

BZ5MX30V
Application for FCC Certification
Modulator Input
30 Watt VHF Translator

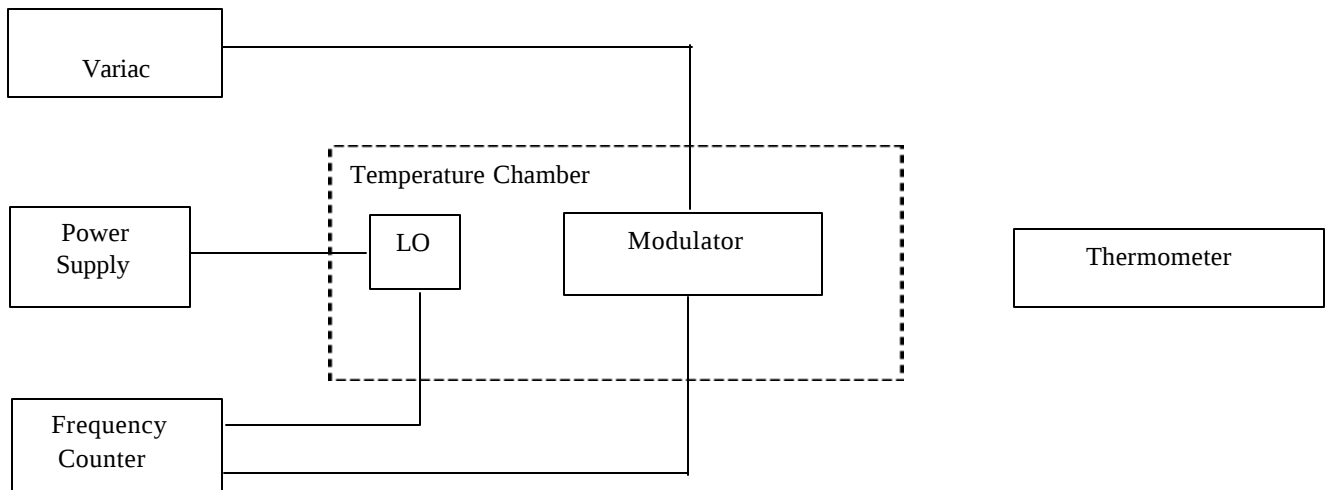
FREQUENCY DRIFT VS. TEMPERATURE
M369 MODULATOR

DEGREES C	MEASURED LO FREQUENCY(Hz)	DEVIATION(Hz)	DEVIATION(%)
-30°C	181,255,781	+5108	+0.002818
-20°C	181,255,521	+4848	+0.002675
-10°C	181,254,851	+4178	+0.002305
0°C	181,253,760	+3087	+0.001703
+10°C	181,252,655	+1982	+0.001094
+20°C	181,251,278	+605	+0.000334
+25°C	181,250,673	0	0(REF)
+30°C	181,250,037	-636	-0.000351
+40°C	181,248,547	-2126	-0.001173
+50°C	181,247,214	-3459	-0.001908

FCC Specification: Frequency Stability of Carrier $\pm 0.02\%$.

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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