To: Bill Graff
From: Greg Snyder
Date: 3/27/01
Reference: FCC ID: M7G-HUHF800-40

1.) All amplifiers will need the three tone intermod test. This has been FCC policy for years.

R. This unit is only used as a single channel amplifier and therefore the IM test is not required. See e-mail excerpt from Frank Coperich below:

From: Frank Coperich [mailto:FCOPERIC@fcc.gov]
Sent: Wednesday, March 21, 2001 11:08 AM
To: gregs@wll.com
Cc: Raymond Laforge
Subject: Re: Question on Amplifier Testing

The (three tone) IM test does not apply to single channel amplifiers.

2.) Transmitter radiated spurious must be done using the substitution method as described in TIA/EIA 603, and not just a field strength measurement converted to ERP.

R. Radiated spurious emissions have been measured using the signal substitution method. See revised report dated 3/27/01.

3.) The measured power output on the 731 does not seem to track with the power output listed in 3.1. Voltage vs. power is not necessarily a concern, therefore testing at anything other than STV (Standard Test Voltage) is confusing. Is this variation in power due to the characteristics of the exciter or the amp? A table including the output power of the exciter feeding the amp on this table is helpful.

R. The output power was re-measured with and a new data table has been inserted in the revised report dated 3/27/01. The input signal was also verified to be at a level of 2 watts for each frequency.

4.) It is useful to include unmodulated plots with all Occupied Bandwidths. Ideally, unmodulated plots would always be set to the top of the reference level before modulation applied. As a bonus, if the cable and attenuator loss are placed into the spectrum analyzer offset, then Reference Level would equal power output in dBm.

R. Future submissions will include the unmodulated signal with the Occupied Bandwidth plots.

5.) No RF exposure information is included. There are no instructions as to where this device could be installed. Therefore, it cannot even be identified properly as either Fixed or Mobile. Please address.

R. The amplifier is used as fixed basestation applications.