



**Frequency Hopping
Spread Spectrum Transmitter
Modular Approval**

Certification Test Report

FCC ID: HSW-910M

ACS Report Number: 04-0132-15C

**Manufacturer: Cirronet, Inc.
Equipment Type: Transceiver
Model: WIT910**

**Radiated Spurious Emission Plots –
Conducted Spurs**



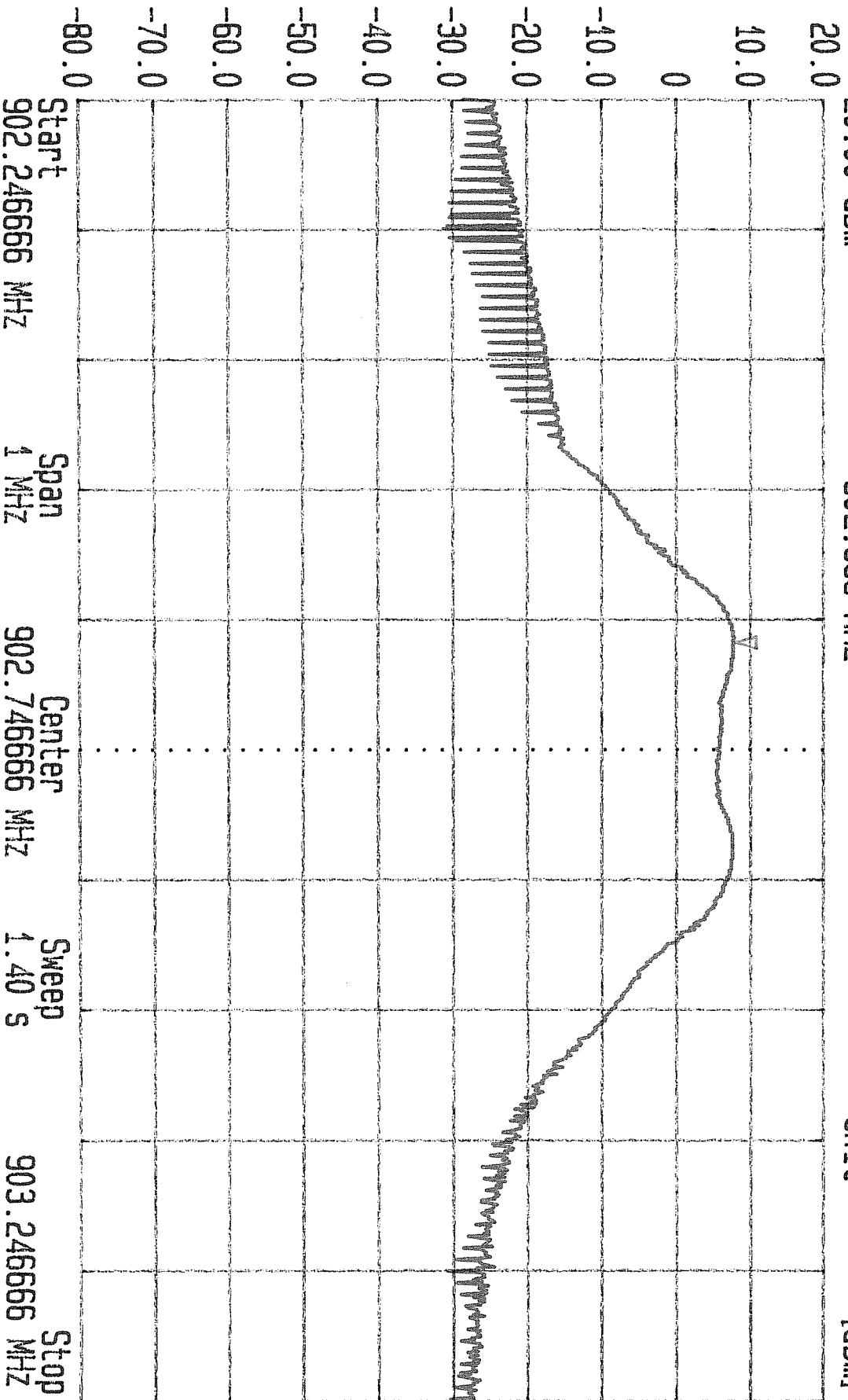
