FCC Inquiry Dated 11/7/00
FCC ID: JFZT211
731 Confirmation Number: TC99082

Frequency stability for temperatures down to –30 degrees C as required by Section 2.1055(a)(1): Data follows.

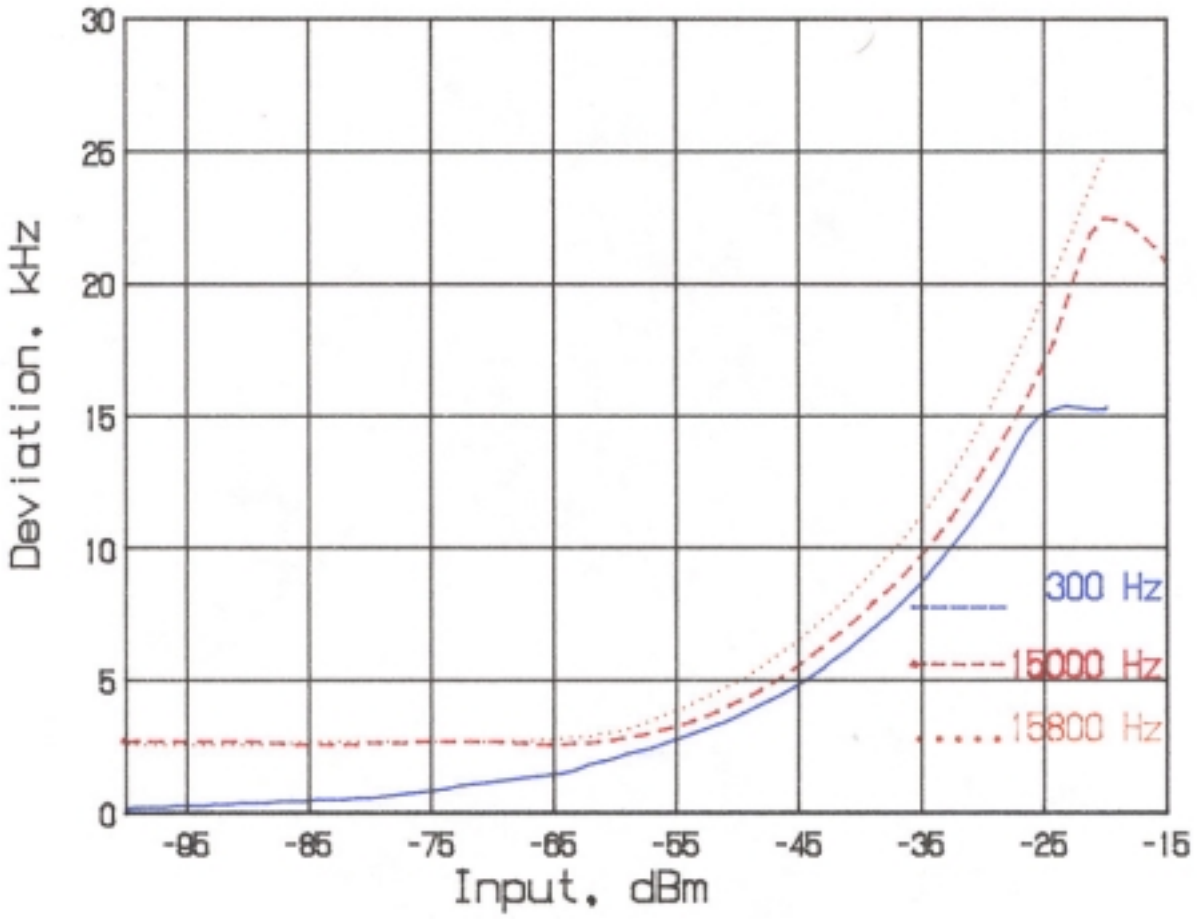
1. Measurement data for modulation limiting as required by Section 2.1047(b): Plot follows.

2. Please accept data based on XX uV/m pending revisions of our test procedures and equipment. Note all spurious were >30 dB below carrier.

3. Please accept data based on XX uV/m pending revisions of our test procedures and equipment.

FIGURE 3

AUDIO LIMITER CHARACTERISTICS



AUDIO LIMITER CHARACTERISTICS
FCC ID: JFZT211

FIGURE 3

G. FREQUENCY STABILITY
(Paragraph 2.995(2) and 74.861 of the Rules)

Measurement of frequency stability versus temperature was made at temperatures from -0°C to +50°C. At each temperature, the unit was exposed to test chamber ambient a minimum of 60

minutes after indicated chamber temperature ambient had stabilized to within ±2° of the desired test temperature. Following the 1 hour soak at each temperature, the unit was turned on, keyed and frequency measured within 2 minutes. Test temperature was sequenced in the order shown in Table 2, starting with -0°C.

A Thermotron S1.2 temperature chamber was used. Temperature was monitored with a Keithley 871 digital temperature probe. The transmitter output stage was terminated in a 50 ohm dummy load. Primary supply was 3 Vdc. Frequency was measured with a HP5385A digital frequency counter connected to the transmitter through a power attenuator.

TABLE 3

FREQUENCY STABILITY AS A FUNCTION OF TEMPERATURE
734.375 MHz; 3 Vdc; 6 mW

Temperature, °C	Output Frequency, MHz
-29.2*	734.362776
-20.0*	734.366577
- 9.3*	734.370548
- 0.2	734.372965
9.8	734.374245
19.9	734.374686
29.9	734.374657
39.8	734.374621
50.6	734.375214
Maximum frequency error:	734.362776
	734.375000
	- 0.012224 MHz

FCC Rule 74.861(e)(4) specifies .005% or a maximum of 0.036719 MHz, corresponding to:

High Limit	734.411719 MHz
Low Limit	734.338281 MHz

*Gloves are provided to the user.