

FCC Part 15 Certification
Test Report

**5.8 GHz Digital Transmission System
Radio Module**

FCC ID: HSW-5811M

FCC Rule Part: 15.247

ACS Report Number: 03-0143-15BC

Manufacturer: Cirronet, Inc.

Model: WIT5811

Data Plots A

**Antenna Conducted
Spurious Emissions**

Data Plots

ACS Report Number: 03-0143-15BC

Manufacturer: Cirronet, Inc.
Model: WIT5811

**Test: Antenna Conducted Spurious
Emissions**
Channel: Low

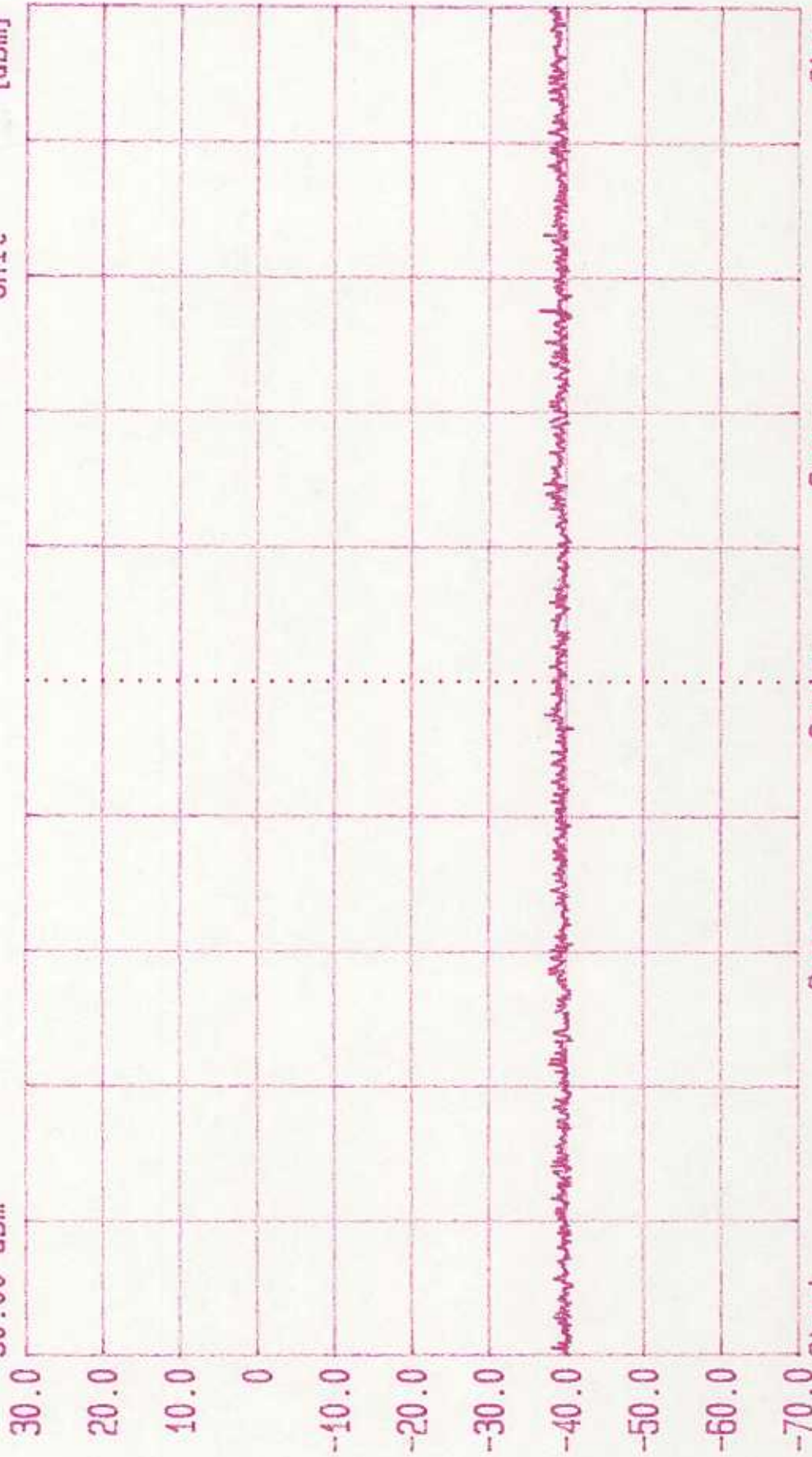


Date 17. Jan. '87 Time 00:44:41

Ref. Lvl
30.00 dBm

Res. Bw 100.0 kHz [3dB]
TG. Lvl off
CF. Stp 497.000 MHz

Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]



Start
0.030 GHz

Span
4.97 GHz

Center
2.515 GHz

Sweep
1.50 s

Stop
5 GHz



Date 17. Jan. '87 Time 00: 48: 01
Ref. Lvl 30.00 dBm
Marker 19.72 dBm
5.7277 GHz

Res. Bw 100.0 kHz [3dB]
1G. Lvl Off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]





Date 17. Jan. '87 Time 01:13:32

Ref. Lvl 30.00 dbm

Marker

-23.75 dbm

5.1732569 GHz

Res. BW 100.0 kHz [3dB]

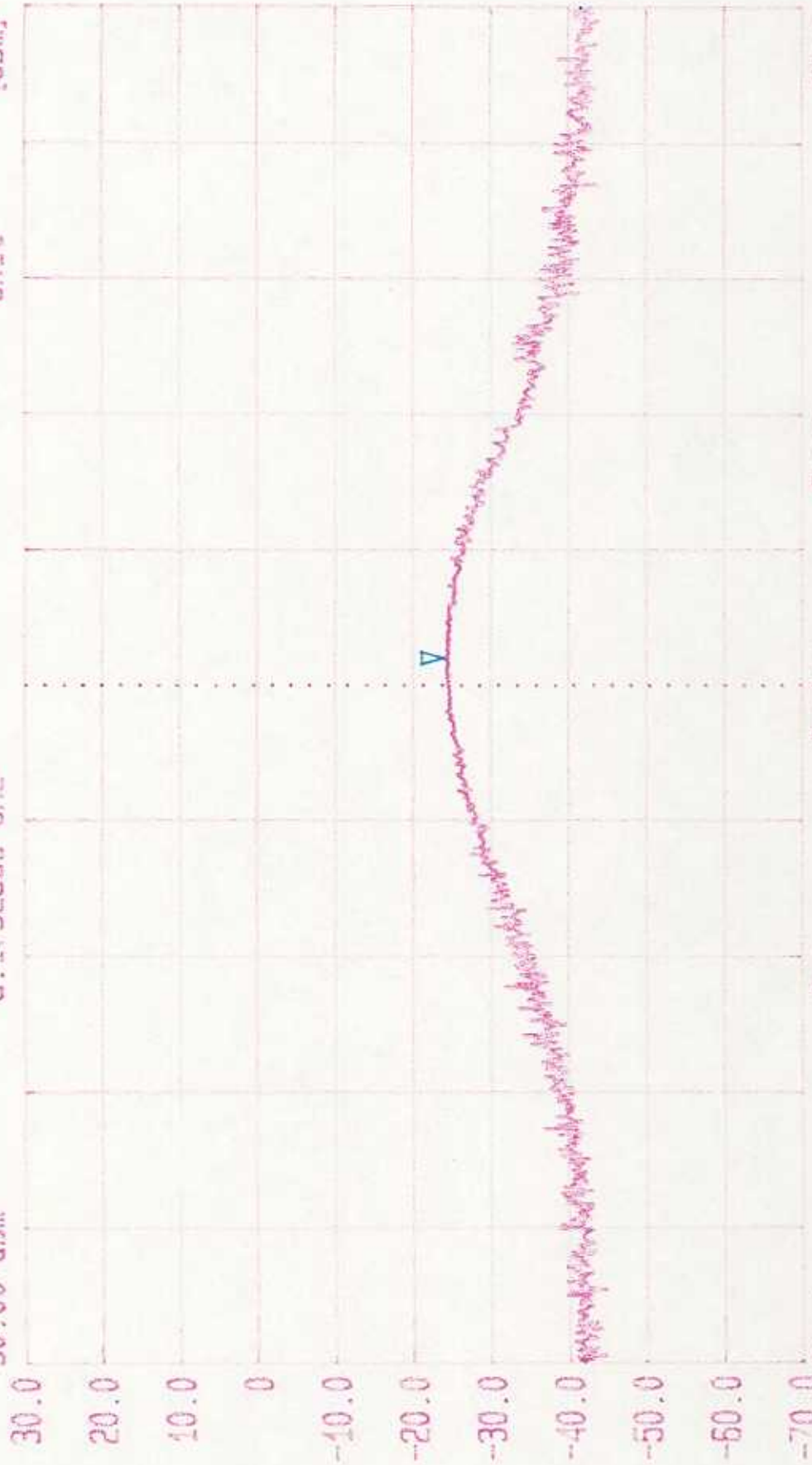
off

5.000 GHz

AF. Att

40 dB

Unit



Start 5.172931944 GHz Center 5.17324444 GHz Stop 5.173556944 GHz

Span 625 kHz Sweep 20 ms



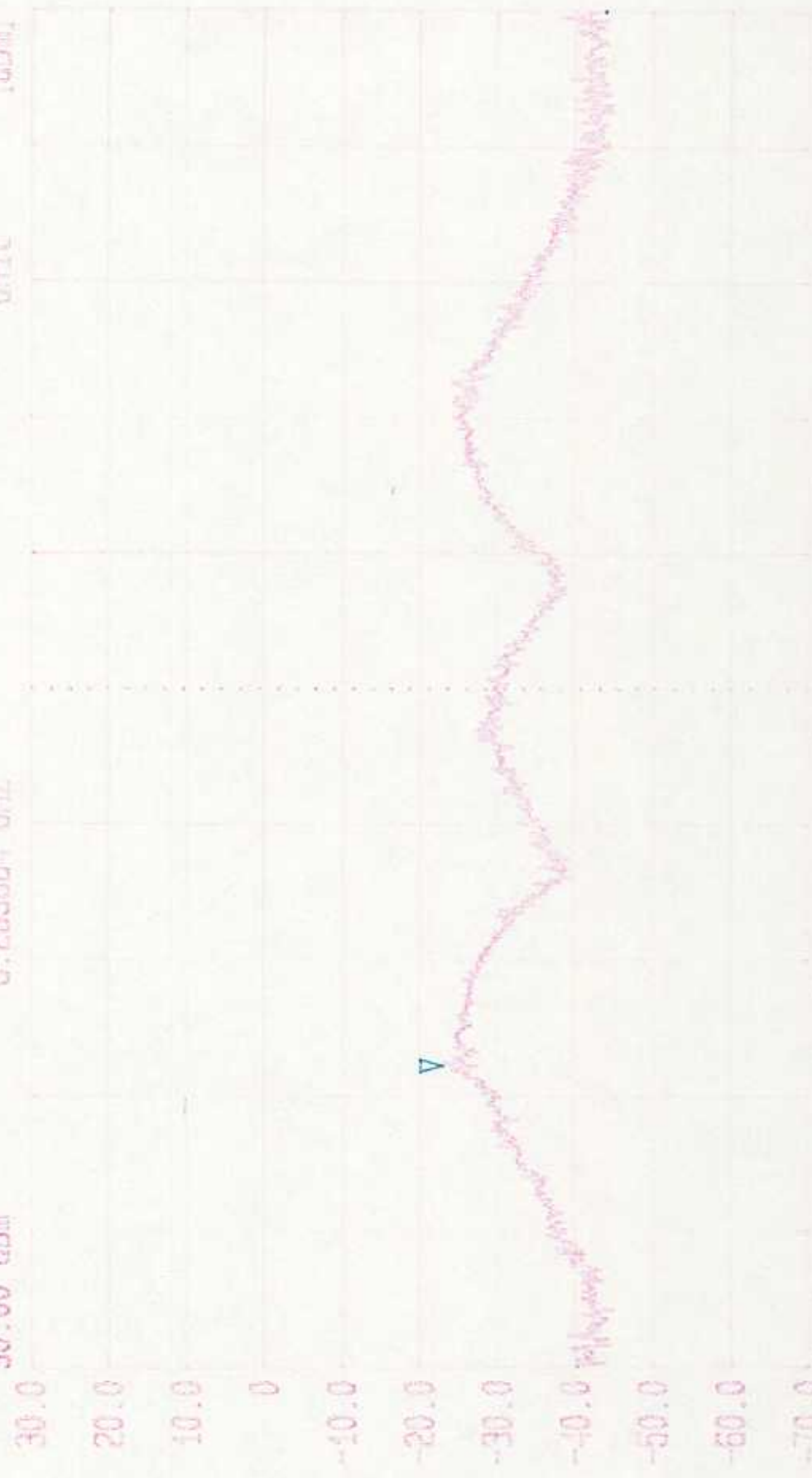
Date 17. Jan. '87 Time 01:17:01

Ref. Lvl 30.00 dBm

Marker

-22.97 dBm
6.285554 GHz

Res. BW 100.0 kHz (303)
1 MHz
TC. Lvl Off
CF. Sto 5.000 GHz
RF. Att 40 dB
Unit (dBm)



Start 6.284683333 GHz

Span 3.5 MHz

Center 6.285533333 GHz

Sweep 20 ms

Stop 6.288333333 GHz



Date 17. Jan. '87 Time 00:51:52

Ref. Lvl 30.00 dBm

Marker

-37.01 dBm

13.7166 GHz

Res. Bw 100.0 kHz [3dB]

Off

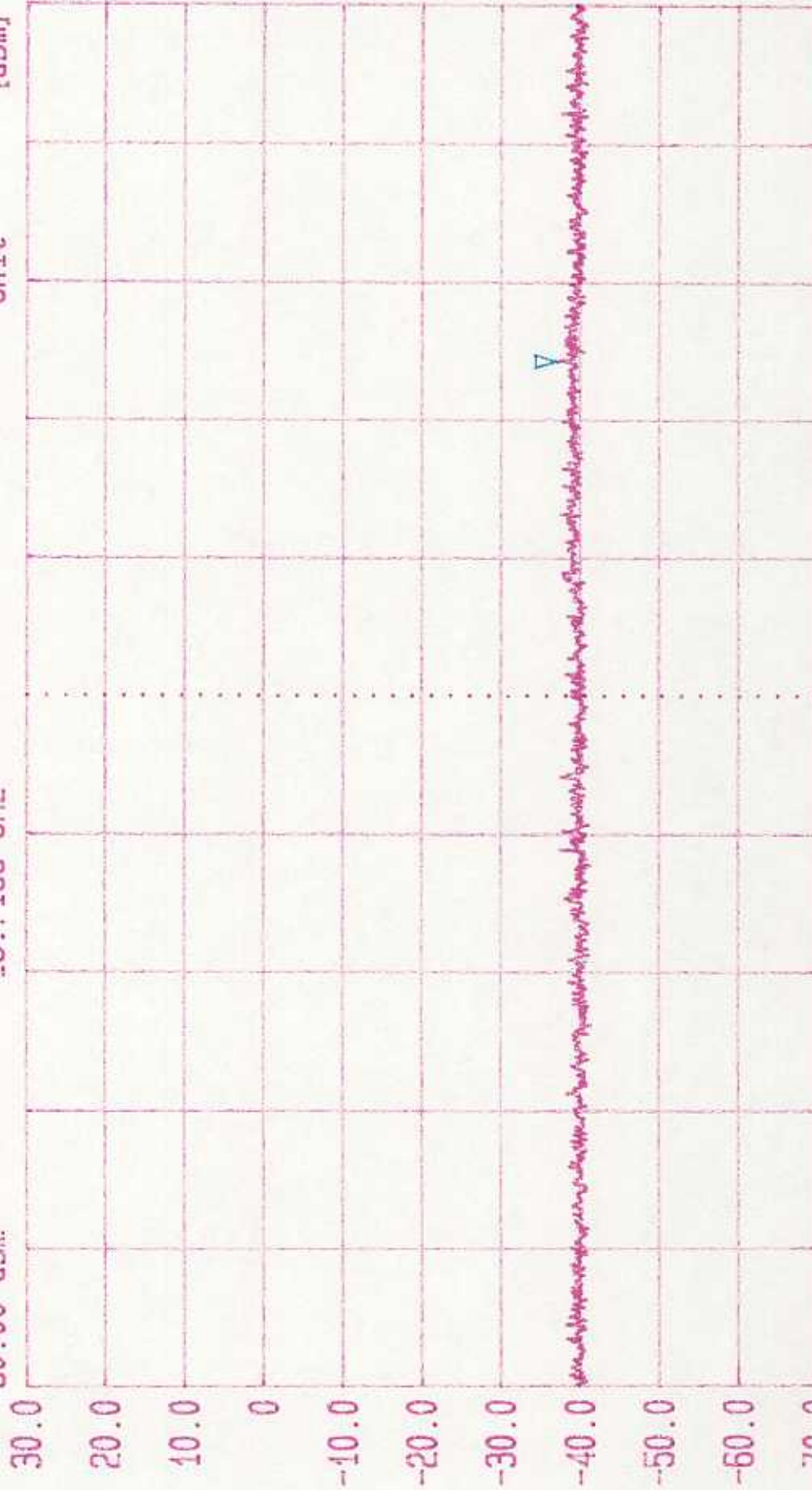
CF. Stp 5.000 GHz

Vid. Bw 1 MHz

RF. Att Unit

40 dB

[dBm]



