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

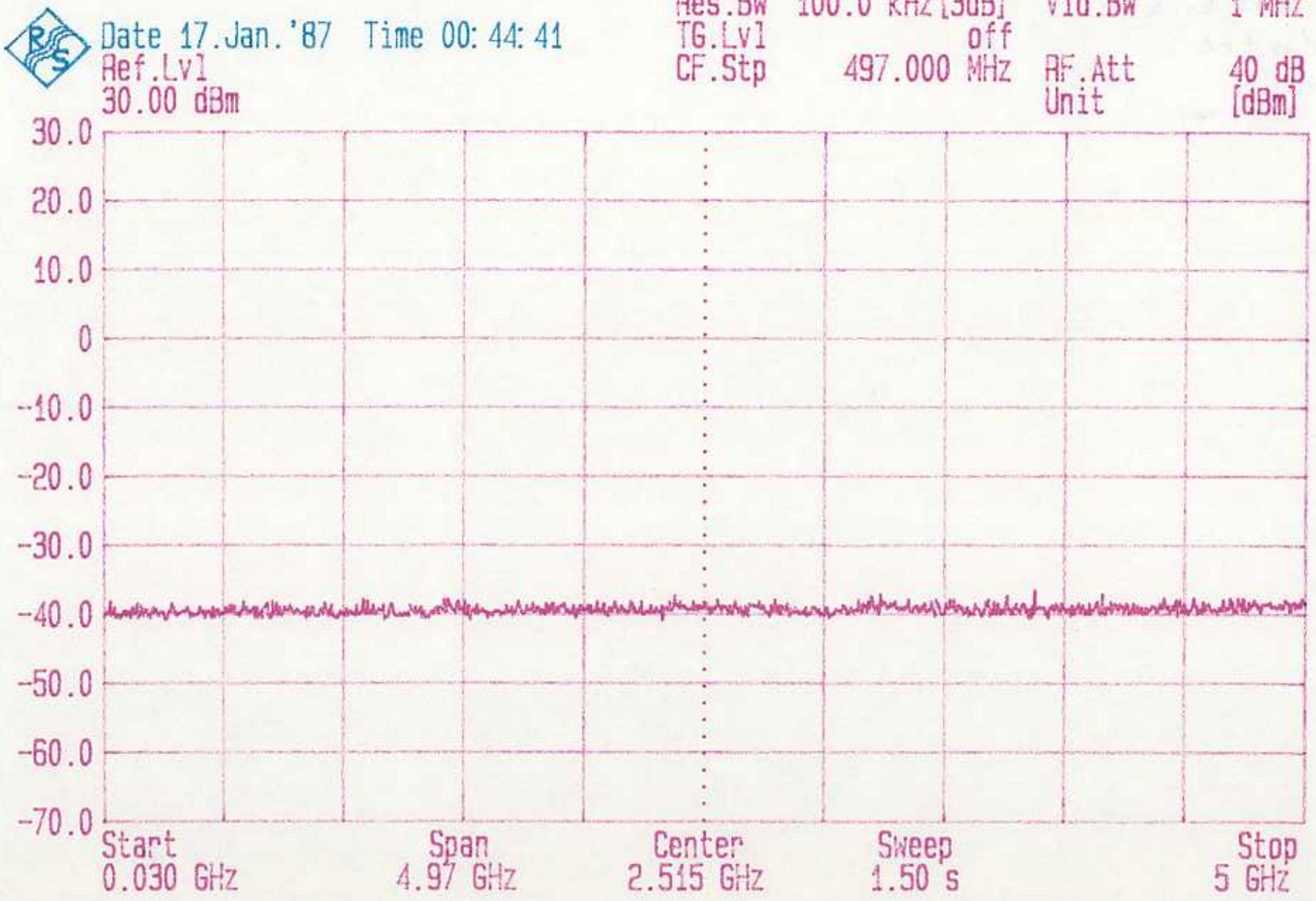
Antenna Conducted
Spurious Emissions

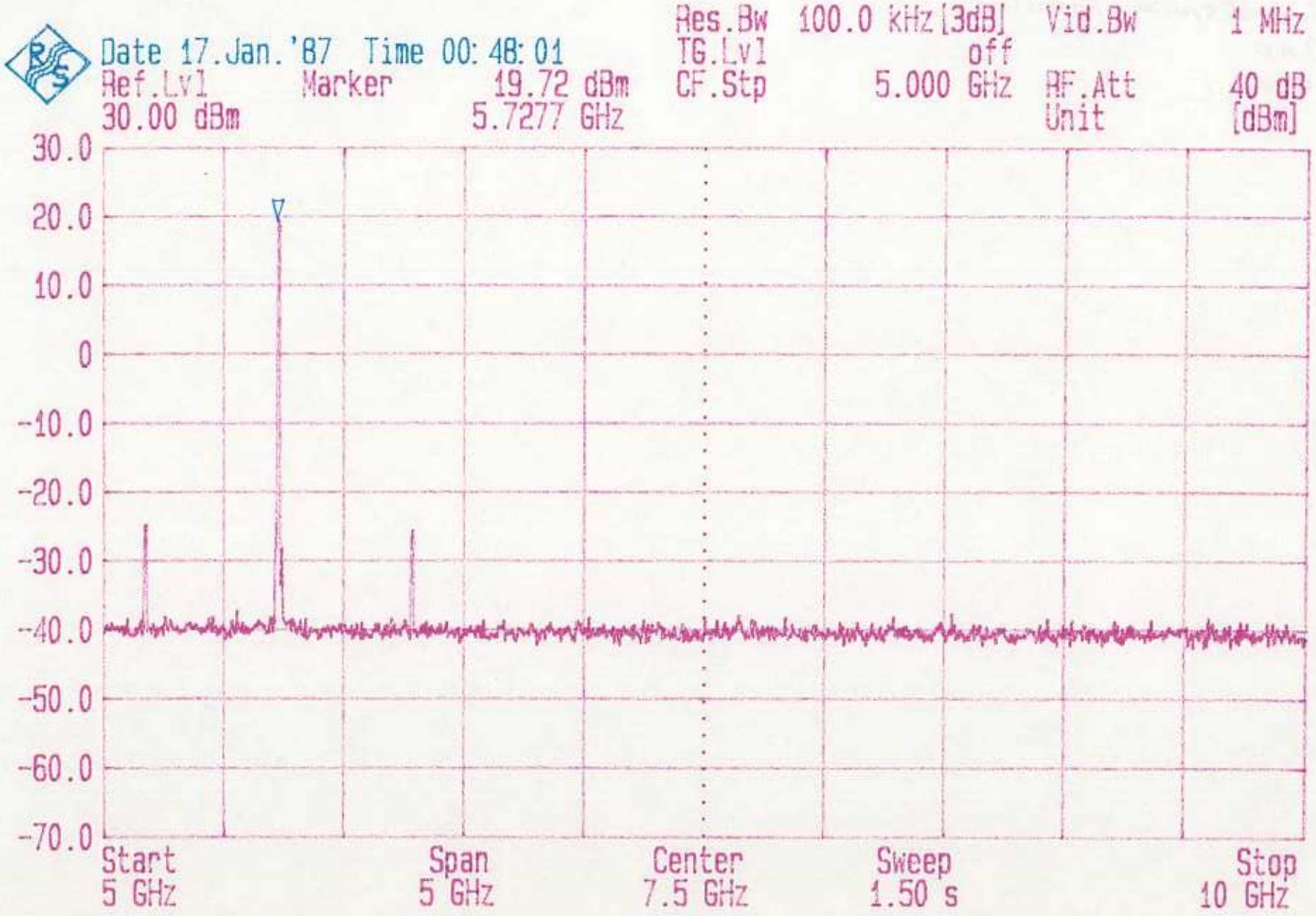
Data Plots

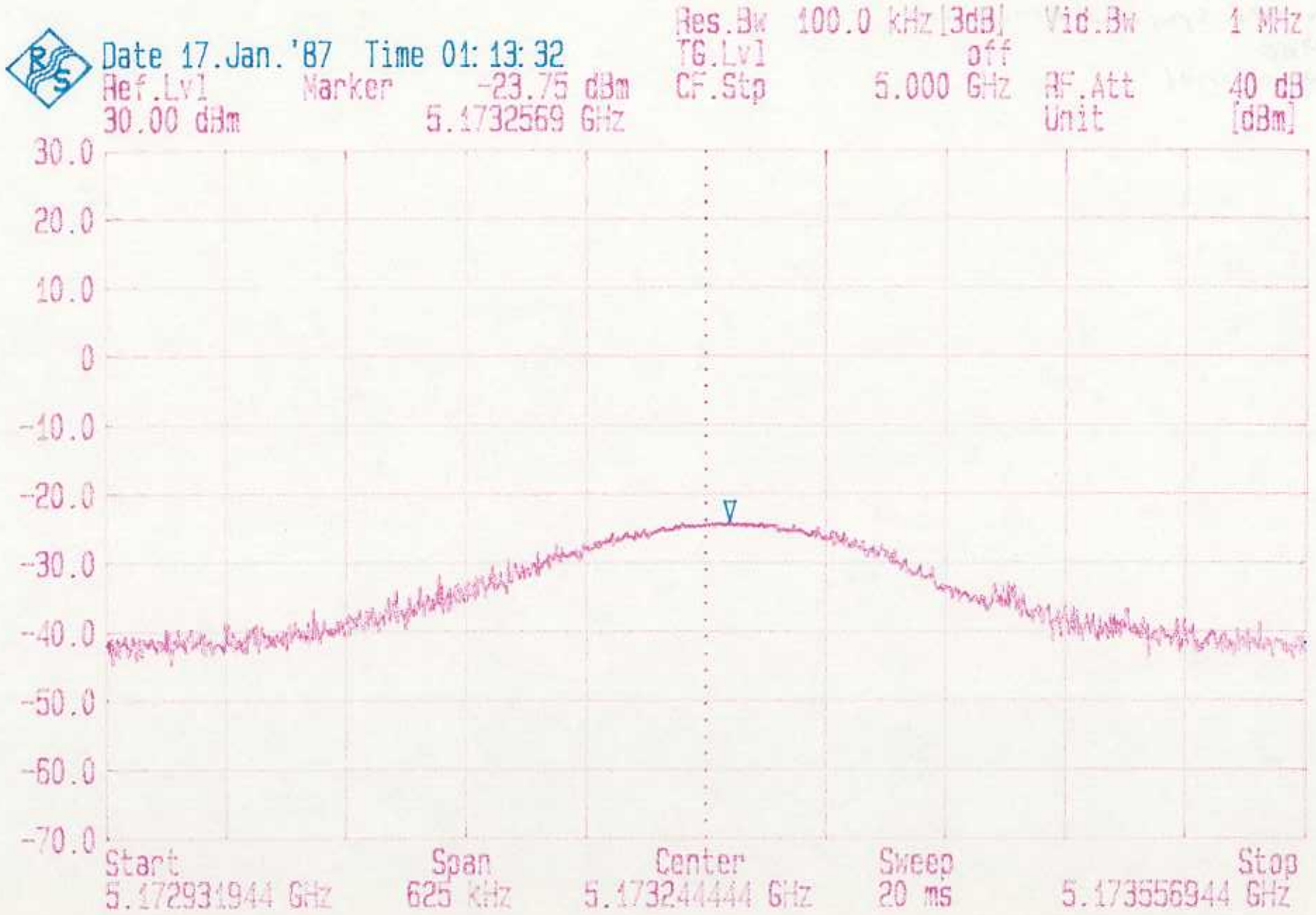
ACS Report Number: 03-0143-15BC

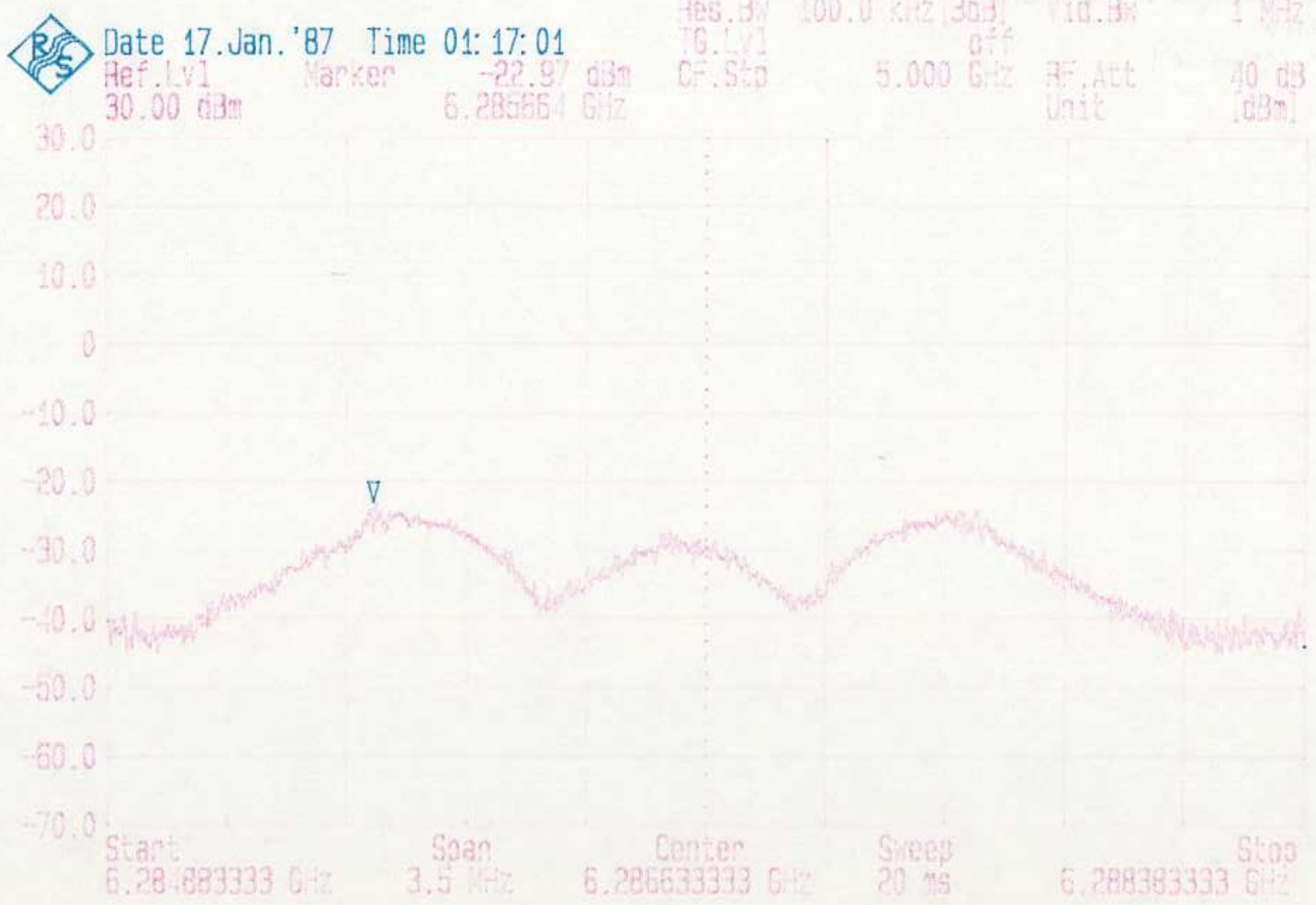
Manufacturer: Cirronet, Inc.
Model: WIT5811

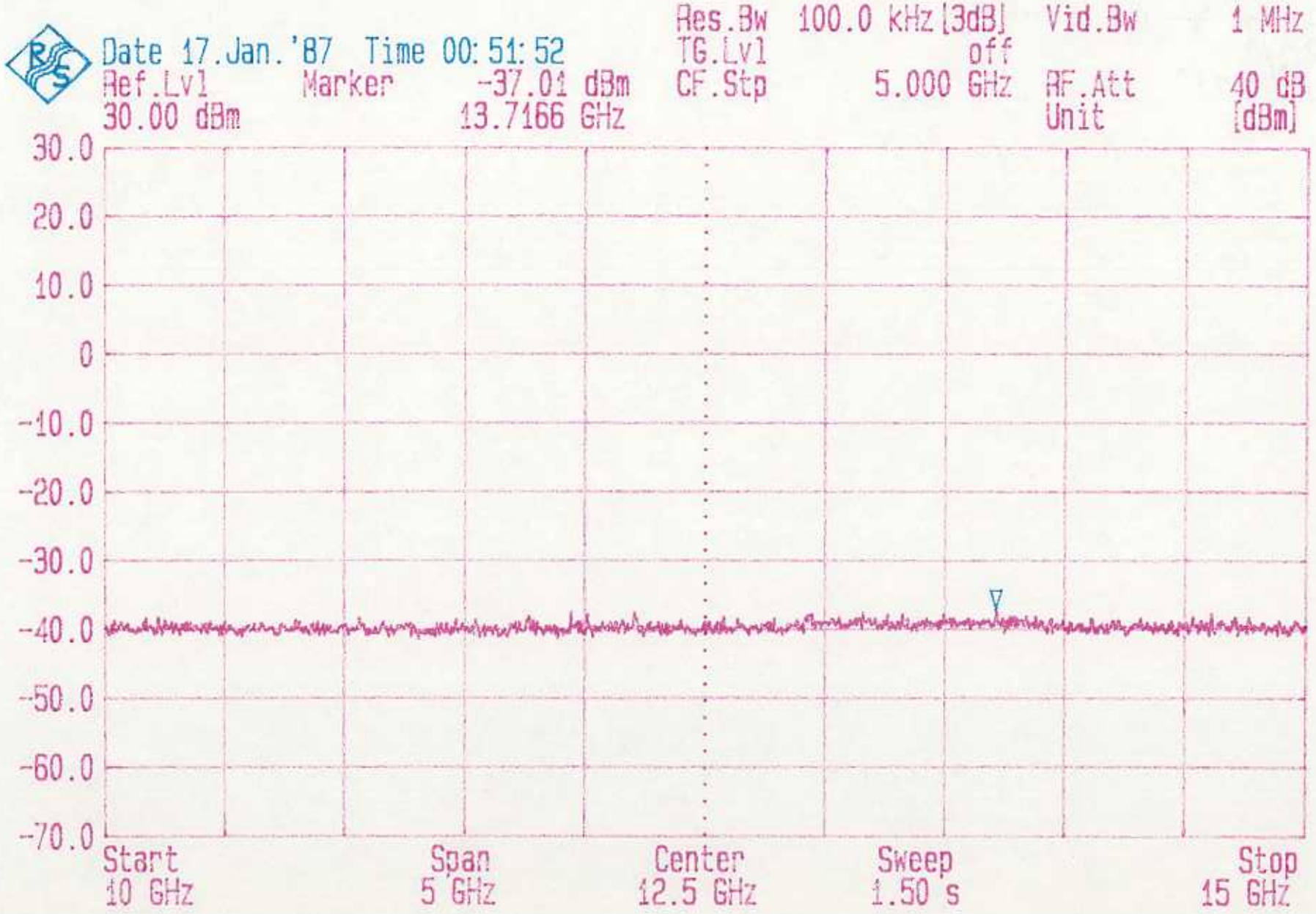
Test: Antenna Conducted Spurious Emissions
Channel: Low

