

APPLICANT:
ERICSSON GE MOBILE COMMUNICATIONS INC.

FCC ID NO.
AXATR-197-A2

SPURIOUS EMISSIONS

Reference 2.991 spurious emissions at the antenna terminals (conducted) when properly loaded with an appropriate artificial antenna were measured per EIA RS-152B, Paragraph 4.3.

Results are as shown in the following Exhibits:

<u>Exhibit</u>		<u>Carrier Frequency</u>
11B	AXATR-197-A2	136 MHz, 50 Watts
11C	AXATR-197-A2	136 MHz, 125 Watts
11D	AXATR-197-A2	174 MHz, 50 Watts
11E	AXATR-197-A2	174 MHz, 125 Watts

Equipment used was:

Hewlett Packard Spectrum Analyzer 140T Display, 8554-B-RF, 8552B-IF.

Reference 2.993 field strength of spurious radiations was measured on our three meter range. The site and equipment are described in the site description and attenuation measurements for the Ericsson/GE three meter radiation site #2 filed with the FCC in Columbia, Maryland, in November of 1990. The measurement procedure is per EIA RS-152B, but done on a three meter test site. Results are shown on the following Exhibits:

<u>Exhibits</u>		<u>Carrier Frequency</u>
11F	AXATR-197-A2	136 MHz, 50 Watts
11G	AXATR-197-A2	136 MHz, 125 Watts
11H	AXATR-197-A2	174 MHz, 50 Watts
11I	AXATR-197-A2	174 MHz, 125 Watts

CONDUCTED SPURIOUS OUTPUT
RXPTR-197-A2
MEASURED PER EIA RS152B
CARRIER FREQ (MHZ)=136
CARRIER POWER (WATTS)=50
REV
10-19-91