Start 10 GHz

Span 5 GHz

Center 12.5 GHz

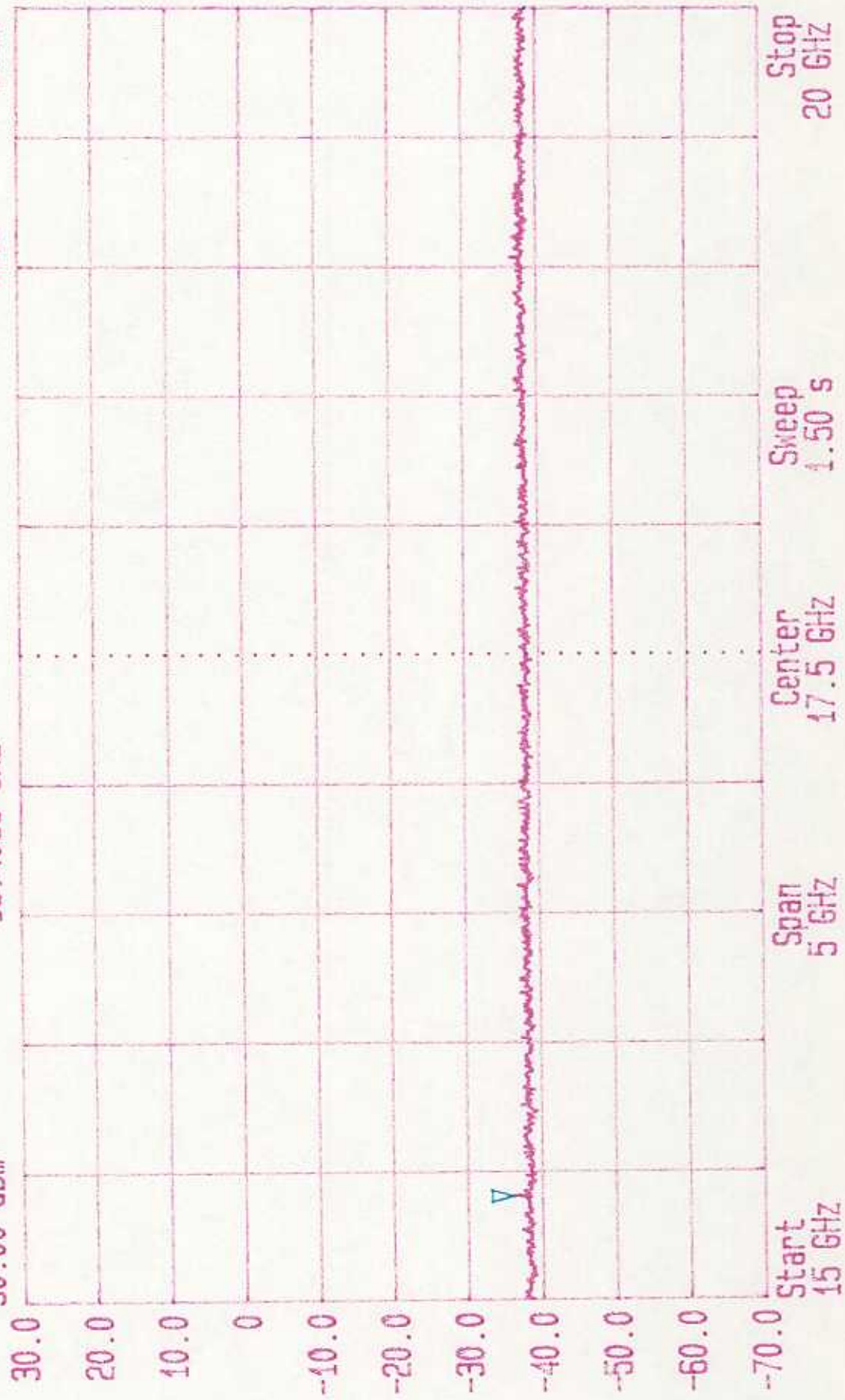
Sweep 1.50 s

Stop 15 GHz



Date 17. Jan. '87 Time 00:56:58
Ref. Lvl 30.00 dBm
Marker -35.99 dBm
15.4055 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl Off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]





Date 17. Jan. '87 Time 01:06:22

Ref. Lvl 30.00 dBm

Marker

-36.73 dBm
23.7888 GHz

Res. Bw 100.0 kHz [3dB]
IF Lvl off
CF. Stp 5.000 GHz

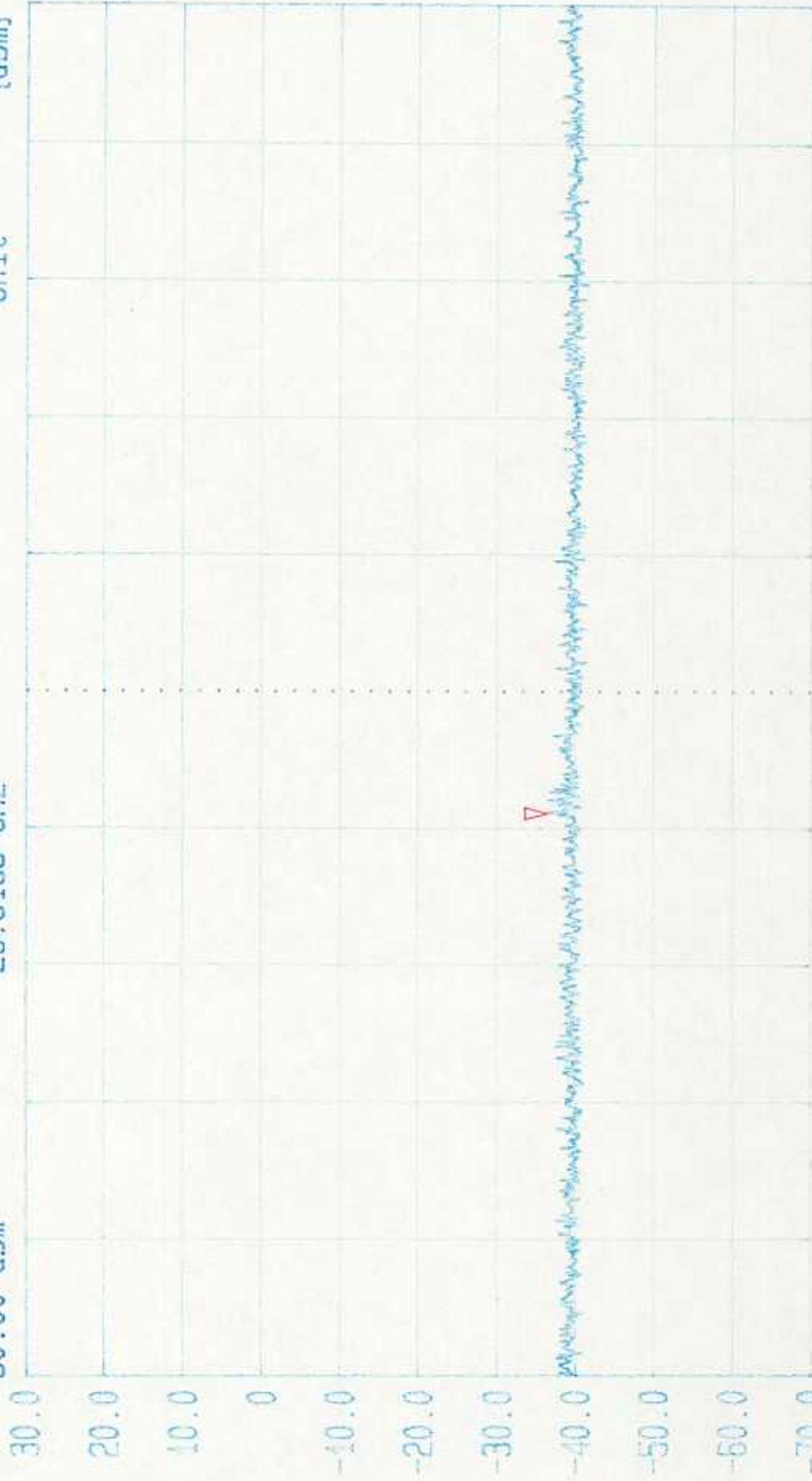
Vid. Bw 1 MHz
RF Att 40 dB
Unit [dBm]





Date 17. Jan. '87 Time 01:48:15
Ref. Lvl 30.00 dBm
Marker -36.27 dBm
25.6183 GHz

Res. Bw 100.0 kHz [3dB]
IG. Lvl off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]

