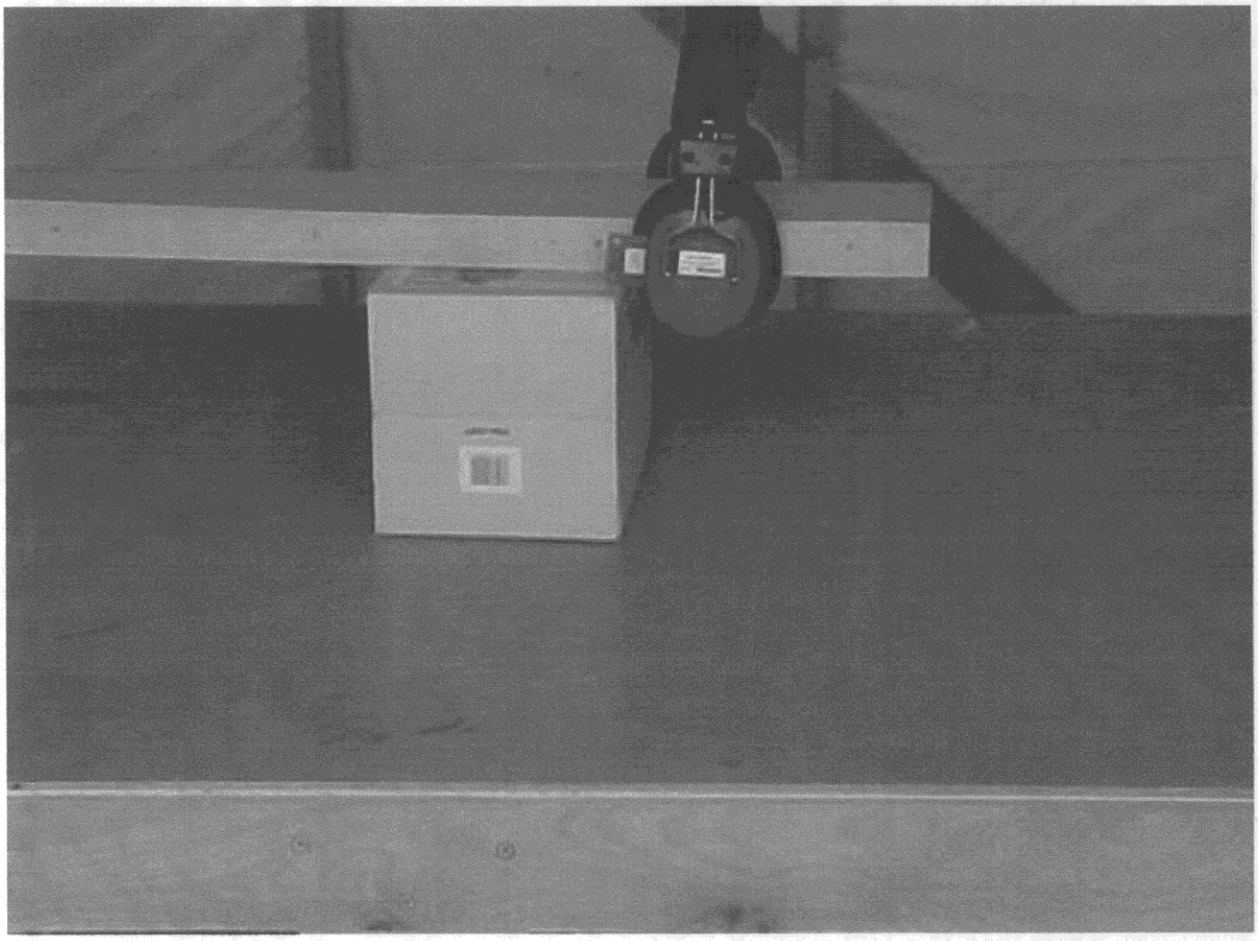

Figure 5 - Radiated Setup (Rear View)

Table 12 - Radiated Emissions Data (790/AM)

