

Project Number: 99ME45100

Issue Date: November 19, 1999

File Number: NC3932

Model: FFPA-8689-120 (Amplifier) and HPC8689-400 (Shelf)

FCC ID: MCD FFPA8689-120

### **Conducted and Radiated Spurious and Harmonic Emissions Measurements**

#### **Test Procedure**

A CW signal at 880.9MHz as injected into the amplifier. The input signal was adjusted to produce an output of 50.8dBm when the unit was tested as a stand-alone amplifier and 50dBm when tested in the shelf. These values produced the maximum power at the amplifier output connector. Conducted spurious and harmonic emissions were measured at the amplifier output between 30MHz and 10GHz. Also, from 1 to 10GHz, the radiated spurious and harmonic emissions were measured in a 10-meter anechoic chamber at a distance of 3 meters.

#### **Test Results**

All measurements of conducted and radiated spurious and harmonic emissions were greater than 60dB down from the amplitude of the fundamental frequency of the amplifier.

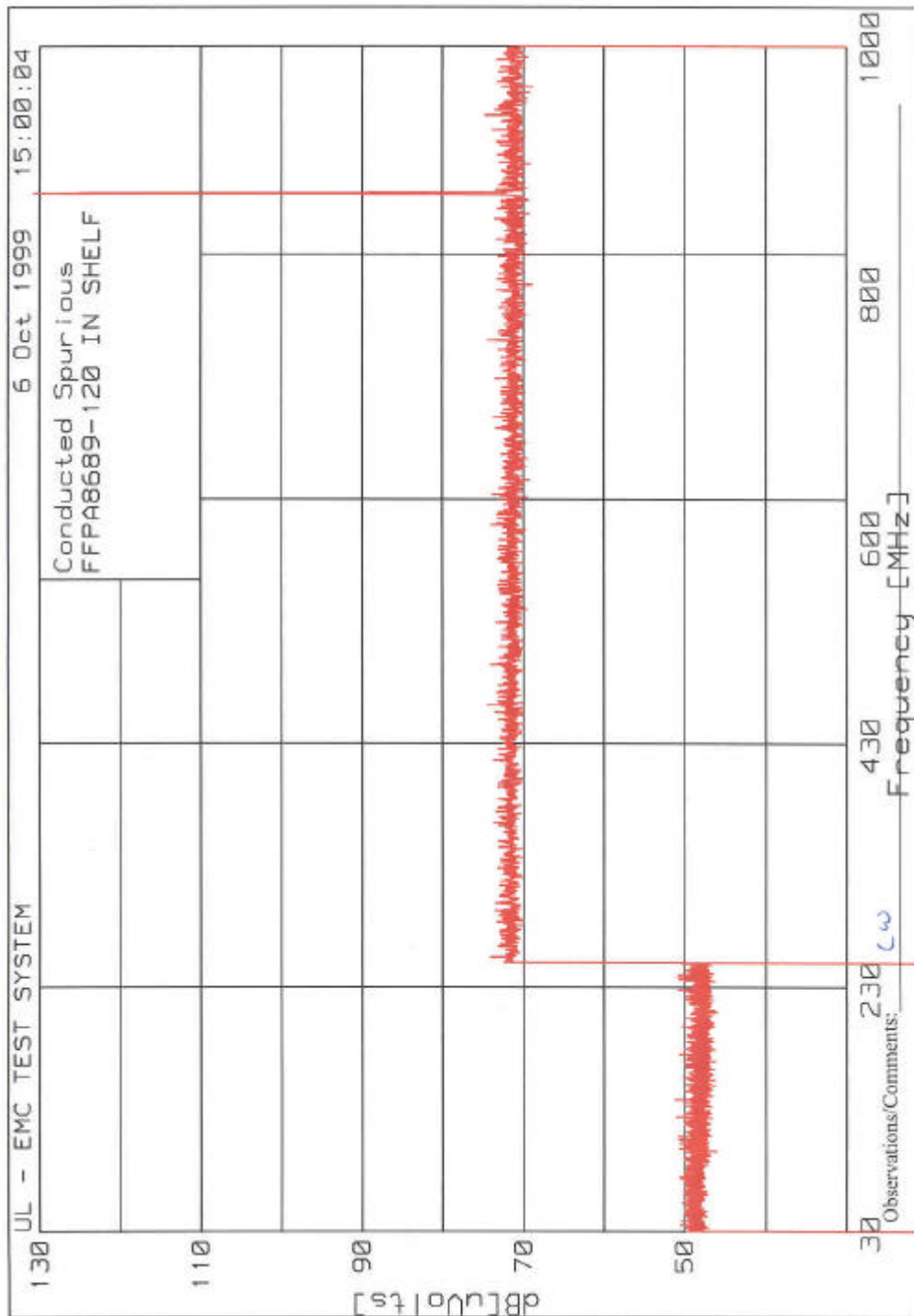
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Tested By: W.D. Nish

