

To : Frank Coperich  
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FCC Application Processing Branch

From : Leon Kogan, JMR Electronics Inc.  
Applicant : Listen Technologies Corporation  
Correspondence Reference Number : 13296  
731 Confirmation Number : EA96002

Dear Mr. Coperich,

The following are our answers on your e-mail, April 06, 2000.

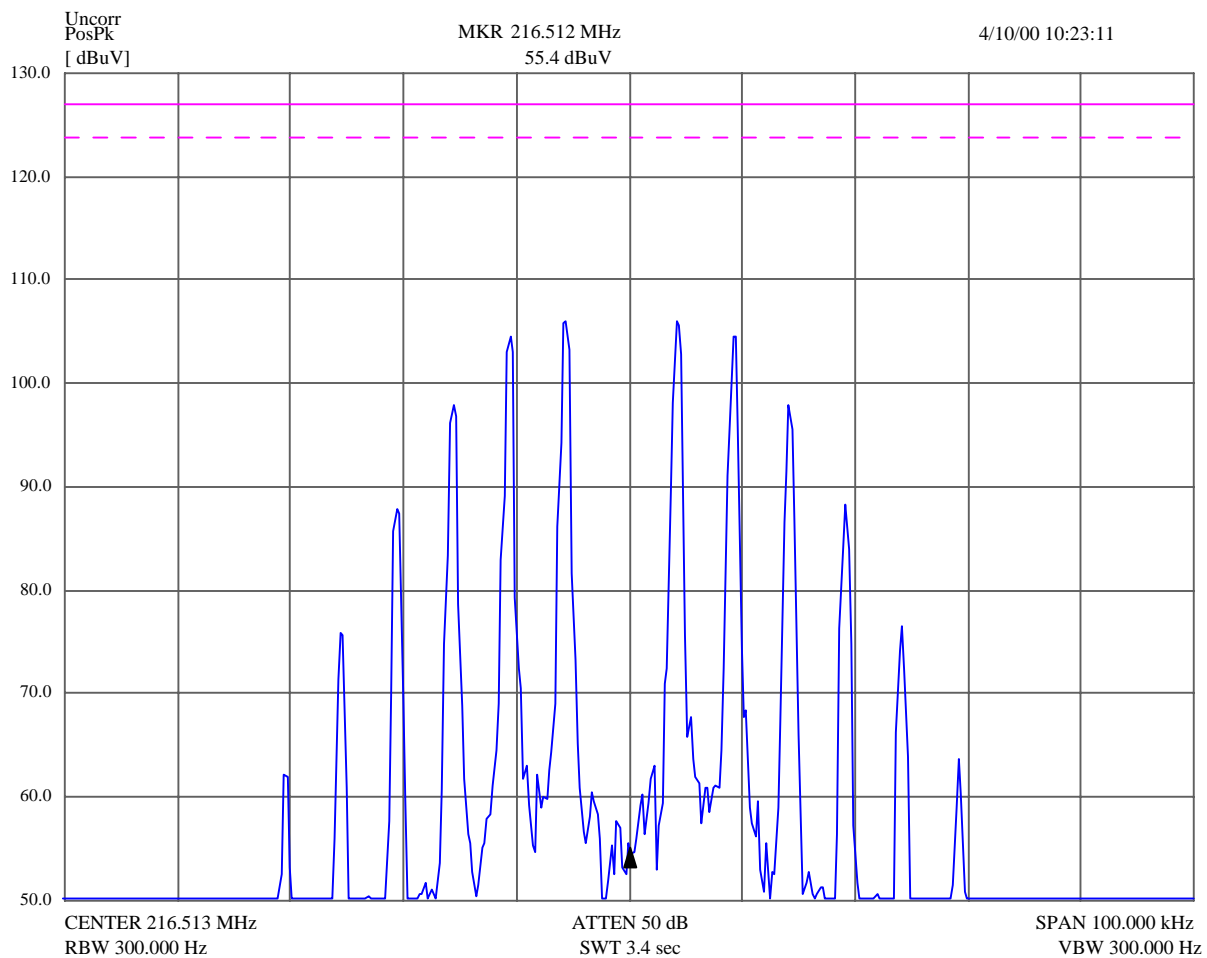
Please note: the tests were conducted on EUT without any modifications.

1. 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  $F_{mod} = 4.95 \text{ kHz}$ . Using a modulation index of 2.4 (first carrier null) and modulation frequency of 4.95 kHz ( $F_{mod}$ ) have determined the carrier peak frequency deviation and it is equal  $4.95 \times 2.4 = 11.88 \text{ kHz}$ .

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



## 1.2.Channel 2K.

The Frequency modulation that has been measured is  $F_{\text{mod}} = 10.2 \text{ kHz}$ . Using a modulation index of 2.4 (first carrier null) and modulation frequency of 10.2 kHz ( $F_{\text{mod}}$ ) have determined the carrier peak frequency deviation and it is equal :  $10.2 \times 2.4 = 24.48 \text{ kHz}$ .

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

