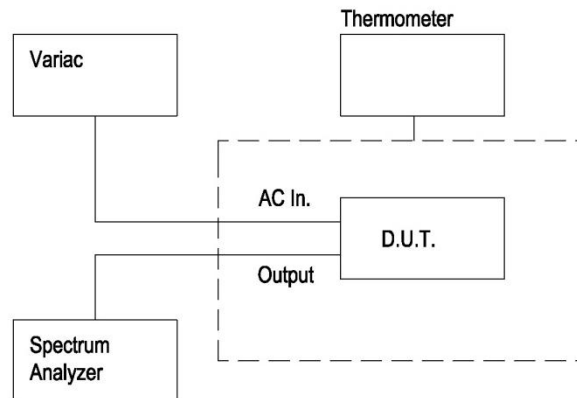


BZ5DTR10SC
Application for FCC Certification
10 Watt Digital Television Translator

Frequency Drift versus Temperature

READINGS						
CALCULATION						
TEMP (DEG C)	VAC=	LOCAL OSC'R FREQ (MHZ)			DEVIATION FROM REF	
		102	120	138	(Hz)	(%)
20 (REF)		174312212	174312212	174312212	ref	
-30		174309250	174309250	174309250	2962	0.001699
-20		174310200	174310200	174310200	2012	0.001154
-10		174311075	174311075	174311075	1137	0.000652
0		174311575	174311575	174311575	637	0.000365
10		174312075	174312075	174312075	137	0.000079
20		174312212	174312212	174312212	0	0.000000
30		174312135	174312135	174312135	77	0.000044
40		174312100	174312100	174312100	112	0.000064
50		174312275	174312275	174312275	63	0.000036
60		174312550	174312550	174312550	338	0.000194



Test Setup for Frequency Stability measurements.

Test Equipment List:

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