To : Frank Coperich <u>Fcoperic@fcc.gov</u> FCC Application Processing Branch

From : Leon Kogan, JMR Electronics Inc. Applicant : Listen Technologies Corporation Correspondence Reference Number : 13299 731 Confirmation Number : EA96005

Dear Mr. Coperich,

The following are our answers on your e-mail, April 06, 2000. <u>Please note</u>: the tests were conducted on EUT without any modifications.

## LT700 unit.

We performed the following measurements using HP85462A Spectrum Analyzer with RBW = 300 Hz for 1K Standard channel and 2K Extra band channel. With the Modulation amplitude equal 100 mV, the Modulation frequency had been adjusted to reach the First Carrier null.

## 1.1. Channel 1K.

The Frequency modulation that has been measured is Fmod = 4.3 kHz. The carrier peak frequency deviation have been determined by using a modulation index of 2.4 (first carrier null) and modulation frequency of 4.95 kHz (Fmod) and it is equal 4.3 x 2.4 = 10.32 kHz.

Below is the spectrum of FM signal at 216.5125 MHz with the First Carrier null.

## 1.1. Channel 1K.



## 1.2. Channel 2K.

The Frequency modulation that has been measured is Fmod = 8.1 kHz. The carrier peak frequency deviation have been determined by using a modulation index of 2.4 (first carrier null) and modulation frequency of 8.1 kHz (Fmod) and it is equal 8.1 x 2.4 = 19.44 kHz.

Below is the spectrum of FM signal at 216.525 MHz with the First Carrier null.

