

BZ5TTS250MV
Application for FCC Certification
Modulator Input
250 Watt VHF Translator

FREQUENCY DRIFT VS TEMPERATURE

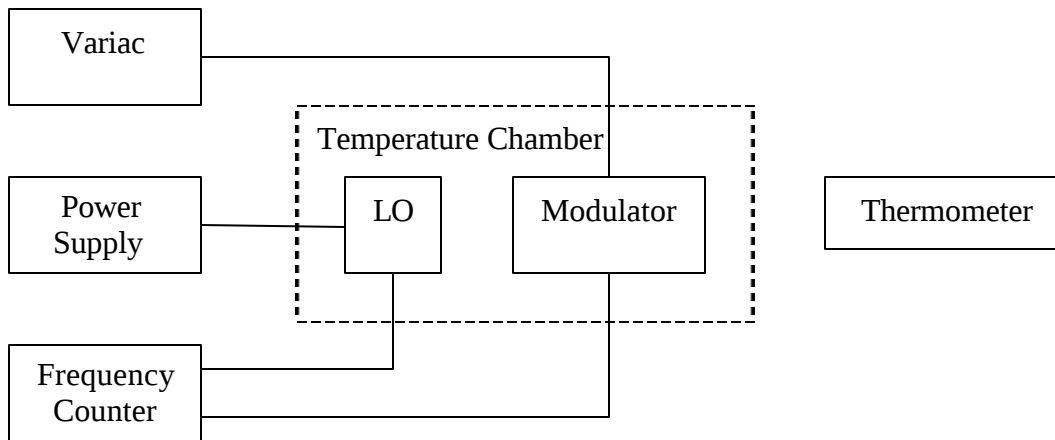
GENERAL INSTRUMENTS C8M MODULATOR

DEGREES C	MEASURED LO FREQUENCY(Hz)	DEVIATION(Hz)	DEVIATION(%)
-30°C	211,250,832	+1005	+0.000476
-20°C	211,250,680	+853	+0.000404
-10°C	211,250,477	+650	+0.000308
0°C	211,250,265	+438	+0.000207
+10°C	211,250,071	+244	+0.000116
+20°C	211,249,908	+81	+0.000038
+25°C	211,249,827	0	0(REF)
+30°C	211,249,794	-33	-0.000016
+40°C	211,249,752	-75	-0.000036
+50°C	211,249,836	-9	-0.000004

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

BZ5TTS250MV
Application for FCC Certification
Modulator Input
250 Watt VHF Translator

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