Low Channel



Date 14. Jun. '04 Time 15:48:25
Ref. Lvl 20.00 dBm Marker 902.665 MHz

Res. BW 100 kHz [imp]
TG. Lvl off
CF. Stp 100.000 kHz

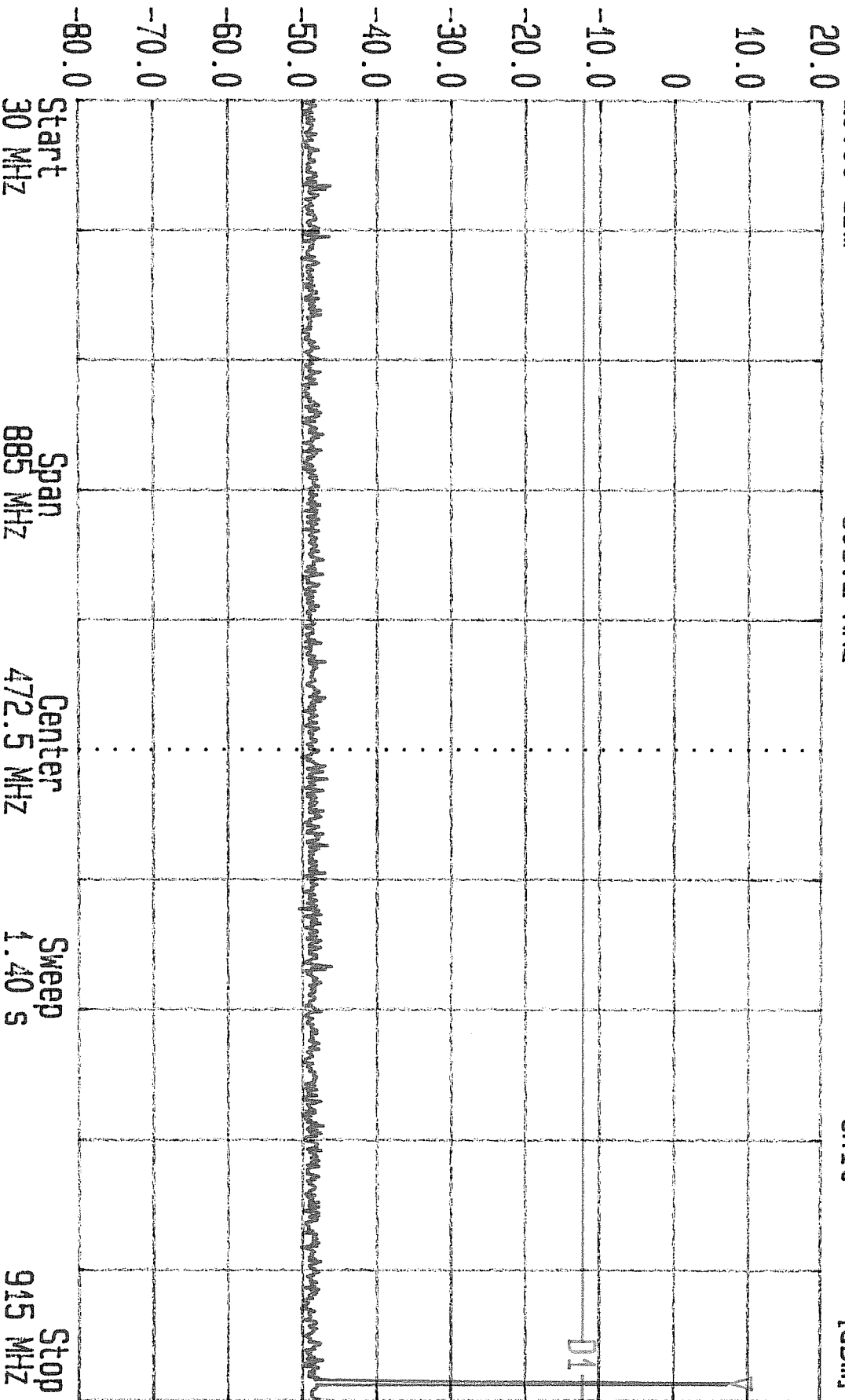
Vid. BW 1 MHz
RF. Att 40 dB
Unit [dBm]



Start 902.246666 MHz Span 1 MHz Center 902.746666 MHz Sweep 1.40 s Stop 903.246666 MHz