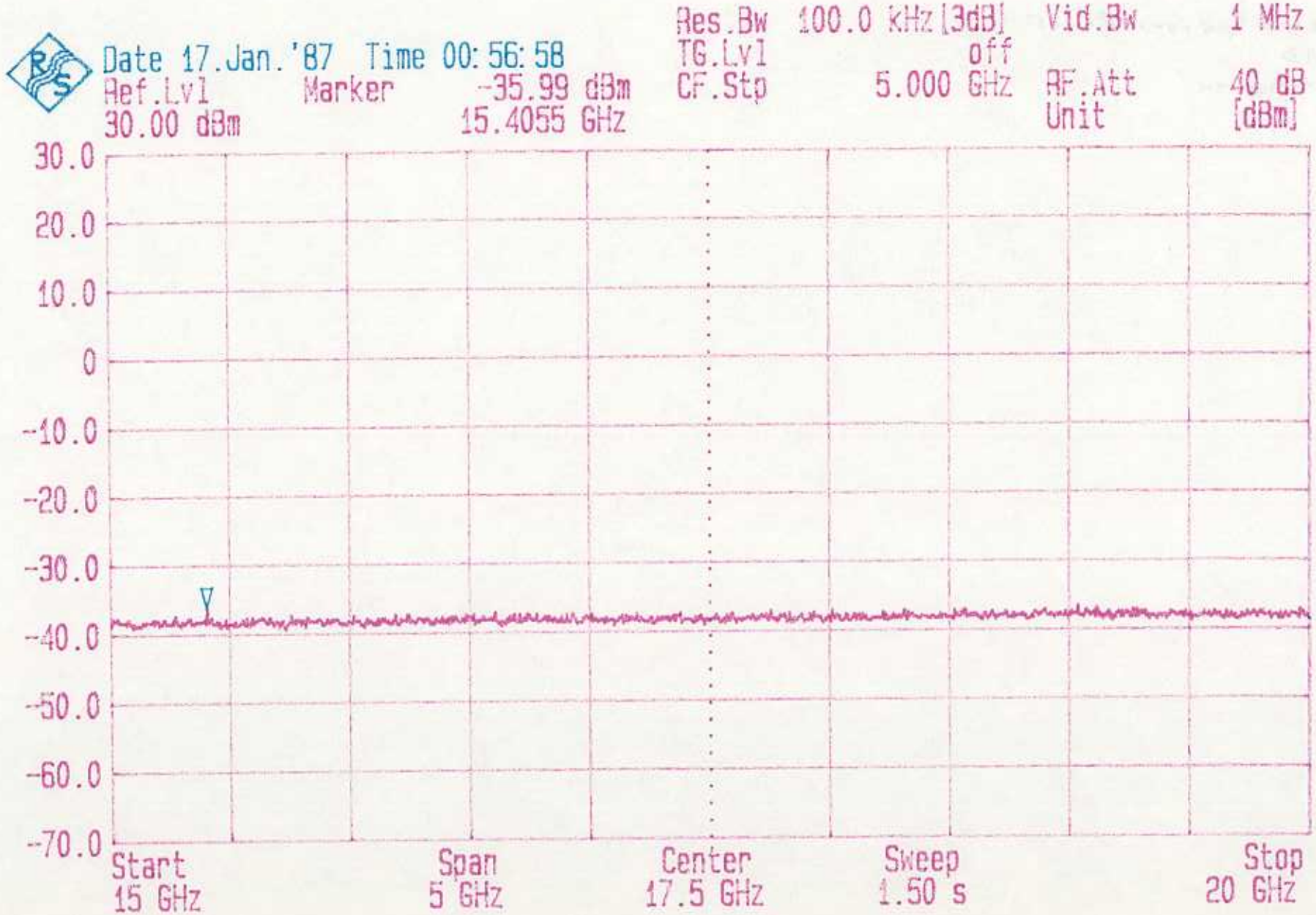

Date 17.Jan.'87 Time 00:44:41
Ref.Lvl
30.00 dBm
Res.Bw 100.0 kHz [3dB]
TG.Lvl off
CF.Stp 497.000 MHz
Vid.Bw 1 MHz
RF.Att 40 dB
Unit [dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start 0.030 GHz
Span 4.97 GHz
Center 2.515 GHz
Sweep 1.50 s
Stop 5 GHz

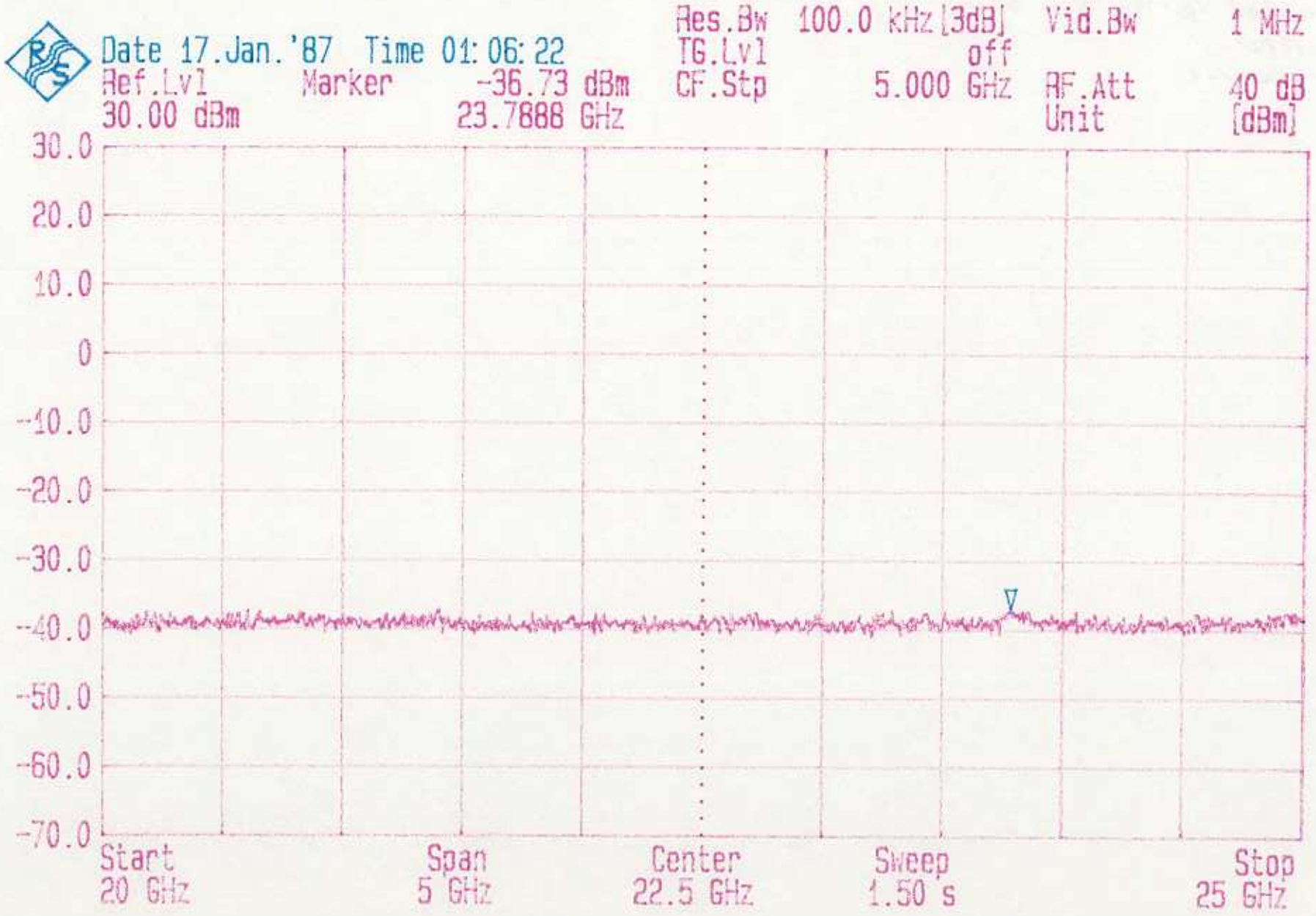

Date 17.Jan.'87 Time 00:48:01
Ref.Lvl
30.00 dBm
Marker
19.72 dBm
5.7277 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
5 GHz
Span
5 GHz
Center
7.5 GHz
Sweep
1.50 s
Stop
10 GHz

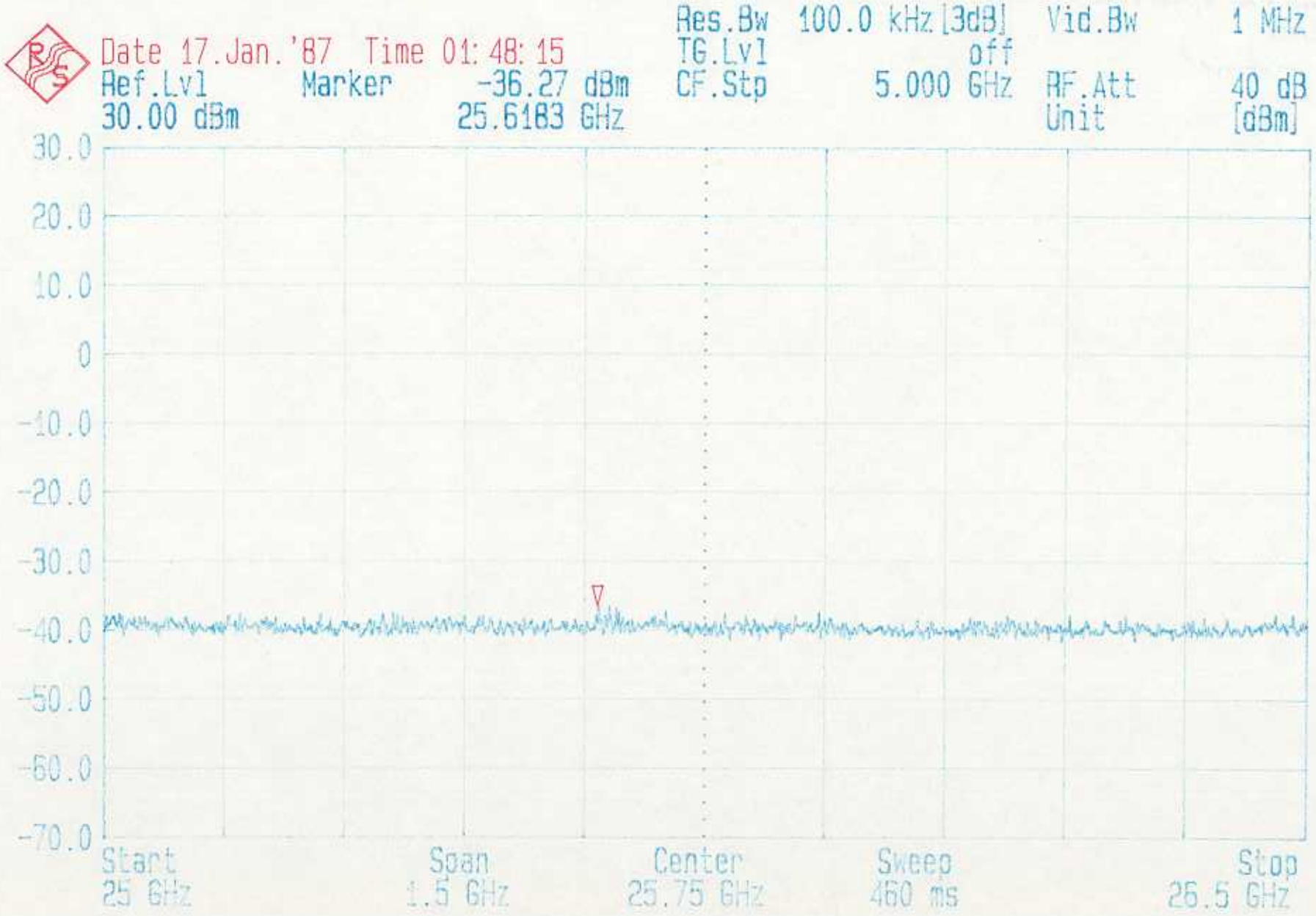

Date 17.Jan.'87 Time 01:13:32
Ref.Lvl
30.00 dBm
Marker
-23.75 dBm
5.1732569 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
5.172931944 GHz
Span
625 kHz
Center
5.173244444 GHz
Sweep
20 ms
Stop
5.173556944 GHz

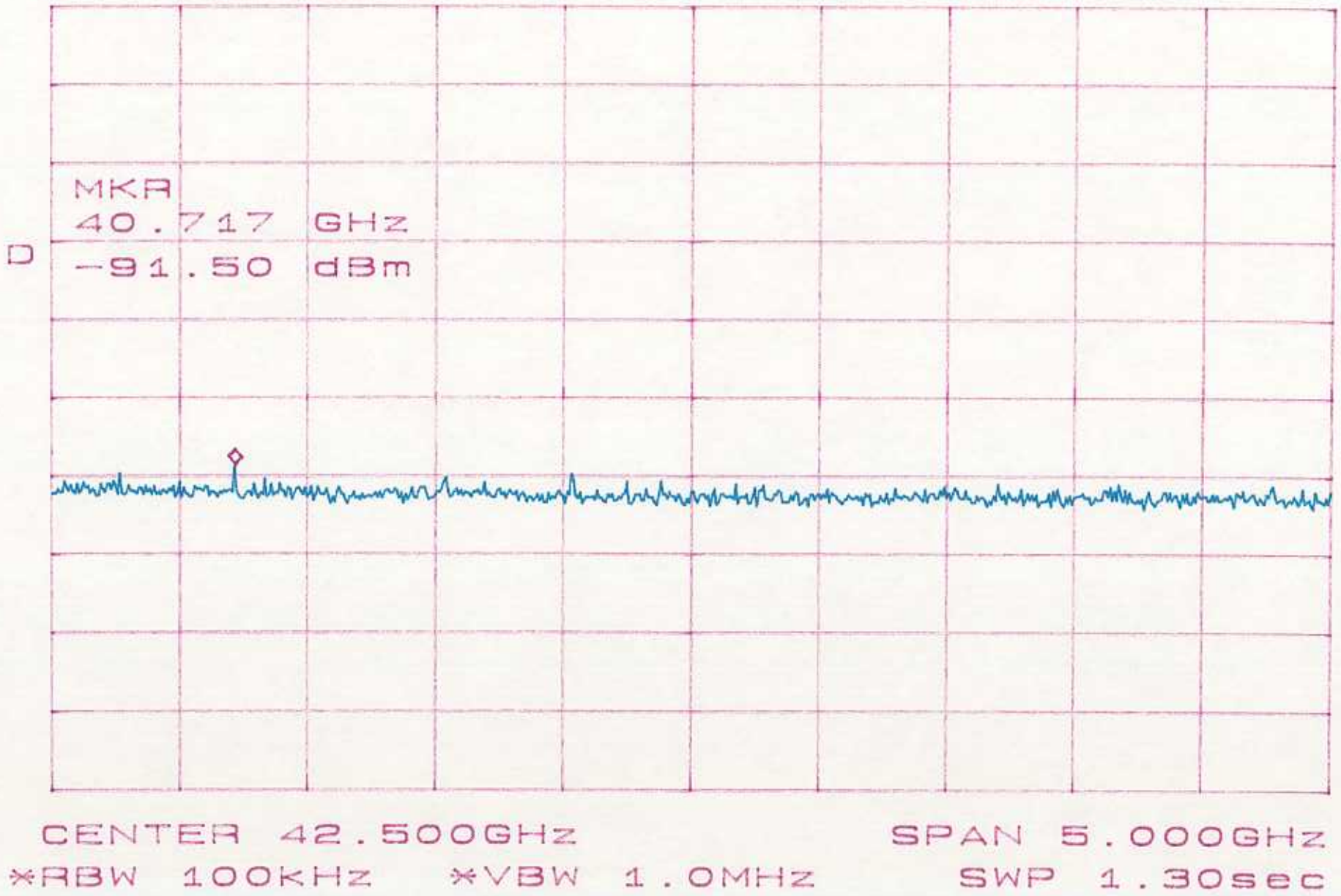

Date 17.Jan.'87 Time 01:17:01
Ref.Lvl
30.00 dBm
Marker
-22.97 dBm
6.285664 GHz
Res.BW 100.0 kHz (3dB)
TG.Lvl
CF.Stp
5.000 GHz
Vid.BW
1 MHz
off
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
6.284083333 GHz
Span
3.5 MHz
Center
6.286633333 GHz
Sweep
20 ms
Stop
6.288383333 GHz

