

BZ5MXD10V

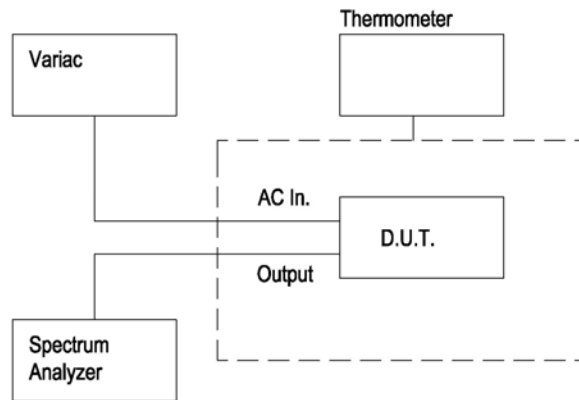
Application for FCC Certification

10W Digital Television Translator

Frequency Drift versus Temperature

Readings
Calculation

Temp (°C)	VAC=	Pilot Frequency			Deviation (Hz)	% from ref.
		102	120	138		
-30		174309250	174309225	174309225	2987	0.00171359
-20		174310200	174310200	174310200	2012	0.00115425
-10		174311075	174311075	174311075	1137	0.00065228
0		174311575	174311575	174311575	637	0.00036544
10		174312075	174312075	174312075	137	0.00007859
20		174312212	174312212	174312212	0	0.00000000
30		174312135	174312137	174312137	77	0.00004417
40		174312100	174312112	174312112	112	0.00006425
50		174312275	174312275	174312275	63	0.00003614
60		174312550	174312550	174312550	338	0.00019390



Test Setup for Frequency Stability measurements.

Test Equipment List:

Thermostatically controlled Temperature Chamber – Cincinnati Sub-Zero

HP 8594E Spectrum Analyzer S/N: 3303A00399