

BZ5MX1000U
Application for FCC Certification
Modulator Input
1000 Watt UHF Translator

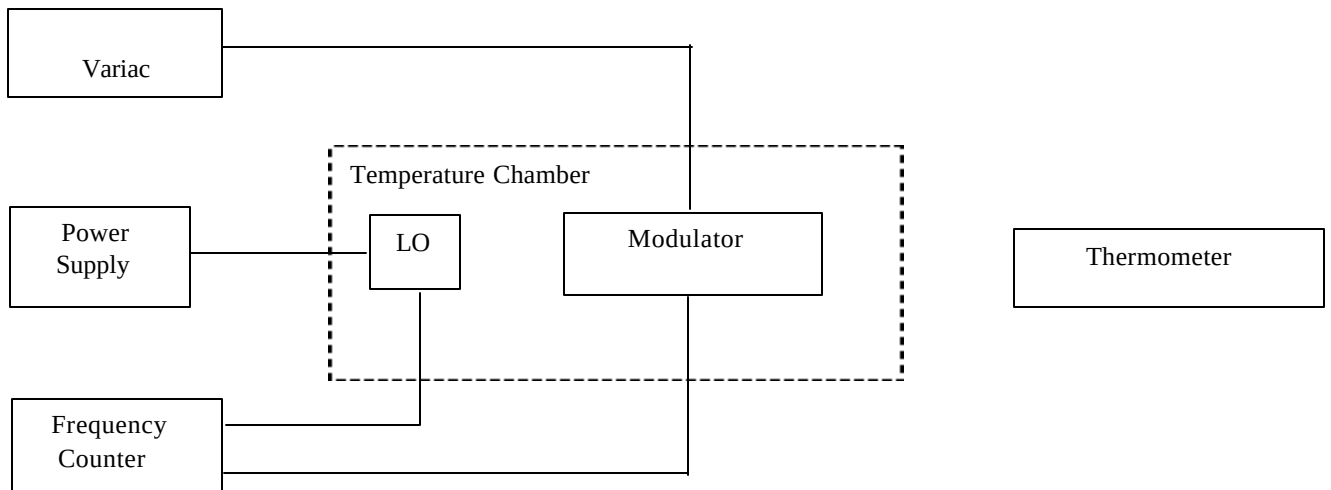
FREQUENCY DRIFT VS TEMPERATURE
C8ML MODULATOR

DEGREES C	MEASURED LO FREQUENCY(Hz)	DEVIATION(Hz)	DEVIATION(%)
-30°C	555,249,600	-43	-0.000008
-20°C	555,249,401	-242	-0.000044
-10°C	555,249,274	-369	-0.000066
0°C	555,249,330	-313	-0.000056
+10°C	555,249,475	-168	-0.000030
+20°C	555,249,598	-45	-0.000008
+25°C	555,249,643	0	0(REF)
+30°C	555,249,782	+139	+0.000025
+40°C	555,249,949	+306	+0.000055
+50°C	555,249,856	+213	+0.000038

FCC Specification: Frequency Stability of Carrier $\pm 0.002\%$.

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FREQUENCY DRIFT VS TEMPERATURE BLOCK DIAGRAM



Test Equipment List

Power Supply - Hewlett Packard HP6012A S/N 2329A-02181

Frequency Counter - Hewlett Packard HP5334B S/N 2937A05503

Thermometer - Fluke 77/80T-150U

Thermostatically Controlled Temperature Chamber - Associated