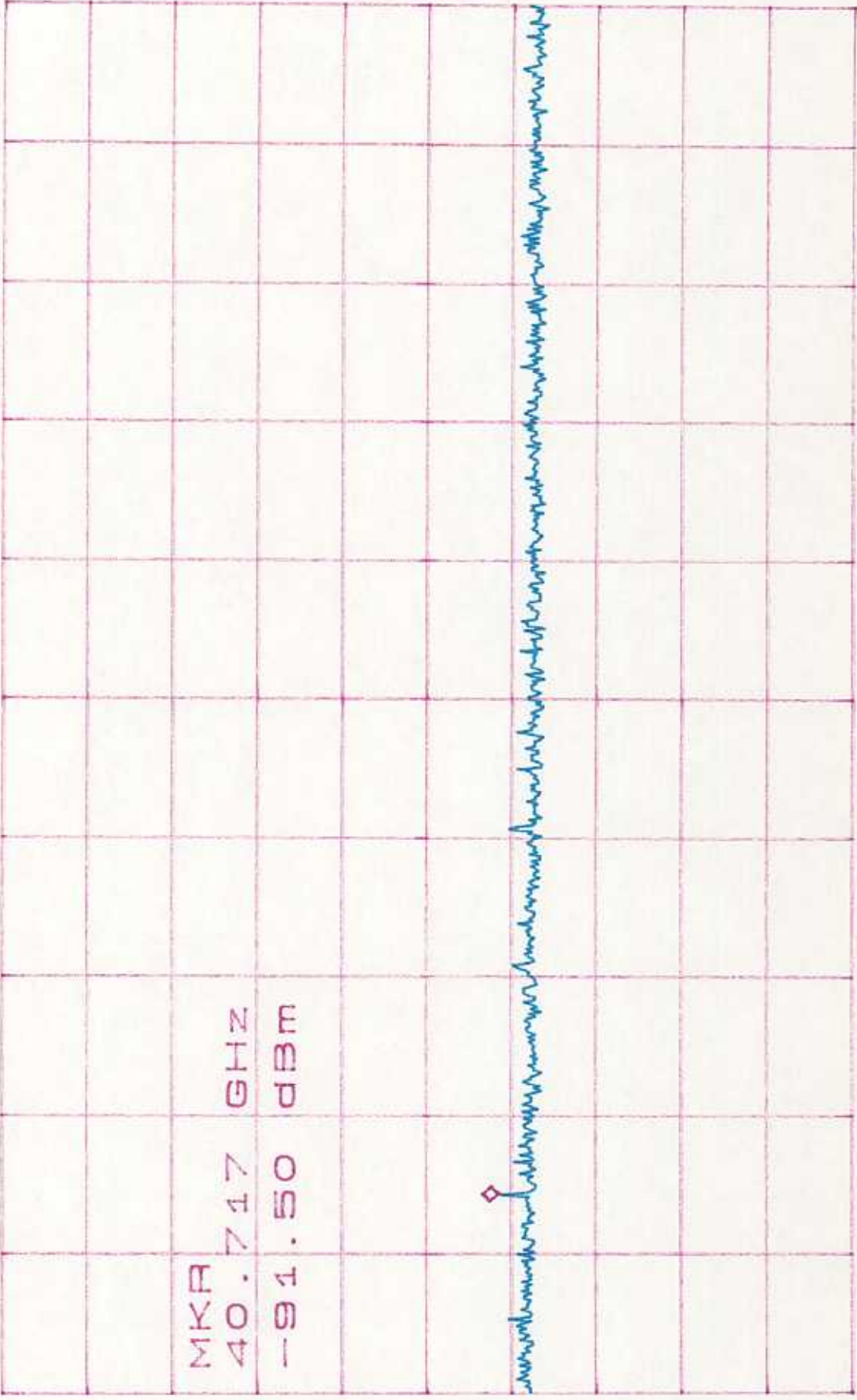


Start 25 GHz
Span 1.5 GHz
Center 25.75 GHz
Sweep 450 ms
Stop 25.5 GHz

EX10-20
2.0
249.0M
40.1717

CL 7.0dB
AL -33.0dBm
CNT -91.50dBm
40.17005 GHz

10dB/

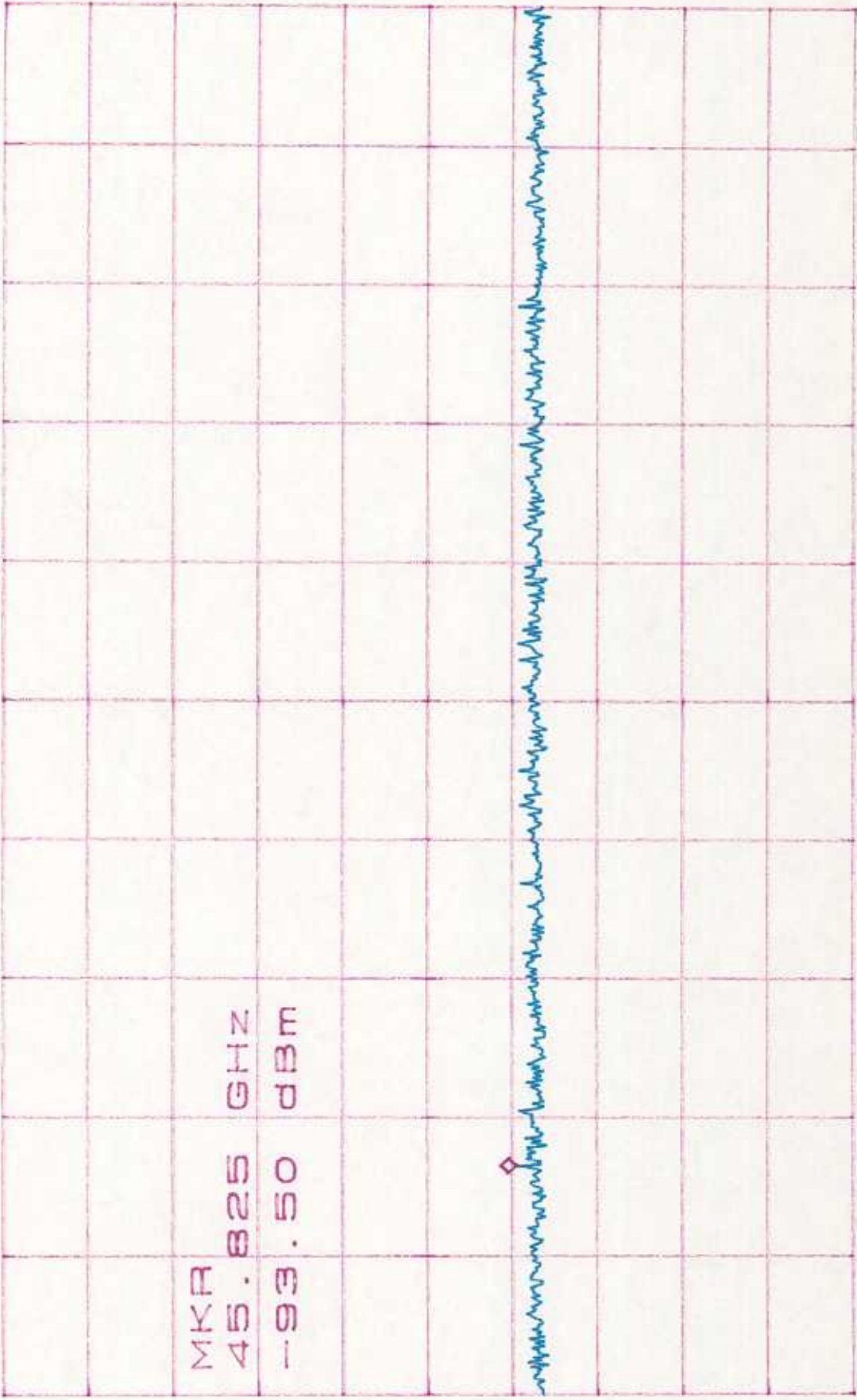


D

CENTER 42.500GHZ
*RBW 100KHZ *VBW 1.0MHZ
SPAN 5.000GHZ
SWP 1.30sec

21-2-20
2.4
0.5dB

CL 7.0dB CNT -93.50dBm
RL -33.0dBm 10dB/ 45.65411 GHz

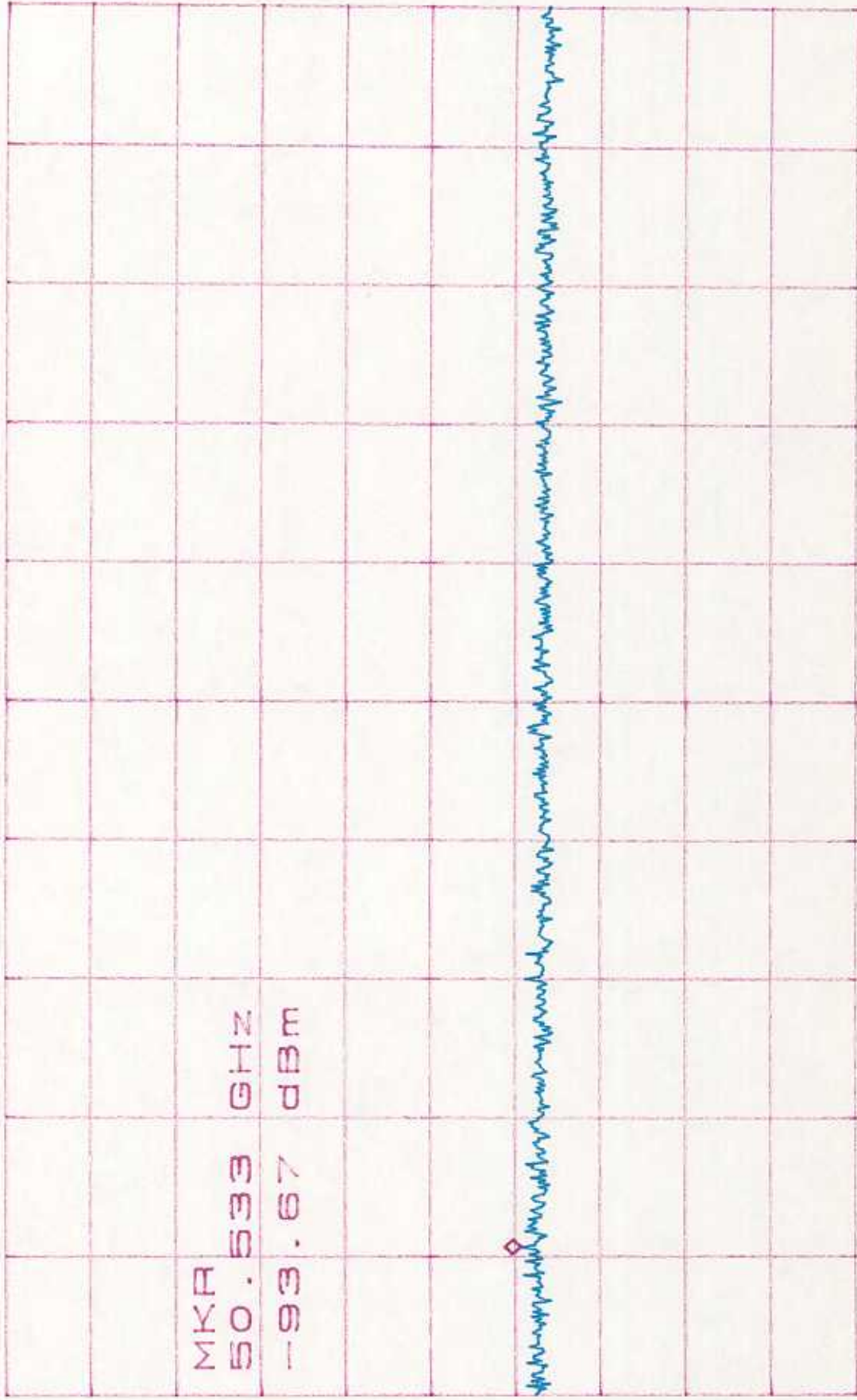


D

CENTER 47.500GHZ SPAN 5.000GHZ
*RBW 100KHZ *VBW 1.0MHZ SWP 1.30sec

EXP-80
1212
9890M
50.509

CL 7.0dB CNT -93.67dBm
AL -33.0dBm 10dB/ 50.54509 GHz

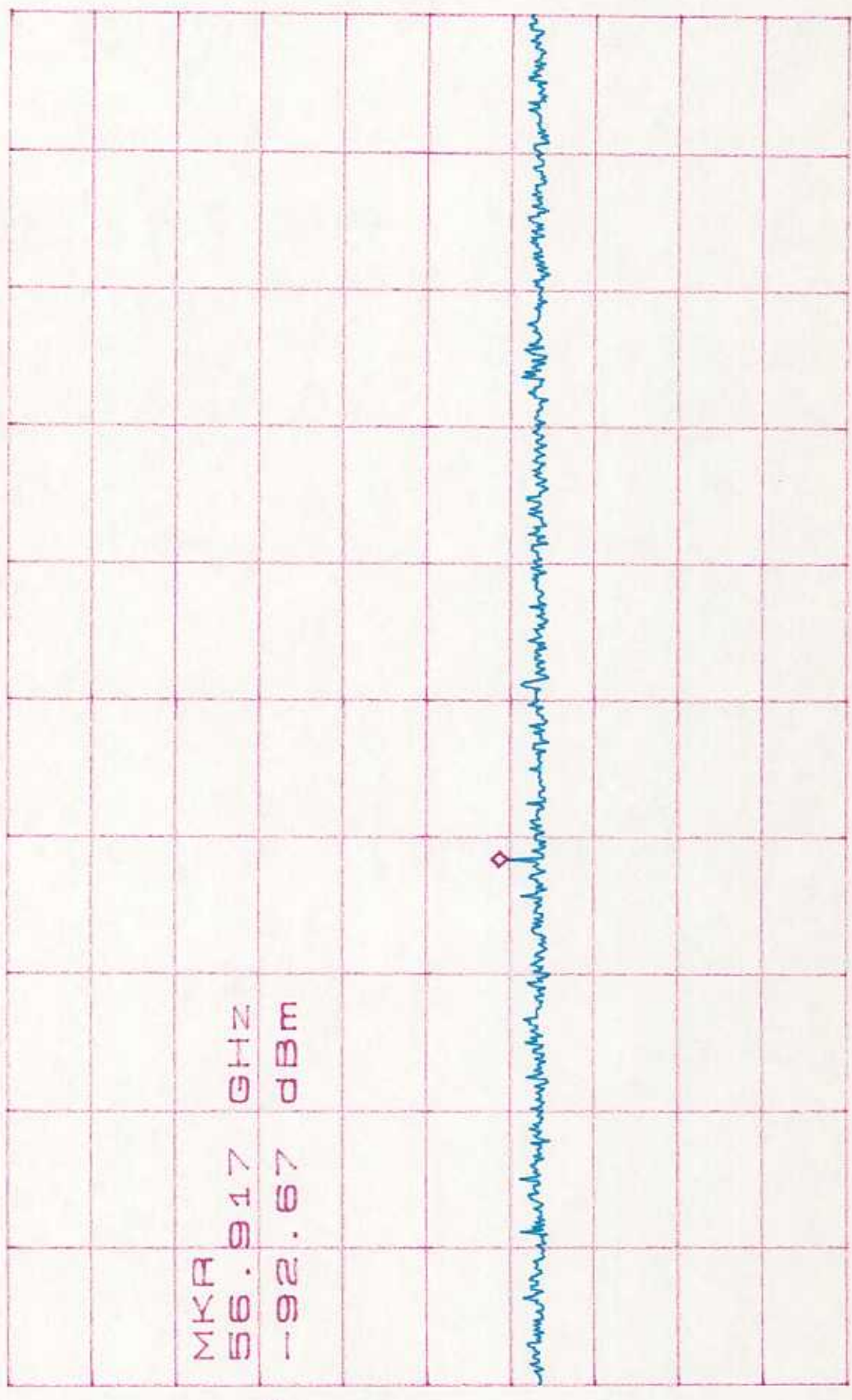


D

CENTER 52.500GHZ SPAN 5.000GHZ
*RBW 100KHZ *VBW 1.0MHZ SWP 1.30sec

E 112-30
069.0M
00834

CL 7.0dB
AL -33.0dBm
CNT -92.67dBm
57.38883 GHz
10dB/



MKRA
56.917 GHz
-92.67 dBm

CENTER 57.5000GHZ
*RBW 100KHZ *VBW 1.0MHZ
SPAN 5.000GHZ
SWP 1.30sec

Data Plots

ACS Report Number: 03-0143-15BC

Manufacturer: Cirronet, Inc.
Model: WIT5811

**Test: Antenna Conducted Spurious
Emissions**
Channel: Center



Date: 17 Jan '87 Time: 01:22:08

Ref. Lvl
30.00 dBm

Marker

-35.64 dBm
4.0446 GHz

Res. Bw
100.0 kHz [3dB]

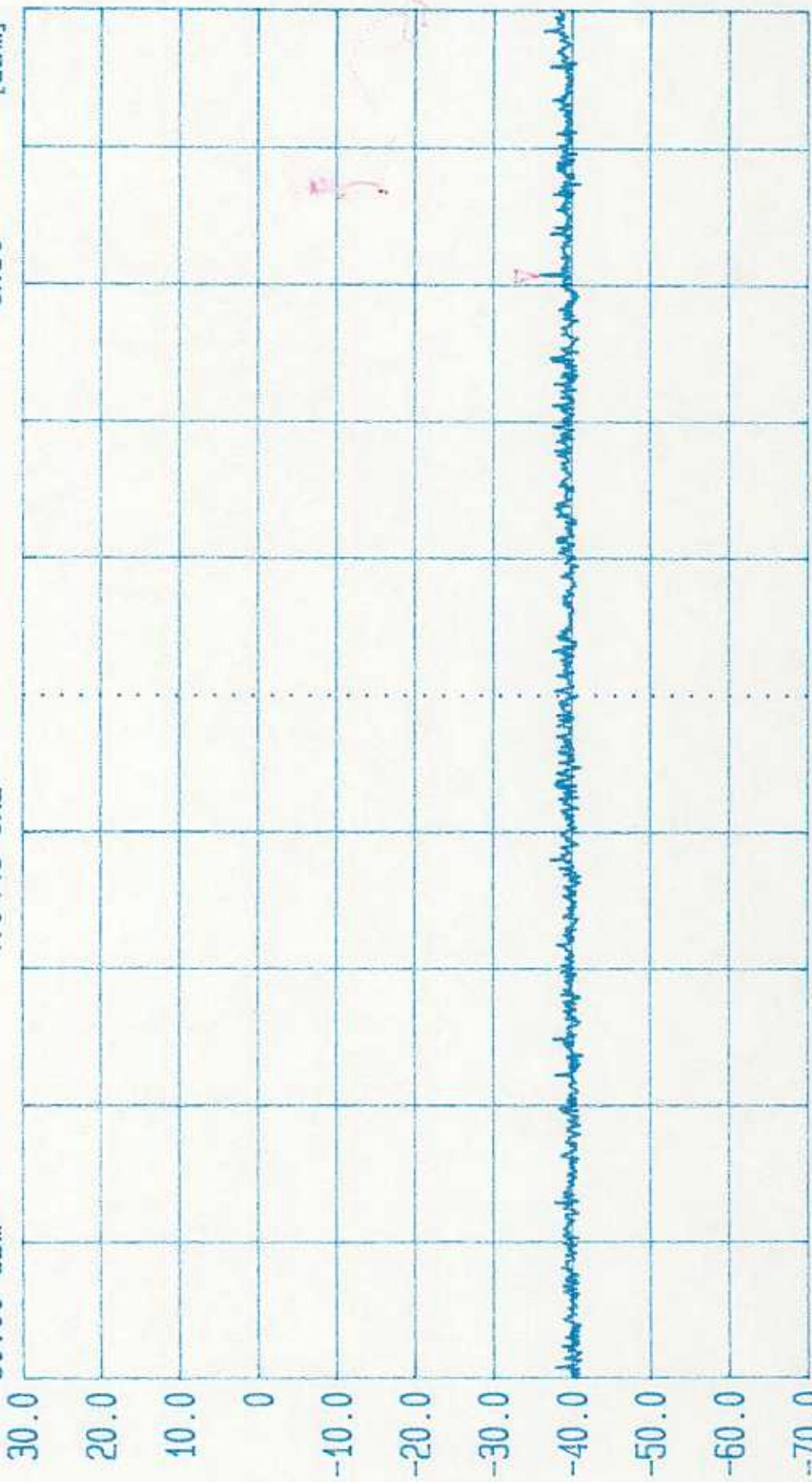
TG. Lvl
off

CF. Stp
5.000 GHz

Vid. Bw
1 MHz

RF. Att
Unit

40 dB
[dBm]



Start
0.030 GHz

Span
4.97 GHz

Center
2.515 GHz

Sweep
1.50 s

Stop
5 GHz



Date: 17 Jan '87 Time: 01:24:57

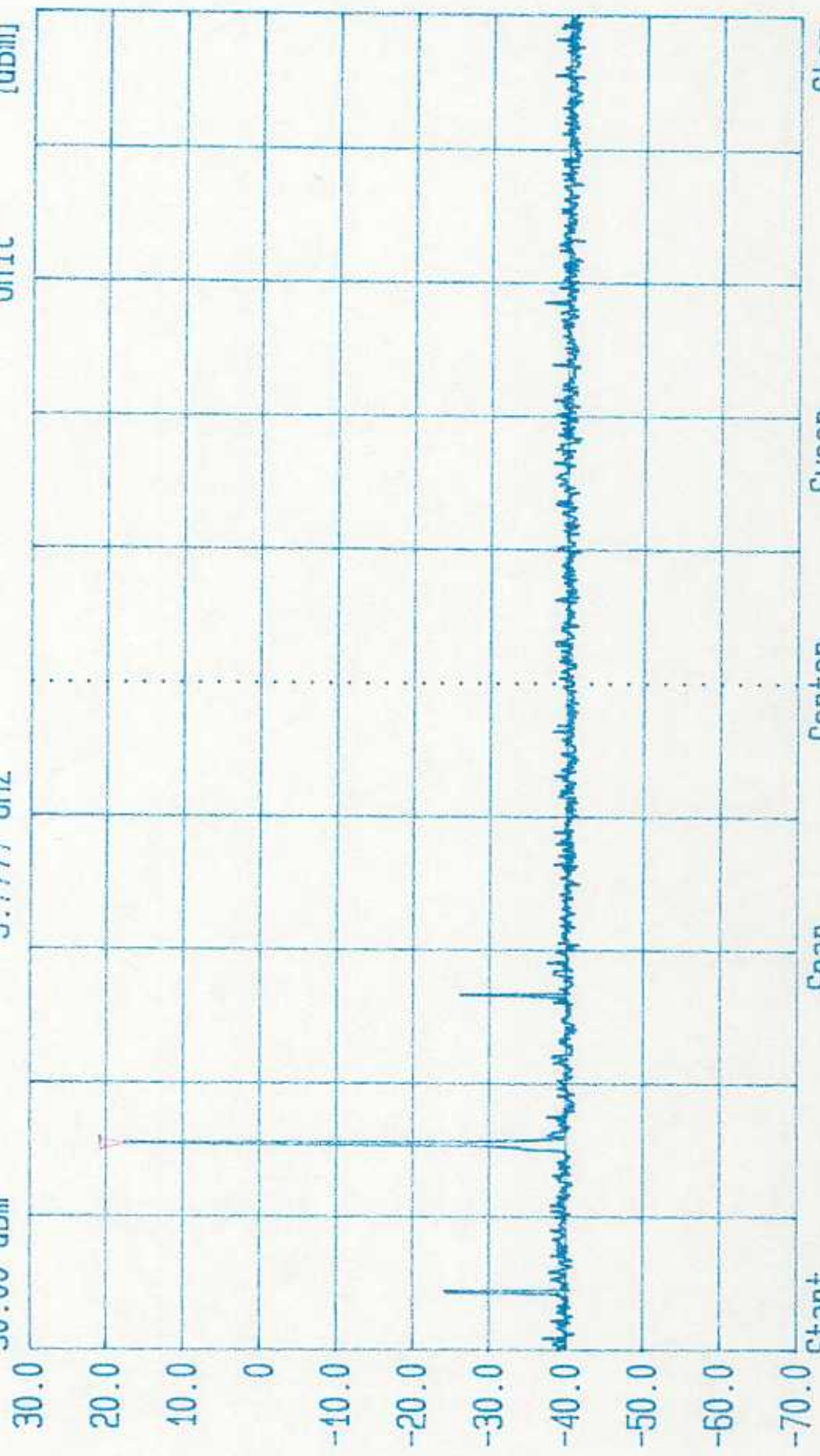
Ref. Lvl
30.00 dBm

Marker

18.02 dBm
5.7777 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl Off
CF. Stp 5.000 GHz

Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]



Start
5 GHz

Span
5 GHz

Center
7.5 GHz

Sweep
1.50 s

Stop
10 GHz



Date 17. Jan. '87 Time 01:52:13

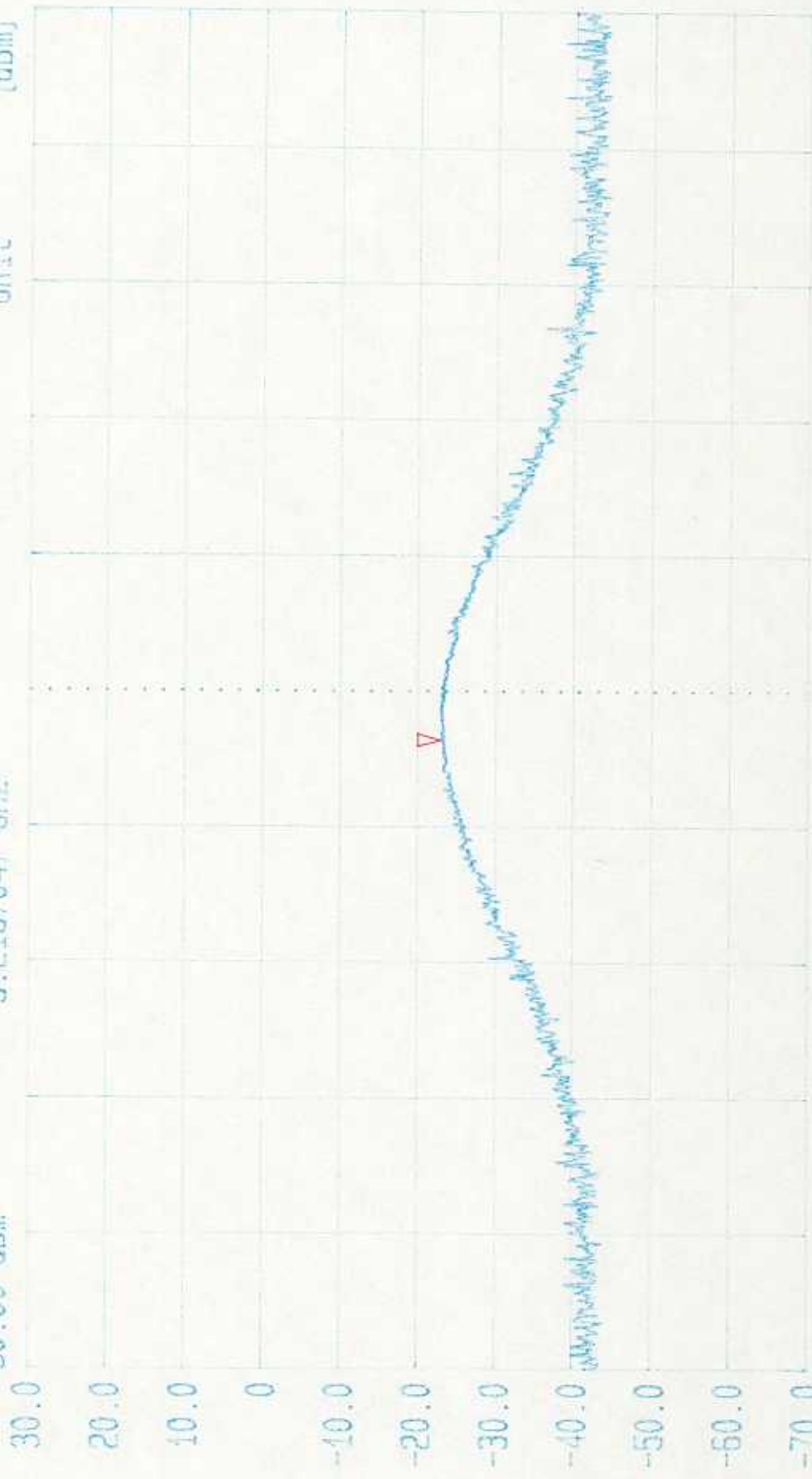
Ref. Lvl 30.00 dBm

Marker

-22.59 dBm
5.2187047 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl off
CF. Stp 5.000 GHz

