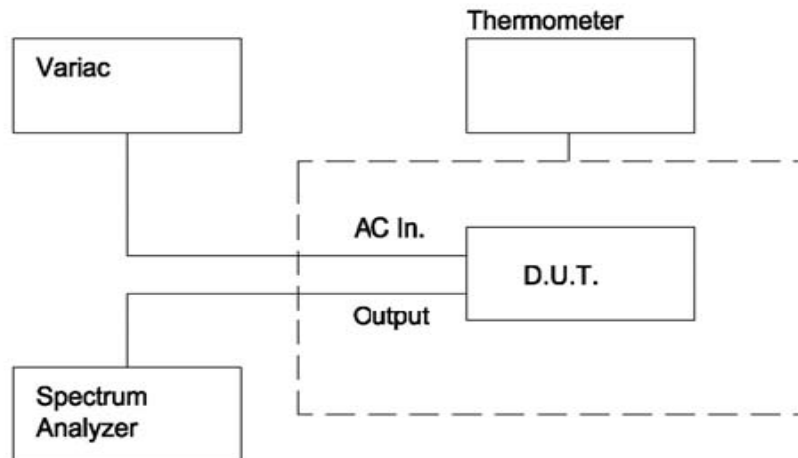


BZ5MXI501UD
Application for FCC Certification
500 Watt Digital Television Translator
Frequency Drift versus Temperature:

Readings
Calculation

Temp (°C) VAC=		Pilot Frequency			Deviation (Hz)	% from ref.
		102	120	138		
-30		650307355	650307400	650307318	5704	0.00087712
-20		650310662	650310662	650310662	2360	0.00036290
-10		650312589	650312589	650312589	433	0.00006658
0		650313359	650313359	650313359	337	0.00005182
10		650314072	650314072	650314070	1050	0.00016146
20		650313022	650313022	650313022	0	0.00000000
30		650311757	650311767	650311750	1272	0.00019560
40		650310711	650310750	650310721	2311	0.00035537
50		650310037	650310037	650310037	2985	0.00045901
60		650310775	650310775	650310775	2247	0.00034553

Test Setup for Frequency Stability Measurements:



Test Equipment List:

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