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	3.3	-13.689	-0.0166	-2.5 to 2.5	Pass
			3.6	-15.433	-0.0187	-2.5 to 2.5	Pass
			4.2	-16.950	-0.0206	-2.5 to 2.5	Pass
		-30	3.6	-17.273	-0.0210	-2.5 to 2.5	Pass
		-20	3.6	-8.201	-0.0100	-2.5 to 2.5	Pass
		-10	3.6	-16.918	-0.0205	-2.5 to 2.5	Pass
		0	3.6	-14.077	-0.0171	-2.5 to 2.5	Pass
		10	3.6	-11.106	-0.0135	-2.5 to 2.5	Pass
		30	3.6	-16.304	-0.0198	-2.5 to 2.5	Pass
		40	3.6	-10.913	-0.0132	-2.5 to 2.5	Pass
		50	3.6	-14.303	-0.0174	-2.5 to 2.5	Pass
	836.6	20	3.3	-12.785	-0.0153	-2.5 to 2.5	Pass
			3.6	-16.272	-0.0195	-2.5 to 2.5	Pass
			4.2	-11.623	-0.0139	-2.5 to 2.5	Pass
		-30	3.6	-18.177	-0.0217	-2.5 to 2.5	Pass
		-20	3.6	-16.208	-0.0194	-2.5 to 2.5	Pass
		-10	3.6	-19.210	-0.0230	-2.5 to 2.5	Pass
		0	3.6	-14.496	-0.0173	-2.5 to 2.5	Pass
		10	3.6	-15.110	-0.0181	-2.5 to 2.5	Pass
		30	3.6	-15.626	-0.0187	-2.5 to 2.5	Pass
		40	3.6	-14.916	-0.0178	-2.5 to 2.5	Pass
		50	3.6	-15.077	-0.0180	-2.5 to 2.5	Pass
	848.8	20	3.3	-13.043	-0.0154	-2.5 to 2.5	Pass
			3.6	-11.526	-0.0136	-2.5 to 2.5	Pass
			4.2	-12.333	-0.0145	-2.5 to 2.5	Pass
		-30	3.6	-10.364	-0.0122	-2.5 to 2.5	Pass
		-20	3.6	-16.078	-0.0189	-2.5 to 2.5	Pass
		-10	3.6	-9.912	-0.0117	-2.5 to 2.5	Pass
		0	3.6	-10.267	-0.0121	-2.5 to 2.5	Pass
		10	3.6	-15.433	-0.0182	-2.5 to 2.5	Pass
		30	3.6	-14.367	-0.0169	-2.5 to 2.5	Pass
		40	3.6	-13.625	-0.0161	-2.5 to 2.5	Pass
		50	3.6	-14.109	-0.0166	-2.5 to 2.5	Pass
EGPRS	824.2	20	3.3	-15.465	-0.0188	-2.5 to 2.5	Pass
			3.6	-11.300	-0.0137	-2.5 to 2.5	Pass
			4.2	-2.647	-0.0032	-2.5 to 2.5	Pass
		-30	3.6	-6.167	-0.0075	-2.5 to 2.5	Pass
		-20	3.6	-0.517	-0.0006	-2.5 to 2.5	Pass
		-10	3.6	1.162	0.0014	-2.5 to 2.5	Pass
		0	3.6	-5.876	-0.0071	-2.5 to 2.5	Pass
		10	3.6	3.196	0.0039	-2.5 to 2.5	Pass
		30	3.6	-7.716	-0.0094	-2.5 to 2.5	Pass
		40	3.6	-3.099	-0.0038	-2.5 to 2.5	Pass
		50	3.6	-4.229	-0.0051	-2.5 to 2.5	Pass
	836.6	20	3.3	-2.389	-0.0029	-2.5 to 2.5	Pass
			3.6	-12.624	-0.0151	-2.5 to 2.5	Pass

		Temp.	Voltage	Freq. Error	Result	Limit	Verdict
			4.2	-3.681	-0.0044	-2.5 to 2.5	Pass
		-30	3.6	-12.043	-0.0144	-2.5 to 2.5	Pass
		-20	3.6	-10.009	-0.0120	-2.5 to 2.5	Pass
		-10	3.6	-3.681	-0.0044	-2.5 to 2.5	Pass
		0	3.6	-9.815	-0.0117	-2.5 to 2.5	Pass
		10	3.6	-4.520	-0.0054	-2.5 to 2.5	Pass
		30	3.6	-12.430	-0.0149	-2.5 to 2.5	Pass
		40	3.6	-7.200	-0.0086	-2.5 to 2.5	Pass
		50	3.6	-7.555	-0.0090	-2.5 to 2.5	Pass
	848.8	20	3.3	-0.743	-0.0009	-2.5 to 2.5	Pass
			3.6	-10.009	-0.0118	-2.5 to 2.5	Pass
			4.2	-7.426	-0.0087	-2.5 to 2.5	Pass
		-30	3.6	-10.525	-0.0124	-2.5 to 2.5	Pass
		-20	3.6	-11.817	-0.0139	-2.5 to 2.5	Pass
		-10	3.6	-10.461	-0.0123	-2.5 to 2.5	Pass
		0	3.6	-13.334	-0.0157	-2.5 to 2.5	Pass
		10	3.6	-10.461	-0.0123	-2.5 to 2.5	Pass
		30	3.6	-12.139	-0.0143	-2.5 to 2.5	Pass