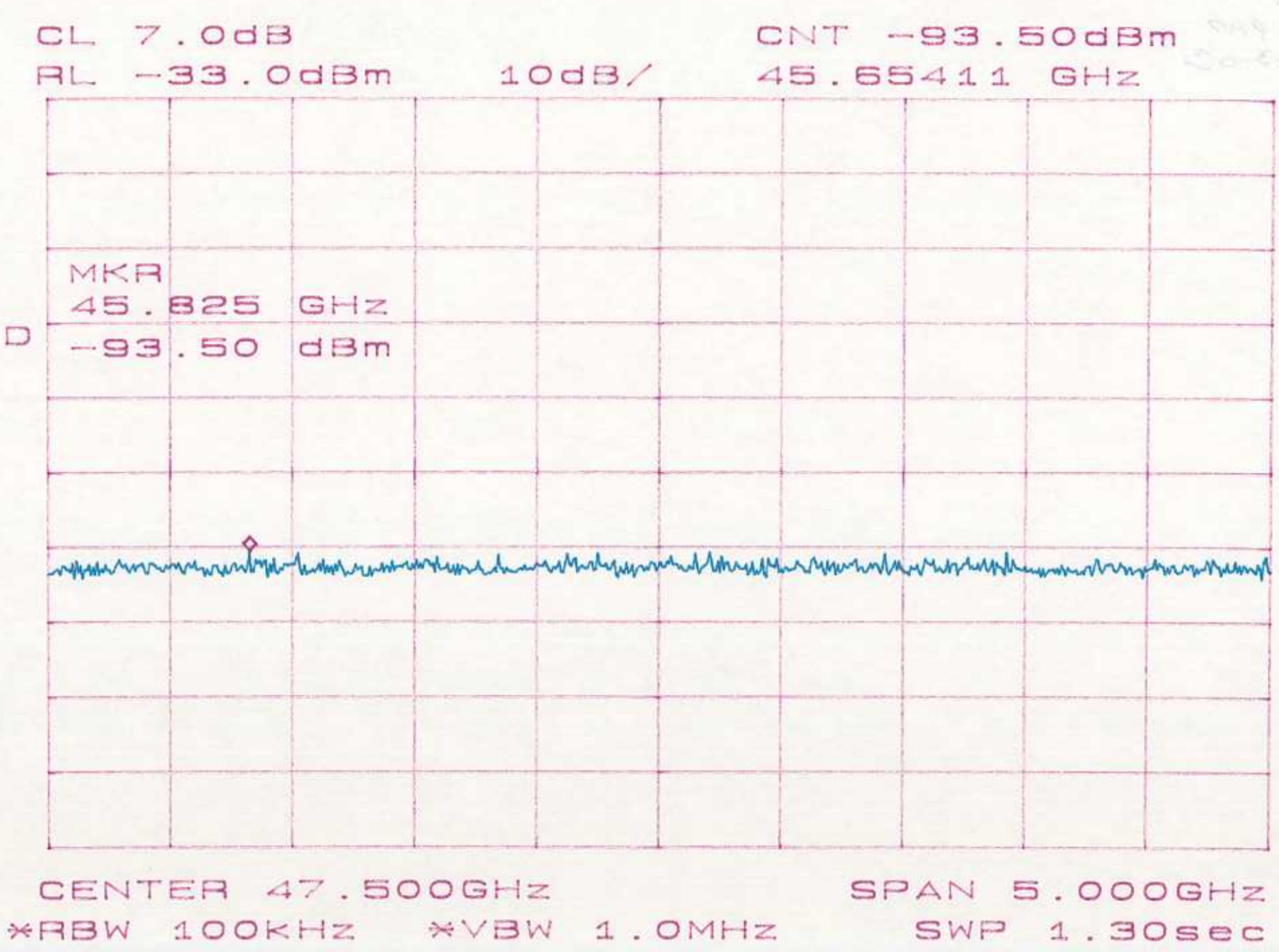

Date 17.Jan.'87 Time 00:51:52
Ref.Lvl
30.00 dBm
Marker
-37.01 dBm
13.7166 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
10 GHz
Span
5 GHz
Center
12.5 GHz
Sweep
1.50 s
Stop
15 GHz

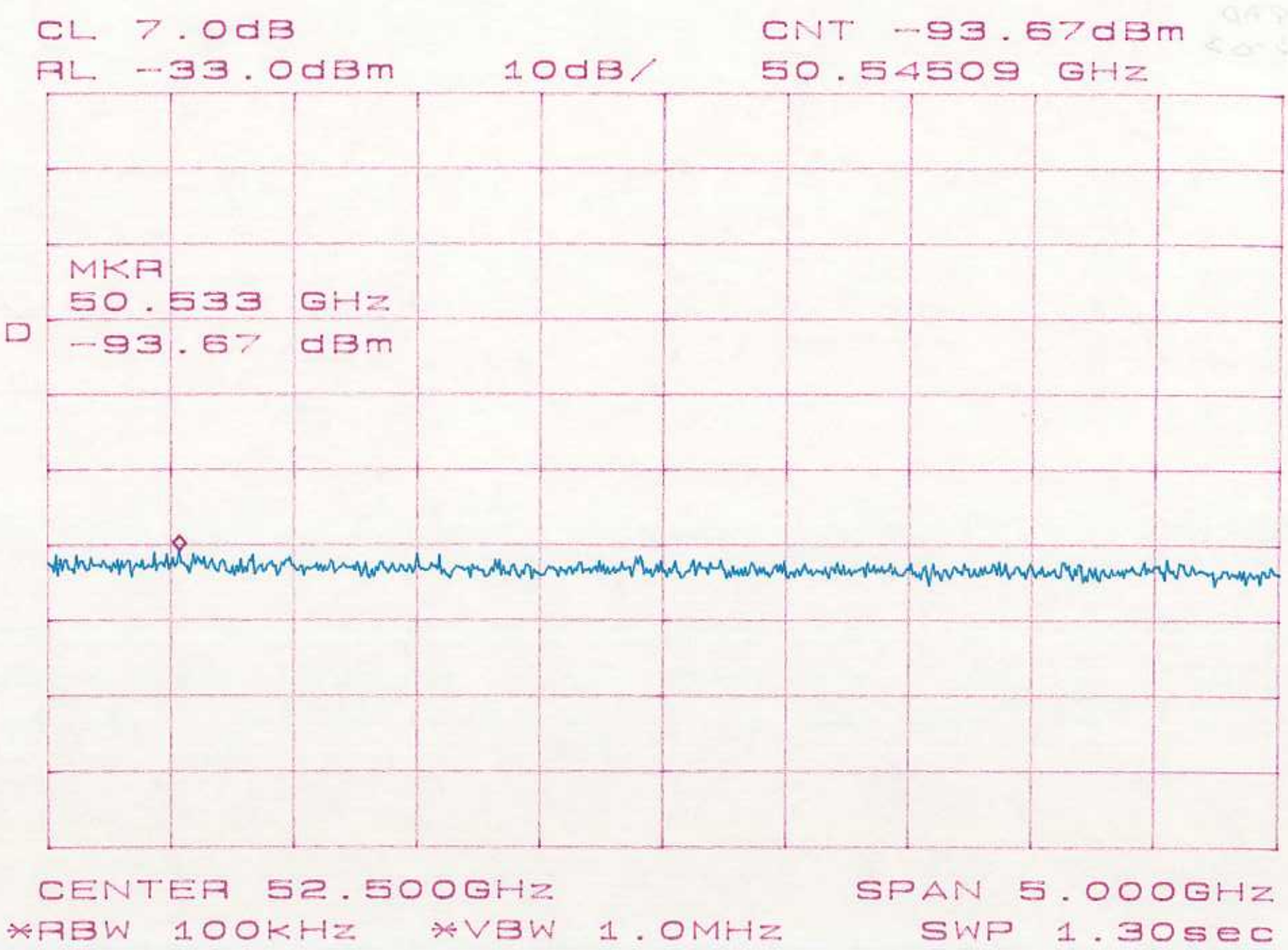

Date 17.Jan.'87 Time 00:56:58
Ref.Lvl
30.00 dBm
Marker
-35.99 dBm
15.4055 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
15 GHz
Span
5 GHz
Center
17.5 GHz
Sweep
1.50 s
Stop
20 GHz

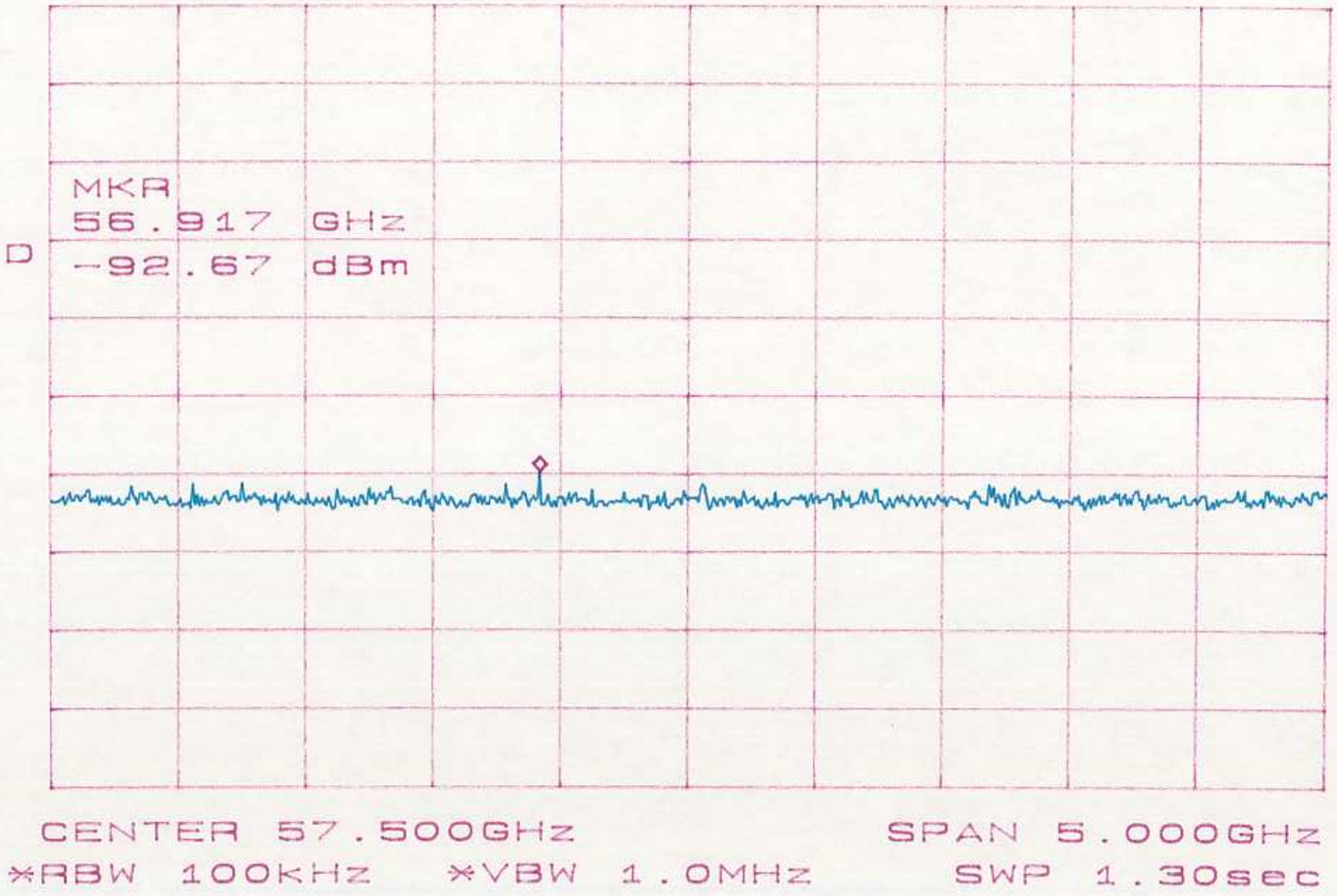

Date 17.Jan.'87 Time 01:06:22
Ref.Lvl
30.00 dBm
Marker
-36.73 dBm
23.7888 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
20 GHz
Span
5 GHz
Center
22.5 GHz
Sweep
1.50 s
Stop
25 GHz


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]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
25 GHz
Span
1.5 GHz
Center
25.75 GHz
Sweep
460 ms
Stop
26.5 GHz


CL 7.0dB
CNT -91.50dBm
RL -33.0dBm
10dB/
40.17005 GHz
MKR
40.717 GHz
D
-91.50 dBm
CENTER 42.500GHz
SPAN 5.000GHz
*RBW 100KHz
*VBW 1.0MHz
SWP 1.30sec


CL 7.0dB
CNT -93.50dBm
RL -33.0dBm
10dB/
45.65411 GHz
MKR
45.825 GHz
D
-93.50 dBm
CENTER 47.500GHz
SPAN 5.000GHz
*RBW 100KHz
*VBW 1.0MHz
SWP 1.30sec


CL 7.0dB
CNT -93.67dBm
RL -33.0dBm
10dB/
50.54509 GHz
MKR
50.533 GHz
D
-93.67 dBm
CENTER 52.500GHz
SPAN 5.000GHz
*RBW 100kHz
*VBW 1.0MHz
SWP 1.30sec

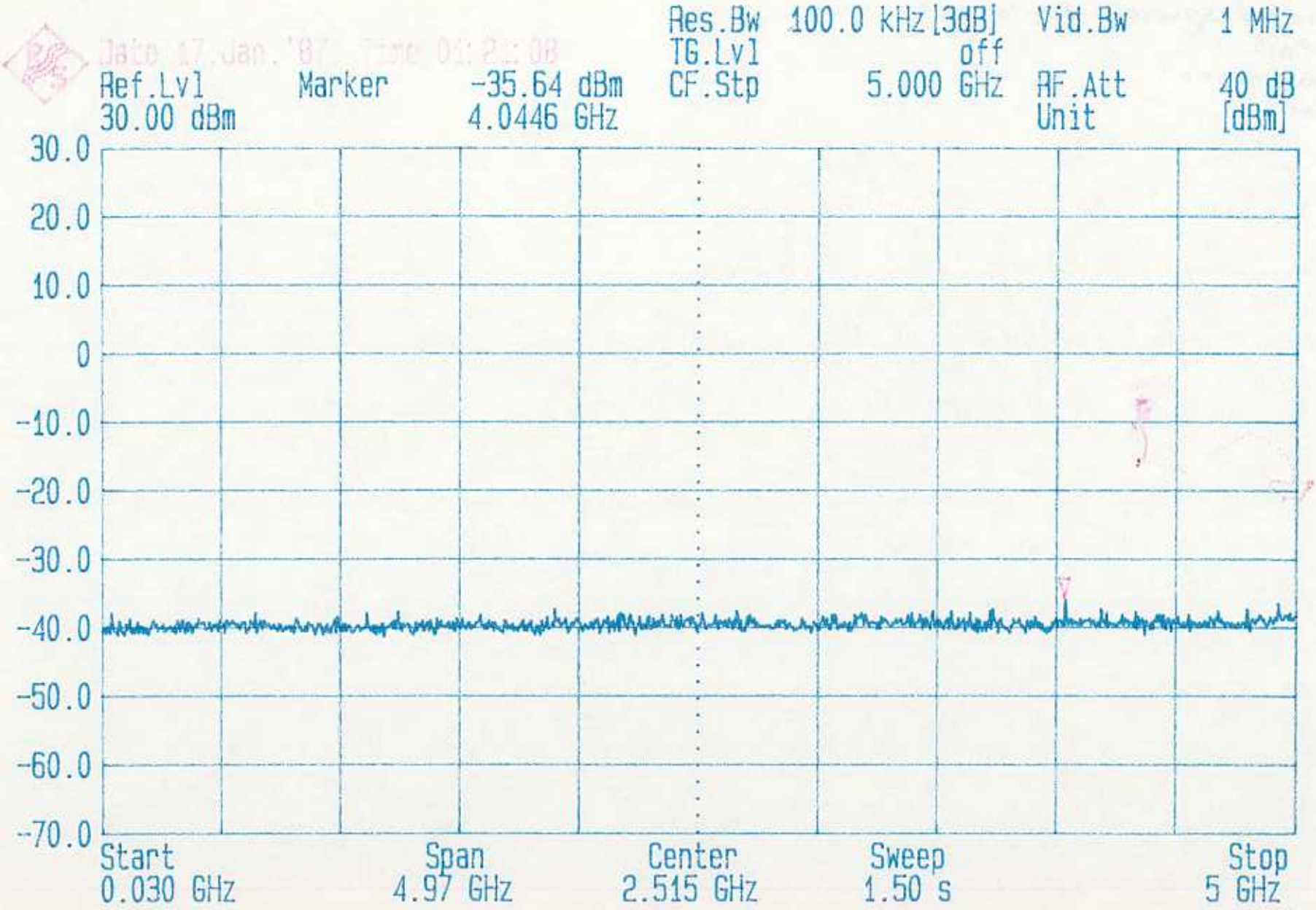

CL 7.0dB
CNT -92.67dBm
RL -33.0dBm
10dB/
57.38883 GHz
MKR
56.917 GHz
D
-92.67 dBm
CENTER 57.500GHz
SPAN 5.000GHz
*RBW 100KHz
*VBW 1.0MHz
SWP 1.30sec