| Emission Frequency (MHz) | Det | Antenna Polarity (H/V) | Turntable Azimuth (deg) | Antenna Height (m) | Analyzer Reading (dBµV) | Site Correction Factor (dB/m) | Emission Level (dBµV/m) | EN55022 / CISPR22 Limit (dBµV/m) | EN55022 / CISPR22 Margin (dBµV/m) | Pass/ Fail | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 33.024 | Qp | H | 100 | 1.0 | 26.4 | -2.1 | 24.3 | 30.0 | -5.7 | Pass | |
| 33.130 | Qp | V | 230 | 1.4 | 28.0 | -2.1 | 25.9 | 30.0 | -4.1 | Pass | |
| 44.019 | Qp | H | 230 | 3.7 | 30.8 | -7.1 | 23.7 | 30.0 | -6.3 | Pass | |
| 44.032 | Qp | V | 70 | 2.7 | 32.6 | -7.1 | 25.5 | 30.0 | -4.5 | Pass | |
| 48.011 | Qp | V | 330 | 1.0 | 33.2 | -9.0 | 24.2 | 30.0 | -5.8 | Pass | |
| 73.714 | Qp | V | 170 | 1.3 | 30.4 | -12.9 | 17.5 | 30.0 | -12.5 | Pass | |
| 109.400 | Qp | V | 0 | 1.0 | 26.7 | -7.7 | 19.0 | 30.0 | -11.0 | Pass | |
| 109.405 | Qp | H | 0 | 1.0 | 27.6 | -7.7 | 19.9 | 30.0 | -10.1 | Pass | |

### 4.2.4 Radiated Test Configuration Photographs

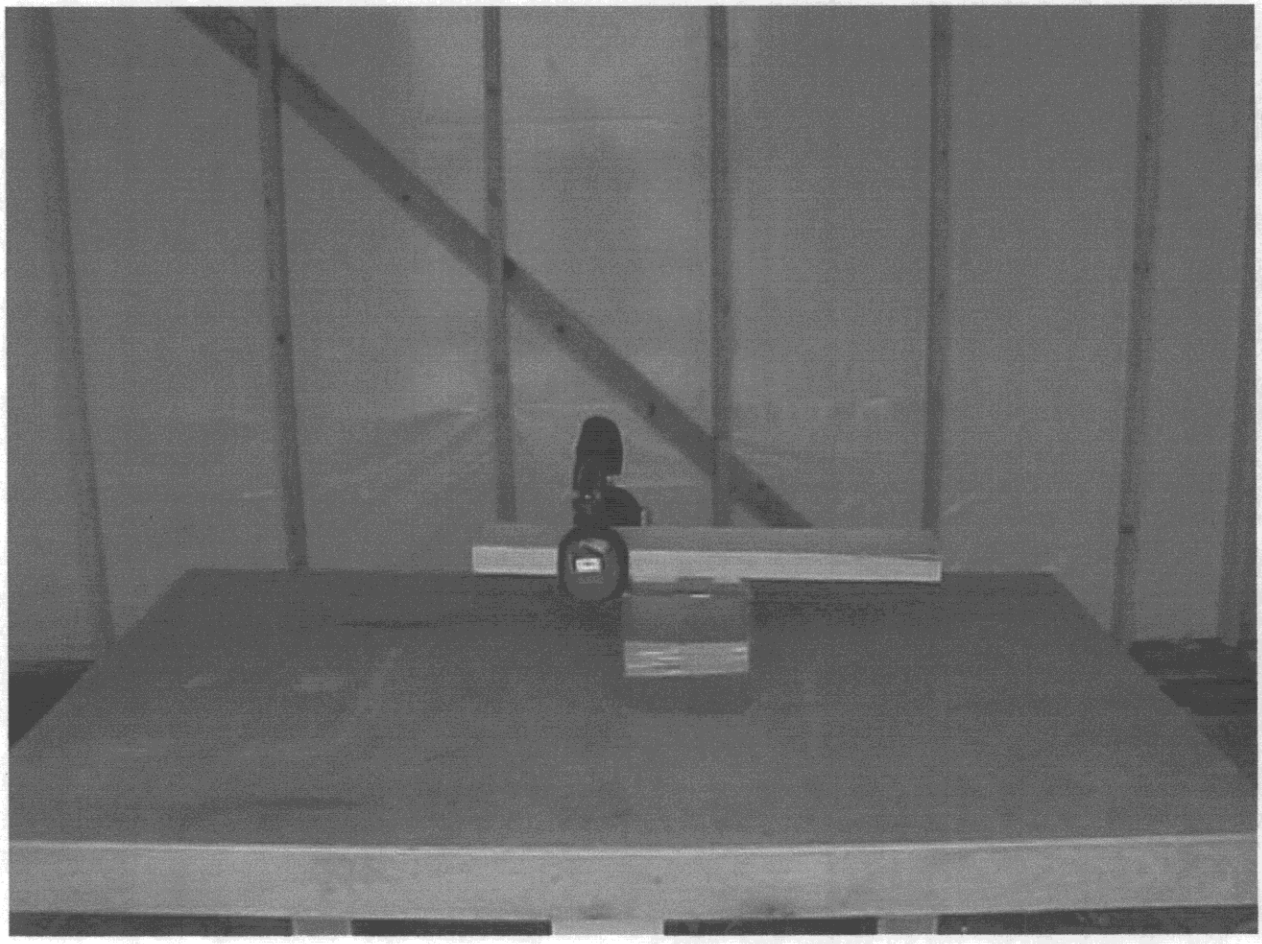

Figure 4 - Radiated Setup (Front View)

### 3.4 Mode of Operation

The EUT was operated with programming cards at each of 3 frequencies required to cover the frequency range of the EUT. A signal generator was used to transmit at these frequencies so that the scanning receiver would be tuned in and demodulating.

