



Appendix G for Frequency Stability

Frequency Stability vs temperature:

Test for 452MHz to 512MHz (middle channel=482MHz)

Channel Bandwidth (kHz)	Temperature (°C)	Voltage (V ac)	Frequency Error (Hz)	Tolerance (ppm)	Limit (ppm)
6.25kHz	55	120	3	0.0062	0.5
	50	120	6	0.0124	0.5
	40	120	7	0.0145	0.5
	30	120	3	0.0062	0.5
	20	120	9	0.0187	0.5
	10	120	7	0.0145	0.5
	0	120	2	0.0041	0.5
	-10	120	6	0.0124	0.5
	-20	120	3	0.0062	0.5
	-30	120	6	0.0124	0.5
	-40	120	4	0.0083	0.5
12.5kHz	55	120	7	0.0145	1.5
	50	120	8	0.0166	1.5
	40	120	2	0.0041	1.5
	30	120	3	0.0062	1.5
	20	120	4	0.0083	1.5
	10	120	7	0.0145	1.5
	0	120	9	0.0187	1.5
	-10	120	1	0.0021	1.5
	-20	120	4	0.0083	1.5
	-30	120	3	0.0062	1.5
	-40	120	7	0.0145	1.5
25kHz	55	120	3	0.0062	2.5
	50	120	8	0.0166	2.5
	40	120	5	0.0104	2.5
	30	120	7	0.0145	2.5
	20	120	3	0.0062	2.5
	10	120	5	0.0104	2.5
	0	120	8	0.0166	2.5
	-10	120	6	0.0124	2.5
	-20	120	7	0.0145	2.5
	-30	120	2	0.0041	2.5
	-40	120	6	0.0124	2.5



Frequency Stability vs voltage:

Test for 452MHz to 512MHz (middle channel=482MHz)

Channel Bandwidth (kHz)	Voltage (V ac)	Temperature (°C)	Frequency Error (Hz)	Tolerance (ppm)	Limit (ppm)
6.25kHz	102	20	4	0.0083	0.5
	120	20	7	0.0145	0.5
	138	20	6	0.0124	0.5
12.5kHz	102	20	3	0.0062	1.5
	120	20	7	0.0145	1.5
	138	20	5	0.0104	1.5
25kHz	102	20	2	0.0041	2.5
	120	20	8	0.0166	2.5
	138	20	3	0.0062	2.5