

Appendix B - Frequency Stability

25KHz, $\pi/4$ -DQPSK modulation, Assigned Frequency:854.125MHz					
Voltage(V)	Temperature (°C)	Measured Frequency (KHz)	Frequency Deviation(ppm)	Limit (ppm)	Result
48	-30	854.125025	0.03	±1.5	Pass
	-20	854.125036	0.04		
	-10	854.124962	-0.04		
	0	854.125024	0.03		
	10	854.125026	0.03		
	20	854.125038	0.04		
	30	854.124955	-0.05		
	40	854.125068	0.08		
	50	854.125056	0.07		
	55	854.125048	0.06		
44.0	25	854.125017	0.02		
55.0	25	854.125064	0.07		

25KHz, $\pi/4$ -DQPSK modulation, Assigned Frequency:859.025MHz					
Voltage(V)	Temperature (°C)	Measured Frequency (KHz)	Frequency Deviation(ppm)	Limit (ppm)	Result
48	-30	859.025025	0.03	±1.5	Pass
	-20	859.025013	0.02		
	-10	859.025044	0.05		
	0	859.025054	0.06		
	10	859.024967	-0.04		
	20	859.024974	-0.03		
	30	859.025051	0.06		
	40	859.025022	0.03		
	50	859.025034	0.04		
	55	859.025026	0.03		
44.0	25	859.025049	0.06		
55.0	25	859.025046	0.05		



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25KHz, π /4-DQPSK modulation, Assigned Frequency:868.975MHz					
Voltage(V)	Temperature (°C)	Measured Frequency (KHz)	Frequency Deviation(ppm)	Limit (ppm)	Result
48	-30	868.974934	-0.08	± 1.5	Pass
	-20	868.974986	-0.02		
	-10	868.975035	0.04		
	0	868.974974	-0.03		
	10	868.975015	0.02		
	20	868.975024	0.03		
	30	868.975045	0.05		
	40	868.974967	-0.04		
	50	868.974985	-0.02		
	55	868.974984	-0.02		
44.0	25	868.975016	0.02		
55.0	25	868.975035	0.04		

25KHz, π /4-DQPSK modulation, Assigned Frequency:869.875MHz					
Voltage(V)	Temperature (°C)	Measured Frequency (KHz)	Frequency Deviation(ppm)	Limit (ppm)	Result
48	-30	869.875024	0.03	± 1.5	Pass
	-20	869.874985	-0.02		
	-10	869.874962	-0.04		
	0	869.875018	0.02		
	10	869.875027	0.03		
	20	869.875032	0.04		
	30	869.875034	0.04		
	40	869.874983	-0.02		
	50	869.875044	0.05		
	55	869.875054	0.06		
44.0	25	869.875014	0.02		
55.0	25	869.875033	0.04		



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