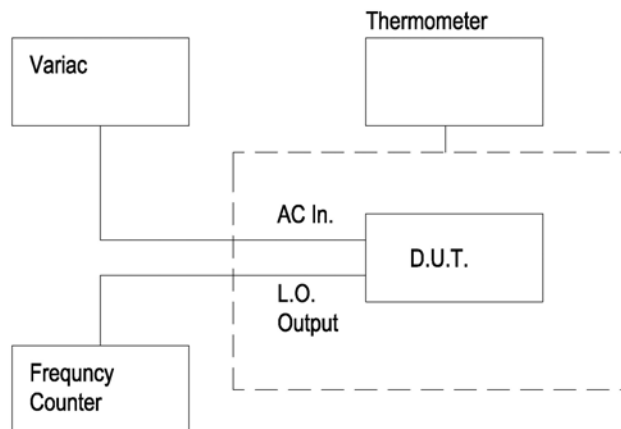


BZ5MXI401UX
Application for Certification
Heterodyne Processor Input
500 Watt UHF Translator

Frequency Drift versus Temperature.

READINGS					
CALCULATION					
LOCAL OSC'R FREQ (MHZ)				DEVIATION FROM REF	
TEMP (DEG C)	VAC=	187	220	253	(MHz) (%)
20 (REF)		747.249300	747.249300	747.249300	0.000000 0.000000
-30		747.243800	747.243800	747.243800	0.005500 0.000736
-20		747.247500	747.247500	747.247500	0.001800 0.000241
-10		747.248220	747.248220	747.248220	0.001080 0.000145
0		747.249135	747.249135	747.249135	0.000165 0.000022
10		747.249165	747.249165	747.249165	0.000135 0.000018
20		747.249277	747.249277	747.249277	0.000023 0.000003
30		747.249830	747.249830	747.249830	0.000530 0.000071
40		747.250350	747.250350	747.250350	0.001050 0.000141
50		747.251102	747.251102	747.251102	0.001802 0.000241



Test Setup Block Diagram

Test Equipment List:

Frequency Counter – Hewlett Packard HP5385A S/N 3242A07335
Thermostatically Controlled Temperature Chamber – Cincinnati Sub-Zero