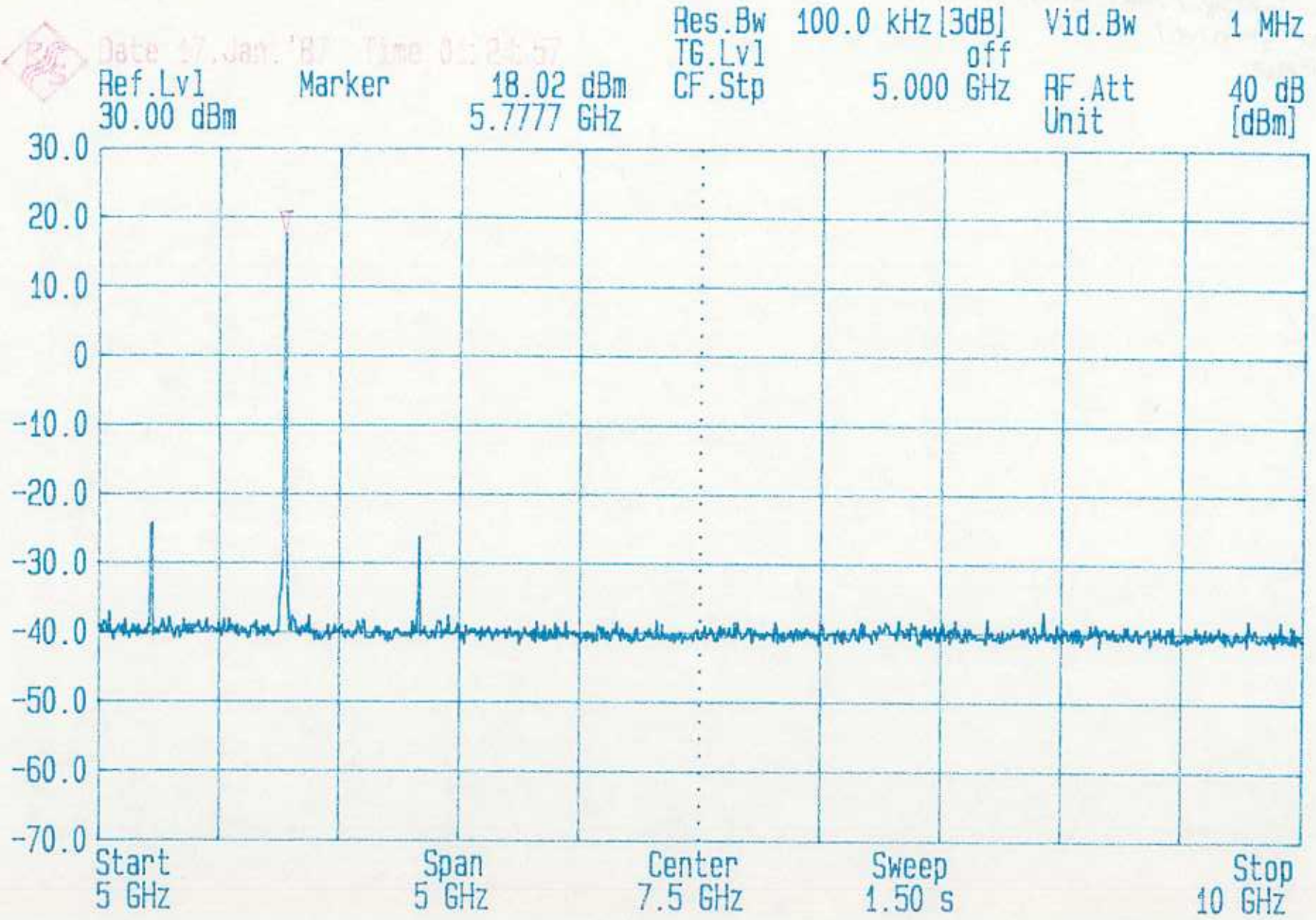
Data Plots

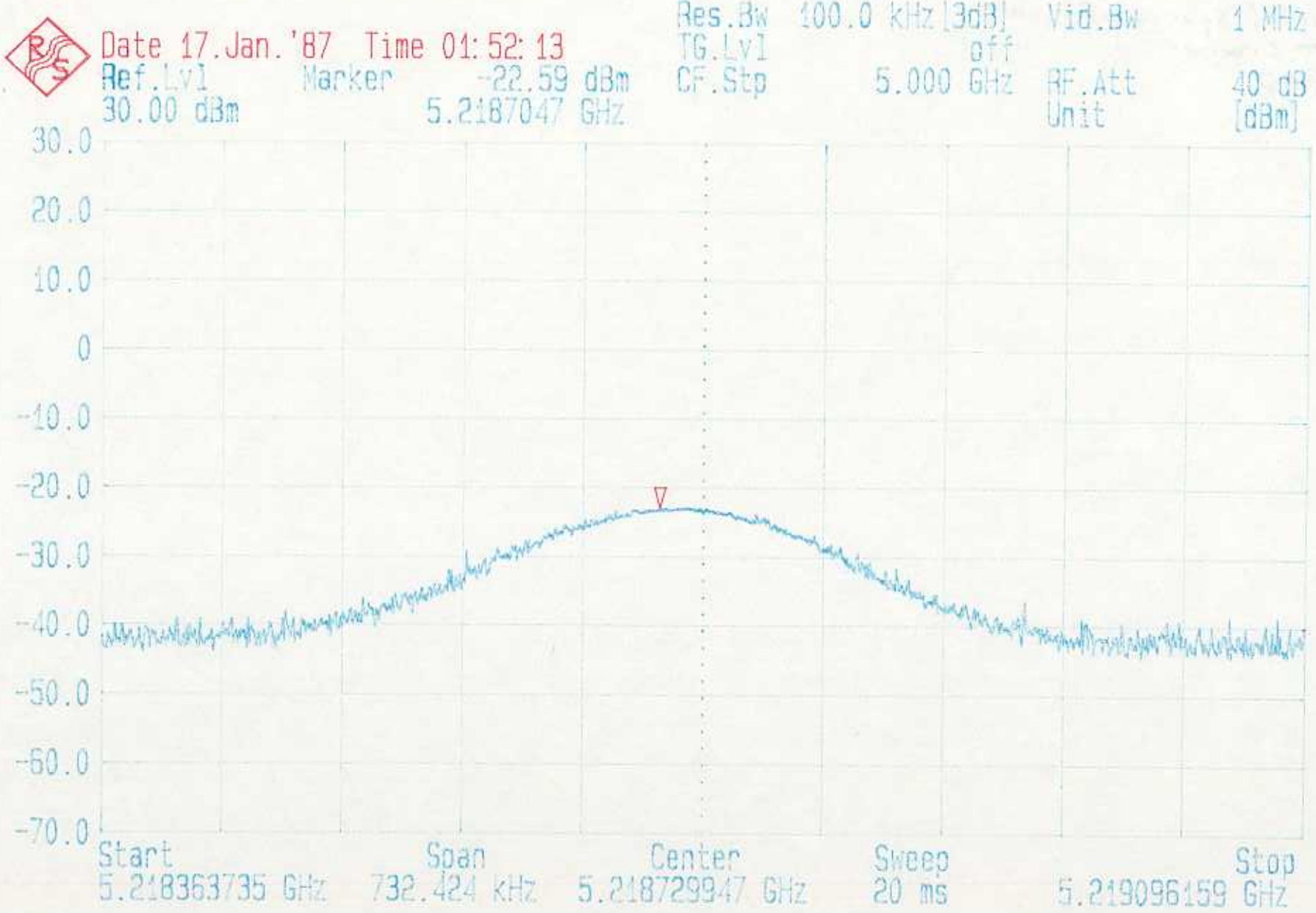
ACS Report Number: 03-0143-15BC

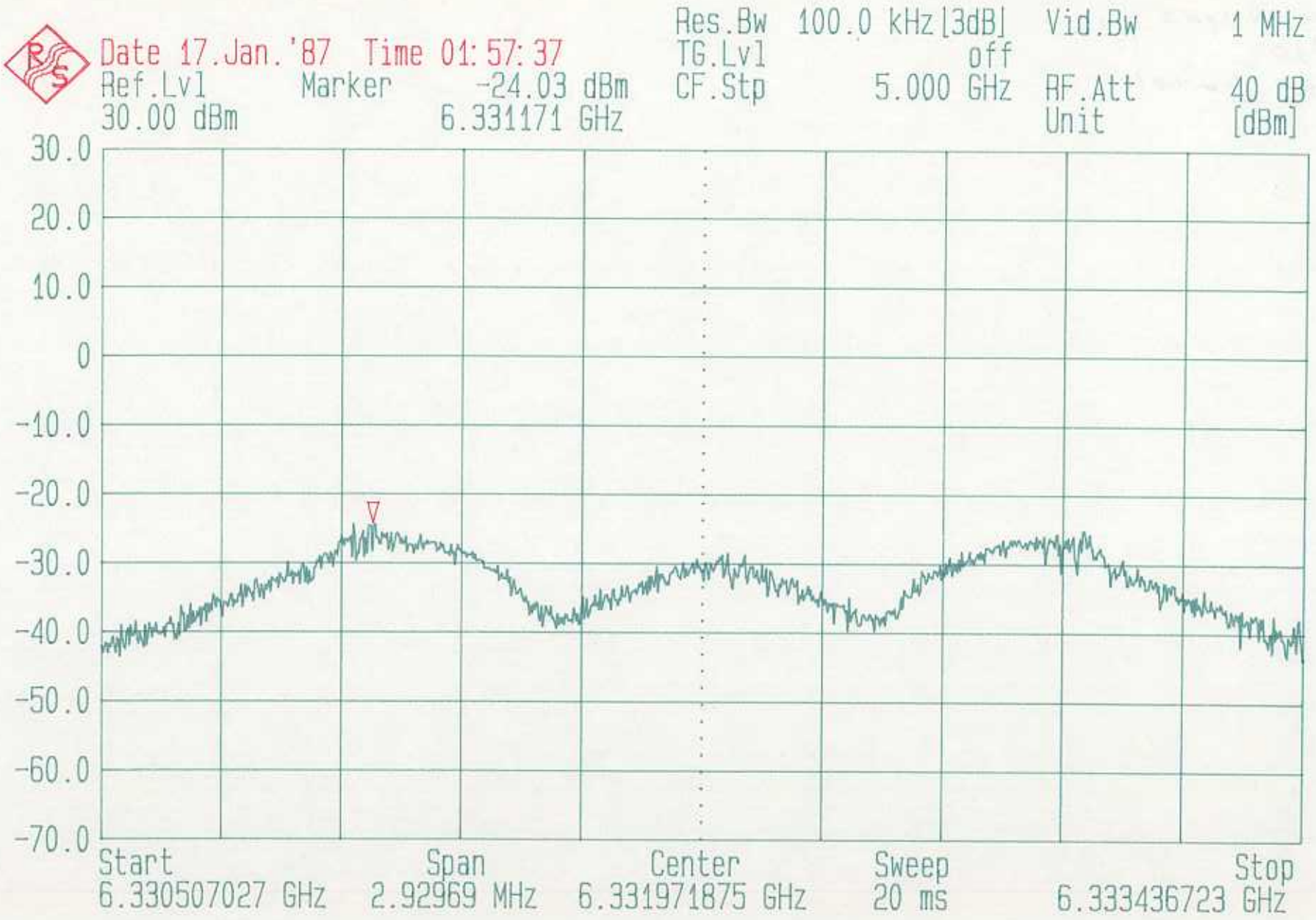
Manufacturer: Cirronet, Inc.
Model: WIT5811

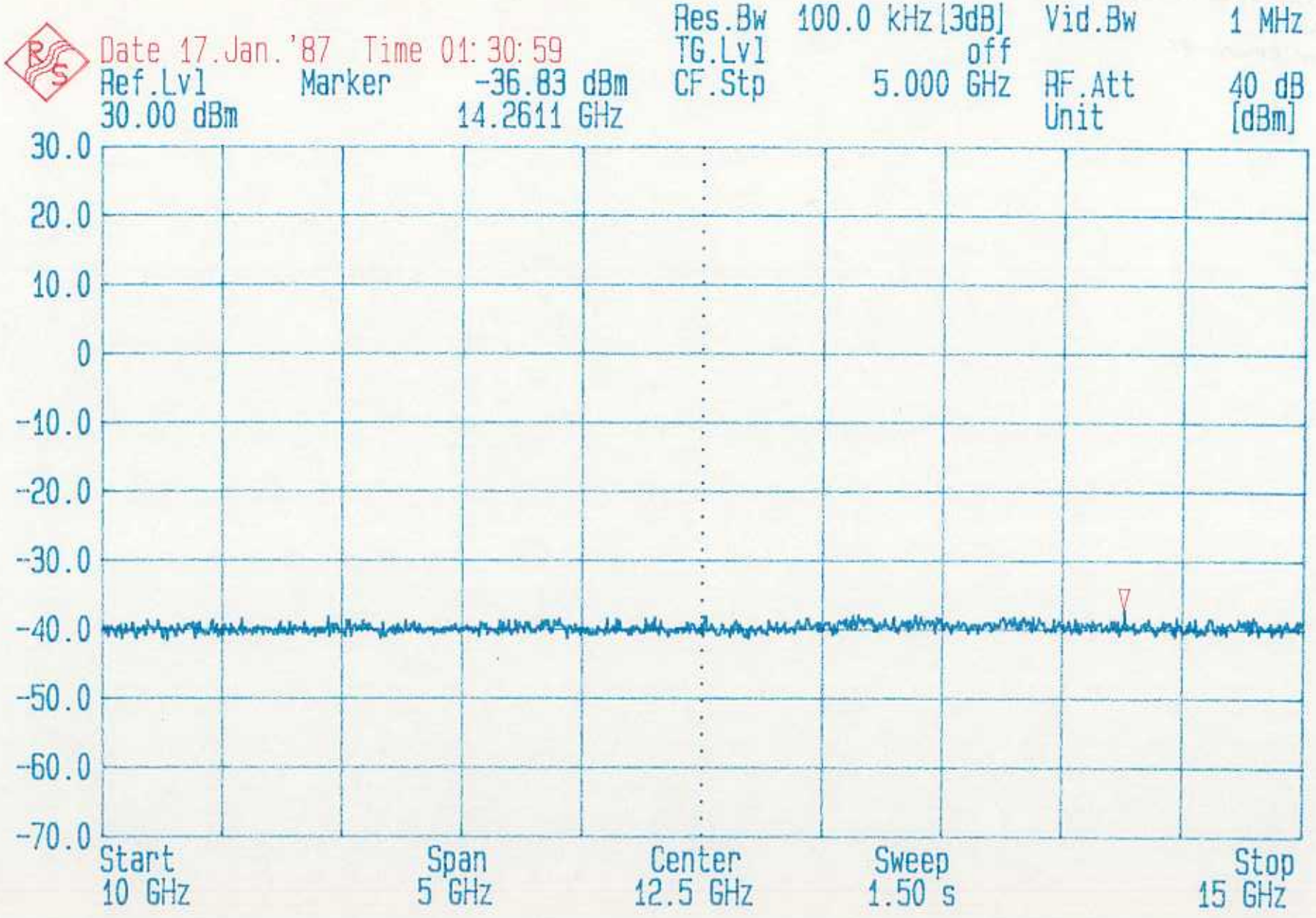
Test: Antenna Conducted Spurious Emissions
Channel: Center

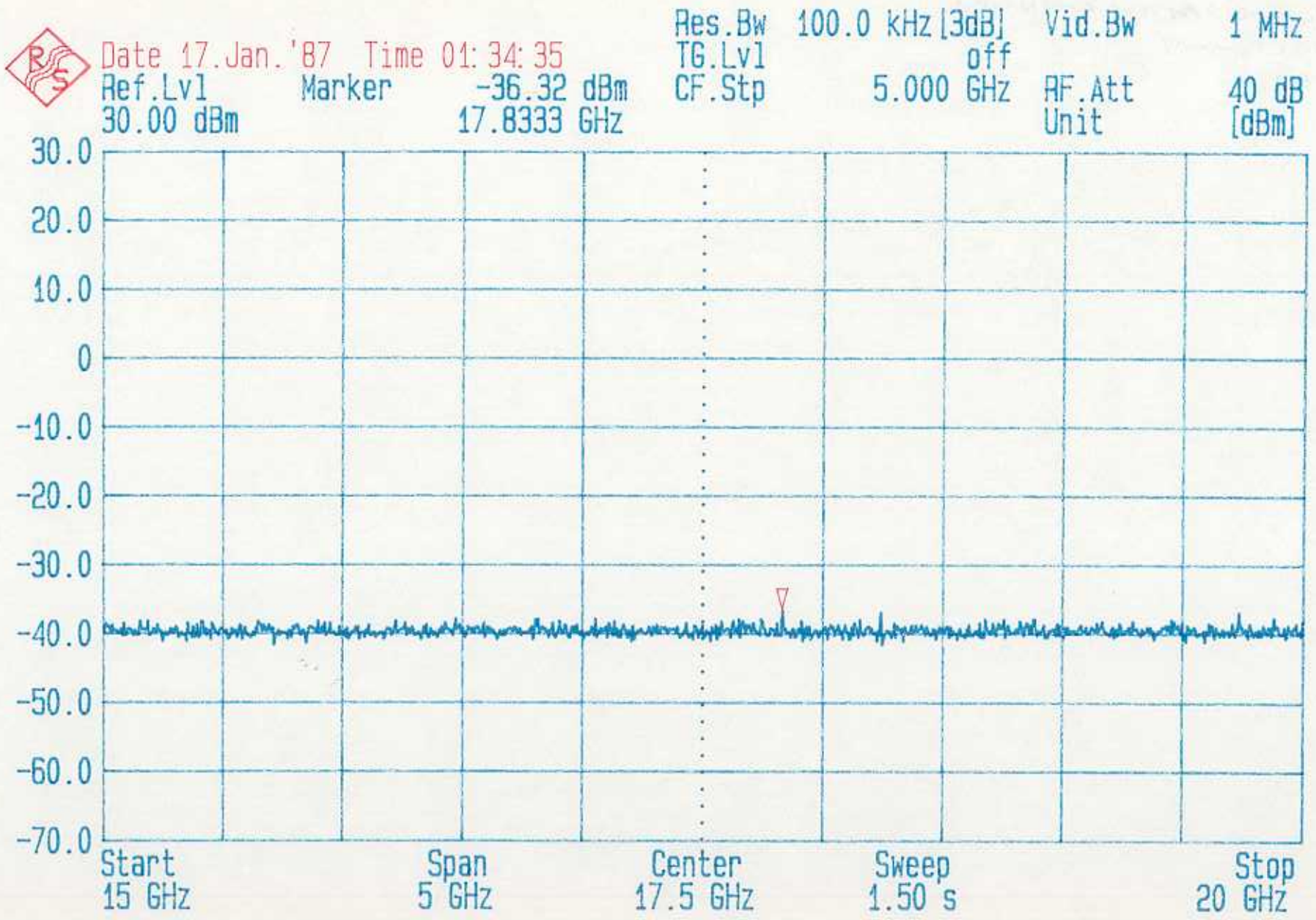

Res.Bw 100.0 kHz [3dB]
Vid.Bw 1 MHz
TG.Lvl off
Ref.Lvl 30.00 dBm
Marker -35.64 dBm
4.0446 GHz
CF.Stp 5.000 GHz
RF.Att 40 dB
Unit [dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start 0.030 GHz
Span 4.97 GHz
Center 2.515 GHz
Sweep 1.50 s
Stop 5 GHz