FCC LIMIT (DB)=59.99

LEVEL IN DB BELOW CARRIER

0
10
20
30
40
50
60
70
80
90
100
110

50

100

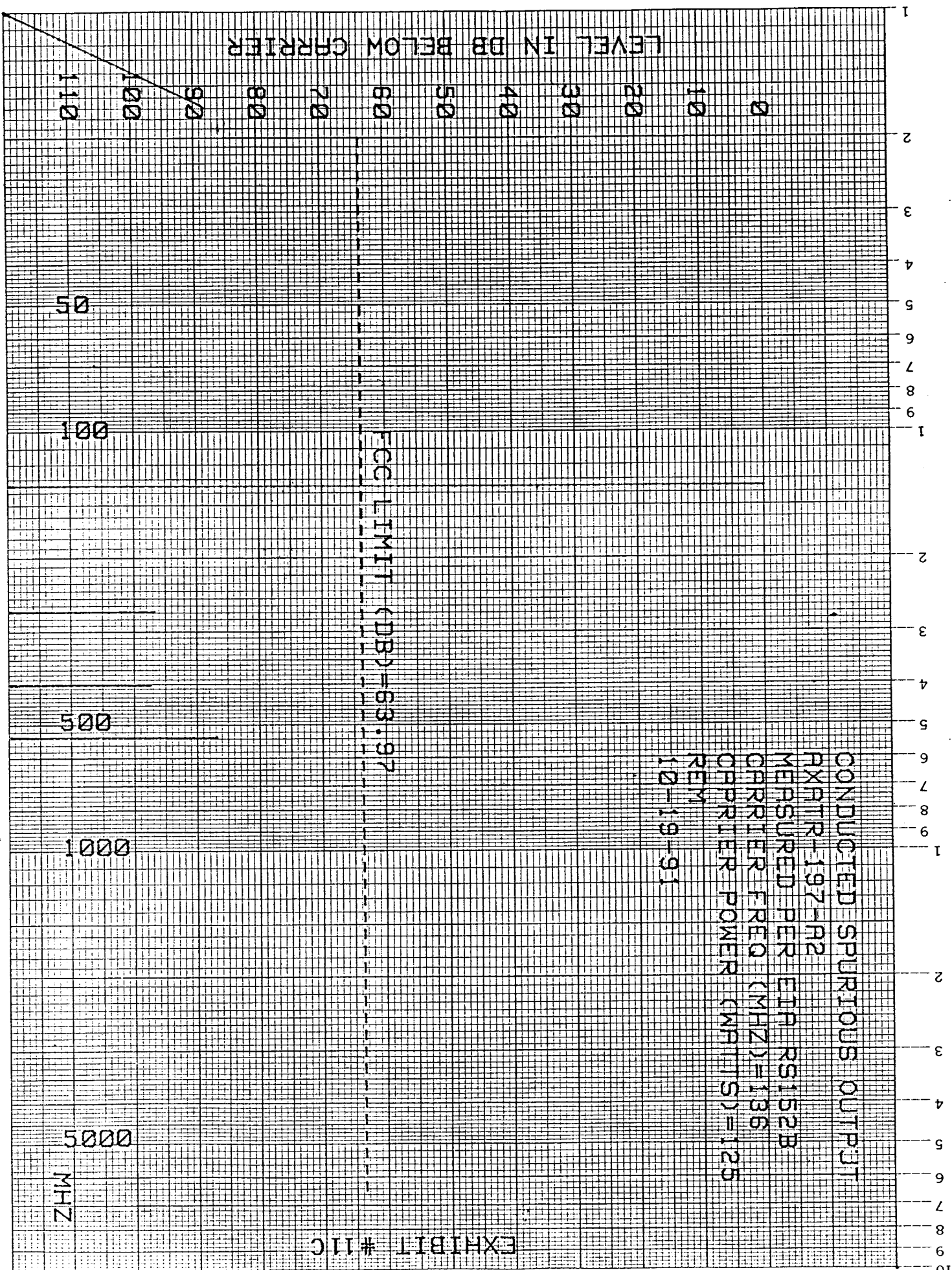
500

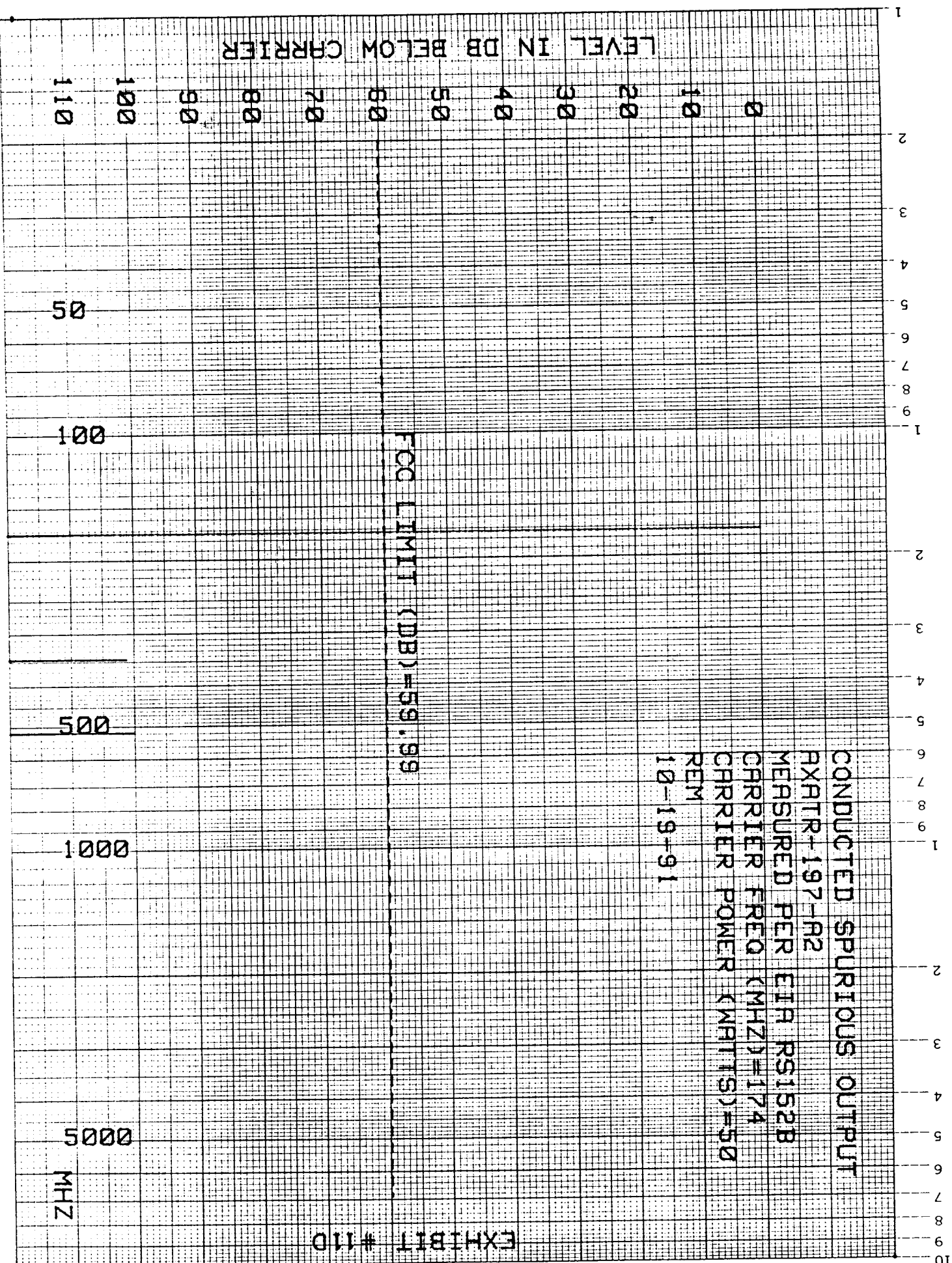
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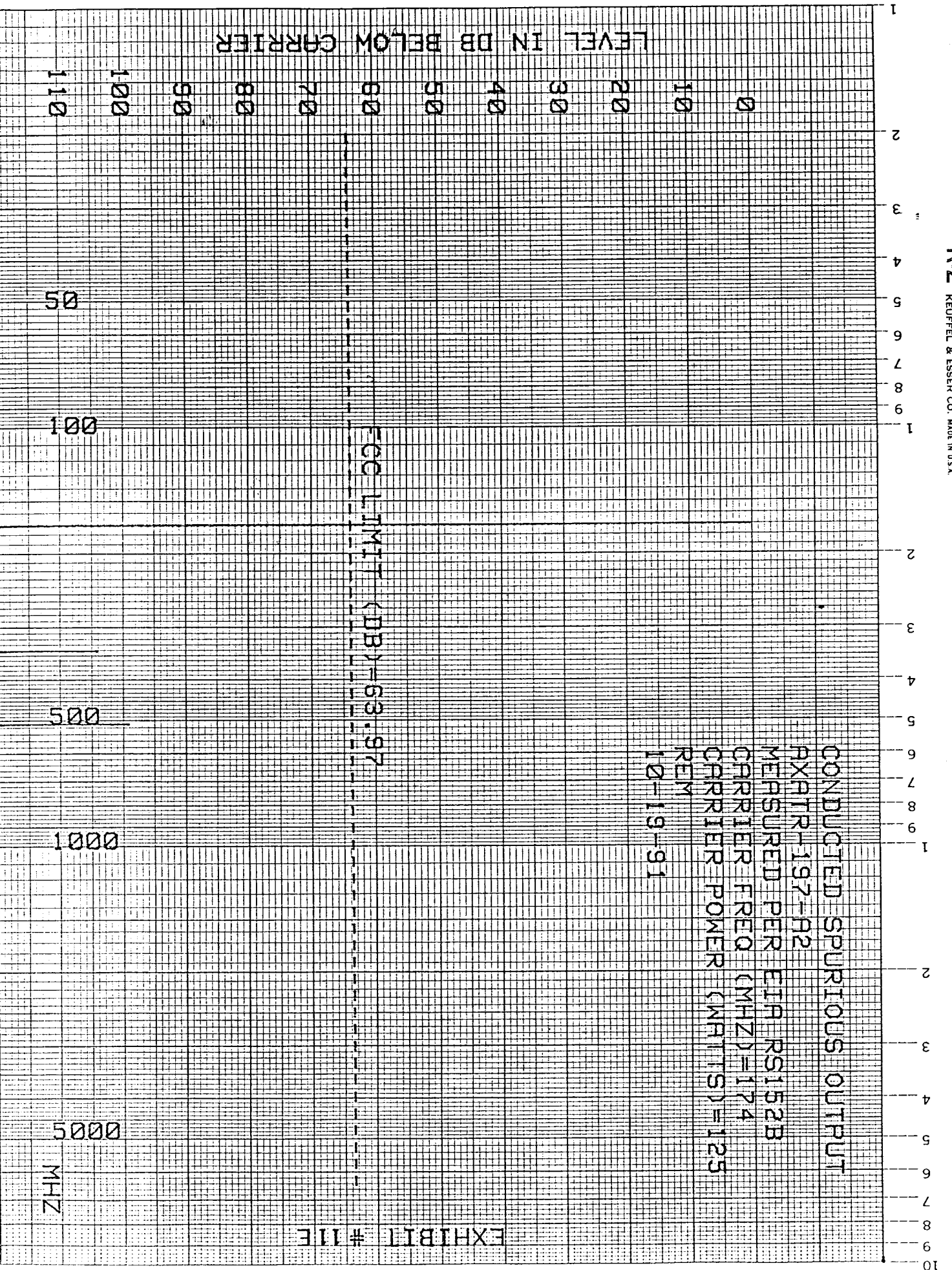
5000