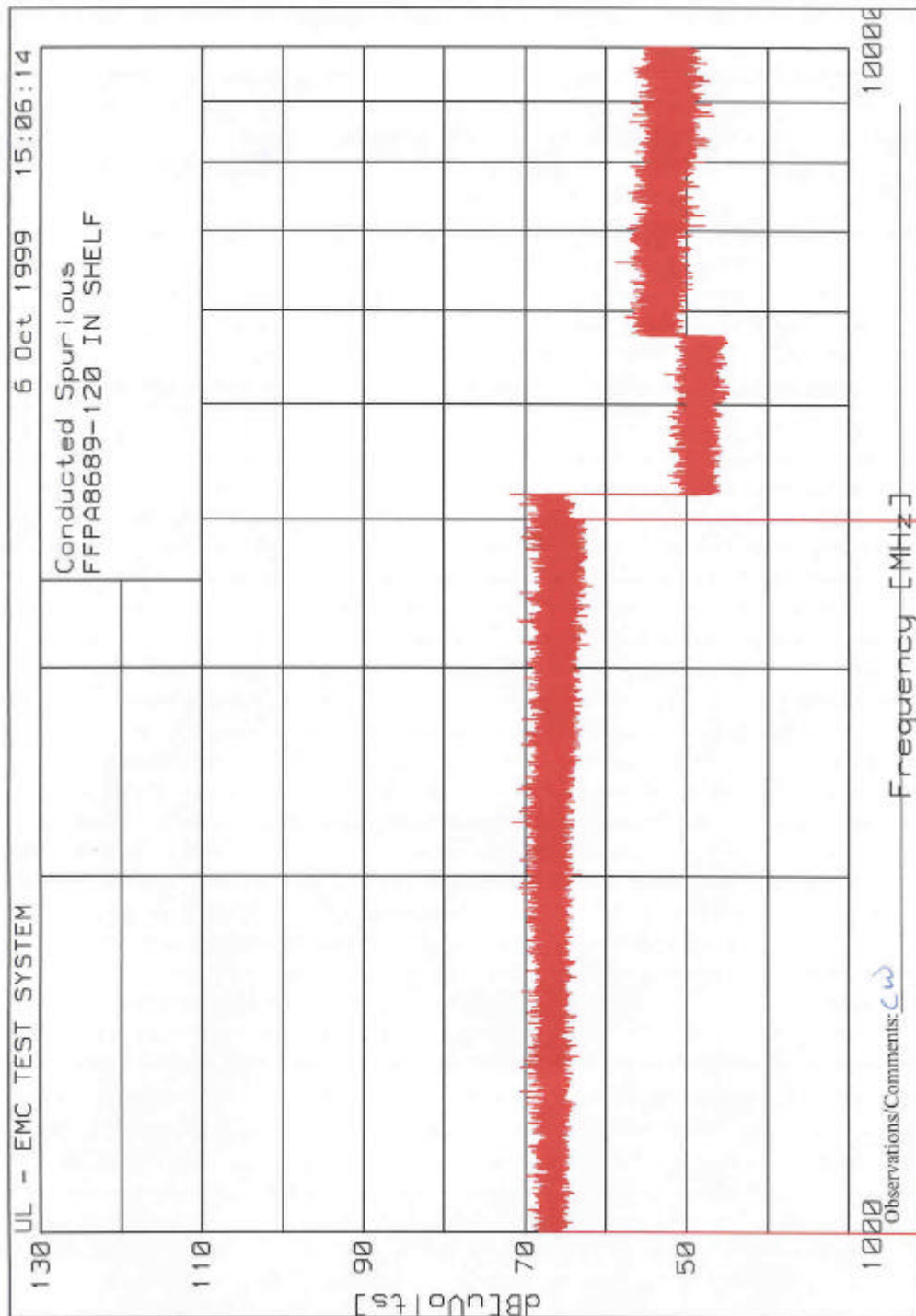
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