

Appendix G-Frequency Stability
Test Data:

Frequency Stability vs temperature:

1. Test for 788MHz to 805MHz (middle channel=796.5MHz)

Channel Bandwidth (kHz)	Temperature (°C)	Voltage (V ac)	Frequency Error (Hz)	Tolerance (ppm)	Limit (ppm)
6.25kHz	50	120	7.58	0.0095	0.1
	40	120	40.97	0.0514	0.1
	30	120	46.97	0.0590	0.1
	20	120	36.15	0.0454	0.1
	10	120	29.37	0.0369	0.1
	0	120	58.08	0.0729	0.1
	-10	120	63.15	0.0793	0.1
	-20	120	48.12	0.0604	0.1
	-30	120	54.91	0.0689	0.1
	-40	120	57.26	0.0719	0.1
12.5kHz	50	120	6.44	0.0081	0.1
	40	120	59.51	0.0747	0.1
	30	120	37.8	0.0475	0.1
	20	120	59.99	0.0753	0.1
	10	120	37.33	0.0469	0.1
	0	120	53.58	0.0673	0.1
	-10	120	61.6	0.0773	0.1
	-20	120	38.88	0.0488	0.1
	-30	120	67.88	0.0852	0.1
	-40	120	58.48	0.0734	0.1

Frequency Stability vs voltage:

1. Test for 788MHz to 805MHz (middle channel=796.5MHz)

Channel Bandwidth (kHz)	Voltage (V ac)	Temperature (°C)	Frequency Error (Hz)	Tolerance (ppm)	Limit (ppm)
6.25kHz	102	20	51.46	0.0646	0.1
	120	20	40.41	0.0507	0.1
	138	20	40.41	0.0507	0.1
12.5kHz	102	20	33.84	0.0425	0.1
	120	20	58.28	0.0732	0.1
	138	20	58.05	0.0729	0.1



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