MHZ

EXHIBIT # 11B







RADIATED SPURIOUS EMISSIONS

EXHIBIT-197-R2

CARRIER: 50.000watts at 136.000MHz

REM 10-19-91

FCC LIMIT EIRP = -13dBm

EFFECTIVE DIPOLE RADIATED POWER IN dBm

-100
-90
-80
-70
-60
-50
-40
-30
-20
-10

25

100

250

1000

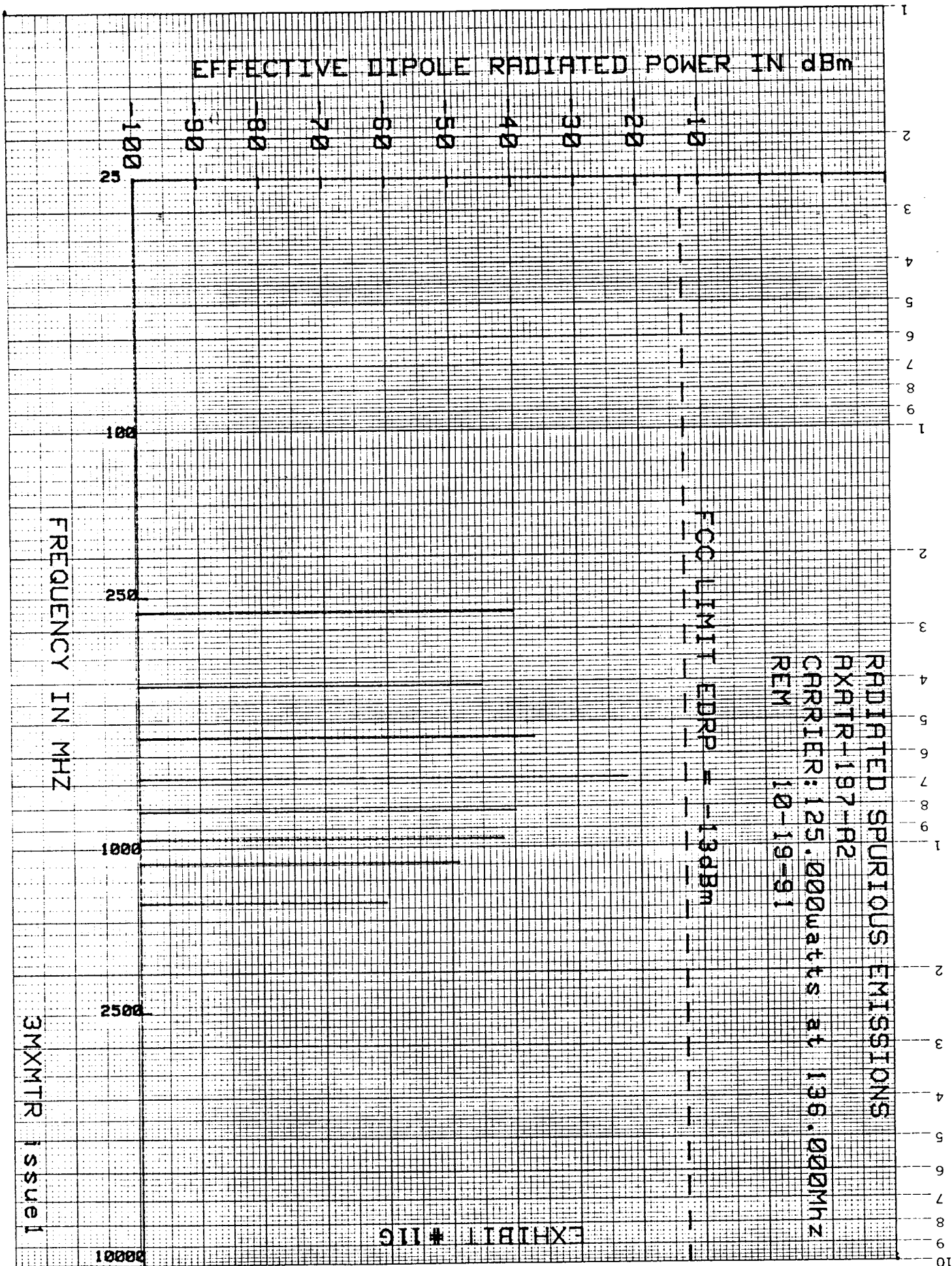
2500

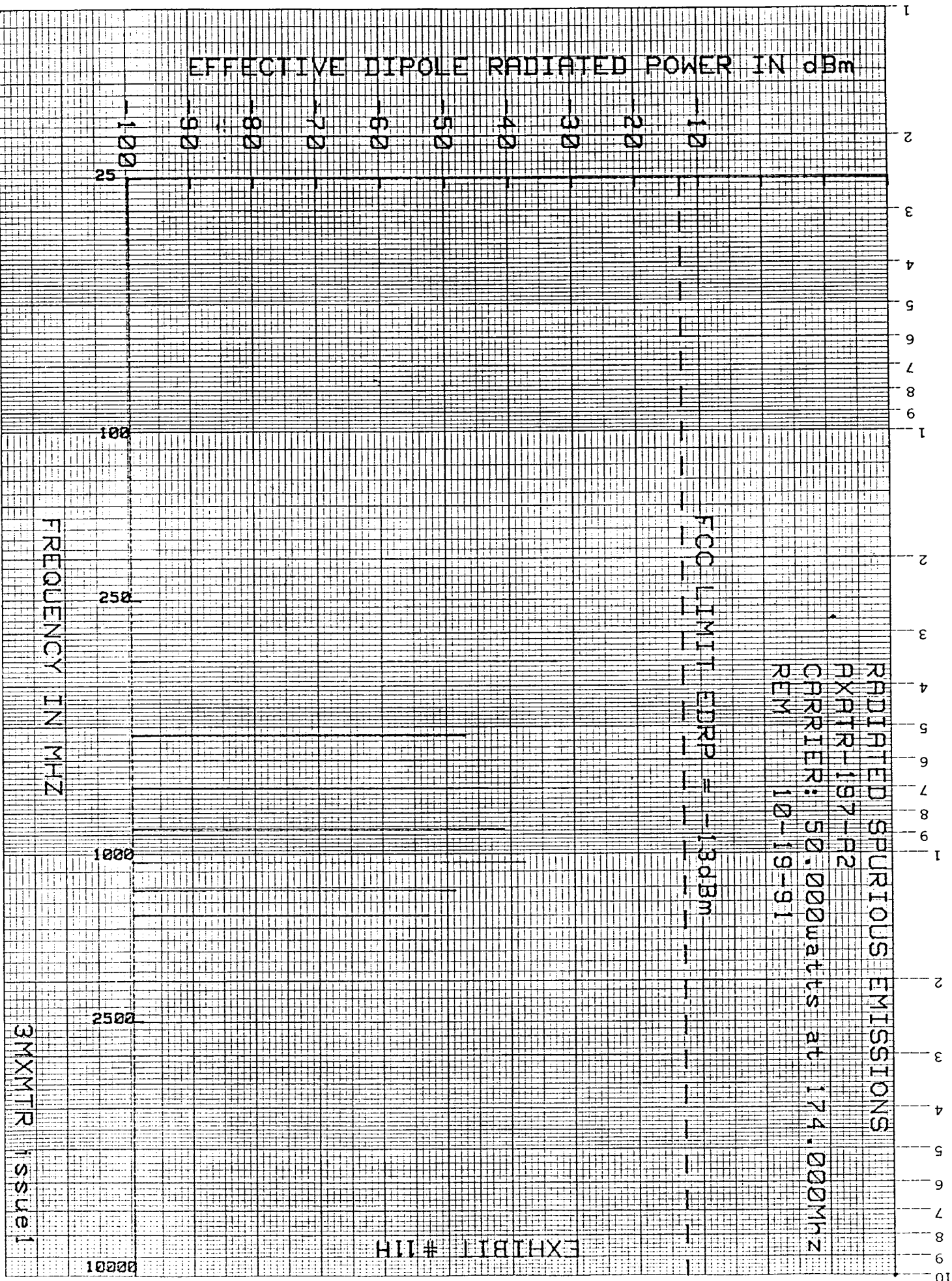
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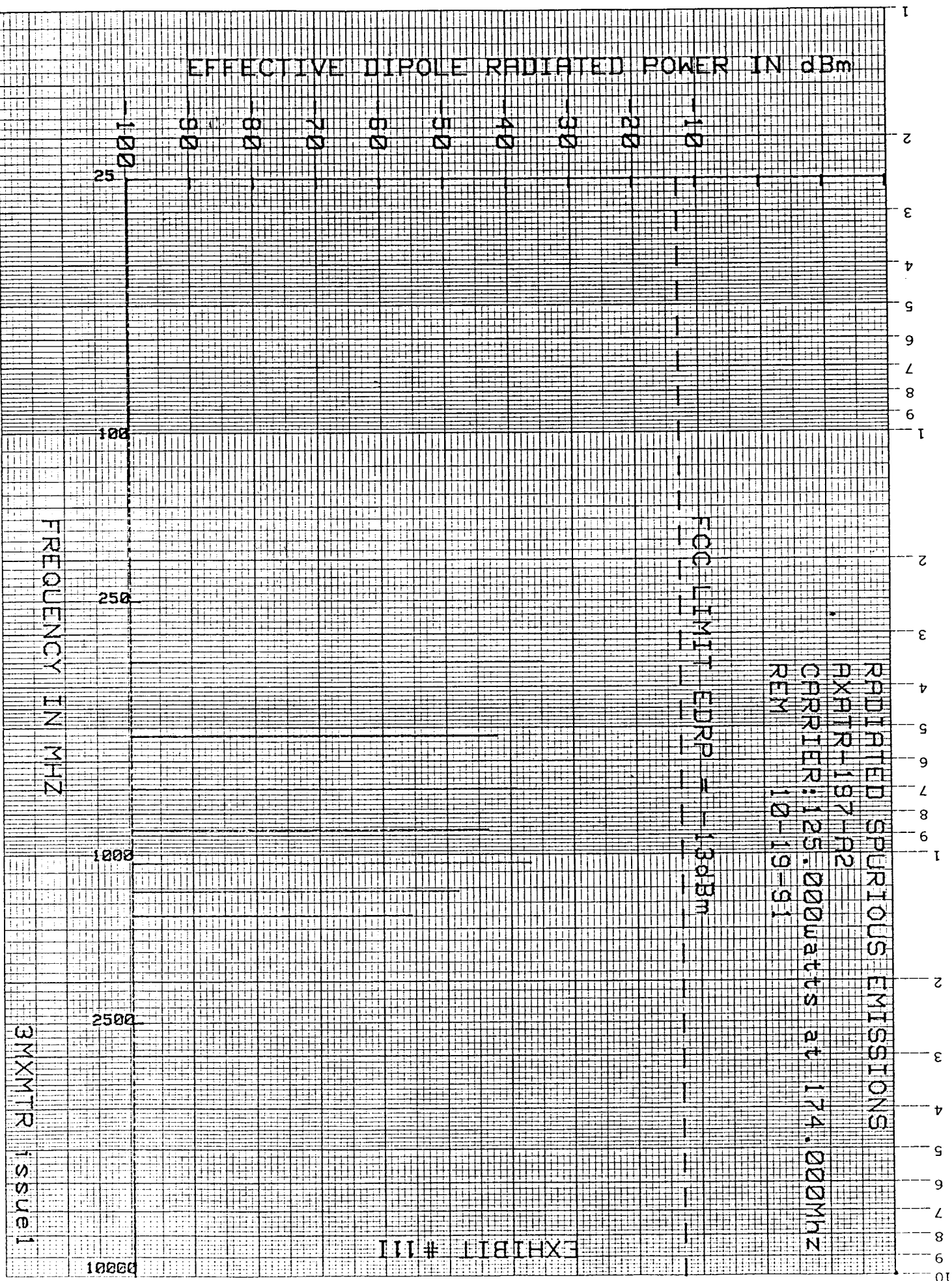
FREQUENCY IN MHZ