Vid. Bw 1 MHz
RF. Att Unit

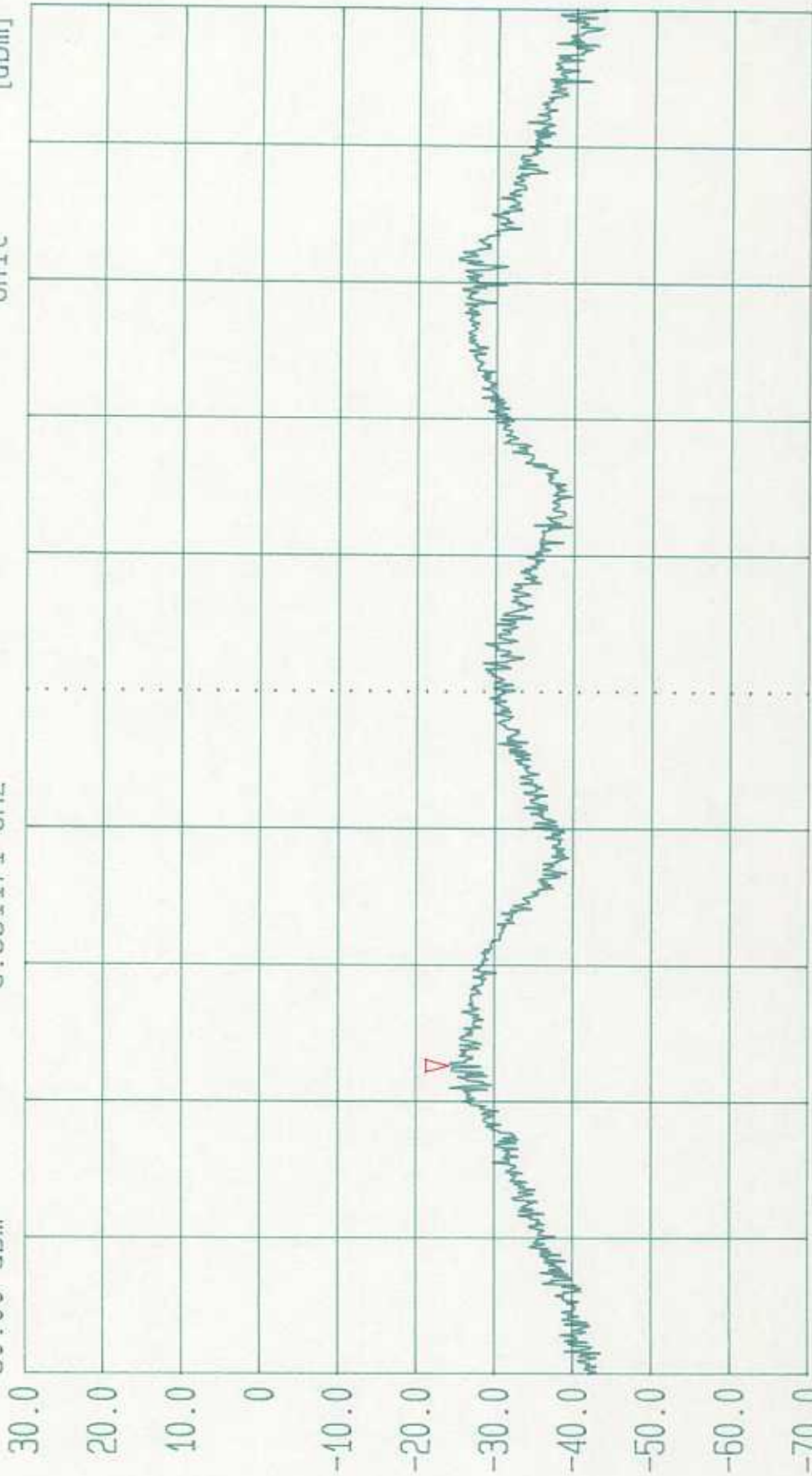


Start 5.218363735 GHz Span 732.424 kHz Center 5.218729947 GHz Sweep 20 ms Stop 5.219096159 GHz



Date 17. Jan. '87 Time 01:57:37
Ref. Lvl 30.00 dBm
Marker -24.03 dBm
6.331171 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]

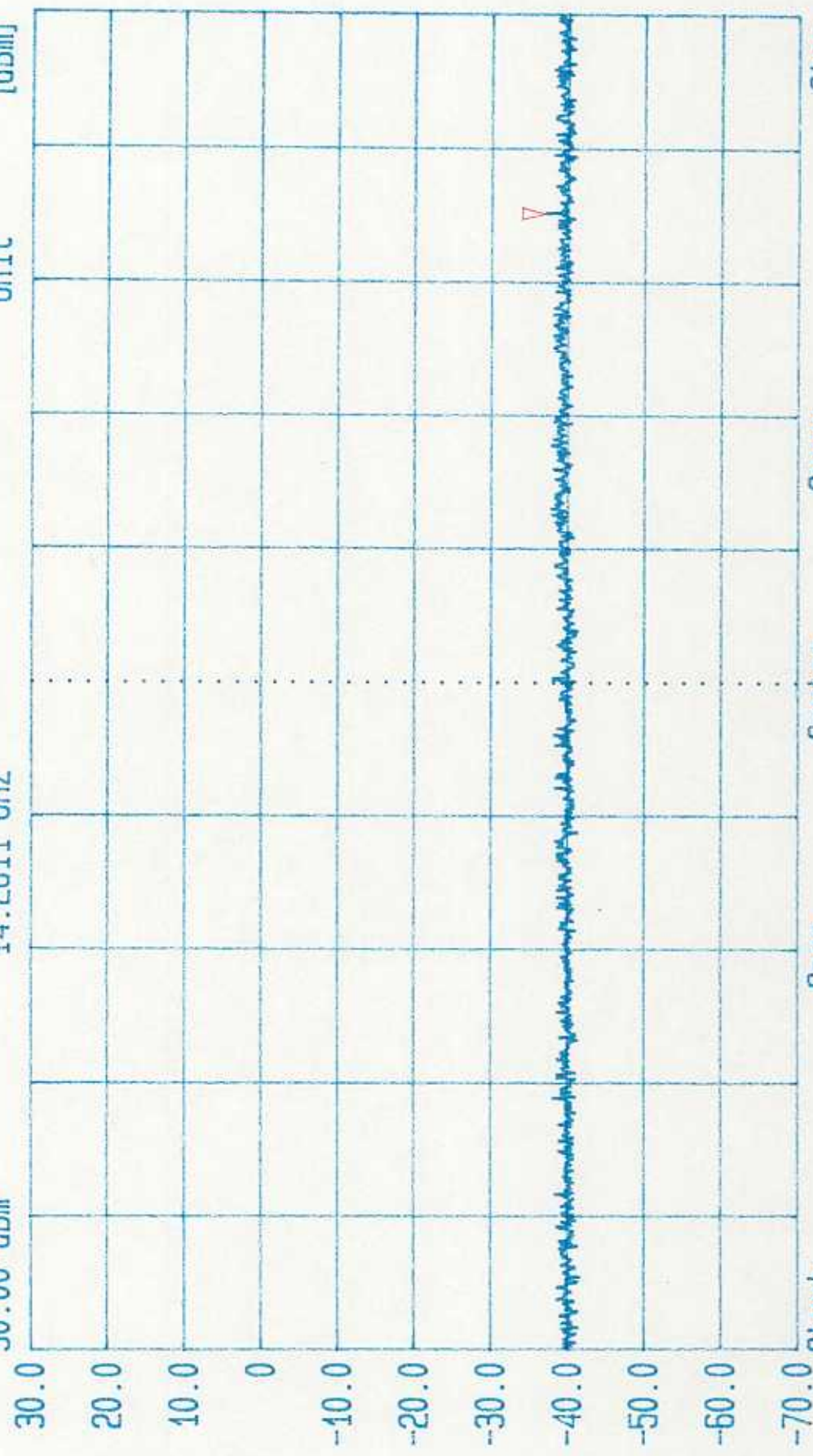


Start 6.330507027 GHz
Span 2.92969 MHz
Center 6.331971875 GHz
Sweep 20 ms
Stop 6.333436723 GHz



Date 17. Jan. '87 Time 01:30:59
Ref. Lvl 30.00 dBm
Marker -36.83 dBm
14.2611 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl Off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]



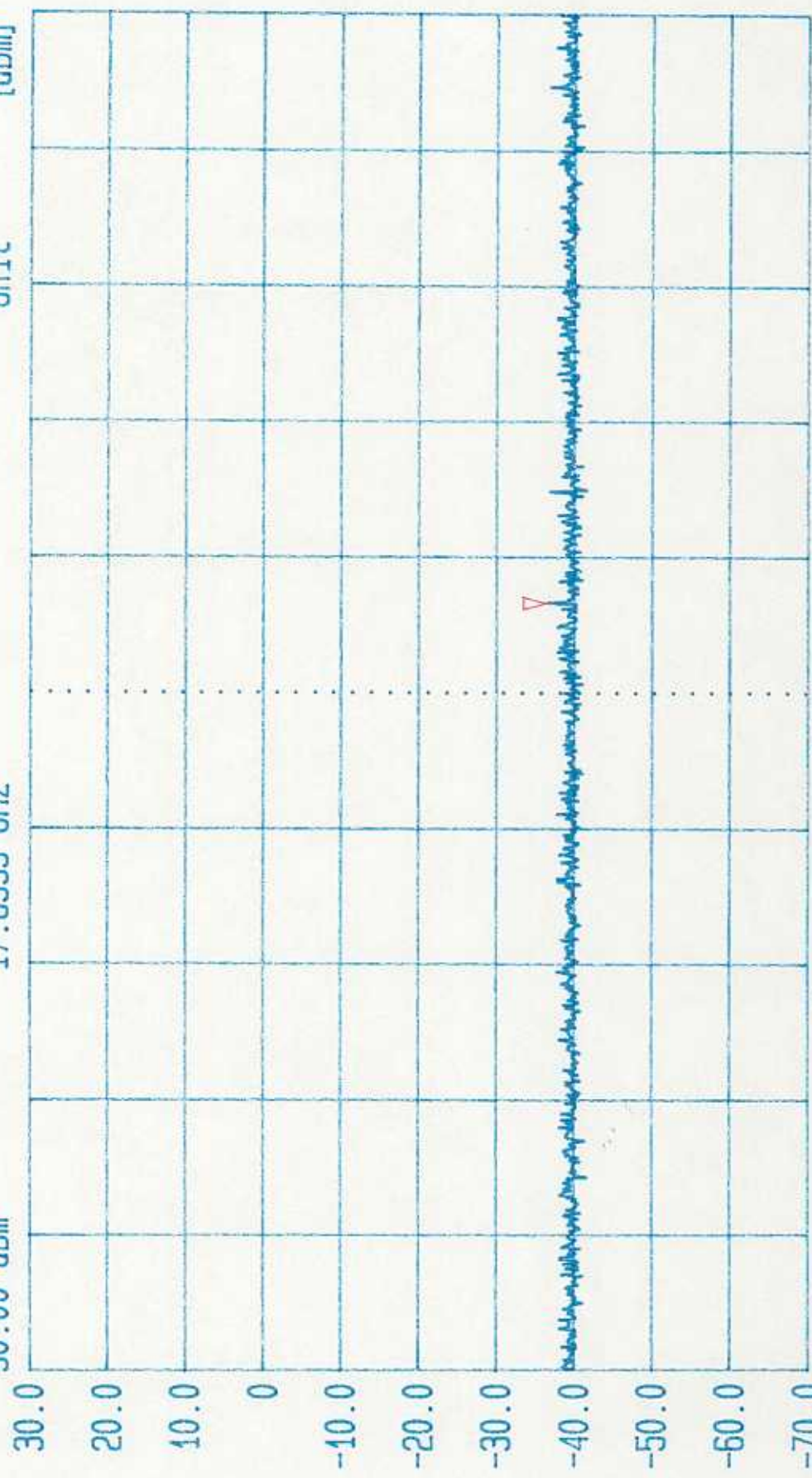
Start 10 GHz
Span 5 GHz
Center 12.5 GHz
Sweep 1.50 s
Stop 15 GHz



Date 17. Jan. '87 Time 01:34:35

Ref. Lvl 30.00 dBm
Marker -36.32 dBm
17.8333 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl Off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]



Start 15 GHz
Span 5 GHz
Center 17.5 GHz
Sweep 1.50 s
Stop 20 GHz



Date 17. Jan. '87 Time 01:39:14

Ref. Lvl 30.00 dBm

Marker -36.25 dBm

24.8888 GHz

Res. Bw 100.0 kHz [3dB]

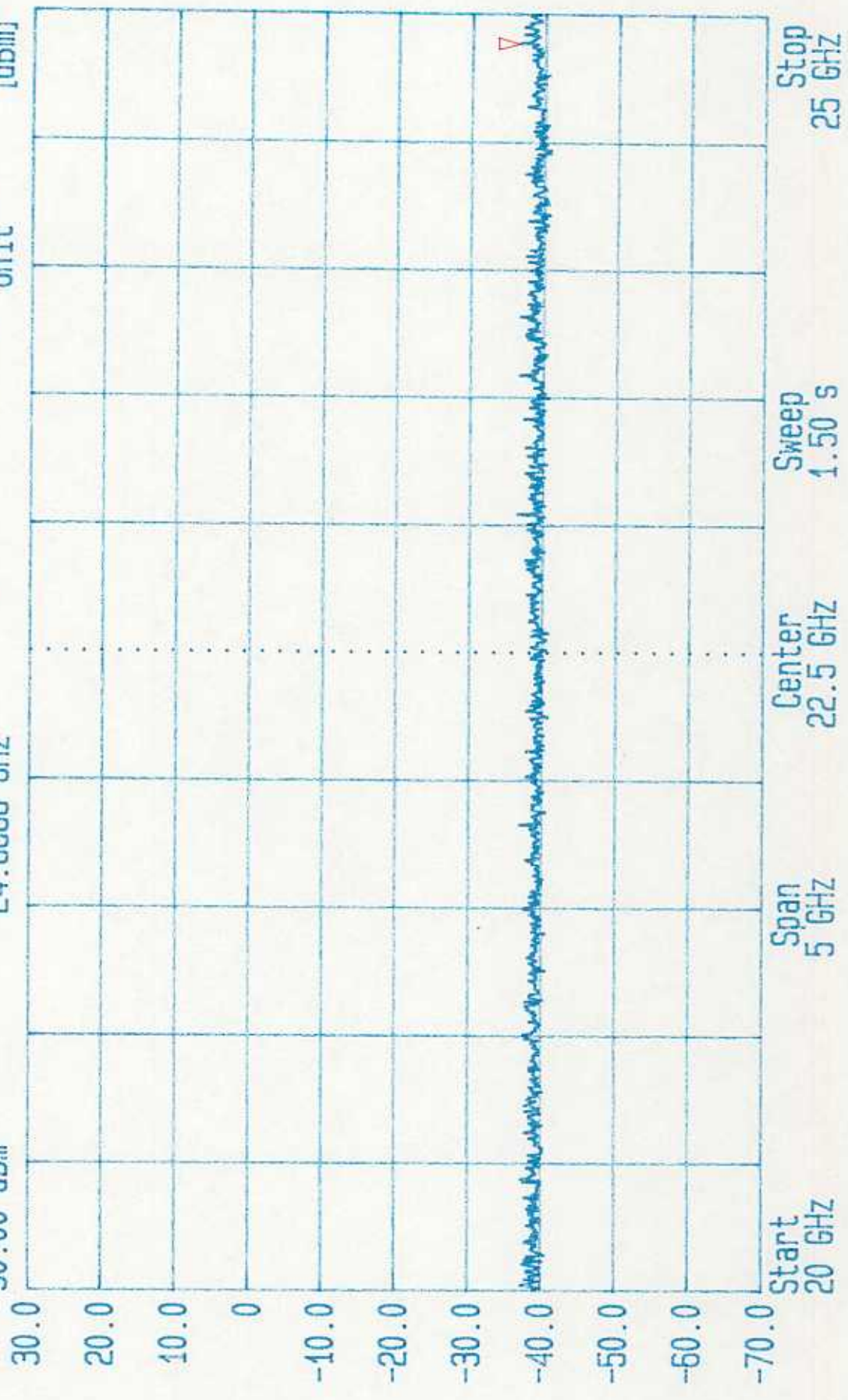
TG. Lvl off

CF. Stp 5.000 GHz

Vid. Bw 1 MHz

RF. Att 40 dB

Unit [dBm]