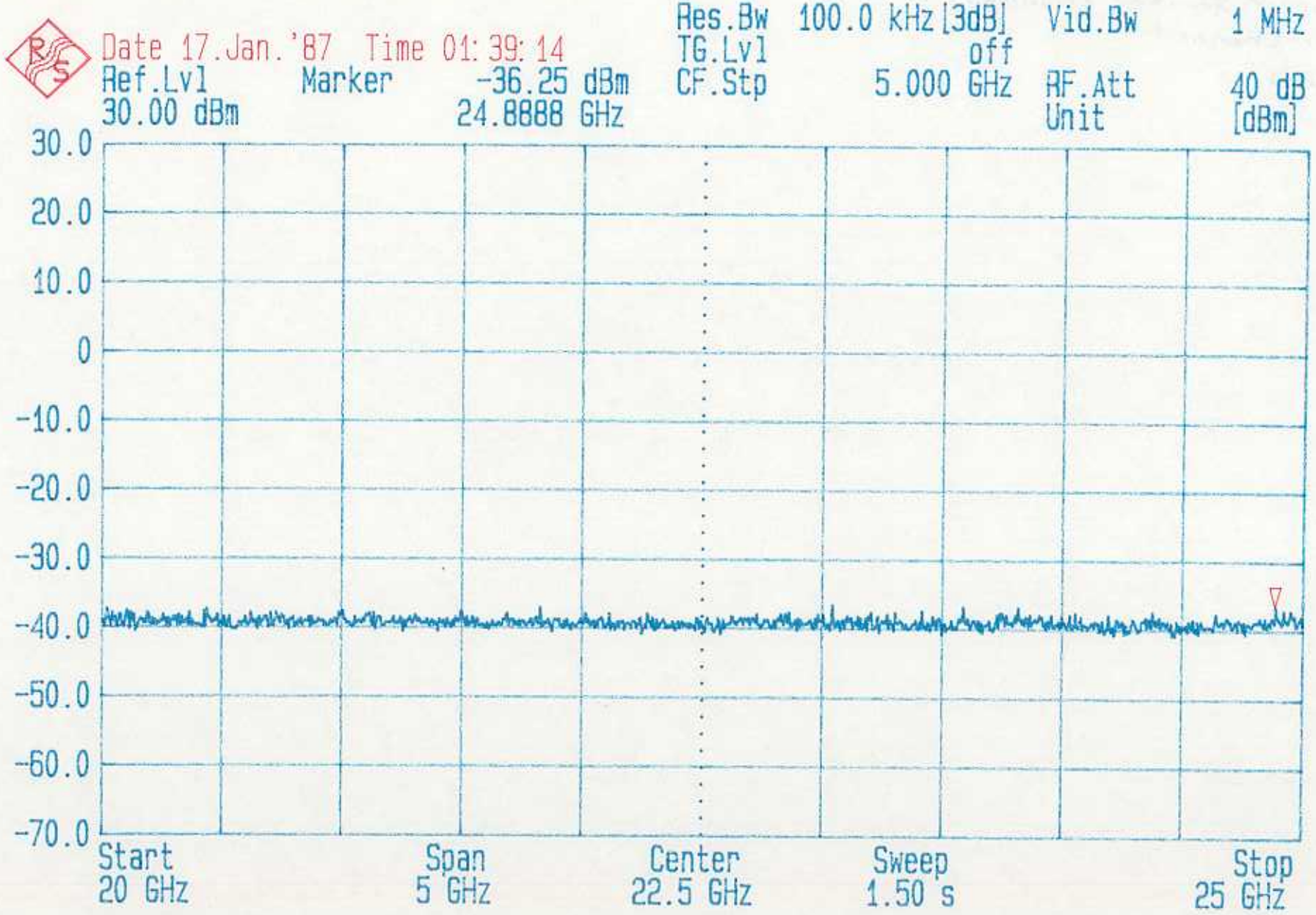

Res.Bw 100.0 kHz [3dB]
Vid.Bw 1 MHz
TG.Lvl off
Ref.Lvl 30.00 dBm
Marker 18.02 dBm 5.7777 GHz
CF.Stp 5.000 GHz
RF.Att 40 dB
Unit [dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start 5 GHz
Span 5 GHz
Center 7.5 GHz
Sweep 1.50 s
Stop 10 GHz

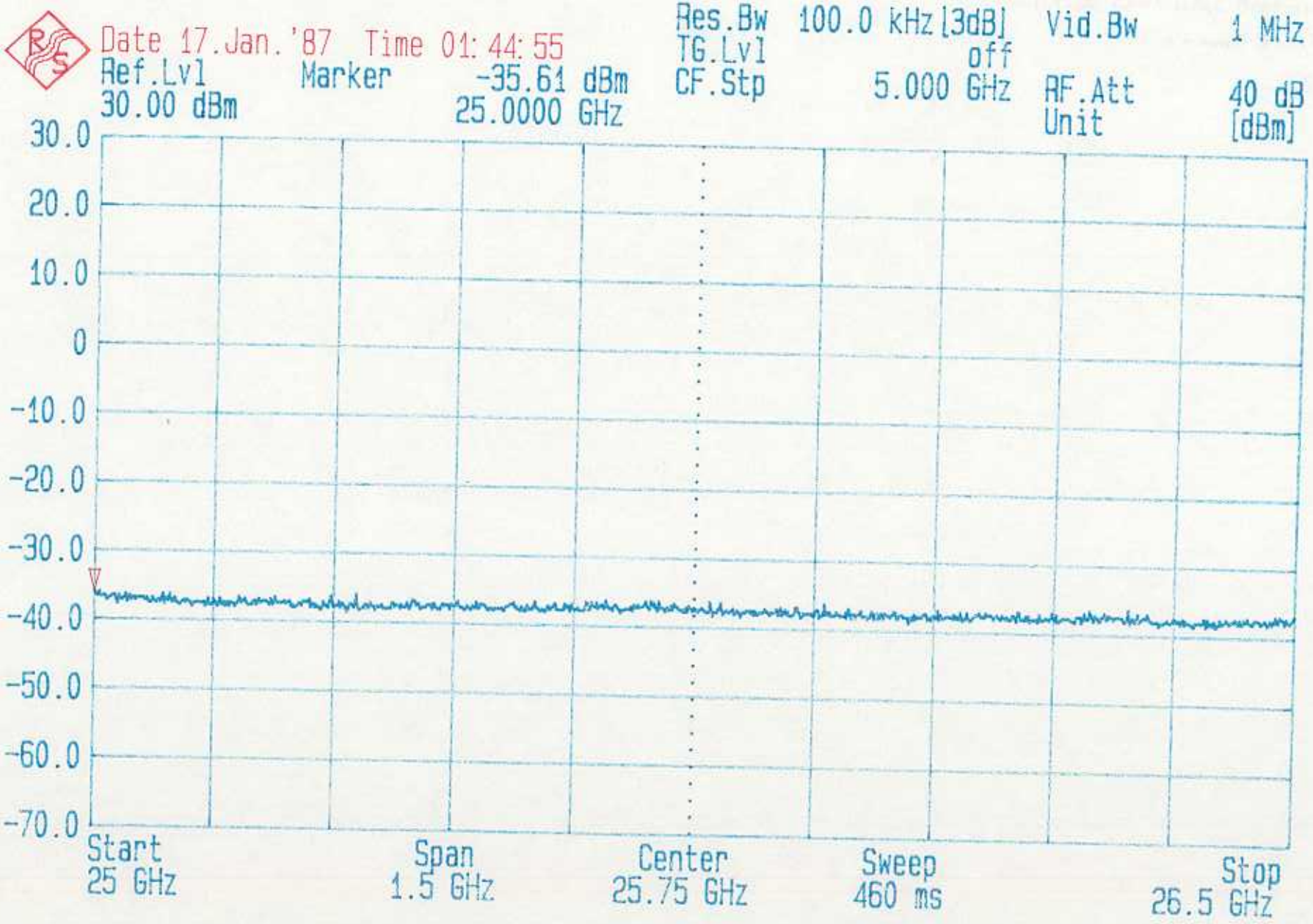

Date 17.Jan.'87 Time 01:52:13
Ref.Lvl
30.00 dBm
Marker -22.59 dBm
5.2187047 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
Off
CF.Stp 5.000 GHz
Vid.Bw 1 MHz
RF.Att 40 dB
Unit [dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
5.218363735 GHz
Span
732.424 kHz
Center
5.218729947 GHz
Sweep
20 ms
Stop
5.219096159 GHz

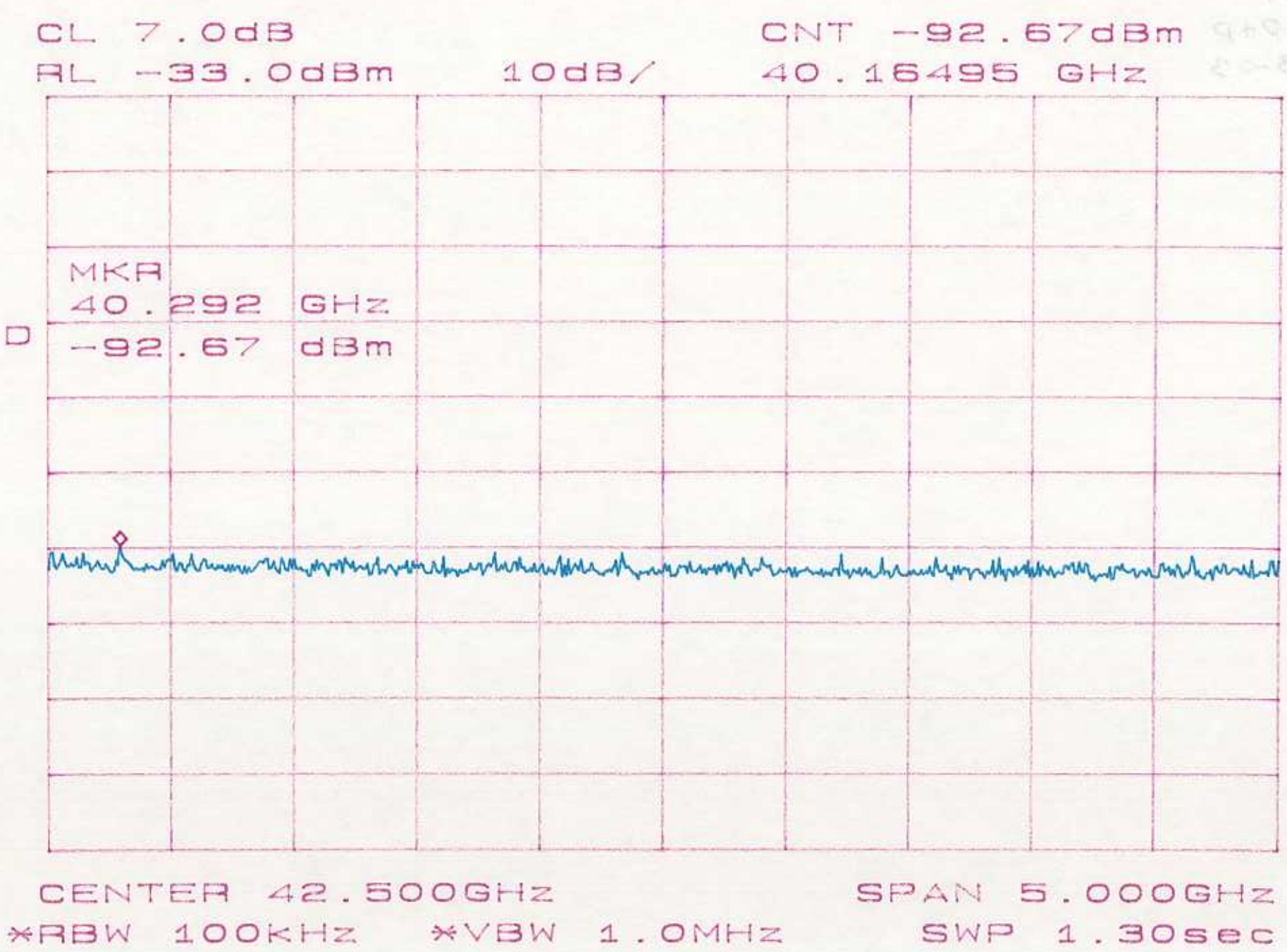

Date 17.Jan.'87 Time 01:57:37
Ref.Lvl
30.00 dBm
Marker
-24.03 dBm
6.331171 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
6.330507027 GHz
Span
2.92969 MHz
Center
6.331971875 GHz
Sweep
20 ms
Stop
6.333436723 GHz

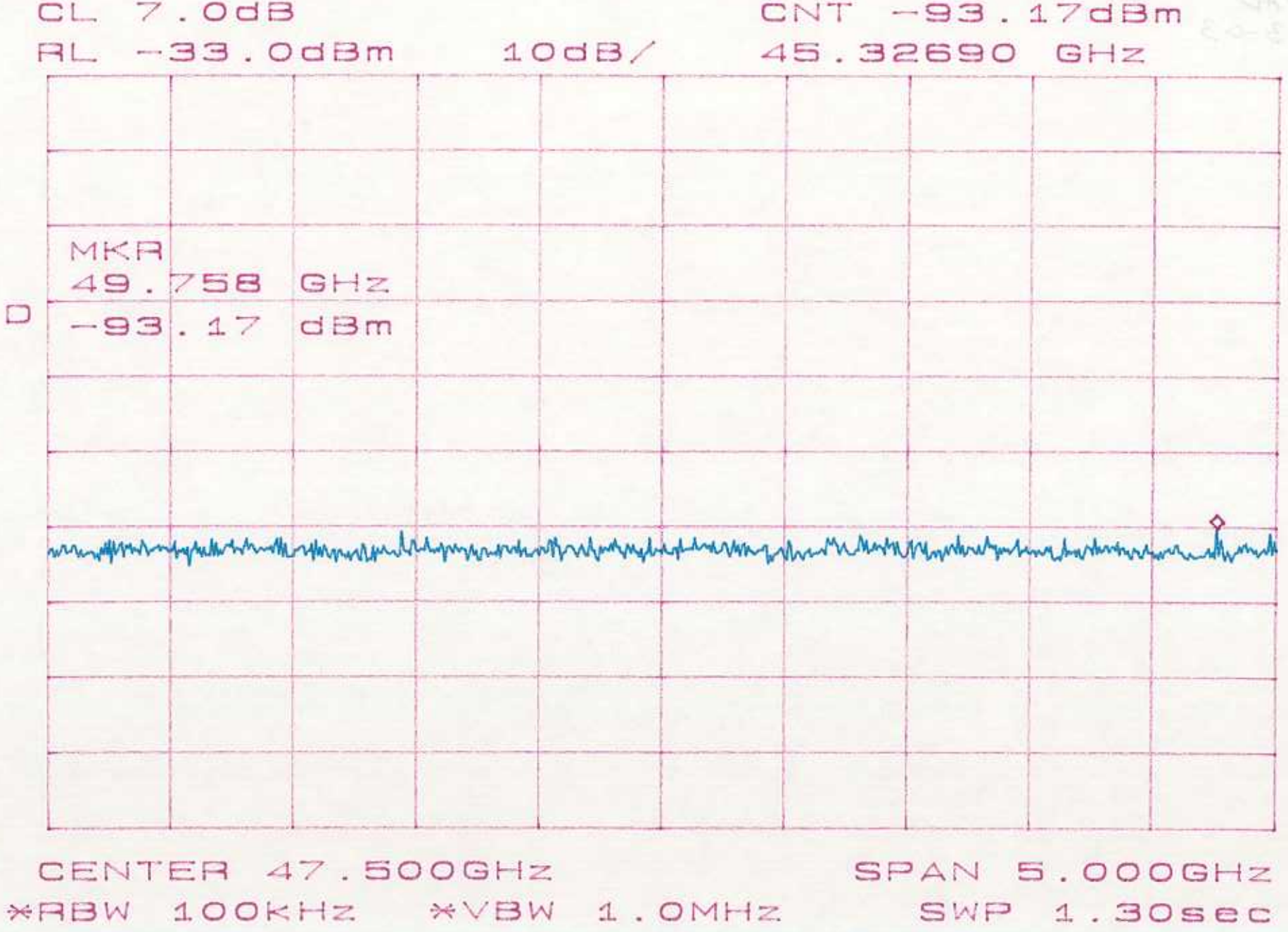

Date 17.Jan.'87 Time 01:30:59
Res.Bw 100.0 kHz [3dB]
Vid.Bw 1 MHz
TG.Lvl off
Ref.Lvl 30.00 dBm
Marker -36.83 dBm
14.2611 GHz
CF.Stp 5.000 GHz
RF.Att 40 dB
Unit [dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start 10 GHz
Span 5 GHz
Center 12.5 GHz
Sweep 1.50 s
Stop 15 GHz

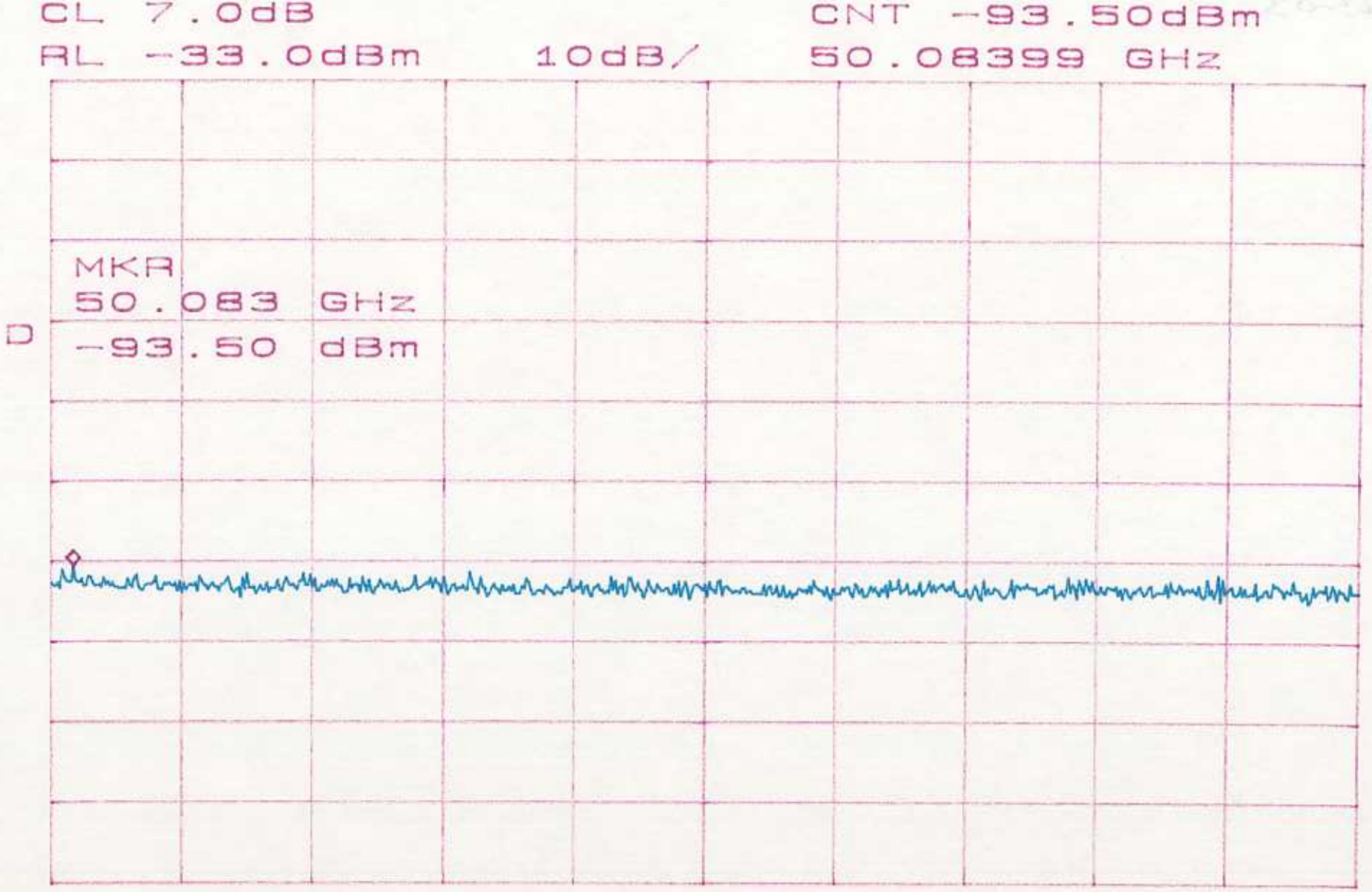

Date 17.Jan.'87 Time 01:34:35
Ref.Lvl
30.00 dBm
Marker
-36.32 dBm
17.8333 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
15 GHz
Span
5 GHz
Center
17.5 GHz
Sweep
1.50 s
Stop
20 GHz