3MXMTR Issue 1

EXHIBIT #111F







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FREQUENCY STABILITY

Paragraph (a, 1) (b) (d, 1) variation of output frequency as a result of either temperature or voltage variation is reported in the graphs on the following sheets.

Frequency Stability:

Measurement Procedure: Please reference amended KT-140-A filing for Supplemental Report on Oscillator Measurements.

Exhibit 12B
Exhibit 12C

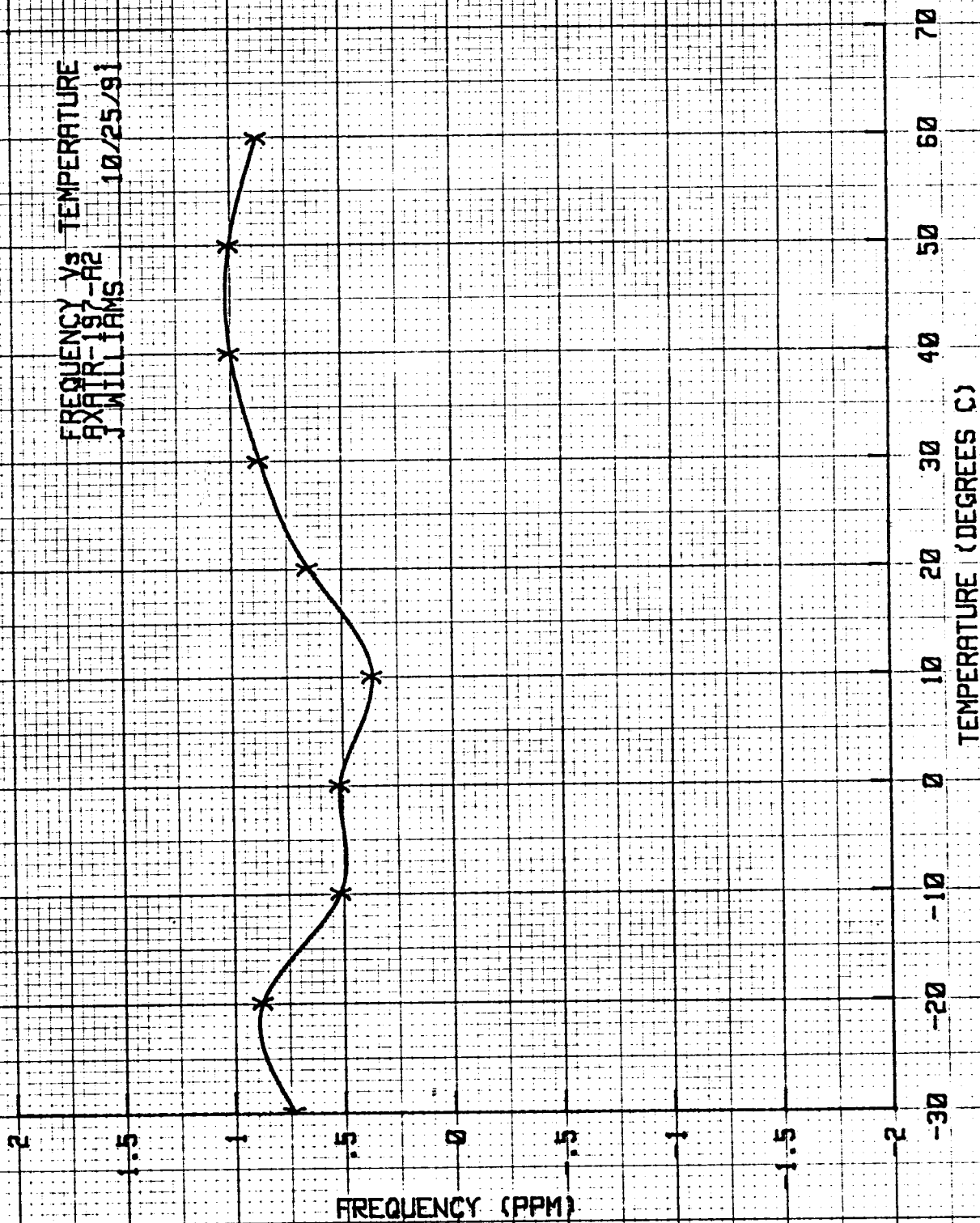
Frequency Versus Temperature
Frequency Versus Voltage

Test Equipment Used:

Symec-Quartz Thermometer
Hewlett Packard Counter
Fluke Digital Multimeter
Delta Temperature Chamber

Model 2800A
Model 5245L
Model 8100A
MK2300

FREQUENCY V₃ TEMPERATURE
 AXAIR-197-A2
 J WILLIAMS 10/25/91



FREQUENCY VS VOLTAGE
 EXAIR-187-A2
 J. WILLIAMS 10/25/91

FREQUENCY (PPM)