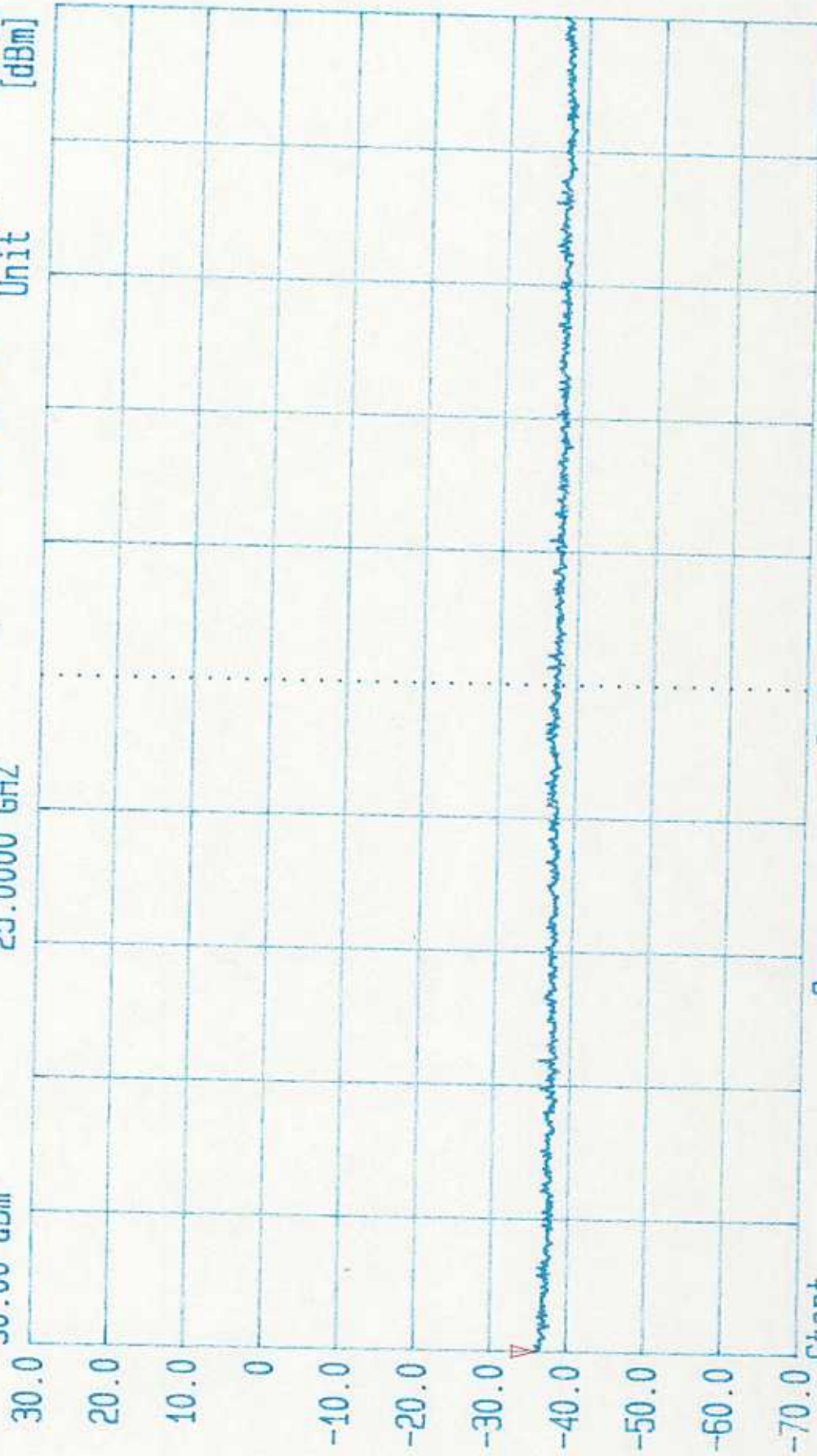




Date 17. Jan. '87 Time 01:44:55
Ref. Lvl 30.00 dBm
Marker -35.61 dBm
25.0000 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl off
CF. Stp 5.000 GHz

Vid. Bw 1 MHz
AF. Att 40 dB
Unit [dBm]



Start
25 GHz

Span
1.5 GHz

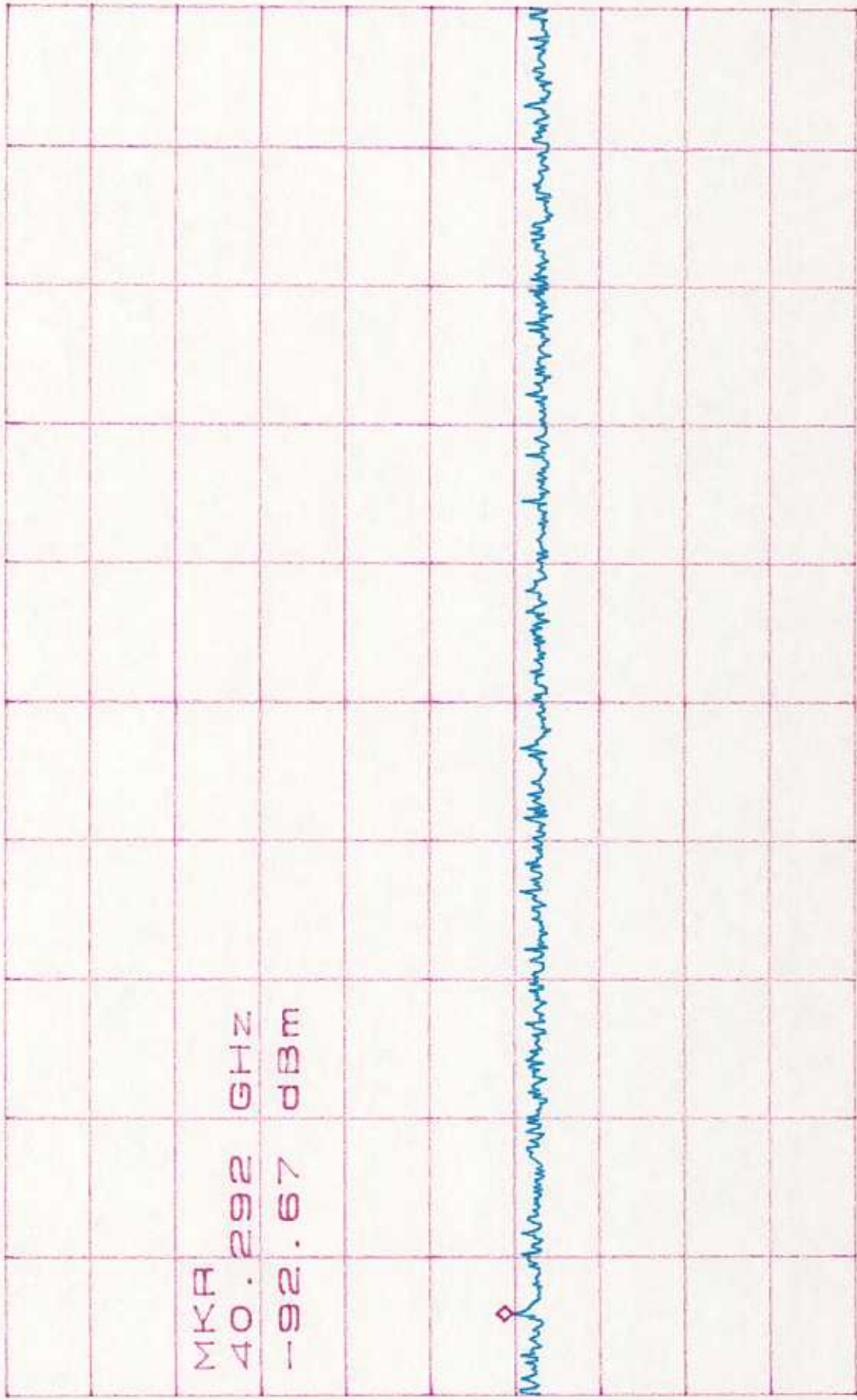
Center
25.75 GHz

Sweep
460 ms

Stop
26.5 GHz

4/21/08
949.00
40.00-9

CL 7.0dB
FL -33.0dBm
CNT -92.67dBm
40.16495 GHz
10dB/



D
MKR
40.292 GHz
-92.67 dBm

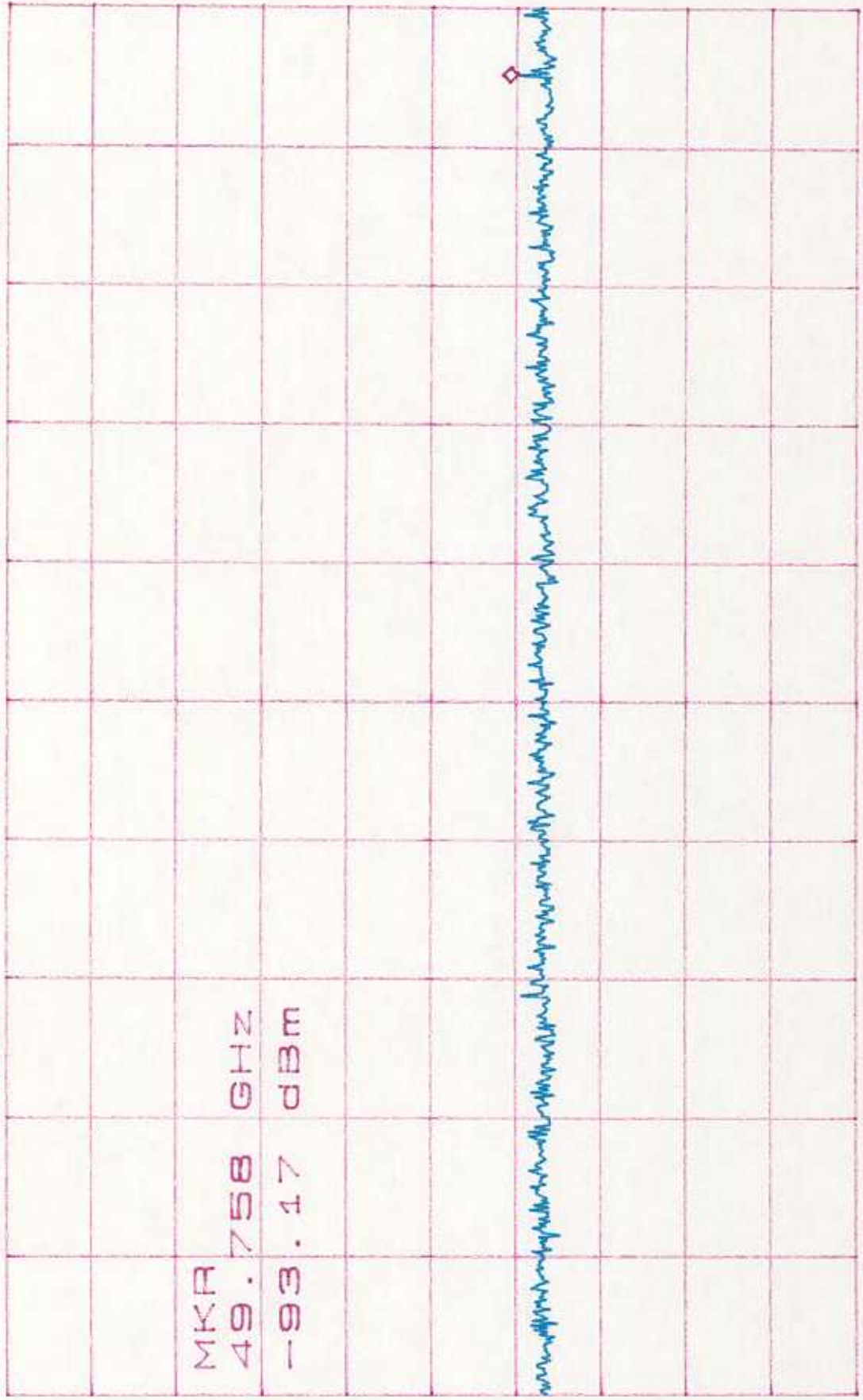
CENTER 42.500GHz
*RBW 100kHz
SPAN 5.000GHz
*VBW 1.0MHz
SWP 1.30sec

