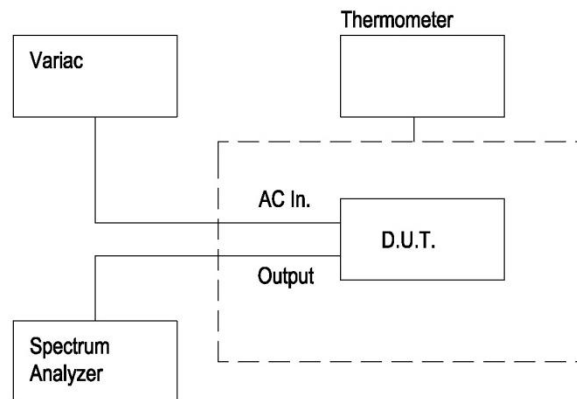


BZ5MXI1503U
Application for FCC Certification
2000 Watt Digital Television Translator

Frequency Drift versus Temperature

Readings
Calculation

Temp (°C)	Center Frequency			Max Deviation from Ref. (Hz)	% from reference
	VAC=102V	VAC=120V	VAC=138V		
-30	544995795	544995799	544995804	-4205	-0.0007716
-20	544998564	544998566	544998566	-1436	-0.0002635
-10	544999733	544999732	544999733	-268	-0.0000492
0	545000191	545000191	545000191	191	0.0000350
10	545000223	545000223	545000223	223	0.0000409
20	544999883	544999884	544999884	-117	-0.0000215
30	544999738	544999738	544999738	-262	-0.0000481
40	544999640	544999640	544999640	-360	-0.0000661
50	544999770	544999770	544999770	-230	-0.0000422
60	545000146	545000147	545000148	148	0.0000272



Test Setup for Frequency Stability measurements.

Test Equipment List:

Thermostatically controlled Temperature Chamber – Cincinnati Sub-Zero
HP 8594E Spectrum Analyzer S/N: 3303A00399