SUPPLY VOLTAGE (VOLTS DC)

17

16

15

14

13

12

11

2

1.5

1

0.5

0

0.5

1

1.5

2

EXHIBIT 13

APPLICANT:
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FCC ID NO.
AXATR-197-A2

IDENTIFICATION NAMEPLATE

ERICSSON GE

COMB:
SER#: 7654321



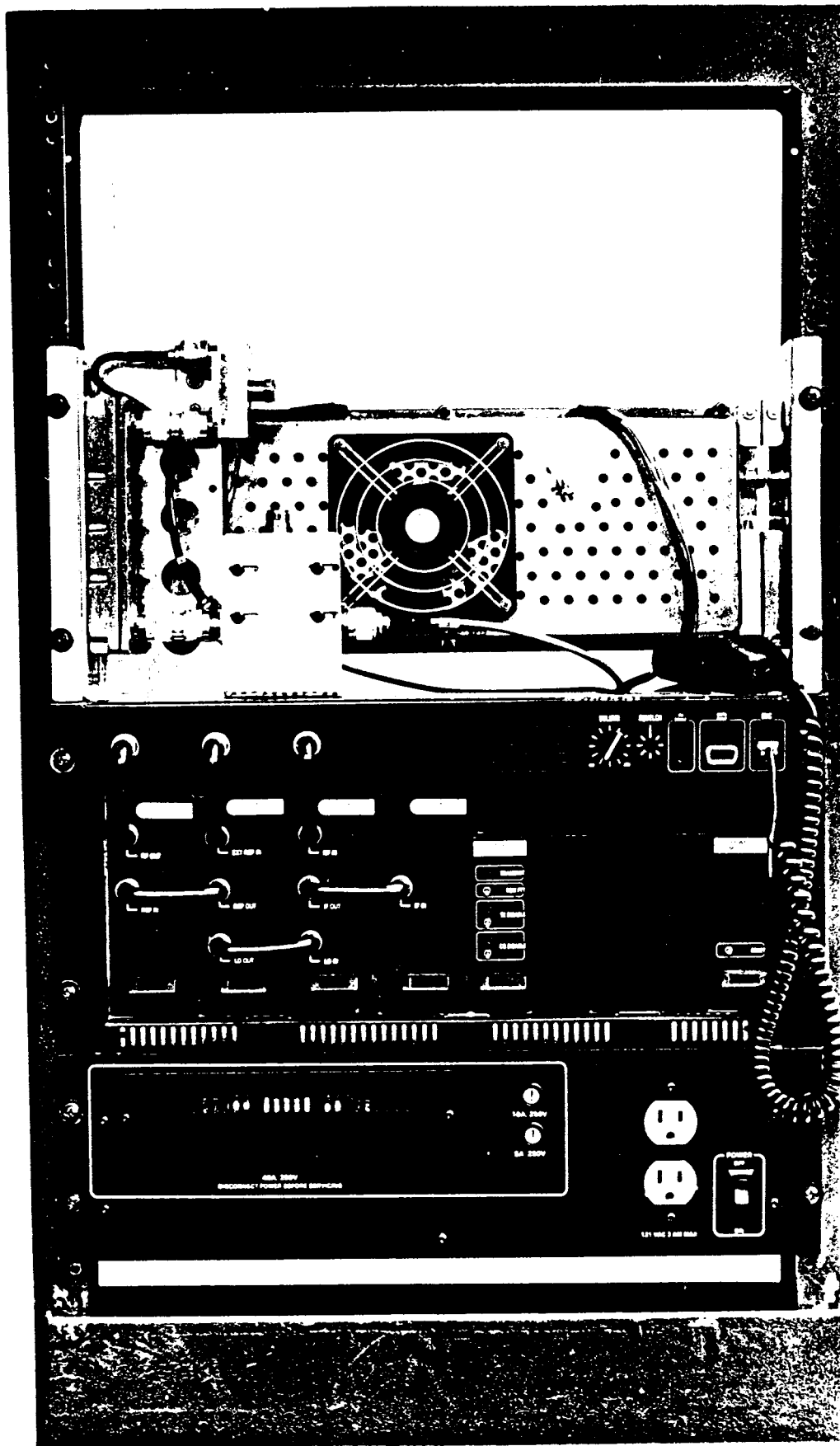
FCC ID: AXATR-197-A2

DOC:
INPUT:
120/240 VAC Single Phase 60 HZ
9/5 A 1100 W

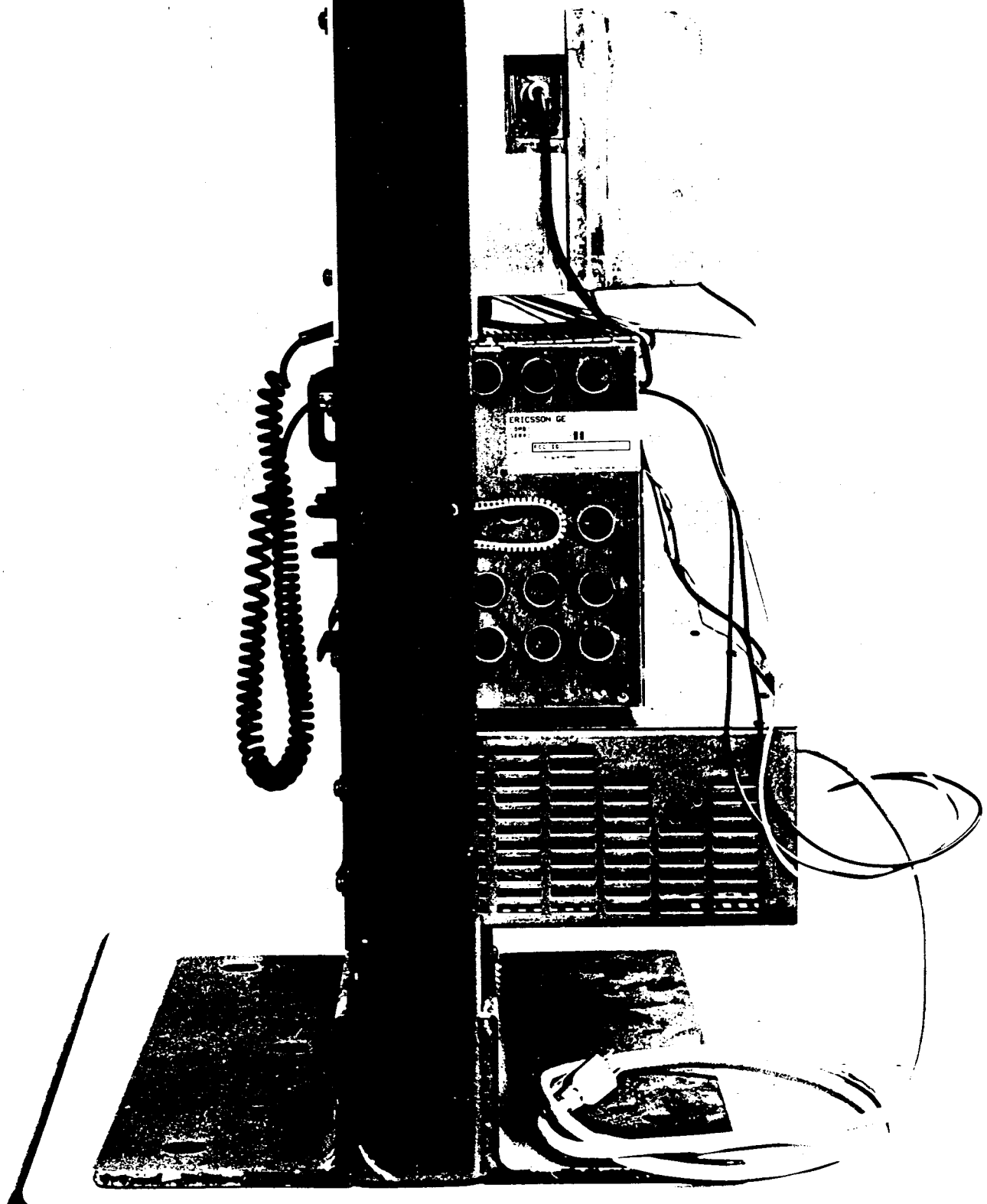
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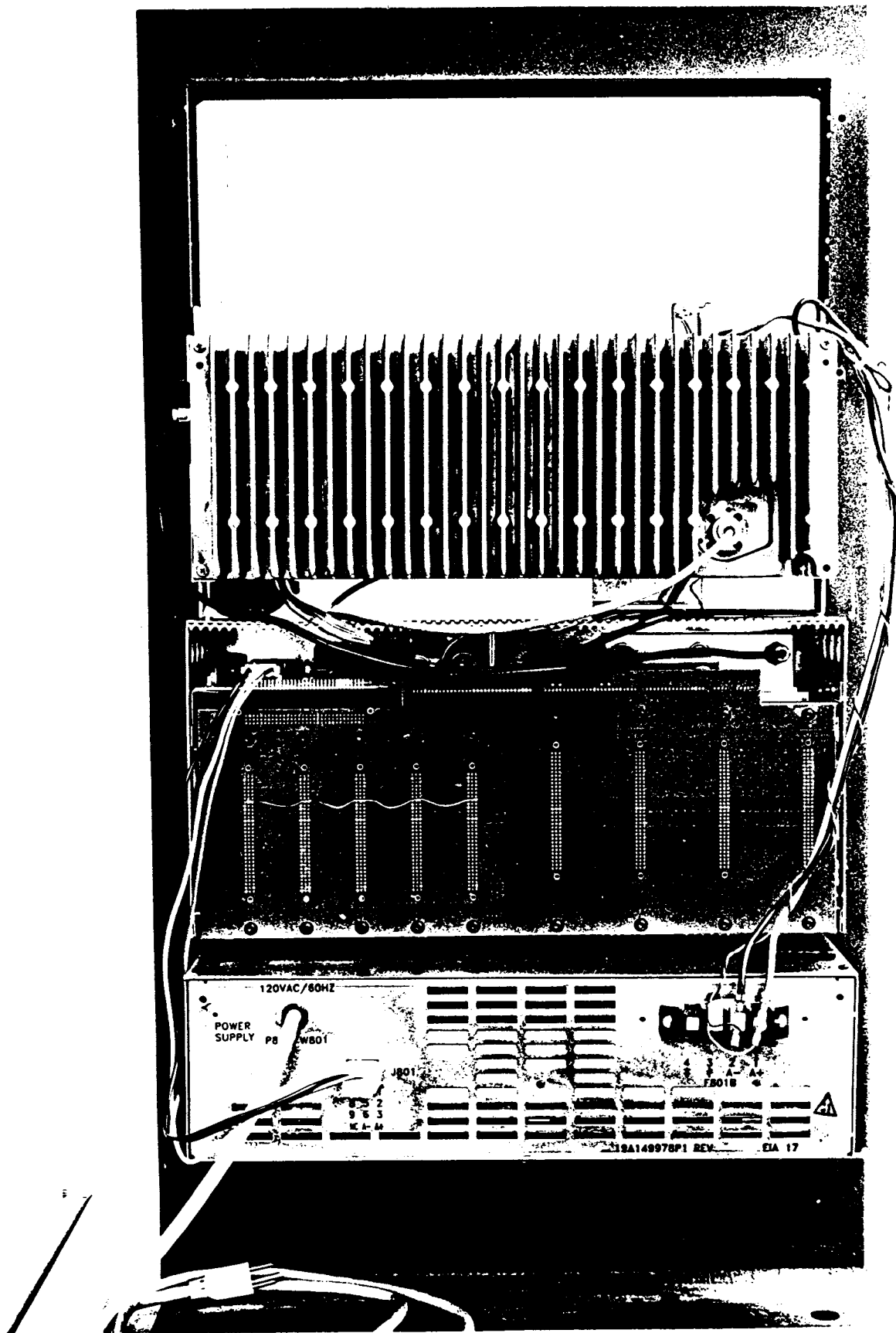
MADE IN LYNCHBURG, VA. USA