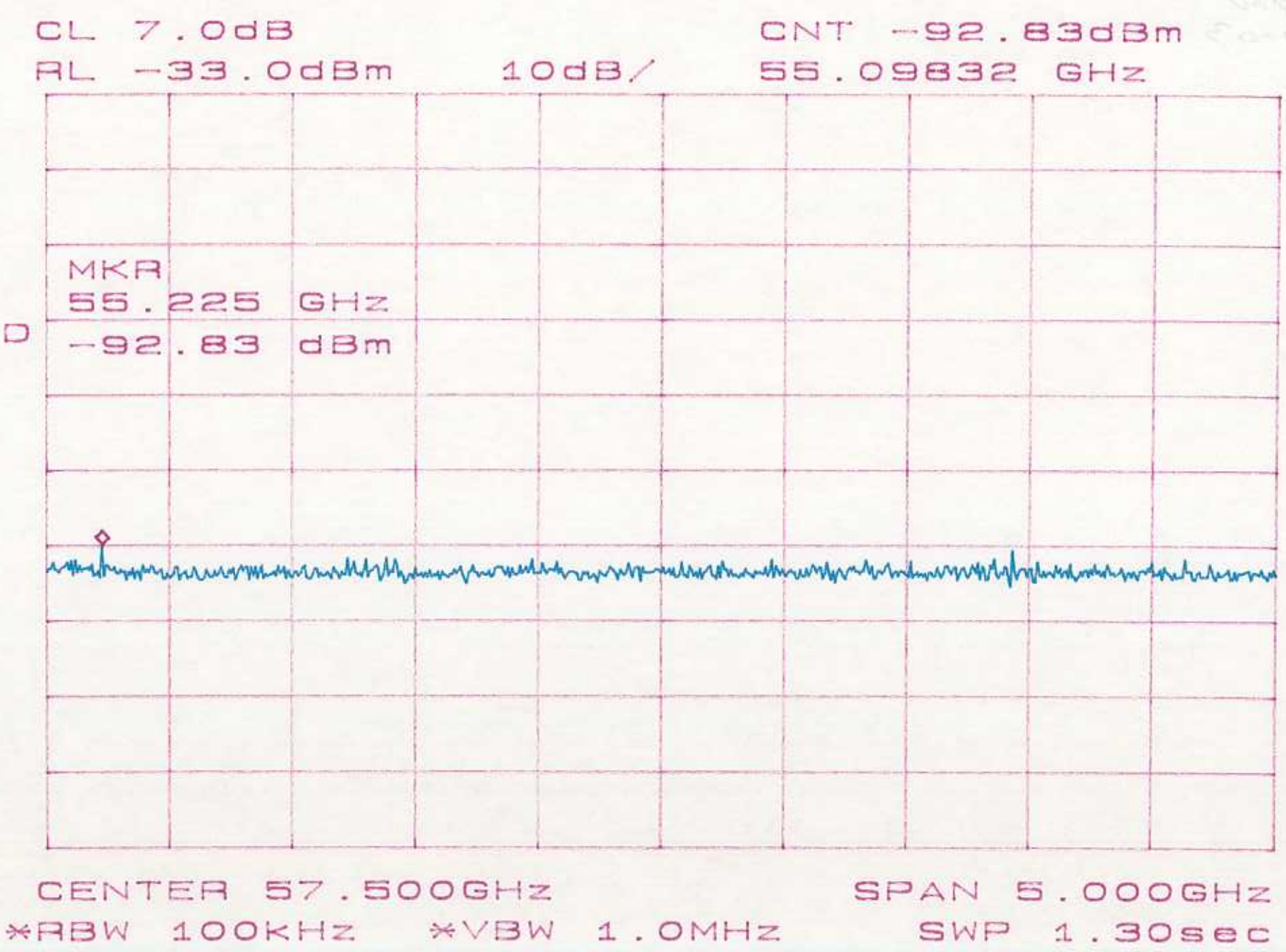

Date 17.Jan.'87 Time 01:39:14
Ref.Lvl
30.00 dBm
Marker
-36.25 dBm
24.8888 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
20 GHz
Span
5 GHz
Center
22.5 GHz
Sweep
1.50 s
Stop
25 GHz


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
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
25 GHz
Span
1.5 GHz
Center
25.75 GHz
Sweep
460 ms
Stop
26.5 GHz


CL 7.0dB
CNT -92.67dBm
RL -33.0dBm
10dB/
40.16495 GHz
MKR
40.292 GHz
D
-92.67 dBm
CENTER 42.500GHz
SPAN 5.000GHz
*RBW 100KHz
*VBW 1.0MHz
SWP 1.30sec


CL 7.0dB
CNT -93.17dBm
RL -33.0dBm
10dB/
45.32690 GHz
MKR
49.758 GHz
-93.17 dBm
D
CENTER 47.500GHz
SPAN 5.000GHz
*RBW 100KHz
*VBW 1.0MHz
SWP 1.30sec


CL 7.0dB
CNT -93.50dBm
RL -33.0dBm
10dB/
50.08399 GHz
MKR
50.083 GHz
D
-93.50 dBm
CENTER 52.500GHz
SPAN 5.000GHz
*RBW 100kHz
*VBW 1.0MHz
SWP 1.30sec

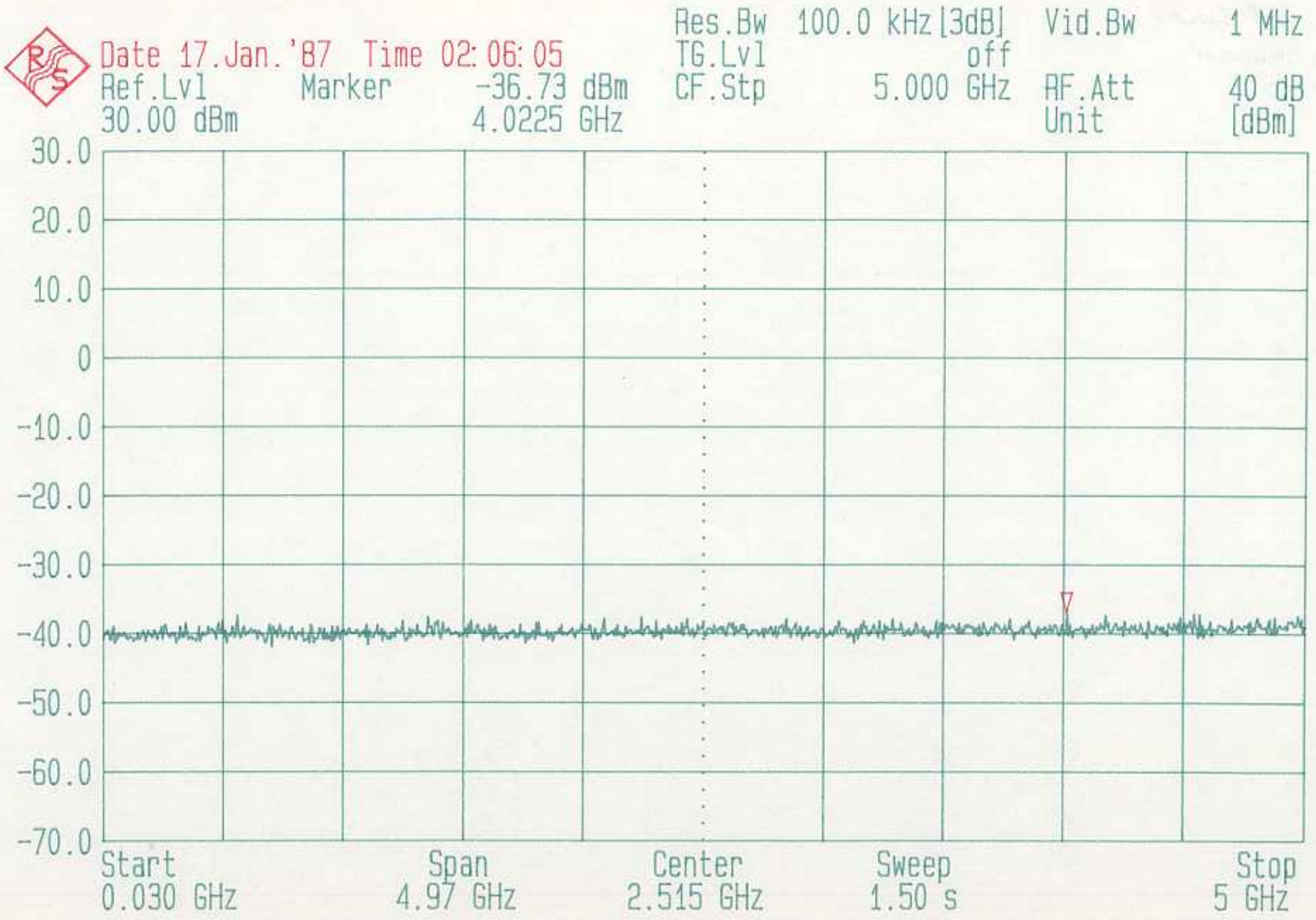

CL 7.0dB
CNT -92.83dBm
RL -33.0dBm
10dB/
55.09832 GHz
MKR
55.225 GHz
D
-92.83 dBm
CENTER 57.500GHz
SPAN 5.000GHz
*RBW 100KHz
*VBW 1.0MHz
SWP 1.30sec

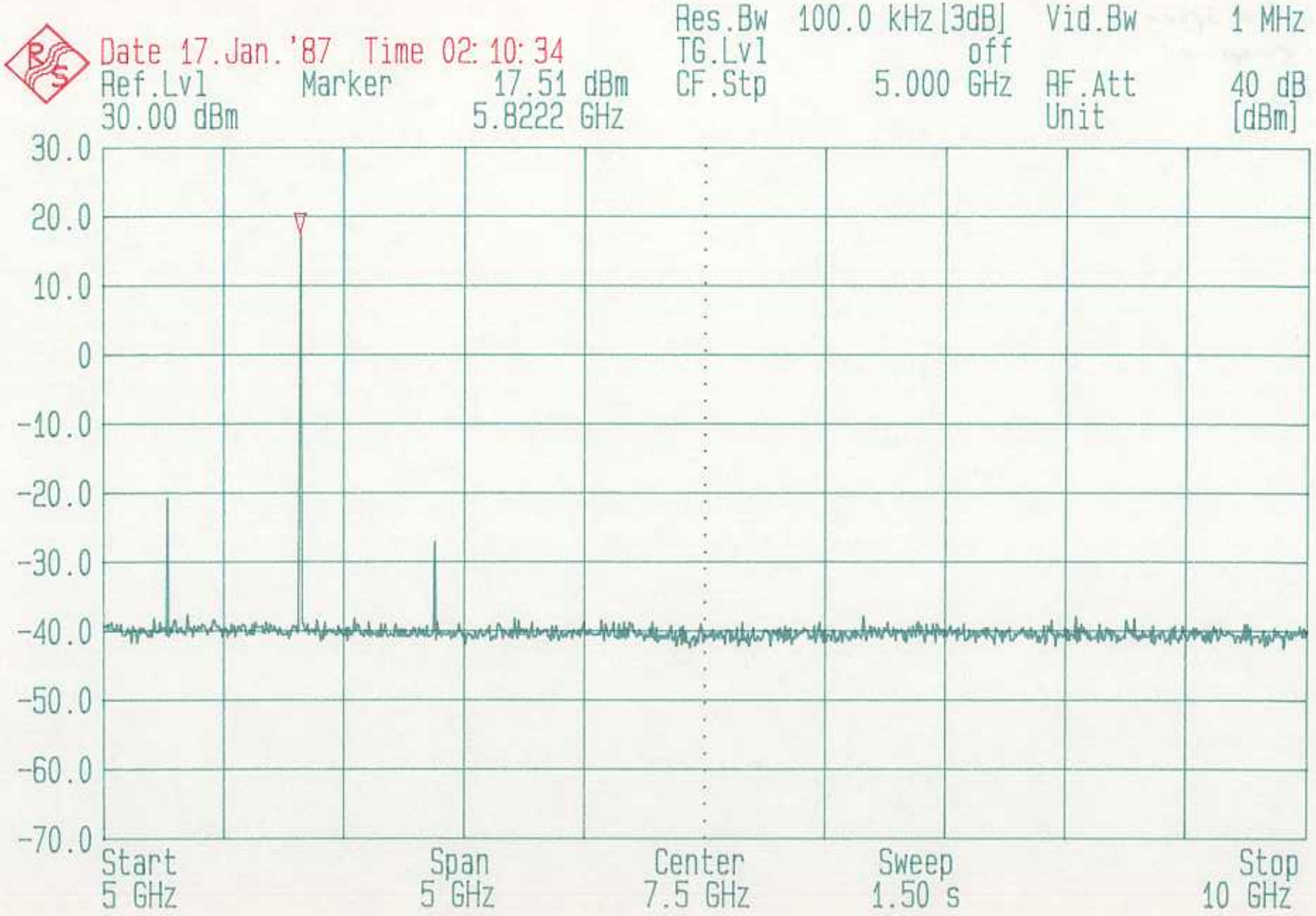
Data Plots

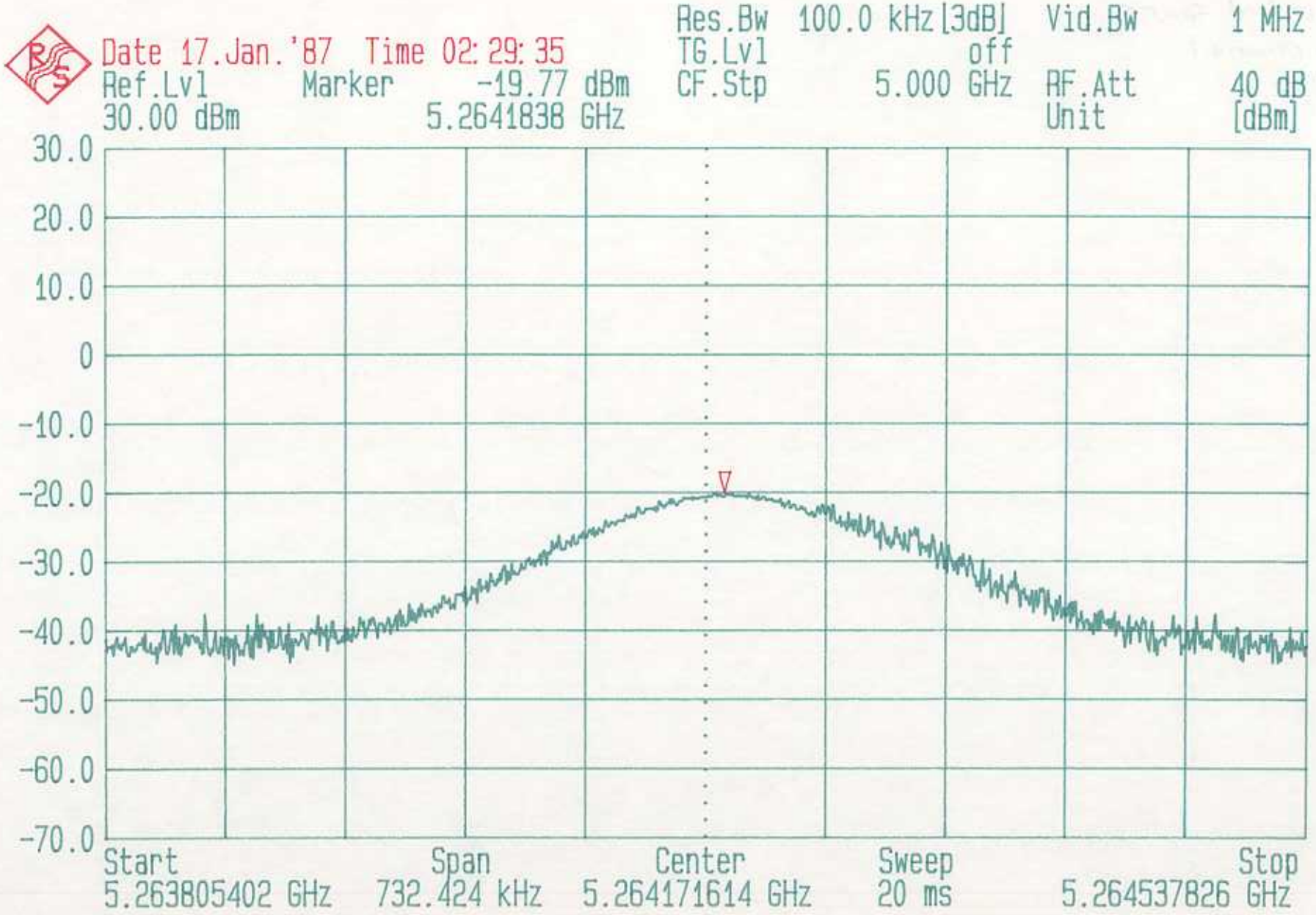
ACS Report Number: 03-0143-15BC

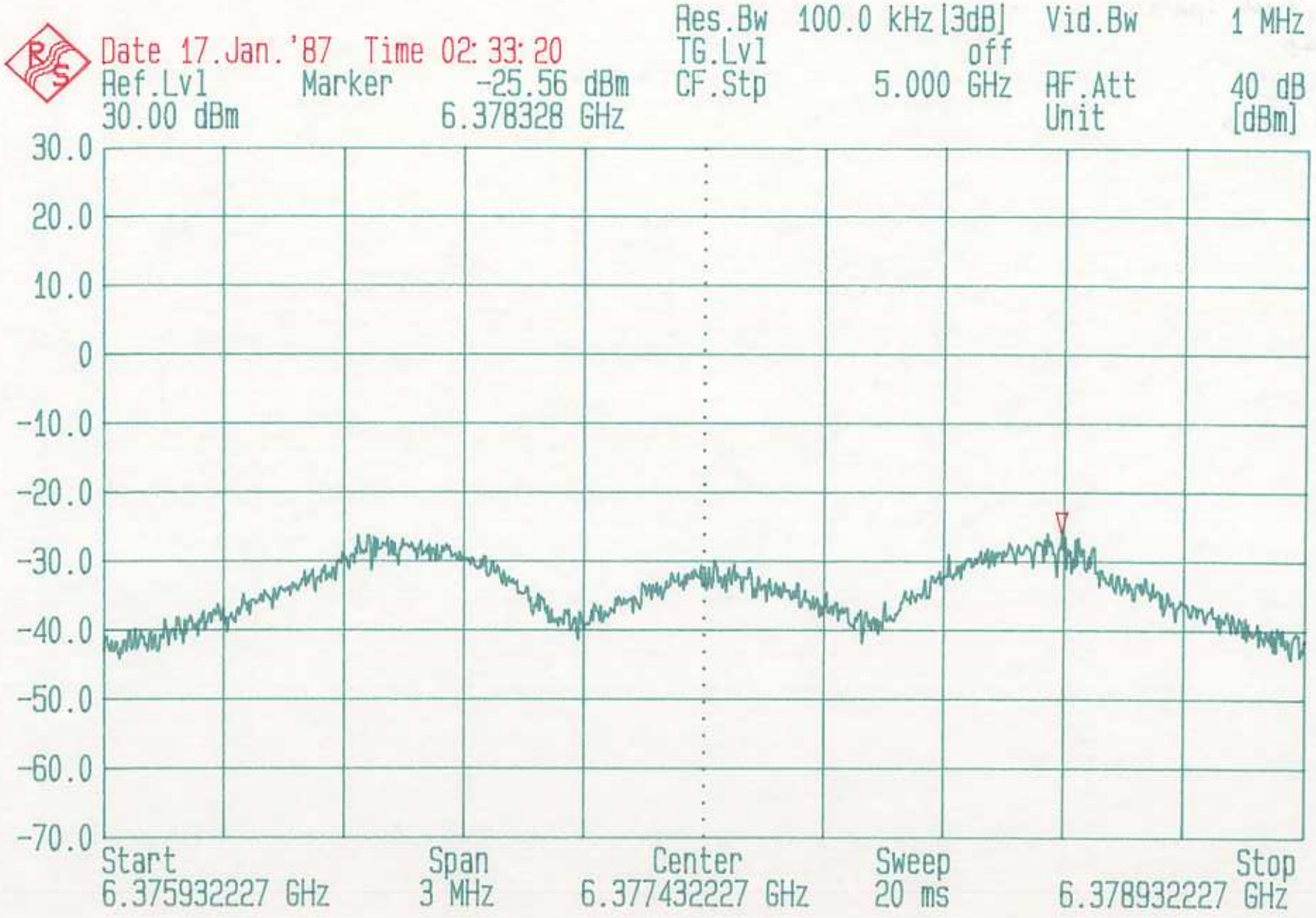
Manufacturer: Cirronet, Inc.
Model: WIT5811