### 3.5 Photos of EUT

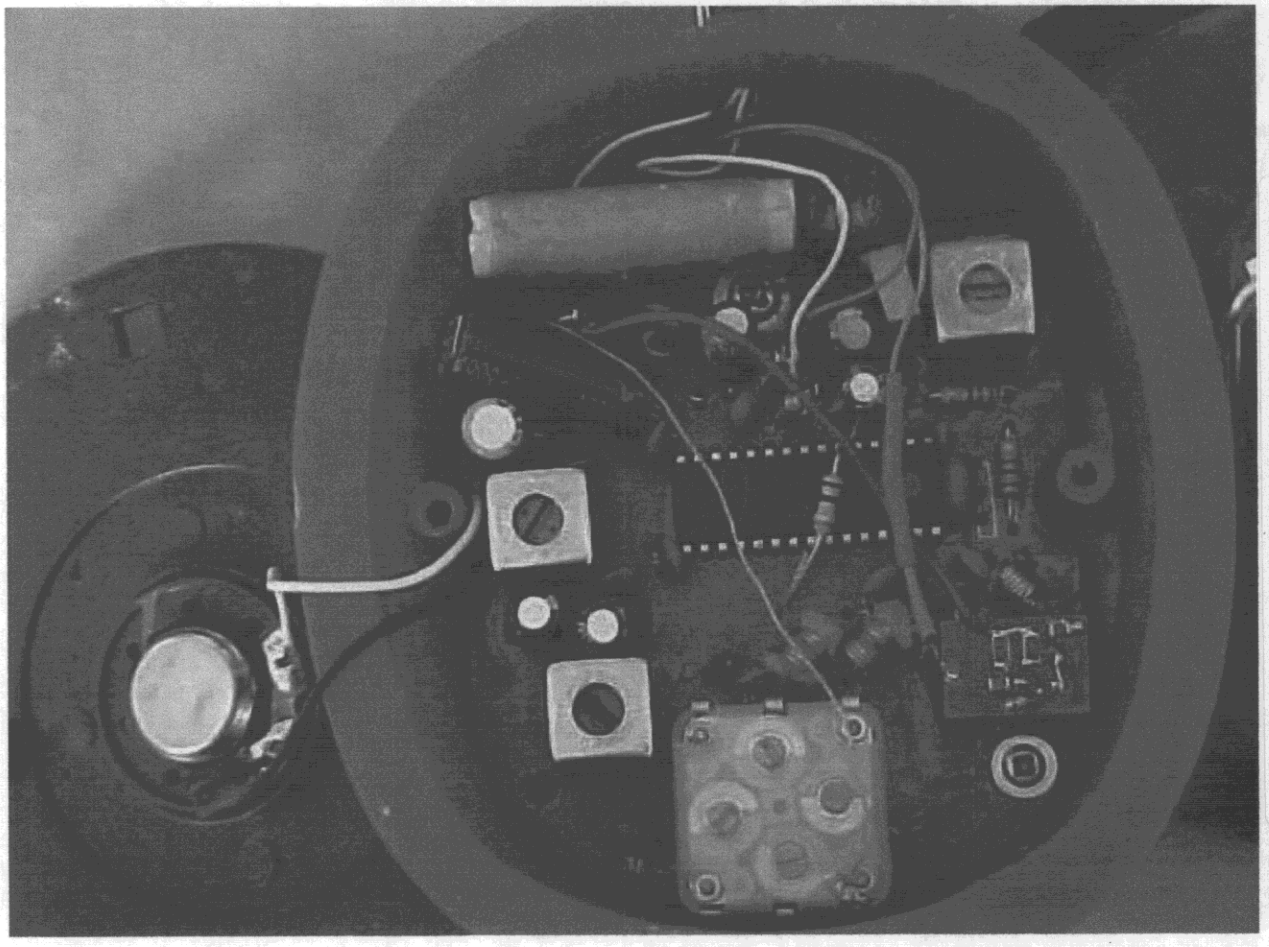

Figure 2 – AM/FM circuit board of EUT

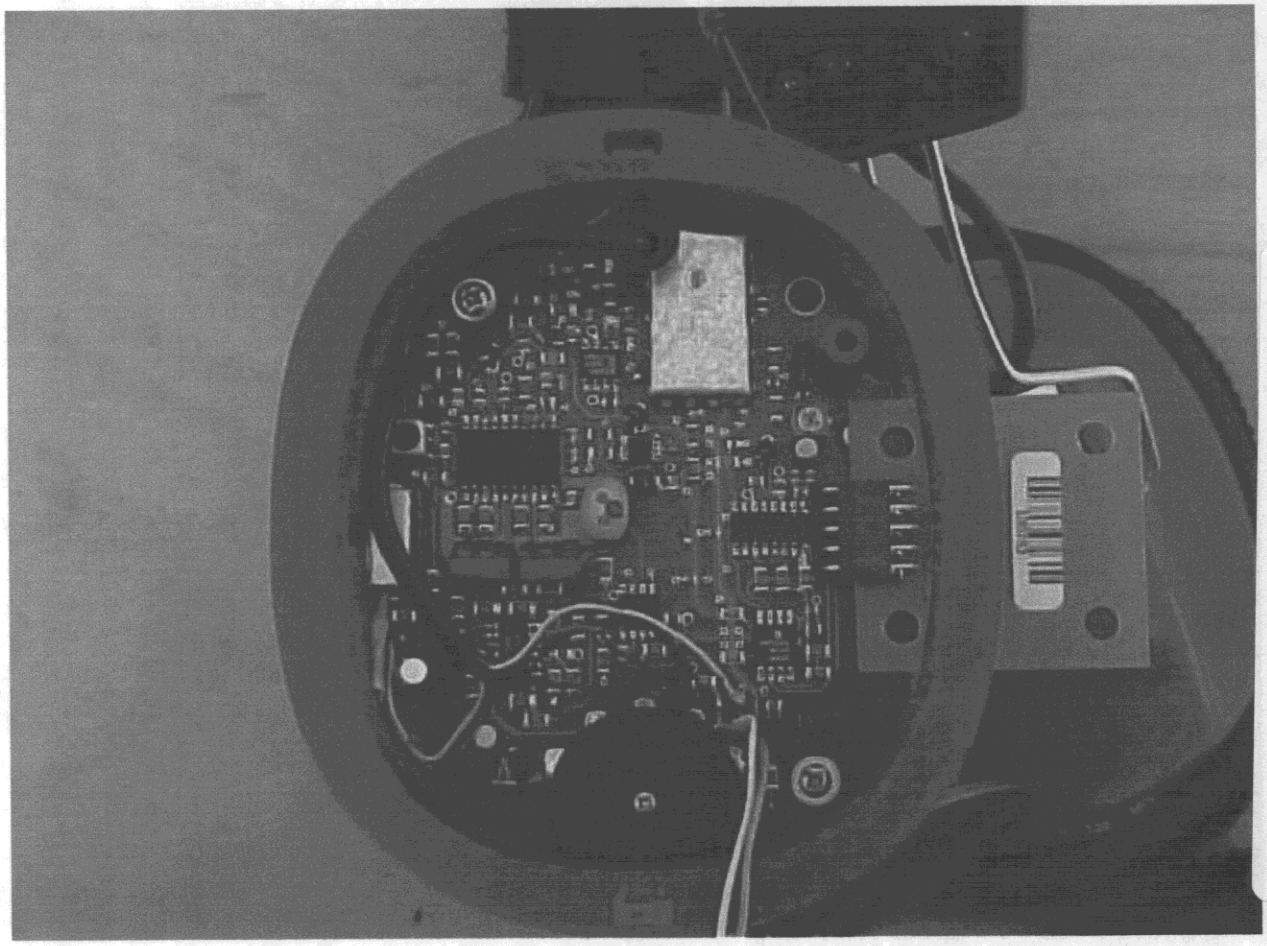

Figure 3 – Scanning Receiver Circuit Board of EUT (w/ programming card inserted)



# 4. Test Results

## *4.1 Emissions Test Methodology*

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 1992 and CISPR 22:1993. Radiated testing was performed at an antenna to EUT distance of 10 meters.

CISPR-22: 1993 was published in its entirety as EN55022: 1994, for use within the European Union, in the *Official Journal of the European Communities*, reference 95C 241/02, 95C 325/05).

RheinTexas, Inc. has implemented procedures to minimize errors that occur from test instruments, calibration, procedures, and test setups. Test instrument and calibration errors are documented from the manufacturer or calibration lab. Other errors have been defined and calculated within the RheinTexas quality manual. RheinTexas implements these procedures to minimize errors that may occur: The highlights of the procedures are yearly as well as daily calibrations, technician training, and emphasis to employees on avoiding error.

### 4.1.1 Deviations from Test Methodology

There were no deviations from the test methodology during this test