14A

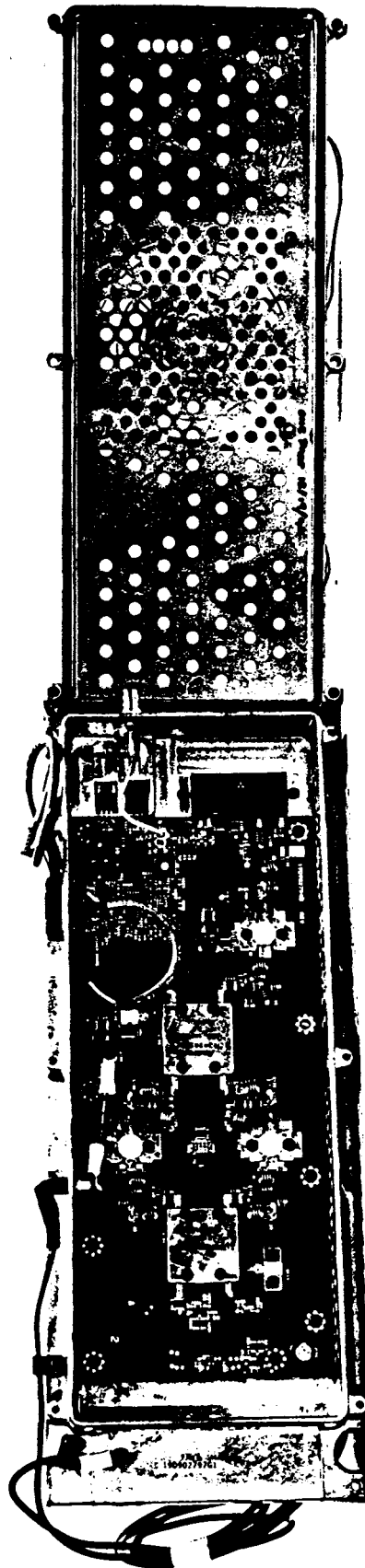


14B

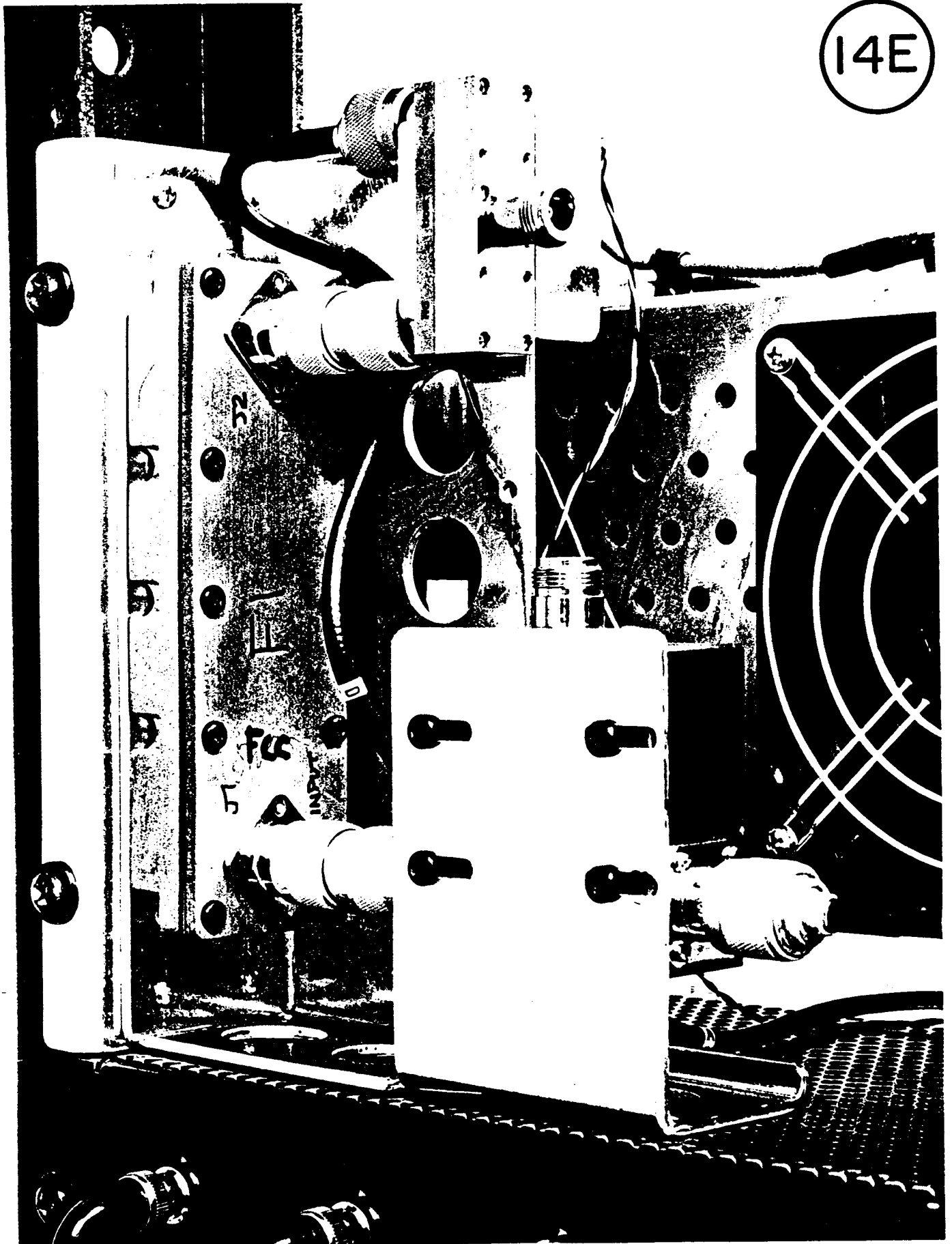




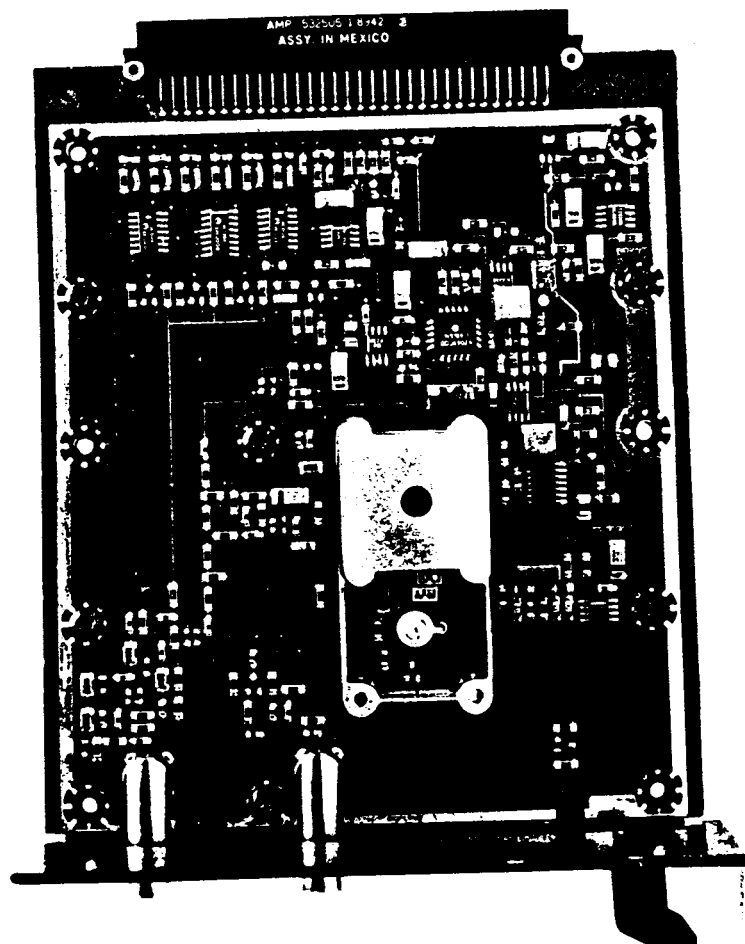
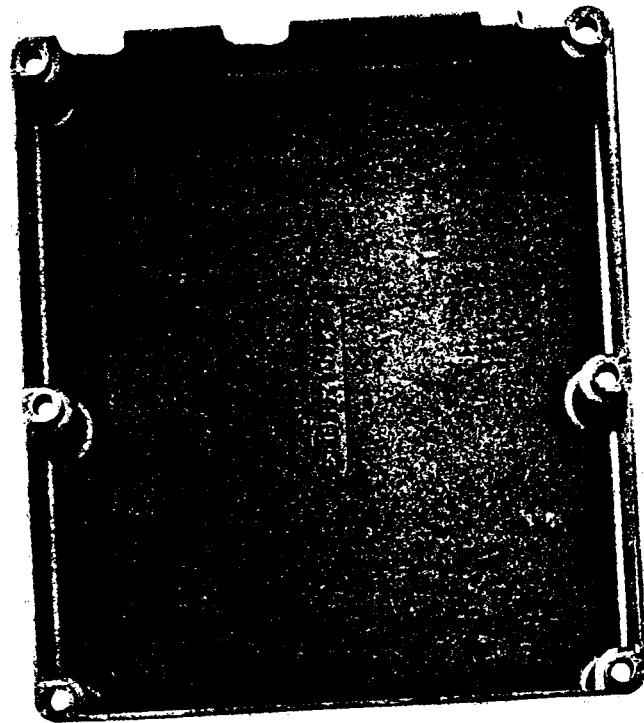
14D



