

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.

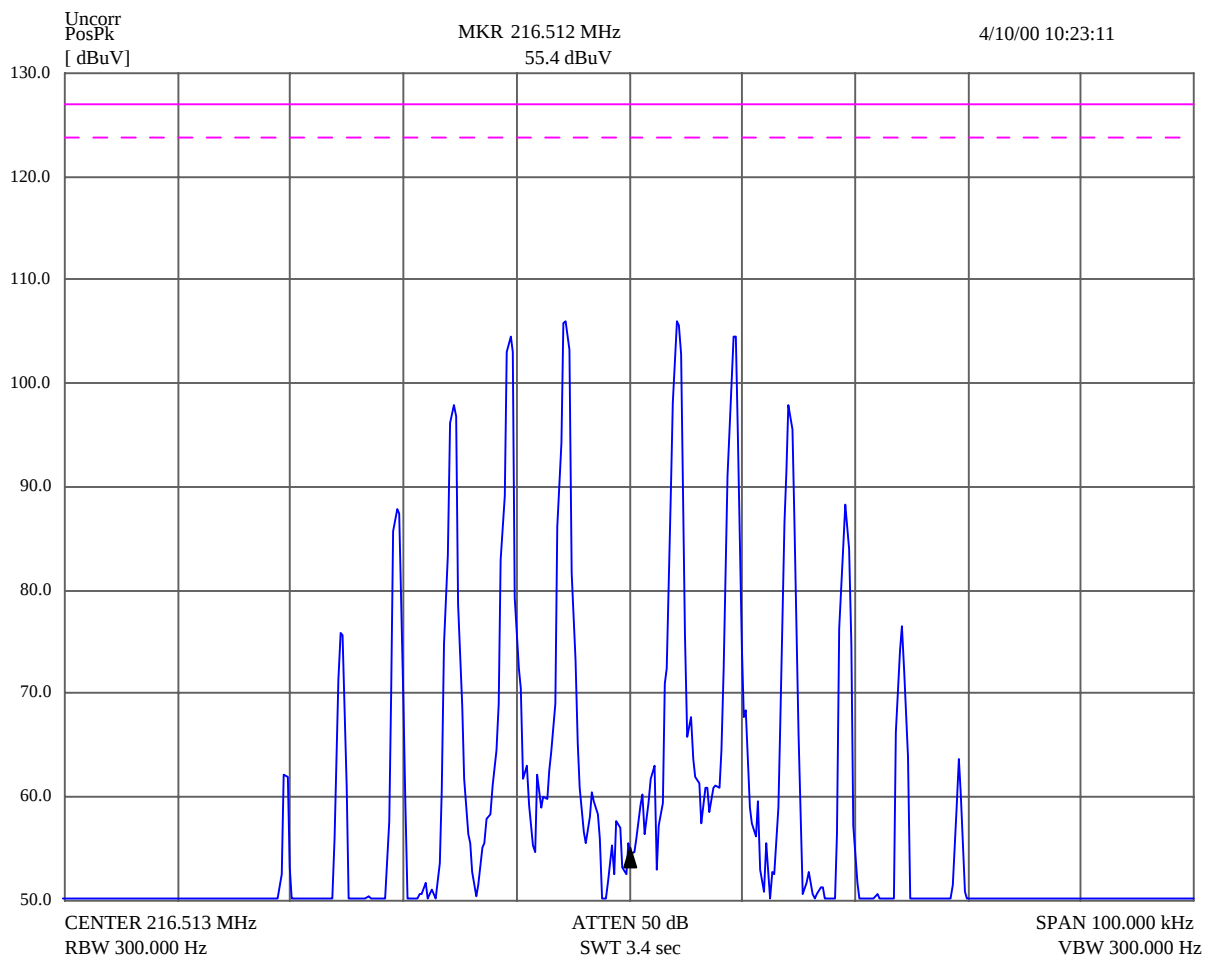
Please note: the tests were conducted on EUT without any modifications.

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_{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.

