



Appendix G for Frequency Stability

Frequency Stability vs temperature:

Test for 935MHz to 940MHz (middle channel=937.5MHz)

Channel Bandwidth (kHz)	Temperature (°C)	Voltage (V ac)	Frequency Error (Hz)	Tolerance (ppm)	Limit (ppm)
6.25kHz	55	120	3	0.0032	0.5
	50	120	6	0.0064	0.5
	40	120	5	0.0053	0.5
	30	120	8	0.0085	0.5
	20	120	2	0.0021	0.5
	10	120	9	0.0096	0.5
	0	120	1	0.0011	0.5
	-10	120	7	0.0075	0.5
	-20	120	3	0.0032	0.5
	-30	120	5	0.0053	0.5
	-40	120	7	0.0075	0.5
12.5kHz	55	120	9	0.0096	1.5
	50	120	3	0.0032	1.5
	40	120	6	0.0064	1.5
	30	120	8	0.0085	1.5
	20	120	7	0.0075	1.5
	10	120	3	0.0032	1.5
	0	120	4	0.0043	1.5
	-10	120	6	0.0064	1.5
	-20	120	9	0.0096	1.5
	-30	120	4	0.0043	1.5
	-40	120	6	0.0064	1.5
25kHz	55	120	3	0.0032	2.5
	50	120	8	0.0085	2.5
	40	120	5	0.0053	2.5
	30	120	9	0.0096	2.5
	20	120	2	0.0021	2.5
	10	120	6	0.0064	2.5
	0	120	3	0.0032	2.5
	-10	120	7	0.0075	2.5
	-20	120	8	0.0085	2.5
	-30	120	4	0.0043	2.5
	-40	120	1	0.0011	2.5



Frequency Stability vs voltage:

Test for 935MHz to 940MHz (middle channel=937.5MHz)

Channel Bandwidth (kHz)	Voltage (V ac)	Temperature (°C)	Frequency Error (Hz)	Tolerance (ppm)	Limit (ppm)
6.25kHz	102	20	7	0.0075	0.5
	120	20	1	0.0011	0.5
	138	20	5	0.0053	0.5
12.5kHz	102	20	2	0.0021	1.5
	120	20	8	0.0085	1.5
	138	20	4	0.0043	1.5
25kHz	102	20	3	0.0032	2.5
	120	20	6	0.0064	2.5
	138	20	9	0.0096	2.5