

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	3.27	0.420	0.0005	-2.5 to 2.5	Pass
			3.85	-0.807	-0.0010	-2.5 to 2.5	Pass
			4.43	0.549	0.0007	-2.5 to 2.5	Pass
		-30	3.85	1.517	0.0018	-2.5 to 2.5	Pass
		-20	3.85	1.033	0.0013	-2.5 to 2.5	Pass
		-10	3.85	0.581	0.0007	-2.5 to 2.5	Pass
		0	3.85	0.872	0.0011	-2.5 to 2.5	Pass
		10	3.85	0.936	0.0011	-2.5 to 2.5	Pass
		30	3.85	-0.194	-0.0002	-2.5 to 2.5	Pass
		40	3.85	2.583	0.0031	-2.5 to 2.5	Pass
		50	3.85	1.227	0.0015	-2.5 to 2.5	Pass
	836.6	20	3.27	1.937	0.0023	-2.5 to 2.5	Pass
			3.85	1.033	0.0012	-2.5 to 2.5	Pass
			4.43	-0.097	-0.0001	-2.5 to 2.5	Pass
		-30	3.85	-0.032	0.0000	-2.5 to 2.5	Pass
		-20	3.85	0.129	0.0002	-2.5 to 2.5	Pass
		-10	3.85	-0.387	-0.0005	-2.5 to 2.5	Pass
		0	3.85	0.646	0.0008	-2.5 to 2.5	Pass
		10	3.85	-0.807	-0.0010	-2.5 to 2.5	Pass
		30	3.85	0.549	0.0007	-2.5 to 2.5	Pass
		40	3.85	-0.032	0.0000	-2.5 to 2.5	Pass
		50	3.85	0.000	0.0000	-2.5 to 2.5	Pass
	848.8	20	3.27	-0.420	-0.0005	-2.5 to 2.5	Pass
			3.85	-1.130	-0.0013	-2.5 to 2.5	Pass
			4.43	0.258	0.0003	-2.5 to 2.5	Pass
		-30	3.85	-0.775	-0.0009	-2.5 to 2.5	Pass
		-20	3.85	-1.033	-0.0012	-2.5 to 2.5	Pass
		-10	3.85	-0.904	-0.0011	-2.5 to 2.5	Pass
		0	3.85	-0.258	-0.0003	-2.5 to 2.5	Pass
		10	3.85	0.484	0.0006	-2.5 to 2.5	Pass
		30	3.85	1.227	0.0014	-2.5 to 2.5	Pass
		40	3.85	-0.775	-0.0009	-2.5 to 2.5	Pass
		50	3.85	-2.325	-0.0027	-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	3.27	-13.140	-0.0071	-2.5 to 2.5	Pass
			3.85	-10.202	-0.0055	-2.5 to 2.5	Pass
			4.43	-12.010	-0.0065	-2.5 to 2.5	Pass
		-30	3.85	-13.786	-0.0075	-2.5 to 2.5	Pass
		-20	3.85	-12.656	-0.0068	-2.5 to 2.5	Pass
		-10	3.85	-12.398	-0.0067	-2.5 to 2.5	Pass
		0	3.85	-14.464	-0.0078	-2.5 to 2.5	Pass
		10	3.85	-13.947	-0.0075	-2.5 to 2.5	Pass
		30	3.85	-12.365	-0.0067	-2.5 to 2.5	Pass
		40	3.85	-12.043	-0.0065	-2.5 to 2.5	Pass
		50	3.85	-13.947	-0.0075	-2.5 to 2.5	Pass
	1880	20	3.27	-17.499	-0.0093	-2.5 to 2.5	Pass
			3.85	-12.010	-0.0064	-2.5 to 2.5	Pass
			4.43	-13.851	-0.0074	-2.5 to 2.5	Pass
		-30	3.85	-12.301	-0.0065	-2.5 to 2.5	Pass
		-20	3.85	-13.076	-0.0070	-2.5 to 2.5	Pass
		-10	3.85	-13.754	-0.0073	-2.5 to 2.5	Pass
		0	3.85	-12.495	-0.0066	-2.5 to 2.5	Pass
		10	3.85	-12.398	-0.0066	-2.5 to 2.5	Pass
		30	3.85	-14.593	-0.0078	-2.5 to 2.5	Pass
		40	3.85	-10.783	-0.0057	-2.5 to 2.5	Pass
		50	3.85	-12.172	-0.0065	-2.5 to 2.5	Pass
	1909.8	20	3.27	-13.205	-0.0069	-2.5 to 2.5	Pass
			3.85	-11.268	-0.0059	-2.5 to 2.5	Pass
			4.43	-14.690	-0.0077	-2.5 to 2.5	Pass
		-30	3.85	-13.302	-0.0070	-2.5 to 2.5	Pass
		-20	3.85	-8.653	-0.0045	-2.5 to 2.5	Pass
		-10	3.85	-13.269	-0.0069	-2.5 to 2.5	Pass
		0	3.85	-14.141	-0.0074	-2.5 to 2.5	Pass
		10	3.85	-14.690	-0.0077	-2.5 to 2.5	Pass
		30	3.85	-13.043	-0.0068	-2.5 to 2.5	Pass
		40	3.85	-11.978	-0.0063	-2.5 to 2.5	Pass
		50	3.85	-13.689	-0.0072	-2.5 to 2.5	Pass