2. 10-20
AD
949.0M
20-85-9

CL 7.0dB
RL -33.0dBm
CNT -93.17dBm
45.32690 GHz

10dB/

MKR
49.758 GHz
-93.17 dBm



CENTER 47.500GHZ
*RBW 100KHZ *VBW 1.0MHZ
SPAN 5.000GHZ
SWP 1.30sec

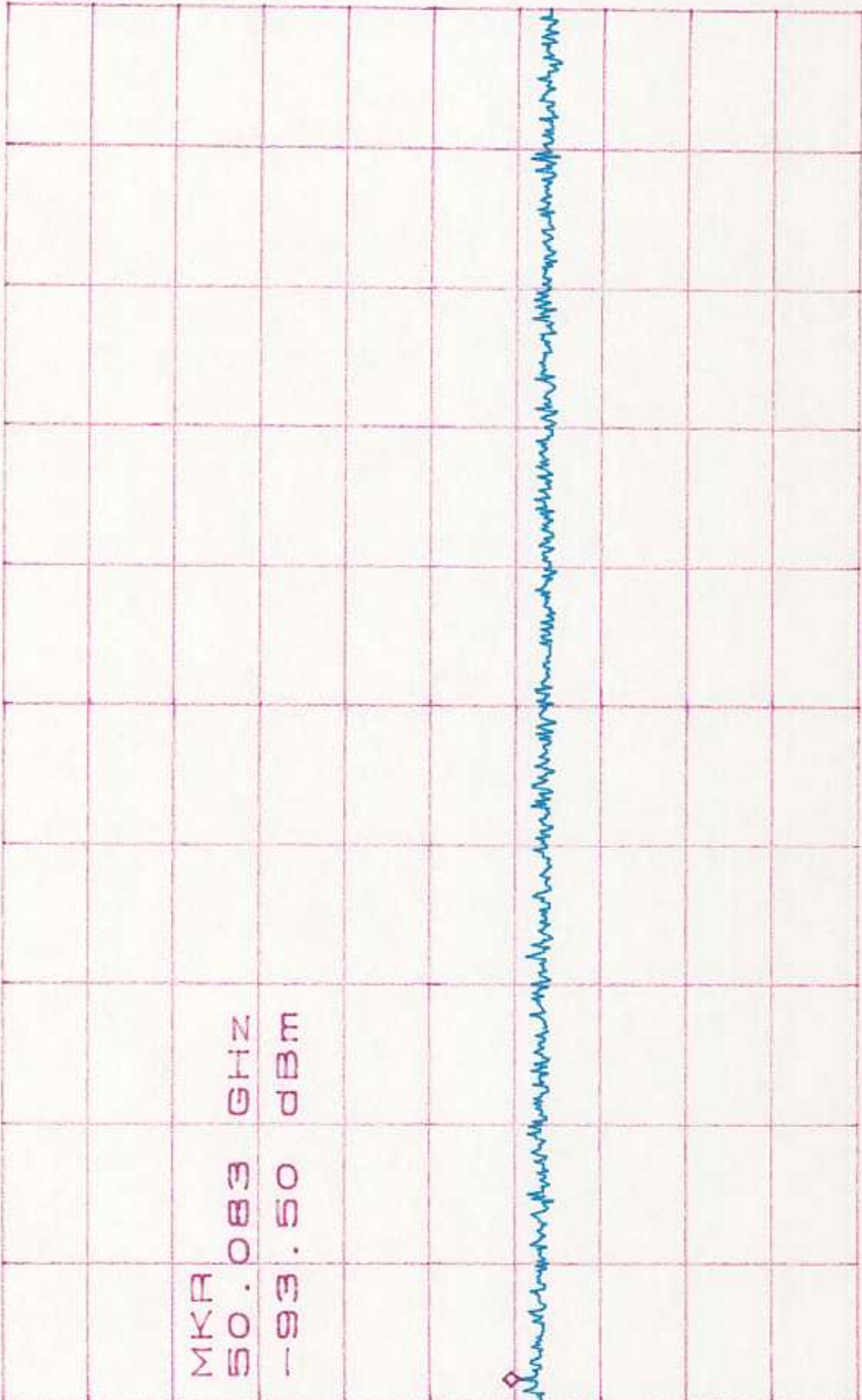
D

CH 20
2019-04-01

CL 7.0dB
RL -33.0dBm
CNT -93.50dBm
50.08399 GHz

10dB/

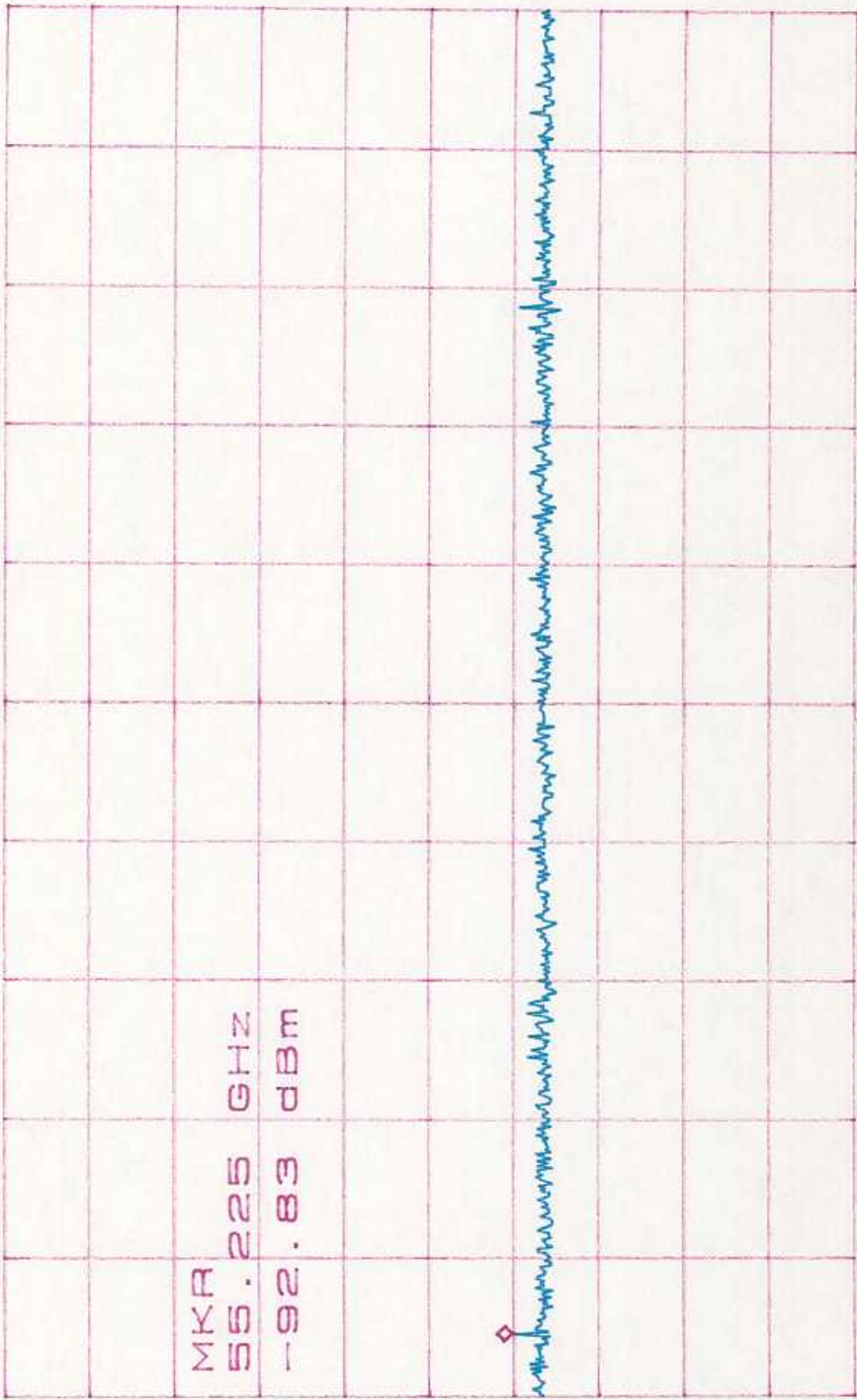
MKR
50.083 GHz
-93.50 dBm



CENTER 52.500GHZ
*RBW 100KHZ *VBW 1.0MHZ
SPAN 5.000GHZ
SWP 1.30sec

2810-80
0.33
0.09

CL 7.0dB CNT -92.83dBm
AL -33.0dBm 10dB/ 55.09832 GHz



CENTER 57.500GHZ SPAN 5.000GHZ
*RBW 100KHZ *VBW 1.0MHZ SWP 1.30sec

D

Data Plots

ACS Report Number: 03-0143-15BC

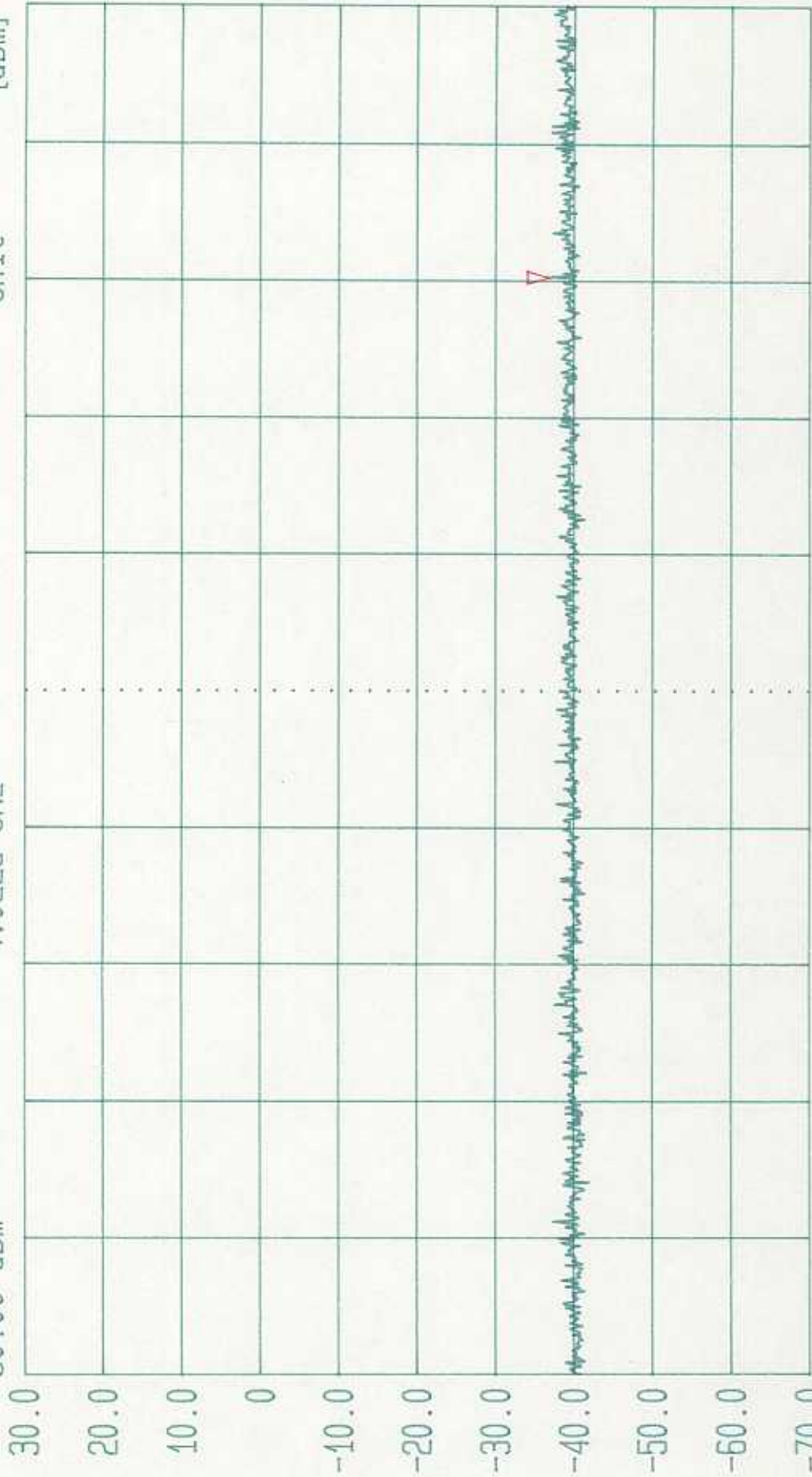
Manufacturer: Cirronet, Inc.
Model: WIT5811

**Test: Antenna Conducted Spurious
Emissions**
Channel: High



Date 17. Jan. '87 Time 02:06:05
Ref. Lvl 30.00 dBm
Marker -36.73 dBm
4.0225 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl Off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]



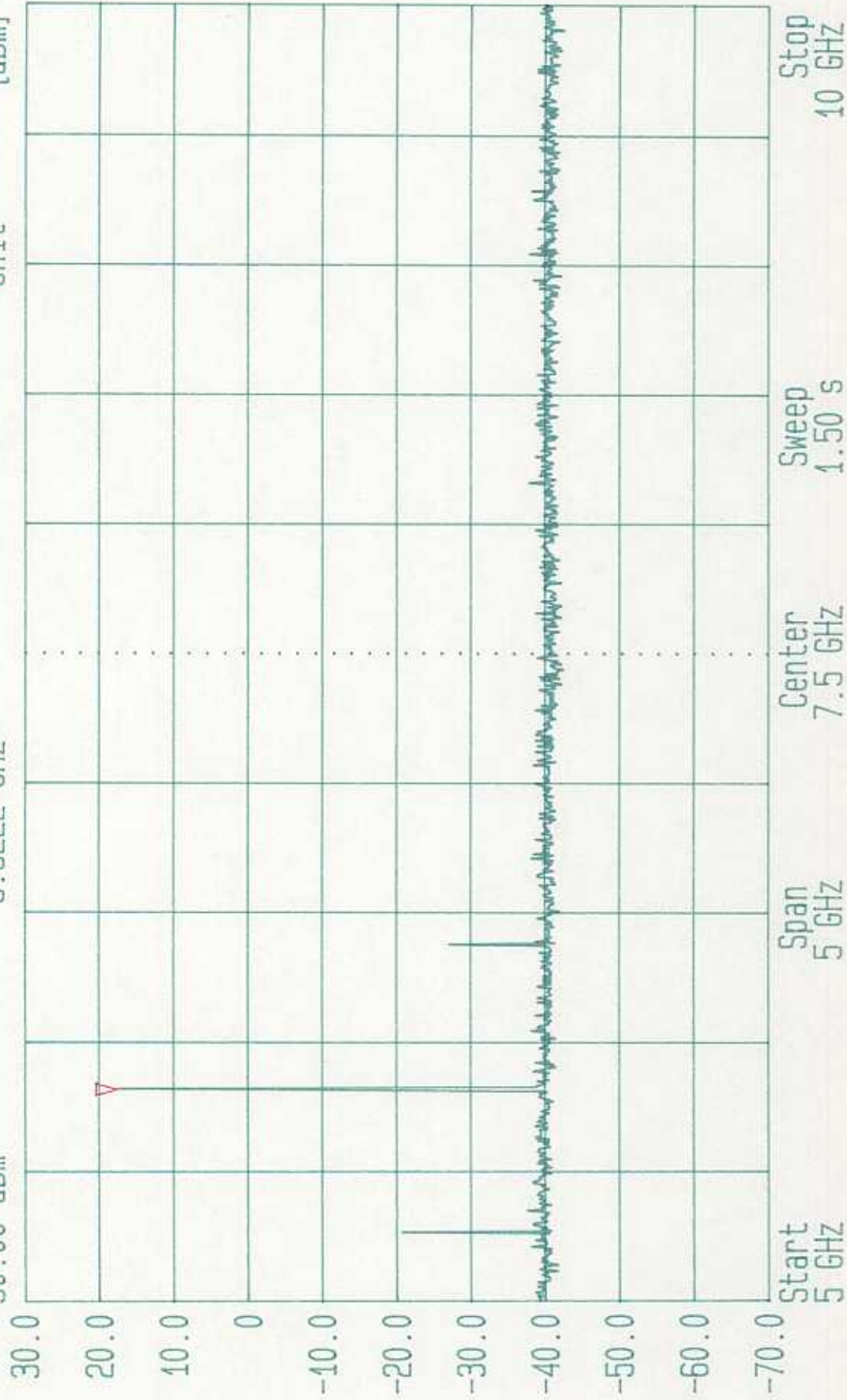
Start 0.030 GHz
Span 4.97 GHz
Center 2.515 GHz
Sweep 1.50 s
Stop 5 GHz



Date 17. Jan. '87 Time 02:10:34

Ref. Lvl 30.00 dBm
Marker 17.51 dBm
5.8222 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]

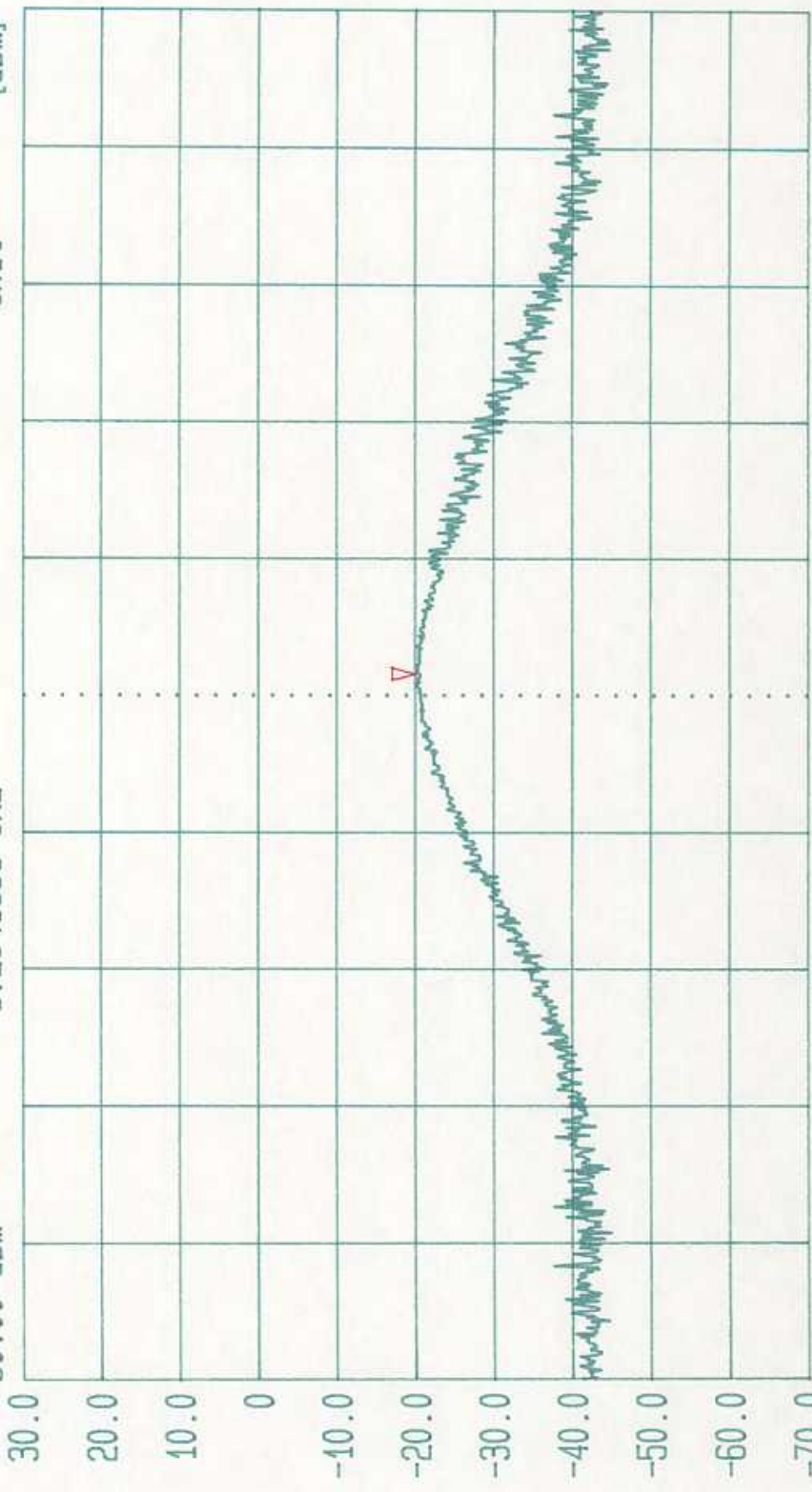




Date 17. Jan. '87 Time 02: 29: 35

Ref. Lvl 30.00 dBm
Marker -19.77 dBm
5.2641838 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl Off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]

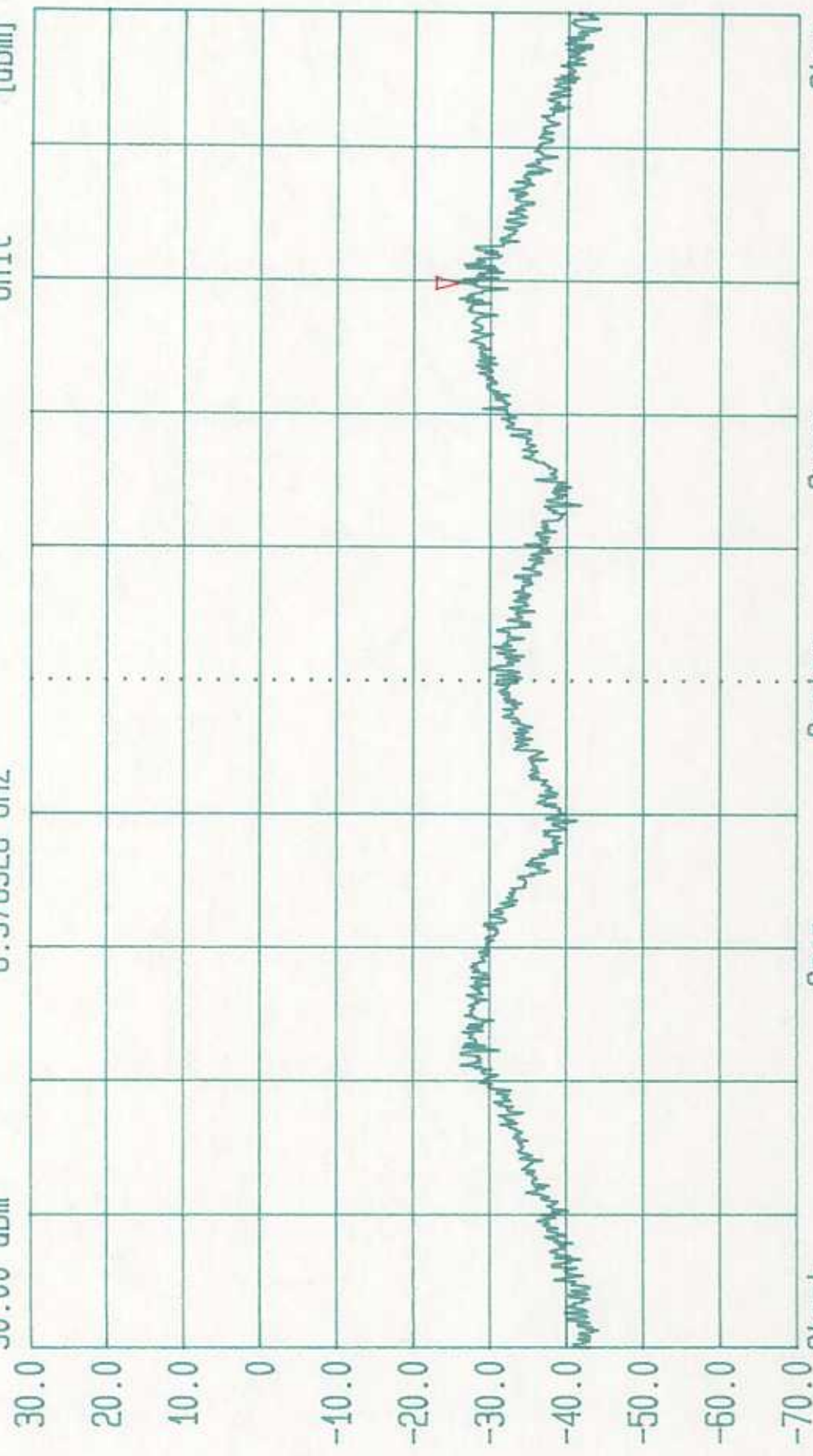


Start 5.263805402 GHz
Span 732.424 kHz
Center 5.264171614 GHz
Sweep 20 ms
Stop 5.264537826 GHz



