

# 1. Frequency Stability

## 1.1 GSM850

### 1.1.1 Test Result

Band: GSM850							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GPRS	824.2	20	3.2	8.959	0.0109	-2.5 to 2.5	Pass
			3.7	9.847	0.0119	-2.5 to 2.5	Pass
			4.2	11.895	0.0144	-2.5 to 2.5	Pass
		-30	3.7	10.318	0.0125	-2.5 to 2.5	Pass
		-20	3.7	11.824	0.0143	-2.5 to 2.5	Pass
		-10	3.7	6.996	0.0085	-2.5 to 2.5	Pass
		0	3.7	10.596	0.0129	-2.5 to 2.5	Pass
		10	3.7	9.856	0.0120	-2.5 to 2.5	Pass
		30	3.7	12.513	0.0152	-2.5 to 2.5	Pass
		40	3.7	9.726	0.0118	-2.5 to 2.5	Pass
	50	3.7	7.425	0.0090	-2.5 to 2.5	Pass	
	836.6	20	3.2	7.769	0.0093	-2.5 to 2.5	Pass
			3.7	7.301	0.0087	-2.5 to 2.5	Pass
			4.2	3.763	0.0045	-2.5 to 2.5	Pass
		-30	3.7	7.723	0.0092	-2.5 to 2.5	Pass
		-20	3.7	8.780	0.0105	-2.5 to 2.5	Pass
		-10	3.7	5.359	0.0064	-2.5 to 2.5	Pass
		0	3.7	8.015	0.0096	-2.5 to 2.5	Pass
		10	3.7	6.435	0.0077	-2.5 to 2.5	Pass
		30	3.7	5.837	0.0070	-2.5 to 2.5	Pass
		40	3.7	8.161	0.0098	-2.5 to 2.5	Pass
	50	3.7	5.533	0.0066	-2.5 to 2.5	Pass	
	848.8	20	3.2	6.495	0.0077	-2.5 to 2.5	Pass
			3.7	7.462	0.0088	-2.5 to 2.5	Pass
			4.2	5.812	0.0068	-2.5 to 2.5	Pass
		-30	3.7	6.259	0.0074	-2.5 to 2.5	Pass
		-20	3.7	3.748	0.0044	-2.5 to 2.5	Pass
		-10	3.7	5.498	0.0065	-2.5 to 2.5	Pass
		0	3.7	8.031	0.0095	-2.5 to 2.5	Pass
		10	3.7	6.281	0.0074	-2.5 to 2.5	Pass
30		3.7	6.195	0.0073	-2.5 to 2.5	Pass	
40		3.7	4.683	0.0055	-2.5 to 2.5	Pass	
50	3.7	5.098	0.0060	-2.5 to 2.5	Pass		

## 2. Frequency Stability

### 2.1 PCS1900

#### 2.1.1 Test Result

Band: PCS1900							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
GPRS	1850.2	20	3.2	-15.855	-0.0086	-2.5 to 2.5	Pass
			3.7	-14.948	-0.0081	-2.5 to 2.5	Pass
			4.2	-13.464	-0.0073	-2.5 to 2.5	Pass
		-30	3.7	-15.377	-0.0083	-2.5 to 2.5	Pass
		-20	3.7	-16.248	-0.0088	-2.5 to 2.5	Pass
		-10	3.7	-16.262	-0.0088	-2.5 to 2.5	Pass
		0	3.7	-12.784	-0.0069	-2.5 to 2.5	Pass
		10	3.7	-12.076	-0.0065	-2.5 to 2.5	Pass
		30	3.7	-18.890	-0.0102	-2.5 to 2.5	Pass
		40	3.7	-11.905	-0.0064	-2.5 to 2.5	Pass
	50	3.7	-18.302	-0.0099	-2.5 to 2.5	Pass	
	1880	20	3.2	-13.055	-0.0069	-2.5 to 2.5	Pass
			3.7	-12.372	-0.0066	-2.5 to 2.5	Pass
			4.2	-18.082	-0.0096	-2.5 to 2.5	Pass
		-30	3.7	-19.088	-0.0102	-2.5 to 2.5	Pass
		-20	3.7	-13.104	-0.0070	-2.5 to 2.5	Pass
		-10	3.7	-18.268	-0.0097	-2.5 to 2.5	Pass
		0	3.7	-14.722	-0.0078	-2.5 to 2.5	Pass
		10	3.7	-11.868	-0.0063	-2.5 to 2.5	Pass
		30	3.7	-15.895	-0.0085	-2.5 to 2.5	Pass
		40	3.7	-15.898	-0.0085	-2.5 to 2.5	Pass
	50	3.7	-11.201	-0.0060	-2.5 to 2.5	Pass	
	1909.8	20	3.2	-11.256	-0.0059	-2.5 to 2.5	Pass
			3.7	-12.665	-0.0066	-2.5 to 2.5	Pass
			4.2	-17.700	-0.0093	-2.5 to 2.5	Pass
		-30	3.7	-12.721	-0.0067	-2.5 to 2.5	Pass
		-20	3.7	-11.850	-0.0062	-2.5 to 2.5	Pass
		-10	3.7	-17.500	-0.0092	-2.5 to 2.5	Pass
		0	3.7	-11.940	-0.0063	-2.5 to 2.5	Pass
		10	3.7	-11.564	-0.0061	-2.5 to 2.5	Pass
30		3.7	-18.756	-0.0098	-2.5 to 2.5	Pass	
40		3.7	-12.527	-0.0066	-2.5 to 2.5	Pass	
50	3.7	-19.902	-0.0104	-2.5 to 2.5	Pass		

- End of the Appendix -