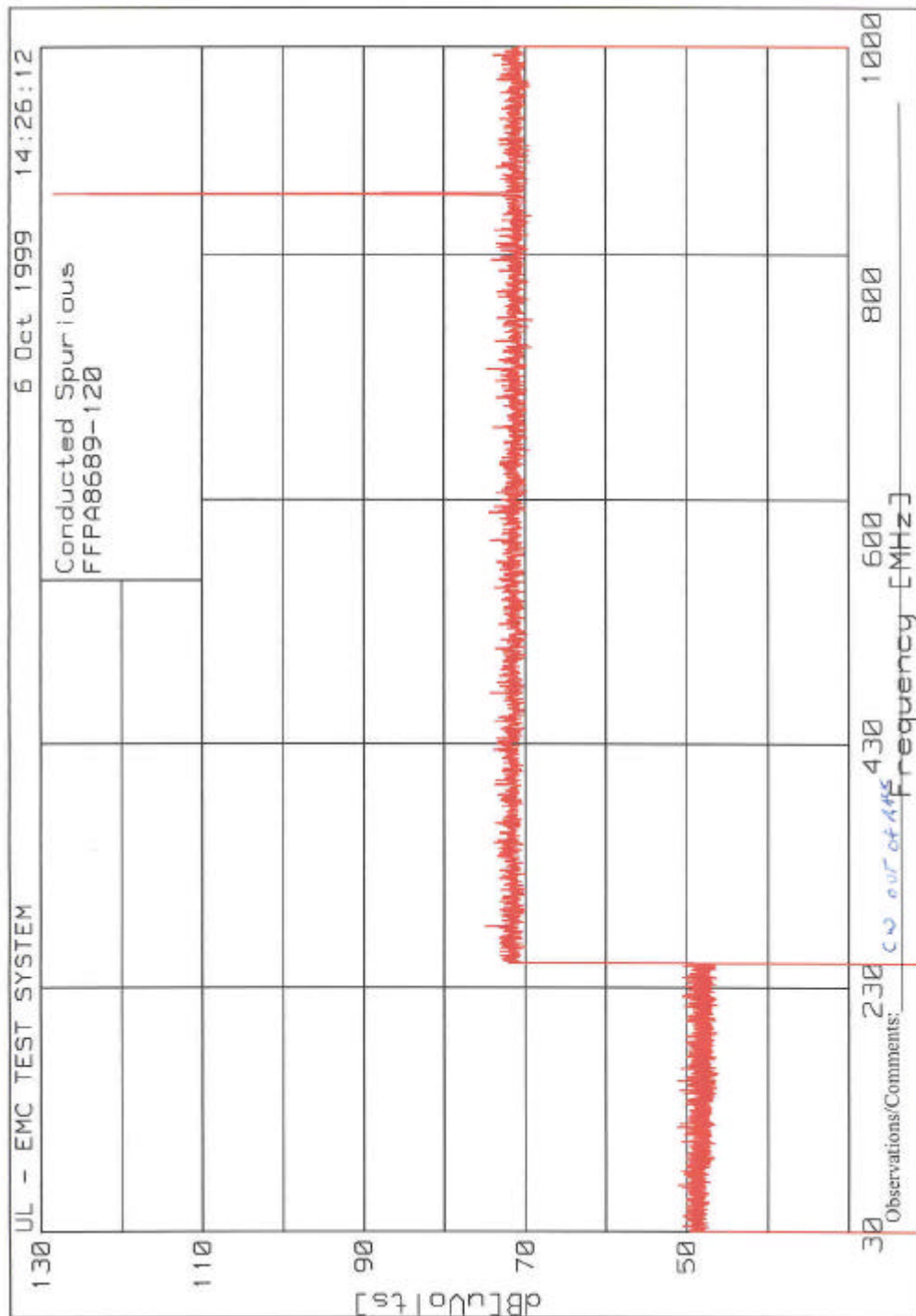
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