Date 17. Jan. '87 Time 02:33:20
Ref.LV1 Marker -25.56 dBm
30.00 dBm 6.378328 GHz

Res.Bw 100.0 kHz [3dB]
TG.LV1 off
CF.Stp 5.000 GHz
Vid.Bw 1 MHz
RF.Att 40 dB
Unit [dBm]

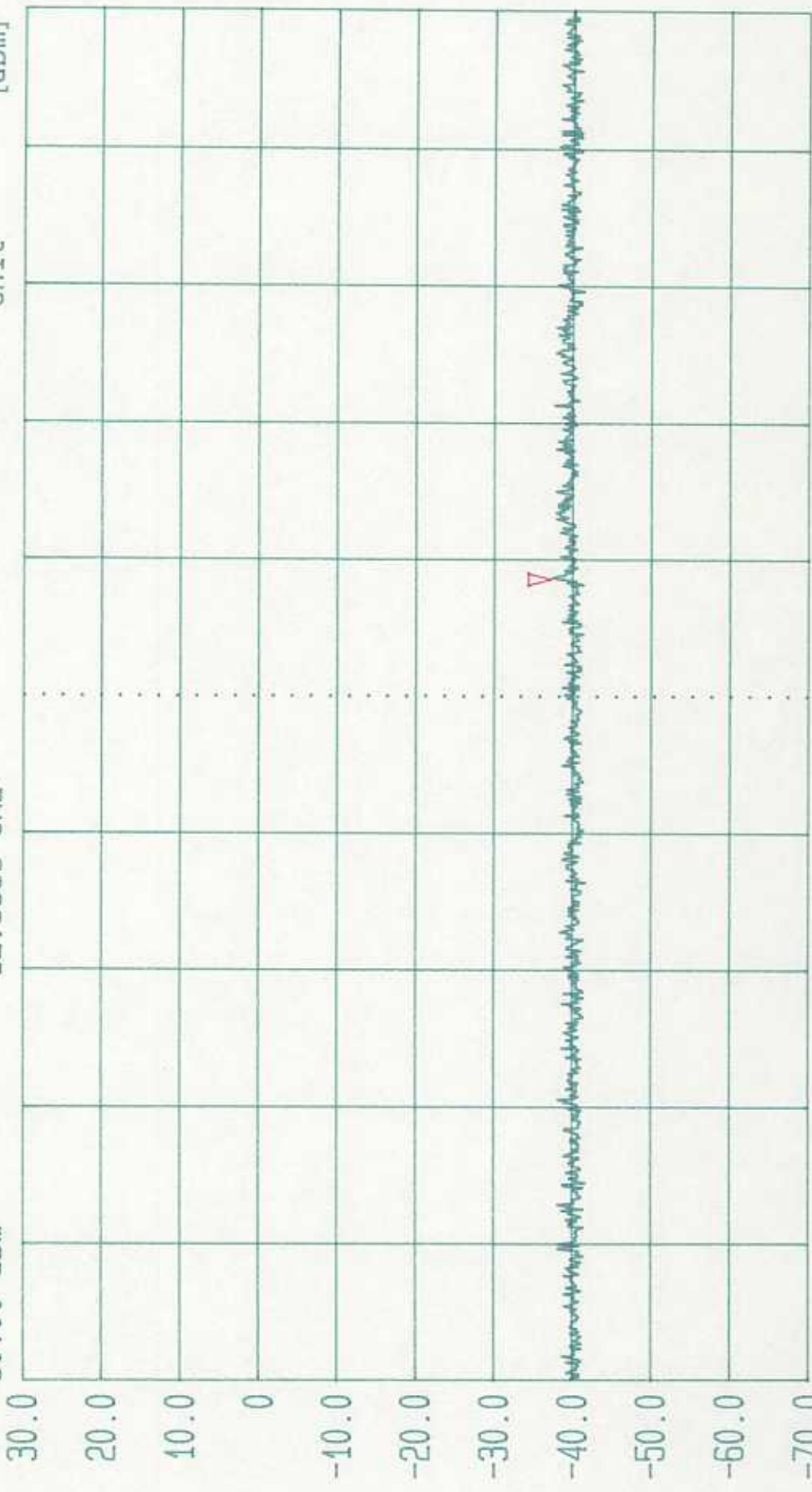


Start 6.375932227 GHz Span 3 MHz Sweep 20 ms Stop 6.378932227 GHz
Center 6.377432227 GHz



Date 17. Jan. '87 Time 02:15:34
 Ref. Lvl 30.00 dBm
 Marker -37.11 dBm
 12.9333 GHz

Res. Bw 100.0 kHz [3dB]
 TG. Lvl off
 CF. Stp 5.000 GHz
 Vid. Bw 1 MHz
 AF. Att 40 dB
 Unit [dBm]

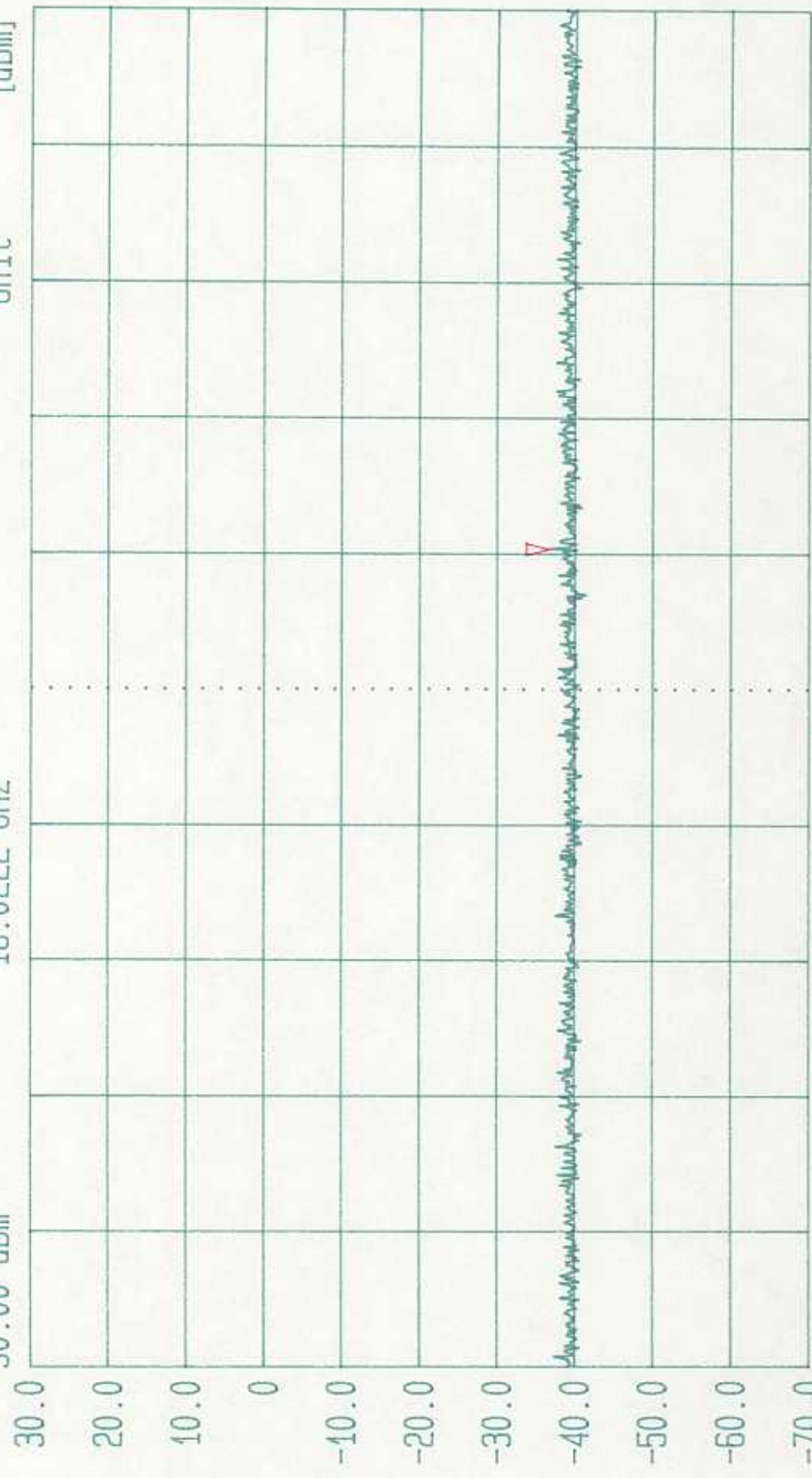


Start 10 GHz
 Span 5 GHz
 Center 12.5 GHz
 Sweep 1.50 s
 Stop 15 GHz



Date 17. Jan. '87 Time 02:19:23
Ref. Lvl 30.00 dBm
Marker -36.42 dBm
18.0222 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl Off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]



Start 15 GHz
Span 5 GHz
Center 17.5 GHz
Sweep 1.50 s
Stop 20 GHz

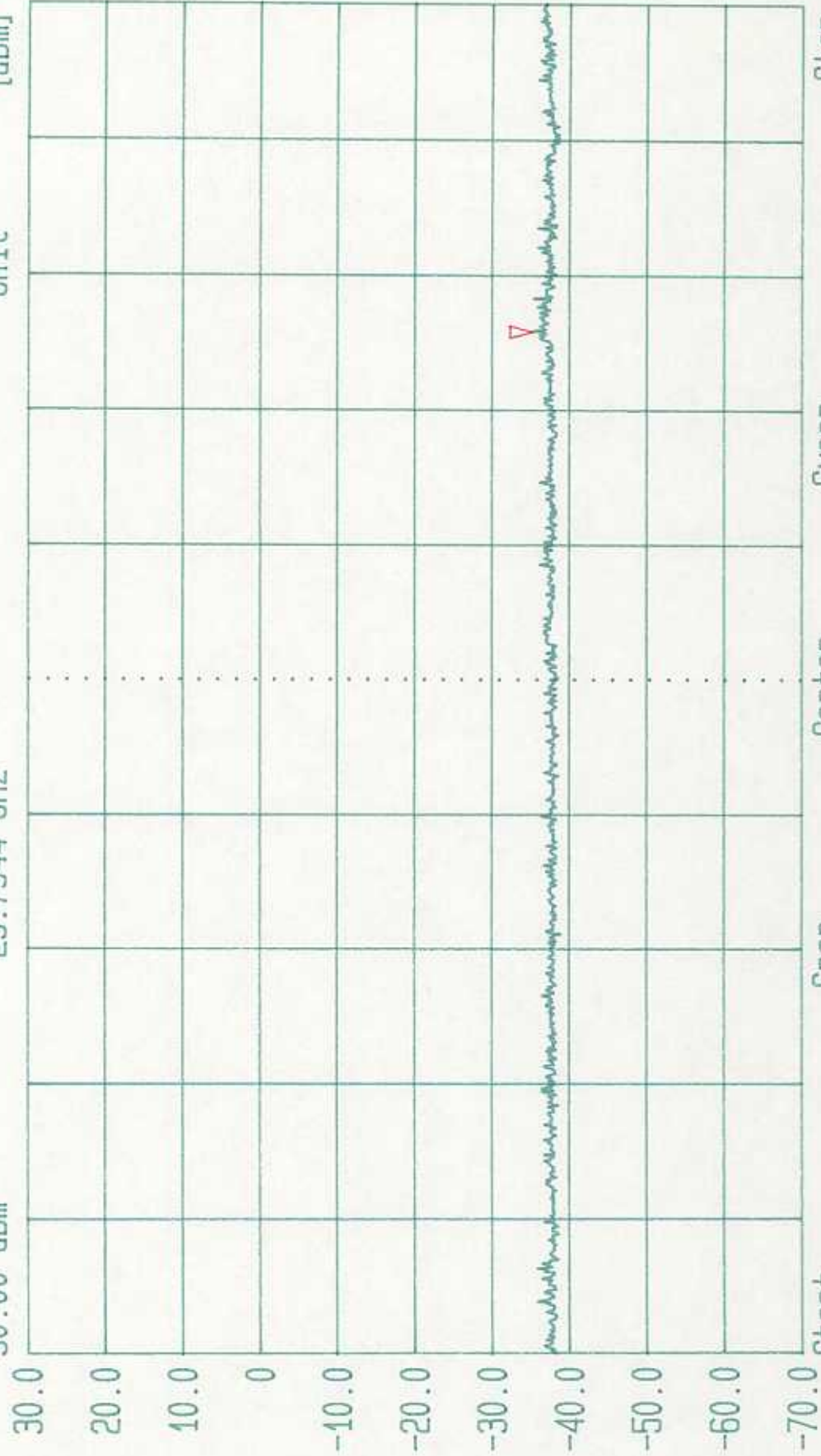


Date 17. Jan. '87 Time 02:22:45

Ref. Lvl 30.00 dBm
Marker -35.10 dBm
23.7944 GHz

Res. Bw 100.0 kHz [3dB]
TG. Lvl off
CF. Stp 5.000 GHz

Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]



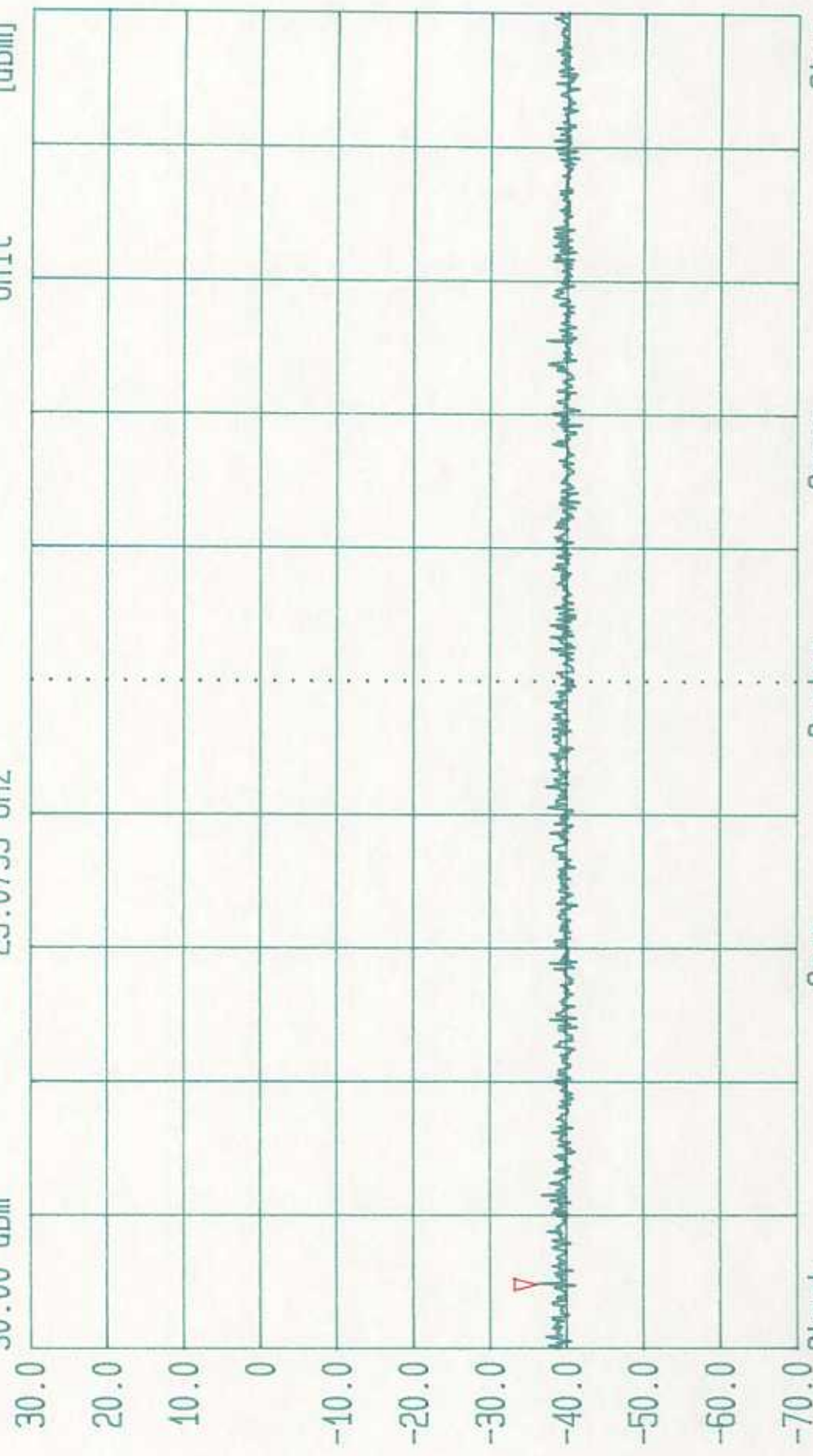
Start 20 GHz
Span 5 GHz
Center 22.5 GHz
Sweep 1.50 s
Stop 25 GHz



