

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	6.683	0.0081	-2.5 to 2.5	Pass
			3.85	2.551	0.0031	-2.5 to 2.5	Pass
			4.43	2.647	0.0032	-2.5 to 2.5	Pass
		0	3.85	-0.420	-0.0005	-2.5 to 2.5	Pass
		10	3.85	0.452	0.0005	-2.5 to 2.5	Pass
		30	3.85	-1.517	-0.0018	-2.5 to 2.5	Pass
		40	3.85	-1.195	-0.0014	-2.5 to 2.5	Pass
	836.6	20	3.27	3.164	0.0038	-2.5 to 2.5	Pass
			3.85	0.097	0.0001	-2.5 to 2.5	Pass
			4.43	2.325	0.0028	-2.5 to 2.5	Pass
		0	3.85	0.032	0.0000	-2.5 to 2.5	Pass
		10	3.85	-0.387	-0.0005	-2.5 to 2.5	Pass
		30	3.85	-0.678	-0.0008	-2.5 to 2.5	Pass
		40	3.85	0.129	0.0002	-2.5 to 2.5	Pass
	848.8	20	3.27	-6.231	-0.0073	-2.5 to 2.5	Pass
			3.85	-2.647	-0.0031	-2.5 to 2.5	Pass
			4.43	-3.842	-0.0045	-2.5 to 2.5	Pass
		0	3.85	-3.003	-0.0035	-2.5 to 2.5	Pass
		10	3.85	-5.908	-0.0070	-2.5 to 2.5	Pass
		30	3.85	-4.875	-0.0057	-2.5 to 2.5	Pass
		40	3.85	-6.619	-0.0078	-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	34.029	0.0184	-2.5 to 2.5	Pass
			3.85	40.551	0.0219	-2.5 to 2.5	Pass
			4.43	41.197	0.0223	-2.5 to 2.5	Pass
		-30	3.85	34.449	0.0186	-2.5 to 2.5	Pass
		-20	3.85	39.550	0.0214	-2.5 to 2.5	Pass
		-10	3.85	35.256	0.0191	-2.5 to 2.5	Pass
		0	3.85	33.545	0.0181	-2.5 to 2.5	Pass
		10	3.85	34.352	0.0186	-2.5 to 2.5	Pass
		30	3.85	37.064	0.0200	-2.5 to 2.5	Pass
		40	3.85	32.802	0.0177	-2.5 to 2.5	Pass
		50	3.85	29.348	0.0159	-2.5 to 2.5	Pass
	1880	20	3.27	34.772	0.0185	-2.5 to 2.5	Pass
			3.85	34.481	0.0183	-2.5 to 2.5	Pass

			4.43	32.867	0.0175	-2.5 to 2.5	Pass
		-30	3.85	34.191	0.0182	-2.5 to 2.5	Pass
		-20	3.85	32.673	0.0174	-2.5 to 2.5	Pass
		-10	3.85	34.610	0.0184	-2.5 to 2.5	Pass
		0	3.85	32.286	0.0172	-2.5 to 2.5	Pass
		10	3.85	34.320	0.0183	-2.5 to 2.5	Pass
		30	3.85	29.509	0.0157	-2.5 to 2.5	Pass
		40	3.85	31.253	0.0166	-2.5 to 2.5	Pass
		50	3.85	27.927	0.0149	-2.5 to 2.5	Pass
	1909.8	20	3.27	27.766	0.0145	-2.5 to 2.5	Pass
			3.85	32.770	0.0172	-2.5 to 2.5	Pass
			4.43	36.548	0.0191	-2.5 to 2.5	Pass
		-30	3.85	29.832	0.0156	-2.5 to 2.5	Pass
		-20	3.85	26.313	0.0138	-2.5 to 2.5	Pass
		-10	3.85	25.861	0.0135	-2.5 to 2.5	Pass
		0	3.85	24.989	0.0131	-2.5 to 2.5	Pass
		10	3.85	25.796	0.0135	-2.5 to 2.5	Pass
		30	3.85	28.379	0.0149	-2.5 to 2.5	Pass
		40	3.85	27.249	0.0143	-2.5 to 2.5	Pass
		50	3.85	29.671	0.0155	-2.5 to 2.5	Pass