14E



14F

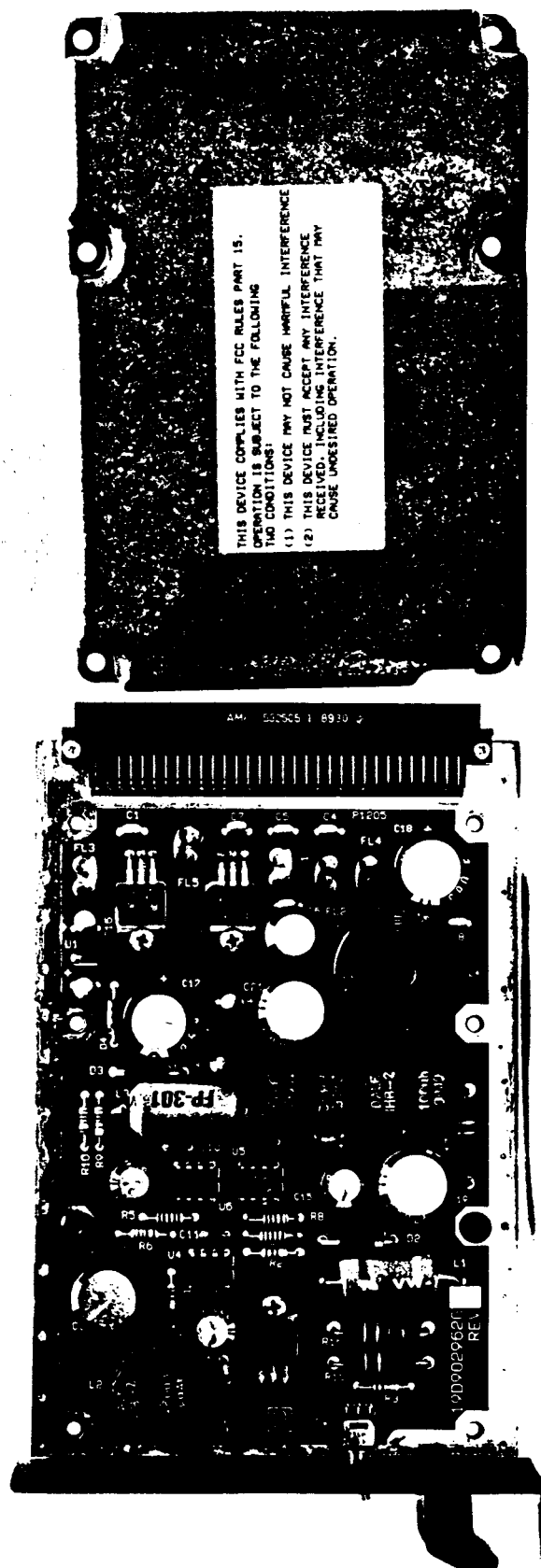


14G

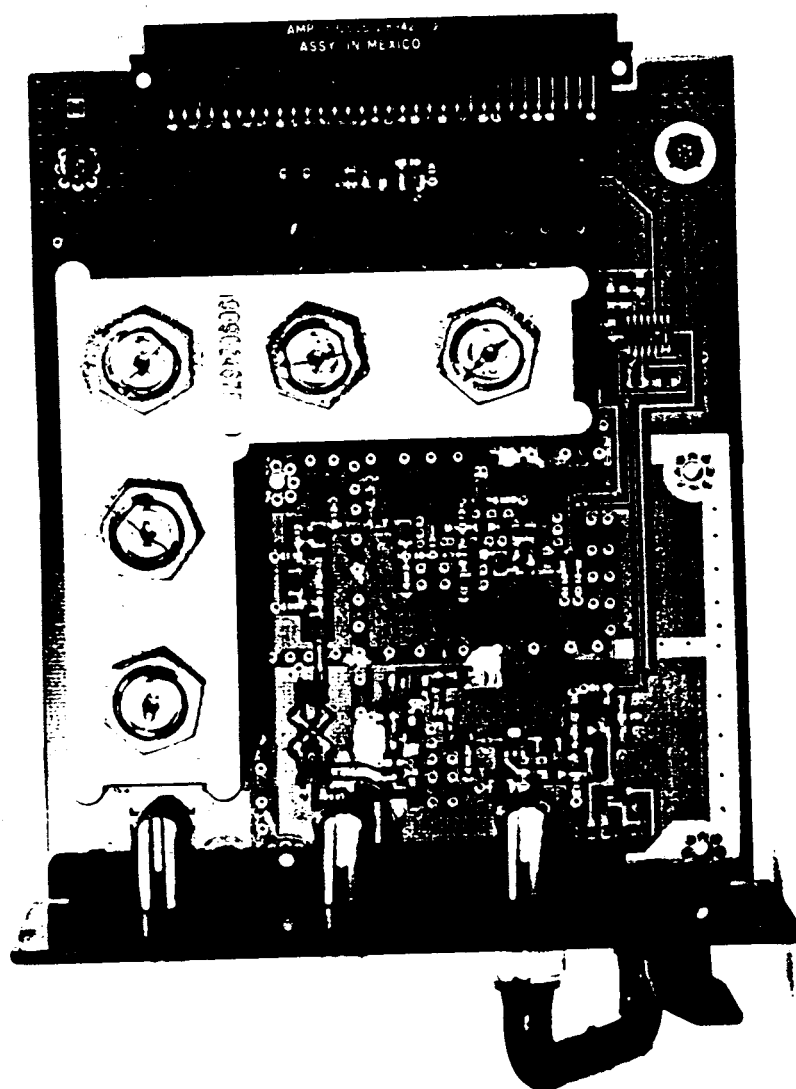
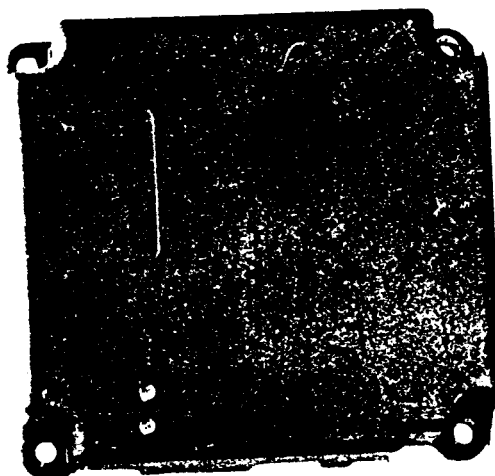
THIS DEVICE COMPLIES WITH FCC RULES PART 15.
OPERATION IS SUBJECT TO THE FOLLOWING
TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE
RECEIVED, INCLUDING INTERFERENCE THAT MAY
CAUSE UNDESIRABLE OPERATION.

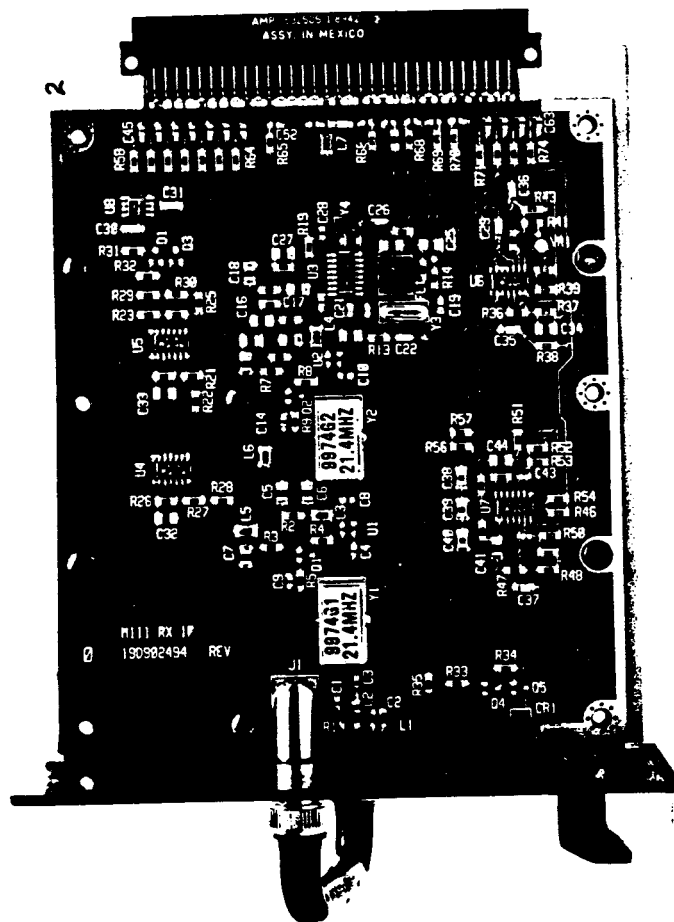
14H



14I



14J



14K