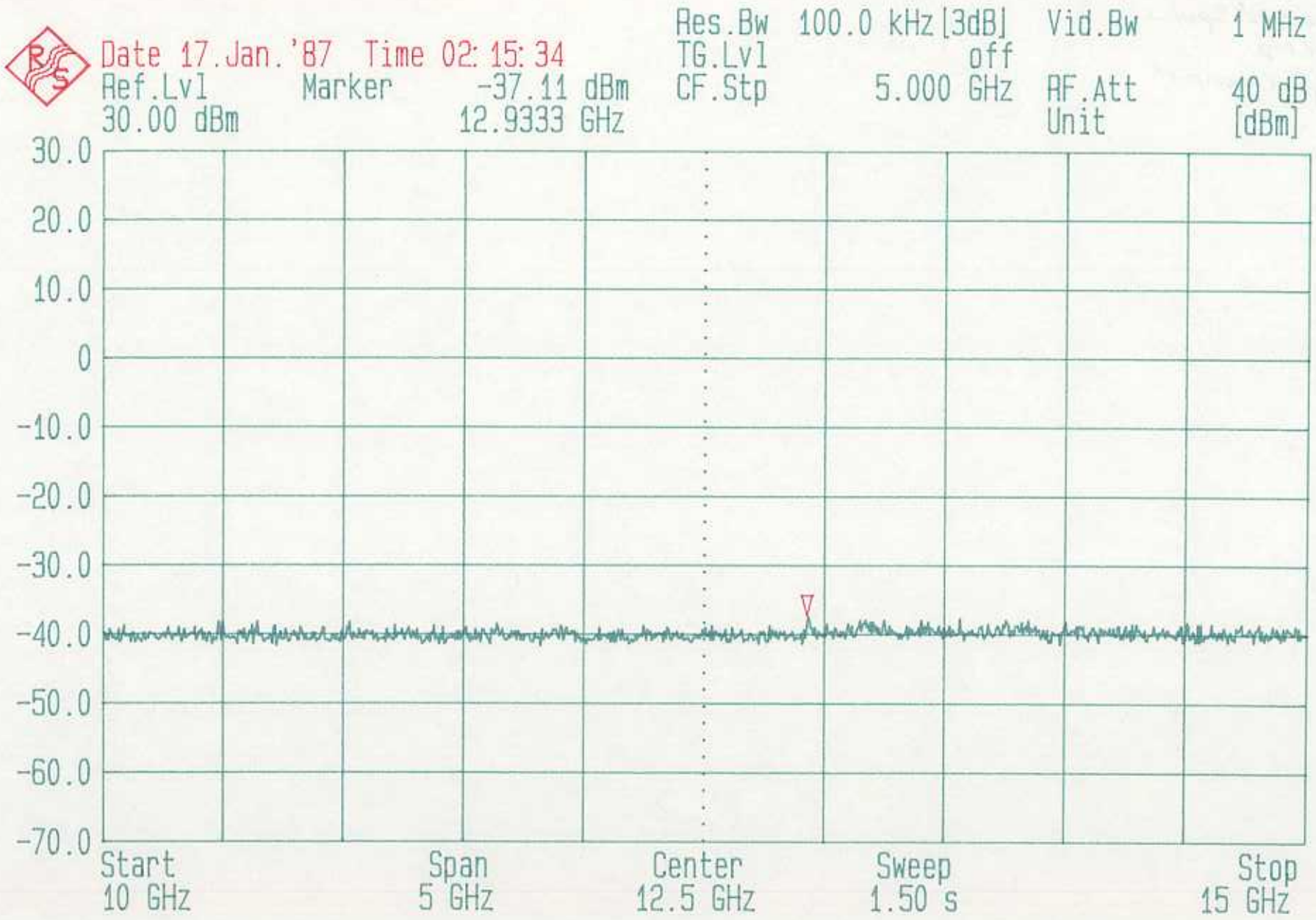
Test: Antenna Conducted Spurious Emissions
Channel: High

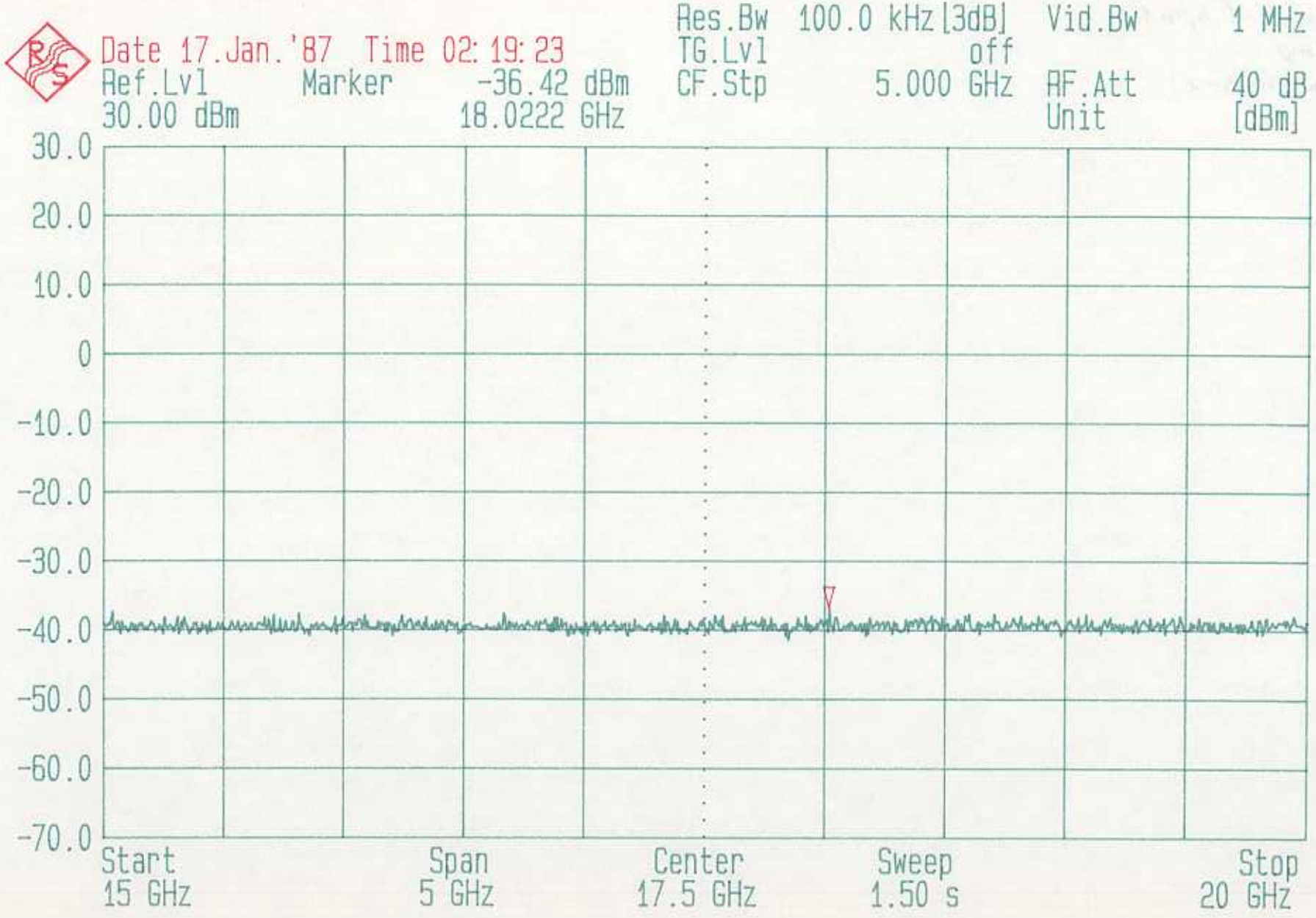

Date 17.Jan.'87 Time 02:06:05
Ref.Lvl
30.00 dBm
Marker
-36.73 dBm
4.0225 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
0.030 GHz
Span
4.97 GHz
Center
2.515 GHz
Sweep
1.50 s
Stop
5 GHz

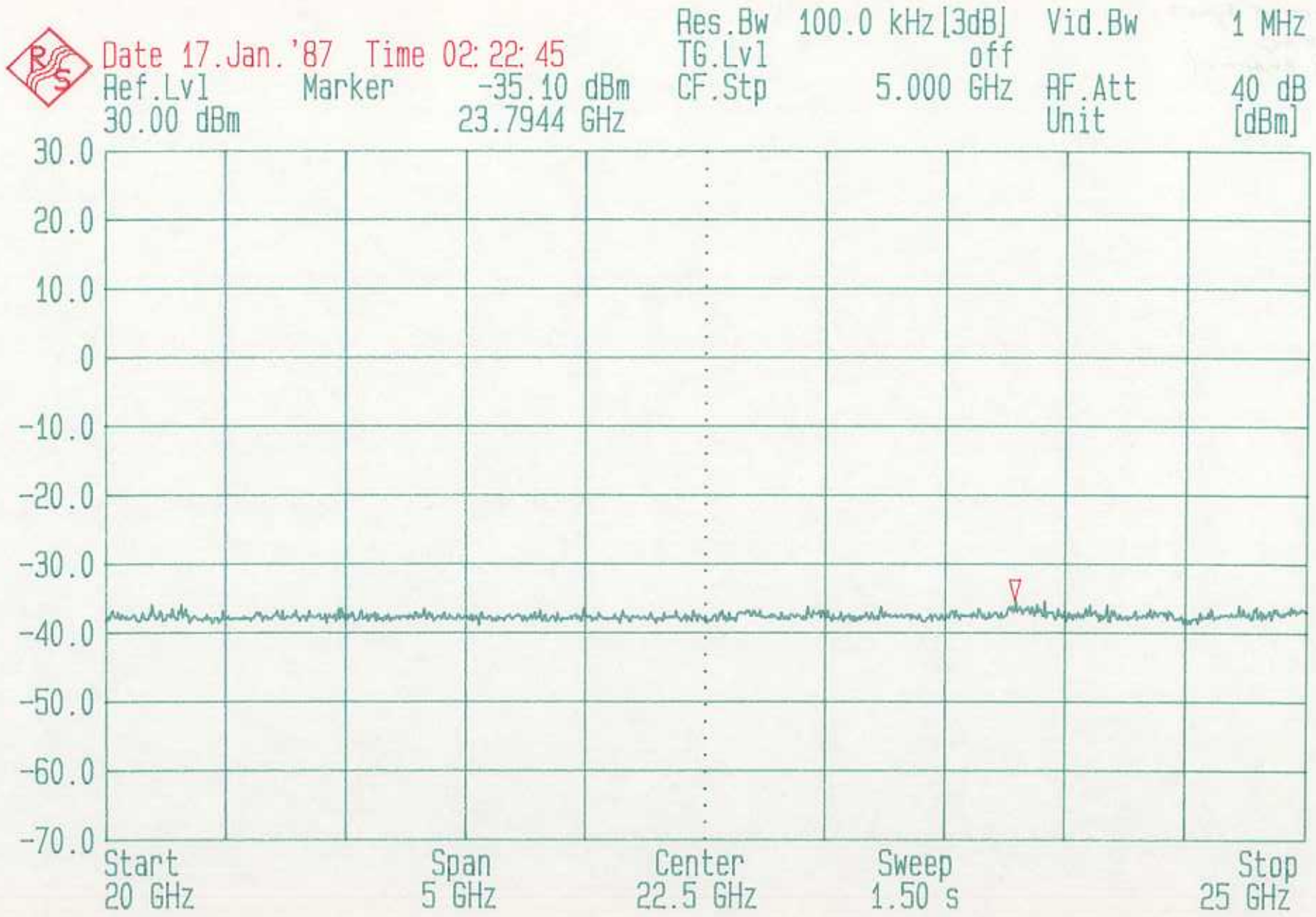

Date 17.Jan.'87 Time 02:10:34
Ref.Lvl
30.00 dBm
Marker
17.51 dBm
5.8222 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
5 GHz
Span
5 GHz
Center
7.5 GHz
Sweep
1.50 s
Stop
10 GHz

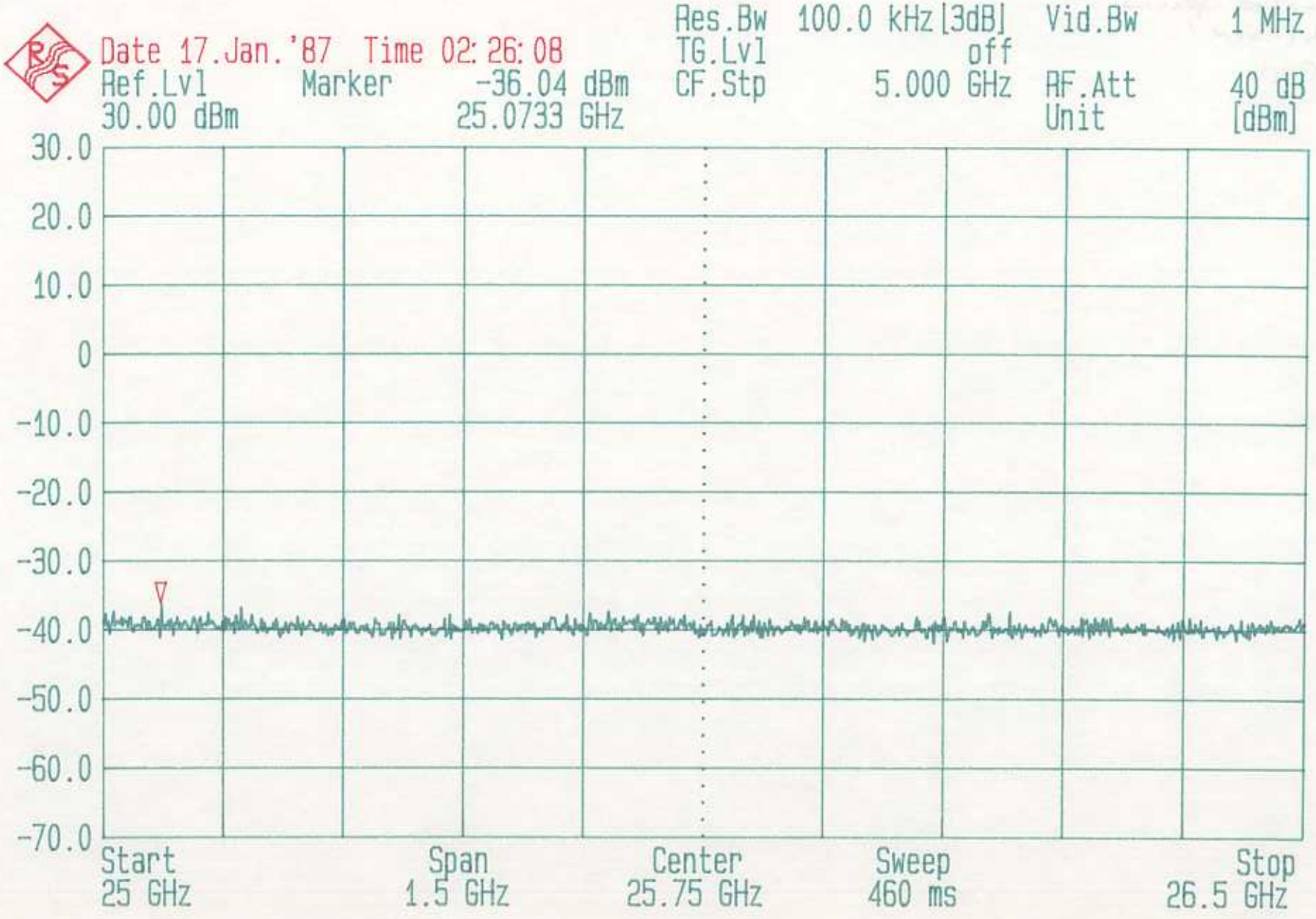

Date 17.Jan.'87 Time 02:29:35
Res.Bw 100.0 kHz [3dB]
Vid.Bw 1 MHz
TG.Lvl off
Ref.Lvl 30.00 dBm
Marker -19.77 dBm
5.2641838 GHz
CF.Stp 5.000 GHz
RF.Att 40 dB
Unit [dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start 5.263805402 GHz
Span 732.424 kHz
Center 5.264171614 GHz
Sweep 20 ms
Stop 5.264537826 GHz

