5	Pass		
		-20	3.6	-1.359	-0.0016	-2.5 to 2.5	Pass	
		-10	3.6	-1.910	-0.0023	-2.5 to 2.5	Pass	
		0	3.6	-2.282	-0.0027	-2.5 to 2.5	Pass	
			10	3.6	-2.310	-0.0028	-2.5 to 2.5	Pass
			30	3.6	-3.061	-0.0037	-2.5 to 2.5	Pass
		40	3.6	-0.093	-0.0001	-2.5 to 2.5	Pass	
		50	3.6	-3.605	-0.0043	-2.5 to 2.5	Pass	
	846.6	20	3.3	0.029	0.0000	-2.5 to 2.5	Pass	
			3.6	-1.137	-0.0013	-2.5 to 2.5	Pass	
			4.2	-0.794	-0.0009	-2.5 to 2.5	Pass	
		-30	3.6	0.401	0.0005	-2.5 to 2.5	Pass	
			-20	3.6	0.751	0.0009	-2.5 to 2.5	Pass
			-10	3.6	0.722	0.0009	-2.5 to 2.5	Pass
		0	3.6	-0.973	-0.0011	-2.5 to 2.5	Pass	
			10	3.6	-0.944	-0.0011	-2.5 to 2.5	Pass
			30	3.6	0.801	0.0009	-2.5 to 2.5	Pass
	40	3.6	-1.159	-0.0014	-2.5 to 2.5	Pass		
	50	3.6	-1.531	-0.0018	-2.5 to 2.5	Pass		
	HSDPA	826.4	20	3.3	1.638	0.0020	-2.5 to 2.5	Pass
				3.6	3.855	0.0047	-2.5 to 2.5	Pass
				4.2	3.204	0.0039	-2.5 to 2.5	Pass
-30			3.6	2.875	0.0035	-2.5 to 2.5	Pass	
			-20	3.6	1.731	0.0021	-2.5 to 2.5	Pass
			-10	3.6	2.289	0.0028	-2.5 to 2.5	Pass
0			3.6	1.788	0.0022	-2.5 to 2.5	Pass	
			10	3.6	2.511	0.0030	-2.5 to 2.5	Pass
			30	3.6	1.645	0.0020	-2.5 to 2.5	Pass
40		3.6	2.825	0.0034	-2.5 to 2.5	Pass		
50		3.6	3.855	0.0047	-2.5 to 2.5	Pass		
836.6		20	3.3	2.575	0.0031	-2.5 to 2.5	Pass	
			3.6	3.154	0.0038	-2.5 to 2.5	Pass	
			4.2	1.187	0.0014	-2.5 to 2.5	Pass	
		-30	3.6	1.616	0.0019	-2.5 to 2.5	Pass	
			-20	3.6	2.375	0.0028	-2.5 to 2.5	Pass

		-10	3.6	2.711	0.0032	-2.5 to 2.5	Pass		
		0	3.6	2.131	0.0025	-2.5 to 2.5	Pass		
		10	3.6	0.844	0.0010	-2.5 to 2.5	Pass		
		30	3.6	1.967	0.0024	-2.5 to 2.5	Pass		
		40	3.6	1.016	0.0012	-2.5 to 2.5	Pass		
		50	3.6	1.853	0.0022	-2.5 to 2.5	Pass		
	846.6	20	3.3	0.143	0.0002	-2.5 to 2.5	Pass		
			3.6	1.731	0.0020	-2.5 to 2.5	Pass		
			4.2	3.412	0.0040	-2.5 to 2.5	Pass		
		-30	3.6	1.373	0.0016	-2.5 to 2.5	Pass		
		-20	3.6	1.588	0.0019	-2.5 to 2.5	Pass		
		-10	3.6	1.910	0.0023	-2.5 to 2.5	Pass		
		0	3.6	1.552	0.0018	-2.5 to 2.5	Pass		
		10	3.6	2.632	0.0031	-2.5 to 2.5	Pass		
		30	3.6	2.697	0.0032	-2.5 to 2.5	Pass		
		40	3.6	2.203	0.0026	-2.5 to 2.5	Pass		
		50	3.6	1.574	0.0019	-2.5 to 2.5	Pass		
		HSUPA	826.4	20	3.3	-2.546	-0.0031	-2.5 to 2.5	Pass
					3.6	-1.409	-0.0017	-2.5 to 2.5	Pass
4.2	-2.925				-0.0035	-2.5 to 2.5	Pass		
-30	3.6			-1.159	-0.0014	-2.5 to 2.5	Pass		
-20	3.6			-0.694	-0.0008	-2.5 to 2.5	Pass		
-10	3.6			-0.579	-0.0007	-2.5 to 2.5	Pass		
0	3.6			-1.795	-0.0022	-2.5 to 2.5	Pass		
10	3.6			-3.984	-0.0048	-2.5 to 2.5	Pass		
30	3.6			-2.468	-0.0030	-2.5 to 2.5	Pass		
40	3.6			-2.818	-0.0034	-2.5 to 2.5	Pass		
50	3.6		-4.113	-0.0050	-2.5 to 2.5	Pass			
836.6	20		3.3	-2.539	-0.0030	-2.5 to 2.5	Pass		
			3.6	-2.346	-0.0028	-2.5 to 2.5	Pass		
			4.2	-0.257	-0.0003	-2.5 to 2.5	Pass		
	-30		3.6	-1.624	-0.0019	-2.5 to 2.5	Pass		
	-20		3.6	-1.216	-0.0015	-2.5 to 2.5	Pass		
	-10		3.6	-1.838	-0.0022	-2.5 to 2.5	Pass		
	0		3.6	-2.546	-0.0030	-2.5 to 2.5	Pass		
	10		3.6	-3.612	-0.0043	-2.5 to 2.5	Pass		
	30	3.6	-3.970	-0.0047	-2.5 to 2.5	Pass			
	40	3.6	-1.602	-0.0019	-2.5 to 2.5	Pass			
50	3.6	-1.953	-0.0023	-2.5 to 2.5	Pass				
846.6	20	3.3	-2.296	-0.0027	-2.5 to 2.5	Pass			
		3.6	2.661	0.0031	-2.5 to 2.5	Pass			
		4.2	-0.308	-0.0004	-2.5 to 2.5	Pass			
	-30	3.6	0.958	0.0011	-2.5 to 2.5	Pass			
	-20	3.6	0.107	0.0001	-2.5 to 2.5	Pass			
	-10	3.6	0.157	0.0002	-2.5 to 2.5	Pass			
	0	3.6	-1.495	-0.0018	-2.5 to 2.5	Pass			
	10	3.6	-1.144	-0.0014	-2.5 to 2.5	Pass			
	30	3.6	0.007	0.0000	-2.5 to 2.5	Pass			
	40	3.6	-1.023	-0.0012	-2.5 to 2.5	Pass			
50	3.6	-2.160	-0.0026	-2.5 to 2.5	Pass				