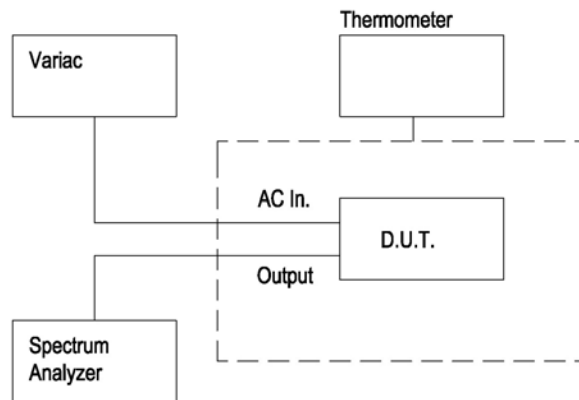


BZ5RXI5U
Application for FCC Certification
Regenerative Digital Television Translator

Frequency Drift versus Temperature

Readings
Calculation

Temp (°C)	VAC=	Pilot Frequency			Deviation (Hz)	% from ref.
		102	120	138		
-30		508998634.80	508998634.80	508998634.80	-1299.30	-0.00026
-20		509000866.40	509000866.40	509000866.40	932.30	0.000183
-10		508999993.30	508999993.30	508999993.30	59.20	1.16E-05
0		509000259.70	509000259.70	509000259.70	325.60	6.4E-05
10		508999903.50	508999903.50	508999903.50	-30.60	-6E-06
20		508999934.10	508999934.10	508999934.10	0.00	0
30		509000029.20	509000029.20	509000029.20	95.10	1.87E-05
40		509000177.00	509000177.00	509000177.00	242.90	4.77E-05
50		509000452.30	509000452.30	509000452.30	518.20	0.000102
60		509001156.6	509001156.6	509001156.6	1222.50	0.00024



Test Setup for Frequency Stability measurements.

Test Equipment List:

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