		40	3.6	-7.652	-0.0090	-2.5 to 2.5	Pass
		50	3.6	-10.105	-0.0119	-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	3.3	-5.166	-0.0028	-2.5 to 2.5	Pass
			3.6	-2.099	-0.0011	-2.5 to 2.5	Pass
			4.2	-2.389	-0.0013	-2.5 to 2.5	Pass
		-30	3.6	-5.941	-0.0032	-2.5 to 2.5	Pass
		-20	3.6	-12.269	-0.0066	-2.5 to 2.5	Pass
		-10	3.6	-0.129	-0.0001	-2.5 to 2.5	Pass
		0	3.6	-2.195	-0.0012	-2.5 to 2.5	Pass
		10	3.6	-13.431	-0.0073	-2.5 to 2.5	Pass
		30	3.6	-8.427	-0.0046	-2.5 to 2.5	Pass
		40	3.6	-12.010	-0.0065	-2.5 to 2.5	Pass
		50	3.6	-1.582	-0.0009	-2.5 to 2.5	Pass
	1880	20	3.3	-6.554	-0.0035	-2.5 to 2.5	Pass
			3.6	-6.425	-0.0034	-2.5 to 2.5	Pass
			4.2	-15.433	-0.0082	-2.5 to 2.5	Pass
		-30	3.6	3.422	0.0018	-2.5 to 2.5	Pass
		-20	3.6	-3.455	-0.0018	-2.5 to 2.5	Pass
		-10	3.6	-3.099	-0.0016	-2.5 to 2.5	Pass
		0	3.6	-1.969	-0.0010	-2.5 to 2.5	Pass
		10	3.6	-15.917	-0.0085	-2.5 to 2.5	Pass
		30	3.6	-7.297	-0.0039	-2.5 to 2.5	Pass
		40	3.6	-10.073	-0.0054	-2.5 to 2.5	Pass
		50	3.6	-11.881	-0.0063	-2.5 to 2.5	Pass
	1909.8	20	3.3	-5.553	-0.0029	-2.5 to 2.5	Pass
			3.6	-10.267	-0.0054	-2.5 to 2.5	Pass

			4.2	-2.454	-0.0013	-2.5 to 2.5	Pass
		-30	3.6	0.775	0.0004	-2.5 to 2.5	Pass
		-20	3.6	-9.137	-0.0048	-2.5 to 2.5	Pass
		-10	3.6	3.487	0.0018	-2.5 to 2.5	Pass
		0	3.6	-6.425	-0.0034	-2.5 to 2.5	Pass
		10	3.6	-7.361	-0.0039	-2.5 to 2.5	Pass
		30	3.6	-3.616	-0.0019	-2.5 to 2.5	Pass
		40	3.6	-1.065	-0.0006	-2.5 to 2.5	Pass
		50	3.6	-1.001	-0.0005	-2.5 to 2.5	Pass
EGPRS	1850.2		3.3	2.163	0.0012	-2.5 to 2.5	Pass
		20	3.6	-10.687	-0.0058	-2.5 to 2.5	Pass
			4.2	-3.777	-0.0020	-2.5 to 2.5	Pass
		-30	3.6	-5.359	-0.0029	-2.5 to 2.5	Pass
		-20	3.6	1.421	0.0008	-2.5 to 2.5	Pass
		-10	3.6	2.389	0.0013	-2.5 to 2.5	Pass
		0	3.6	-2.906	-0.0016	-2.5 to 2.5	Pass
		10	3.6	-2.551	-0.0014	-2.5 to 2.5	Pass
		30	3.6	-4.585	-0.0025	-2.5 to 2.5	Pass
		40	3.6	-8.297	-0.0045	-2.5 to 2.5	Pass
		50	3.6	8.071	0.0044	-2.5 to 2.5	Pass
	1880		3.3	0.839	0.0004	-2.5 to 2.5	Pass
		20	3.6	3.939	0.0021	-2.5 to 2.5	Pass
			4.2	13.108	0.0070	-2.5 to 2.5	Pass
		-30	3.6	7.071	0.0038	-2.5 to 2.5	Pass
		-20	3.6	13.334	0.0071	-2.5 to 2.5	Pass
		-10	3.6	0.710	0.0004	-2.5 to 2.5	Pass
		0	3.6	-6.070	-0.0032	-2.5 to 2.5	Pass
		10	3.6	5.489	0.0029	-2.5 to 2.5	Pass
		30	3.6	9.557	0.0051	-2.5 to 2.5	Pass
		40	3.6	12.301	0.0065	-2.5 to 2.5	Pass
		50	3.6	1.098	0.0006	-2.5 to 2.5	Pass
	1909.8		3.3	-2.486	-0.0013	-2.5 to 2.5	Pass
		20	3.6	1.969	0.0010	-2.5 to 2.5	Pass
			4.2	7.716	0.0040	-2.5 to 2.5	Pass
		-30	3.6	-11.913	-0.0062	-2.5 to 2.5	Pass
		-20	3.6	4.940	0.0026	-2.5 to 2.5	Pass
		-10	3.6	3.261	0.0017	-2.5 to 2.5	Pass
		0	3.6	-5.650	-0.0030	-2.5 to 2.5	Pass
		10	3.6	-6.715	-0.0035	-2.5 to 2.5	Pass
		30	3.6	4.068	0.0021	-2.5 to 2.5	Pass
		40	3.6	-7.942	-0.0042	-2.5 to 2.5	Pass
		50	3.6	-9.137	-0.0048	-2.5 to 2.5	Pass