Date 17. Jan. '87 Time 02:26:08

Ref. Lvl 30.00 dBm
Marker -36.04 dBm
25.0733 GHz

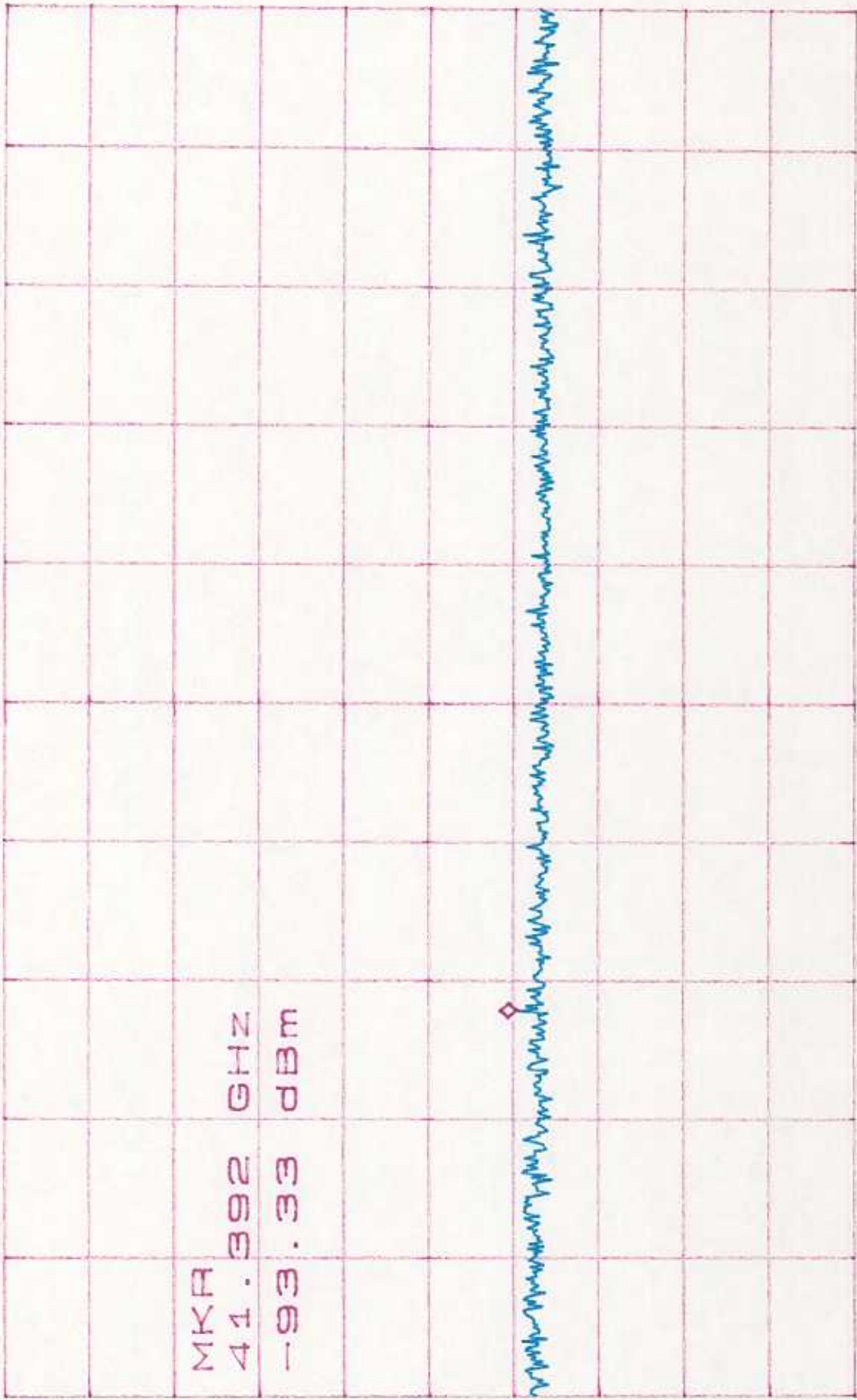
Res. Bw 100.0 kHz [3dB]
TG. Lvl Off
CF. Stp 5.000 GHz
Vid. Bw 1 MHz
RF. Att 40 dB
Unit [dBm]



Start 25 GHz
Span 1.5 GHz
Center 25.75 GHz
Sweep 460 ms
Stop 26.5 GHz

CL 7.0dB
AL -93.0dBm 10dB/
CNT -93.33dBm
40.48607 GHz

MKR
41.392 GHz
-93.33 dBm



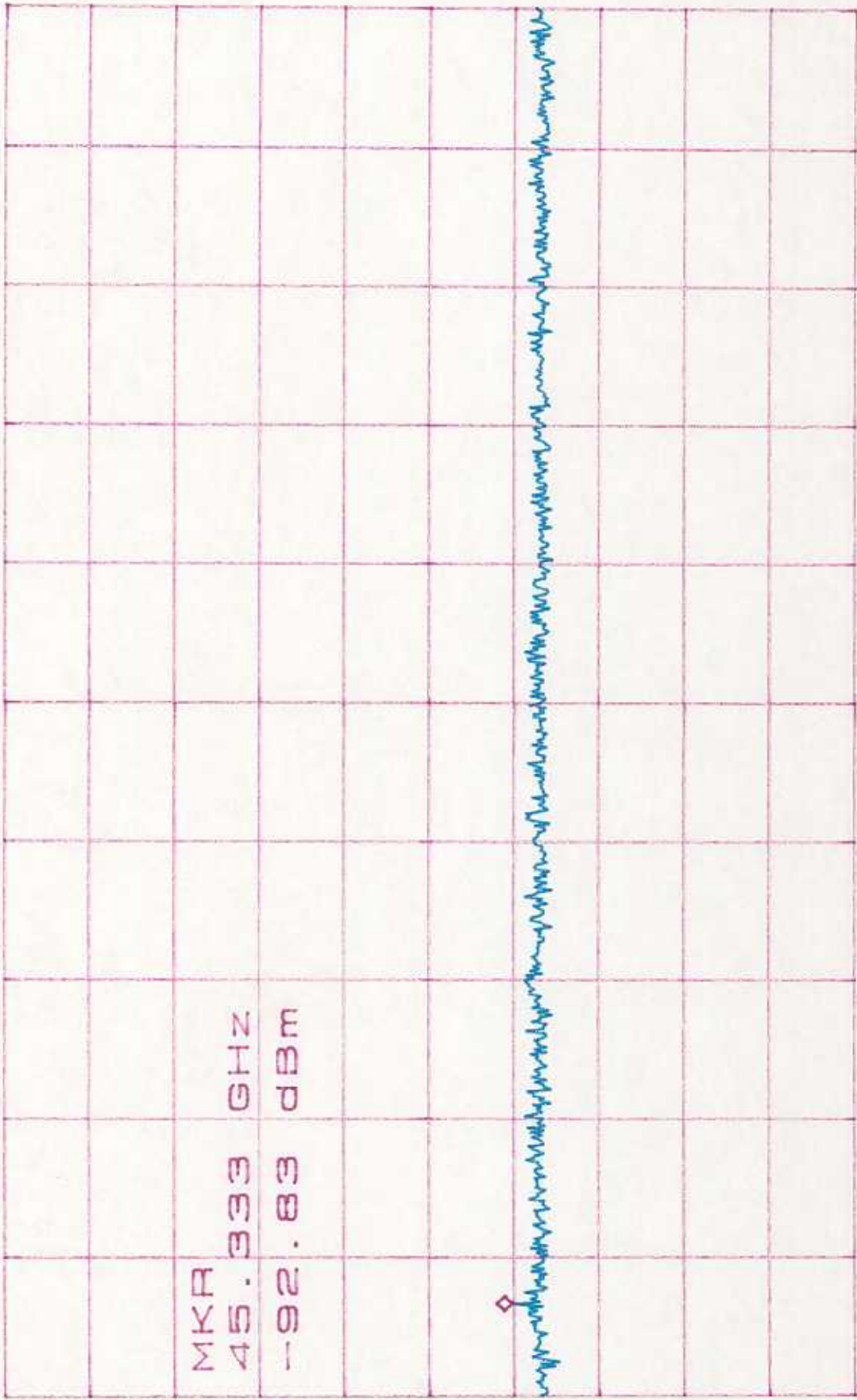
D

CENTER 42.500GHZ SPAN 5.000GHZ
*RBW 100KHZ *VBW 1.0MHZ SWP 1.30sec

0.00000
0.00000
0.00000

9/18/08
D. H.
04900
020357

CL 7.0dB CNT -92.83dBm
AL -33.0dBm 10dB/ 46.44741 GHz



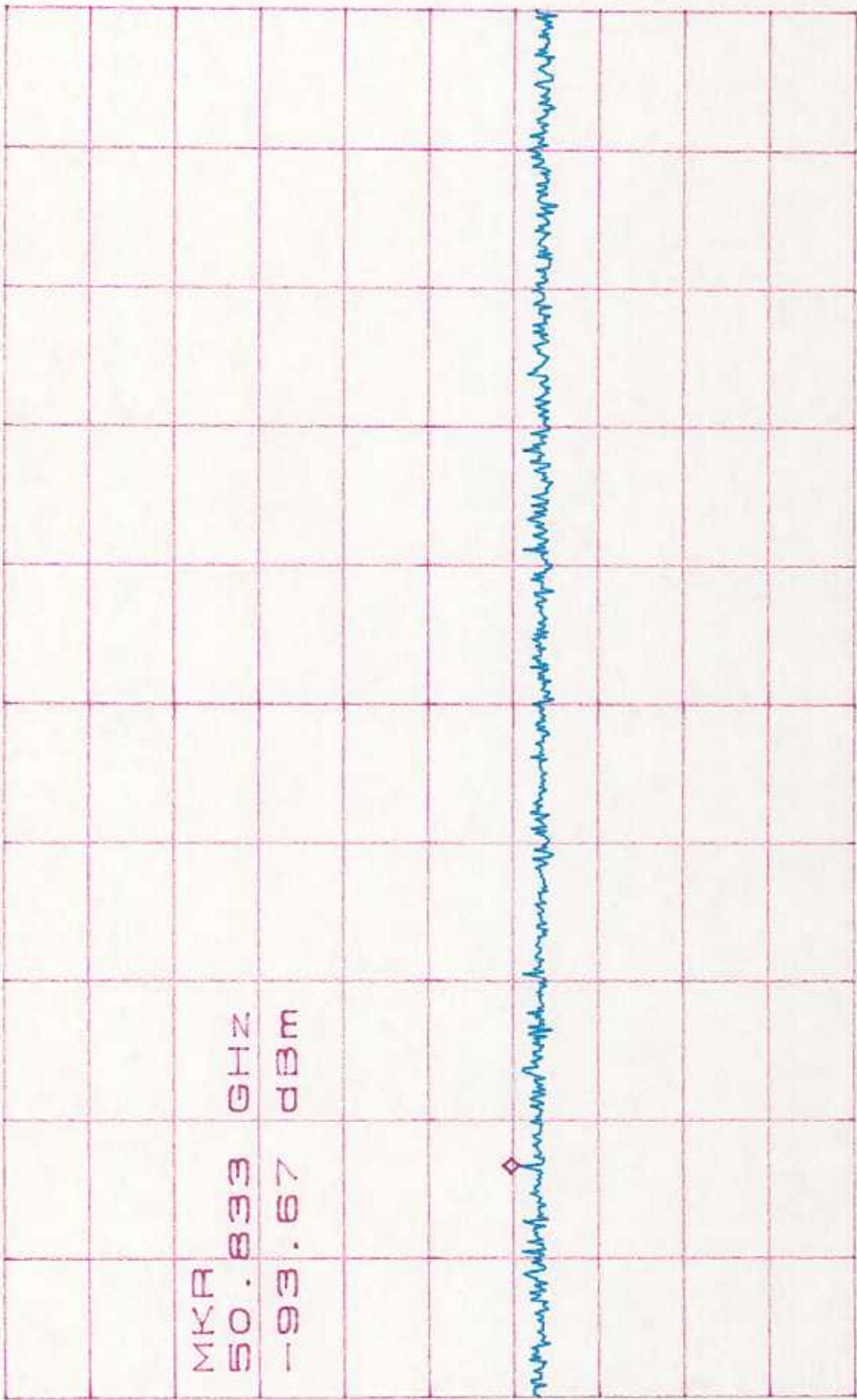
CENTER 47.500GHz SPAN 5.000GHz
*RBW 100kHz *VBW 1.0MHz SWP 1.30sec

EX100-24
D.P.
08/04
00.000

CL 7.0dB
AL -33.0dBm
CNT -93.67dBm
50.26643 GHz

10dB/

MKR
50.833 GHz
-93.67 dBm

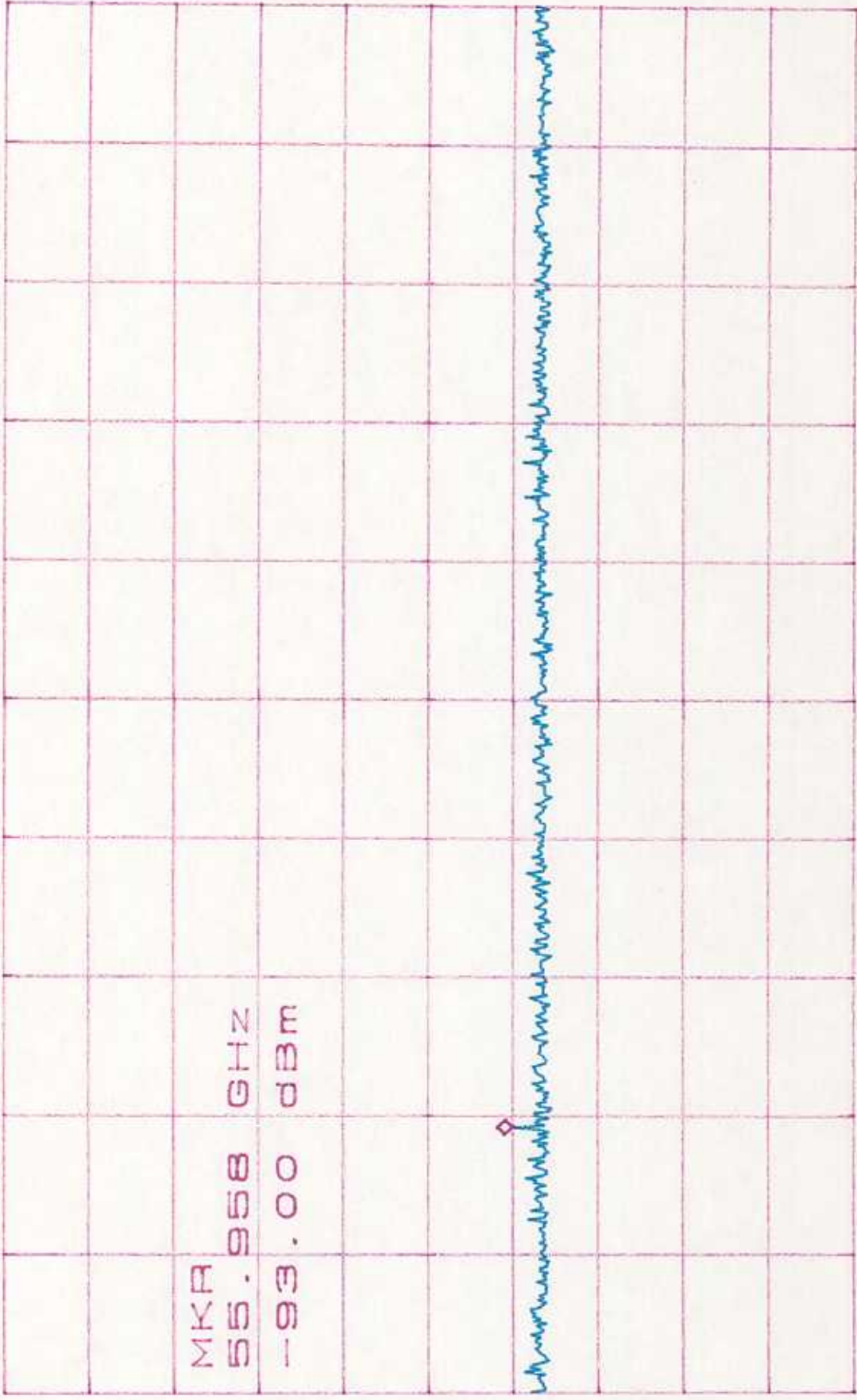


D

CENTER 52.500GHZ
*RBW 100KHZ *VBW 1.0MHZ
SPAN 5.000GHZ
SWP 1.30sec

CL 7.0dB
AL -33.0dBm
CNT -93.00dBm
60.02141 GHz
10dB/

MKR
55.958 GHz
-93.00 dBm



CENTER 57.500GHZ
*RBW 100KHZ *VBW 1.0MHZ
SPAN 5.000GHZ
SWP 1.30sec

2700580
2018
209.000
50.215

D