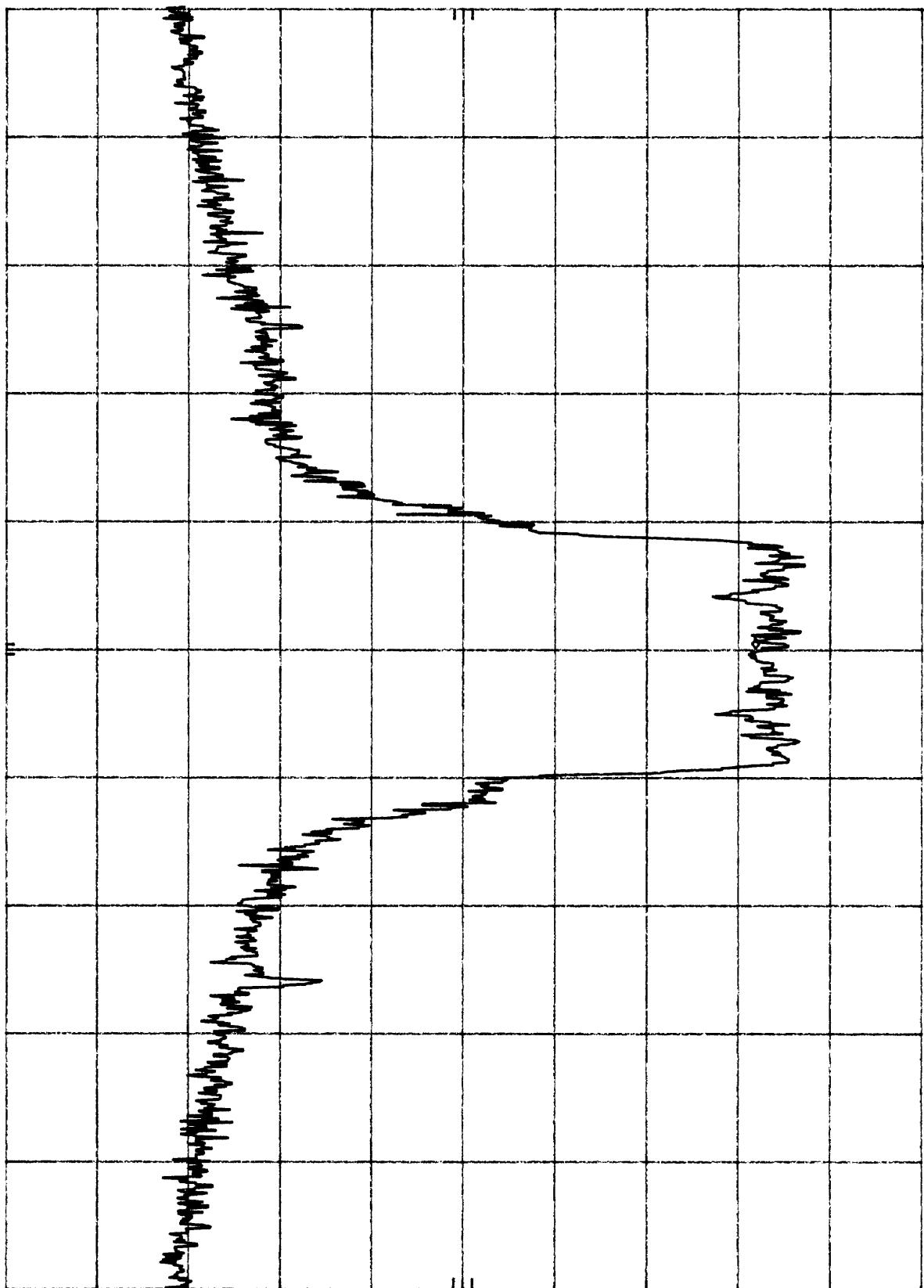


4' DEN input

MKR 806.060 4 MHz
-27.70 dBm

HP REF -9.6 dBm ATTEN 10 dB
10 dB/

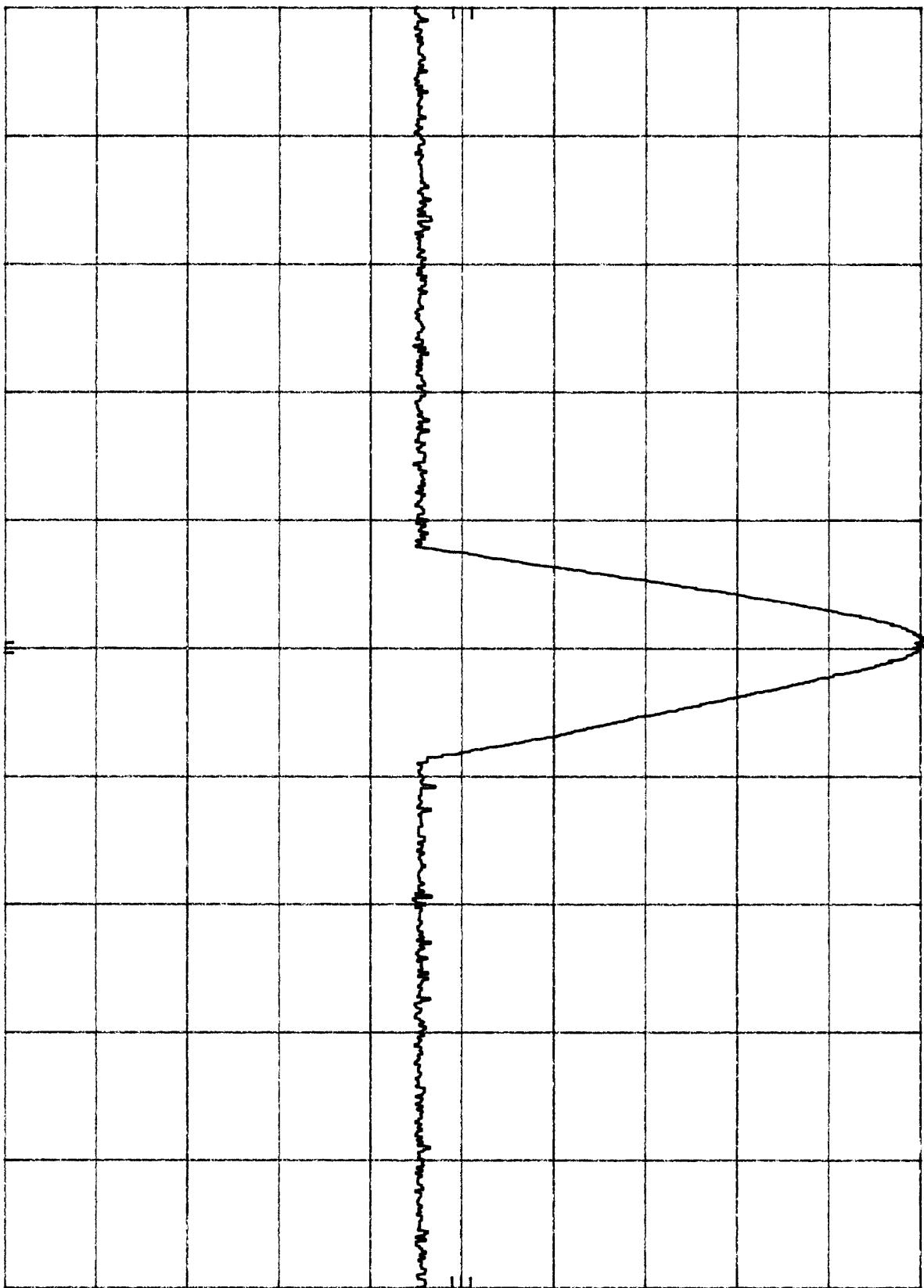


CENTER 806.061 MHz RES BW 300 Hz VBW 30 kHz SPAN 100 kHz SWP 3.00 sec

CDEN input

MKR 805.5 MHz
-9.20 dBm

HP REF -9.6 dBm ATTEN 10 dB
10 dB/



CENTER 806 MHz RES BW 3 MHz
VBW 3 MHz

SPAN 100 MHz
SWP 20.0 msec

ORA Electronics, IDEN Amplifier

Date of Test: December 30, 1998 - March 18, 1999

1.0 Introduction

This report is designed to show compliance with the FCC Part 2.1091 Radio Frequency Radiation Exposure Evaluation for mobile and unlicensed devices. The test procedures and limits, as described in American National Standards Institute C95.1-1992, were employed. A description of the product and operating configuration, the various provisions of the rules, the methods for determining compliance, and a detailed summary of the results are included within this test report.

2.0 Description of Equipment

The ORA Electronics Model IDR 3000 is a 2 watts RF IDEN amplifier used only with Motorola iDEN telephones with frequency Uplink range from 806 to 821 MHz(2 watts output) and Downlink range from 851-866 MHz(30mW output).

The amplifier is used with antenna with the following specification:

1. Antenna Type: Monopole Omni
2. Frequency Range: 800- 870 MHz
3. Gain: 6 dBi

3.0 Test Summary

The IDEN amplifier was tested by Intertek Testing Services as documented herein, and the energy emitted by the EUT was found to be below the recommended levels of Maximum Permissible Exposure for Uncontrolled Environments in FCC 1.1310 (ANSI C95.1:L 1992).

Therefore, in reference to the limits set forth in FCC 1.1310 use of the equipment is deemed to be safe with respect to human exposure to Radio Frequency Electromagnetic Fields, when used in a normal fashion.

Note:

The IDEN amplifier was tested with the antenna having 6 dBi gain and the emitted power density was found 10 dB below the limit (at 0.2m distance). Therefore, the amplifier can be used with any antenna having the gain less than 16 dBi.