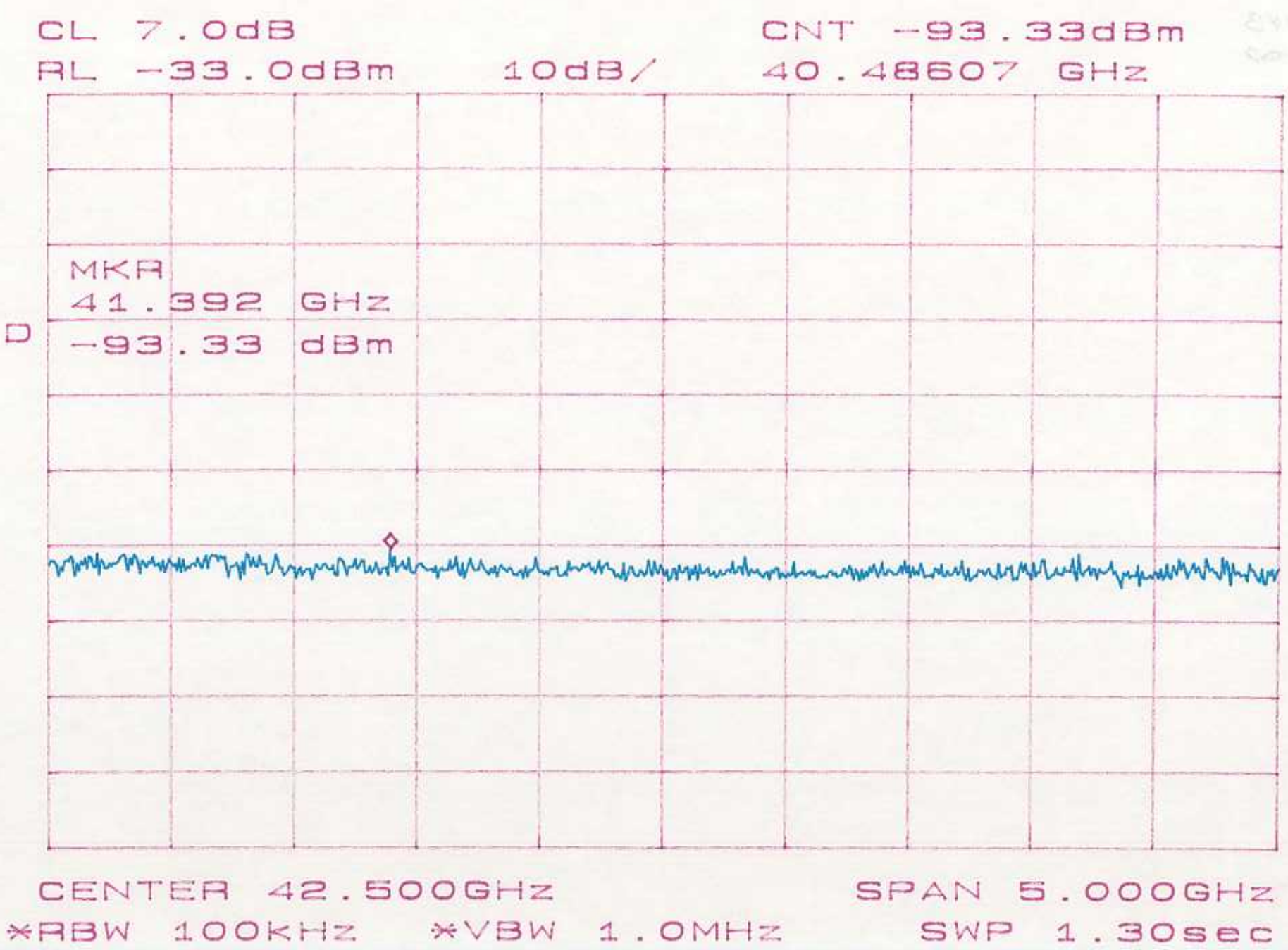

Date 17.Jan.'87 Time 02:33:20
Res.Bw 100.0 kHz [3dB]
Vid.Bw 1 MHz
TG.Lvl off
Ref.Lvl 30.00 dBm
Marker -25.56 dBm
6.378328 GHz
CF.Stp 5.000 GHz
RF.Att 40 dB
Unit [dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start 6.375932227 GHz
Span 3 MHz
Center 6.377432227 GHz
Sweep 20 ms
Stop 6.378932227 GHz

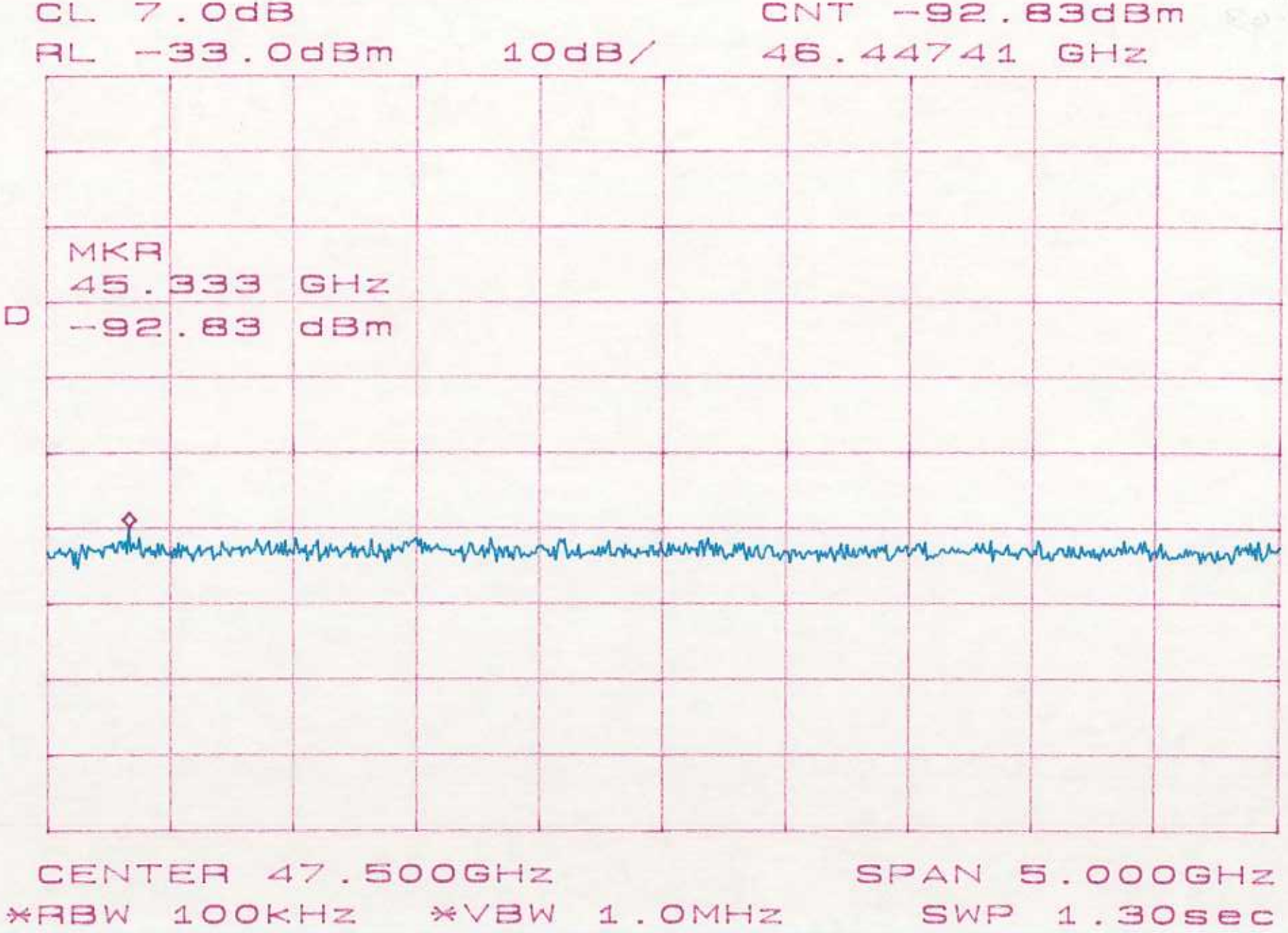

Date 17.Jan.'87 Time 02:15:34
Ref.Lvl
30.00 dBm
Marker
-37.11 dBm
12.9333 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
10 GHz
Span
5 GHz
Center
12.5 GHz
Sweep
1.50 s
Stop
15 GHz

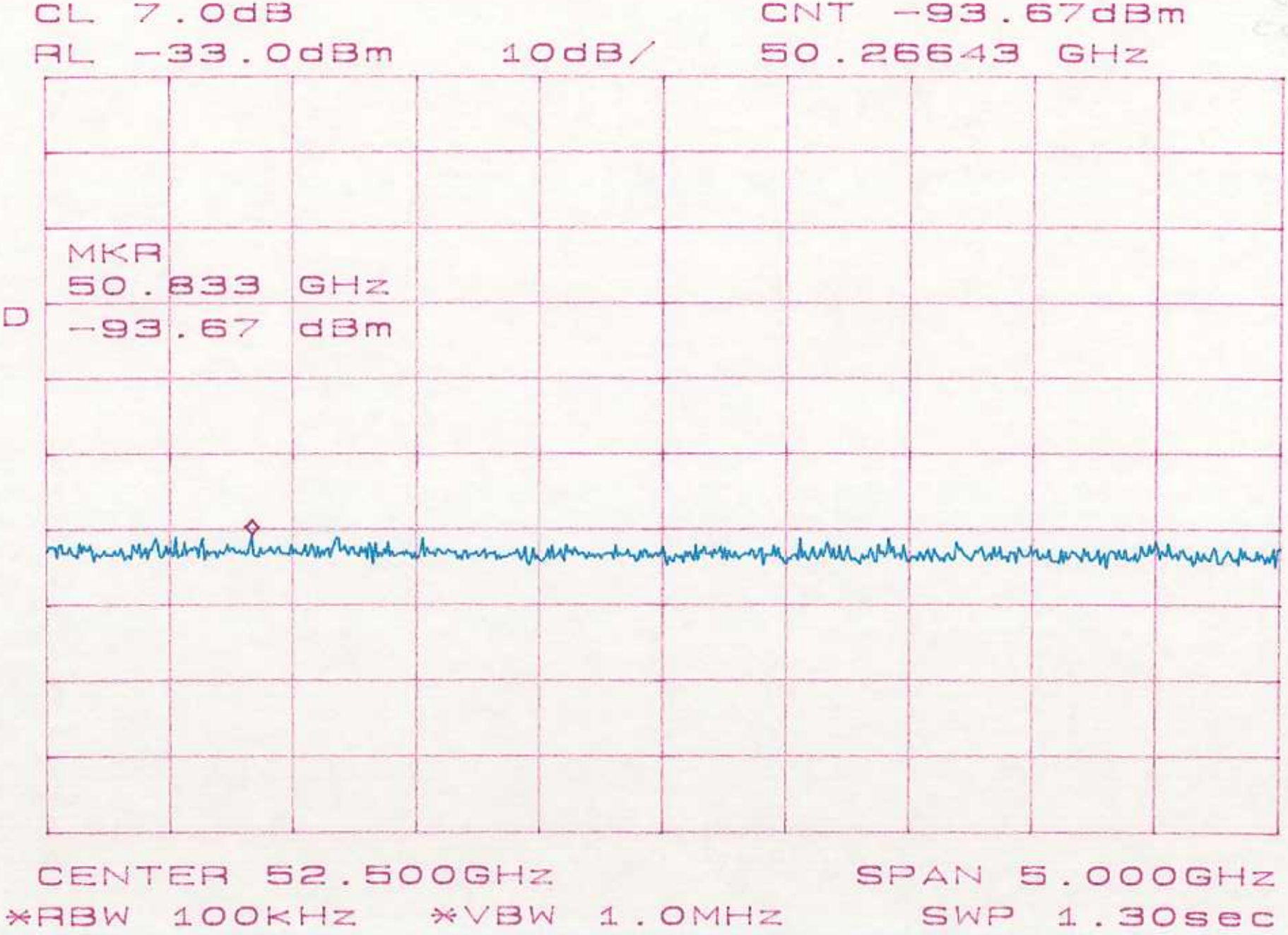

Date 17.Jan.'87 Time 02:19:23
Ref.Lvl
30.00 dBm
Marker
-36.42 dBm
18.0222 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
15 GHz
Span
5 GHz
Center
17.5 GHz
Sweep
1.50 s
Stop
20 GHz

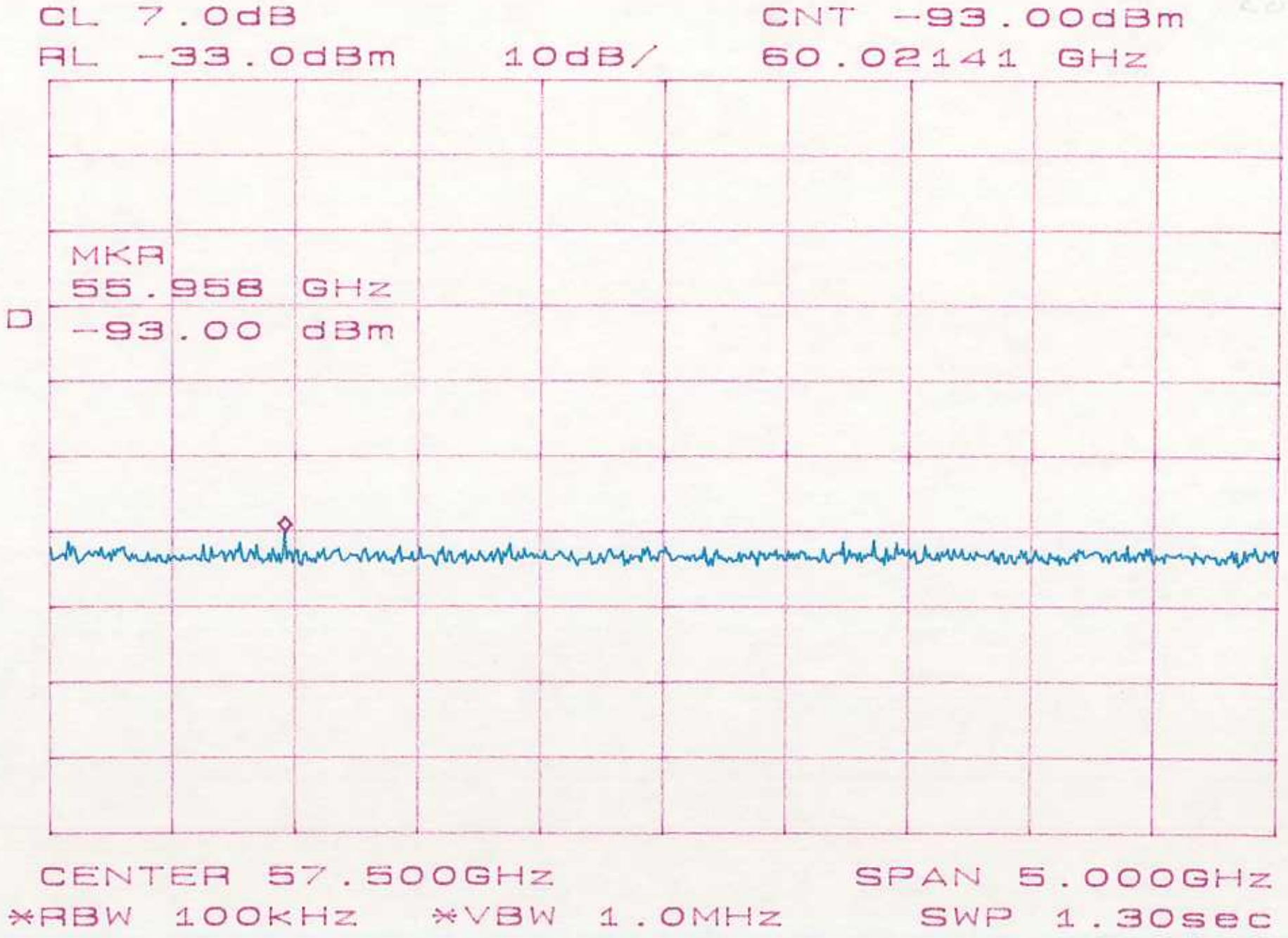

Date 17.Jan.'87 Time 02:22:45
Ref.Lvl
30.00 dBm
Marker
-35.10 dBm
23.7944 GHz
Res.Bw 100.0 kHz [3dB]
TG.Lvl
off
CF.Stp
5.000 GHz
Vid.Bw
1 MHz
RF.Att
40 dB
Unit
[dBm]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
20 GHz
Span
5 GHz
Center
22.5 GHz
Sweep
1.50 s
Stop
25 GHz


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]
30.0
20.0
10.0
0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Start
25 GHz
Span
1.5 GHz
Center
25.75 GHz
Sweep
460 ms
Stop
26.5 GHz


CL 7.0dB
CNT -93.33dBm
RL -33.0dBm
10dB/
40.48607 GHz
MKR
41.392 GHz
D
-93.33 dBm
CENTER 42.500GHz
SPAN 5.000GHz
*RBW 100KHz
*VBW 1.0MHz
SWP 1.30sec


CL 7.0dB
CNT -92.83dBm
RL -33.0dBm
10dB/
46.44741 GHz
MKR
45.333 GHz
D
-92.83 dBm
CENTER 47.500GHz
SPAN 5.000GHz
*RBW 100KHz
*VBW 1.0MHz
SWP 1.30sec


CL 7.0dB
CNT -93.67dBm
RL -33.0dBm
10dB/
50.26643 GHz
MKR
50.833 GHz
D
-93.67 dBm
CENTER 52.500GHz
SPAN 5.000GHz
*RBW 100KHz
*VBW 1.0MHz
SWP 1.30sec


CL 7.0dB
CNT -93.00dBm
RL -33.0dBm
10dB/
60.02141 GHz
MKR
55.958 GHz
D
-93.00 dBm
CENTER 57.500GHz
SPAN 5.000GHz
*RBW 100kHz
*VBW 1.0MHz
SWP 1.30sec