From: Jon Curtis
To: Frank Coperich
fcoperic@fcc.gov
FCC Equipment Authorization Branch

Re: FCC ID: TNB-Licensed Non-Broadcast Station Transmitter

Applicant: E F Johnson Company
Correspondence Reference Number: 258
731 Confirmation Number: TC98712
Date of Original Email: 09/08/2000

TC 98712

Dear Mr. Cooperich,

We have discussed the issues raised with the test laboratory and our Reponses are written in bold below.

1.) Please note that the attenuation requirement under Section 90.210(d)(3) is 50 + 10Log(P) or 70 dB whichever is "lesser". This requirement is used for 12.5 kHz operation. This specification should be listed in the report.

Item l. We have uploaded a revised page 11 to indicate that the product complies with the requirement. We believe that the graphical masks drawn on the bandwidth photos were compliant with 90.210(d)(3) in the original application.

2.) The levels of radiated spurious emissions not more than 20 dB below the limit should be reported.

This information is on page 14 of the test report.

3.) For amplifiers, repeaters and boosters, occupied bandwidth tests showing a comparison of the input and output modulated signals should be provided.

I believe the test labs response is adequate and it is as follows:
In the past, we have included the modulated input signal for amplifiers and boosters. This is a first for Repeaters.

The signal we used for modulating the transmitter was a 2500 Hz, sine wave, amplitude @ l6db greater than that necessary to produce 50% modulation. The input level was established at the frequency of maximum response (2820 Hz).

Does Frank want us to provide a sine wave? Plots on pages l6 to 21 show Occupied Bandwidth of the output modulated signals.