Date 14. Jun. '04 Time 16:53:55 Res. BW 100 kHz [imp] Vid. BW 1 MHz
 Ref. Lvl 20.00 dBm Marker 7.92 dBm CF. Stp 88.500 MHz off PF. Att 40 dB
 903.2 MHz Unit [dBm]





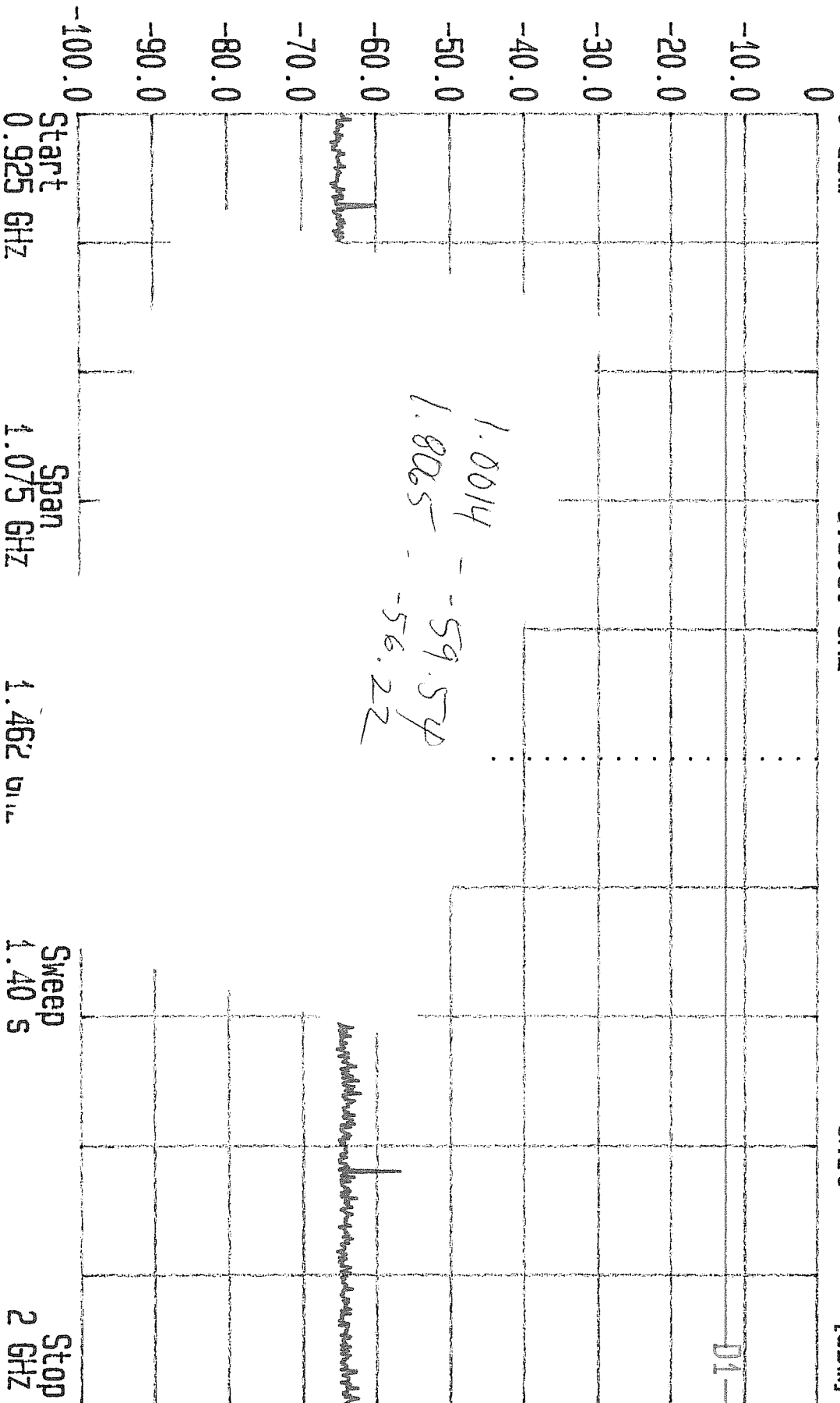
Date 14. Jun. '04 Time 17:03:02
 Ref. Lvl 0 dBm Marker -55.10 dBm
 1.3060 GHz

Res. BW 100 kHz [imp]
 16. Lvl 1
 CF. Stp off

107.500 MHz

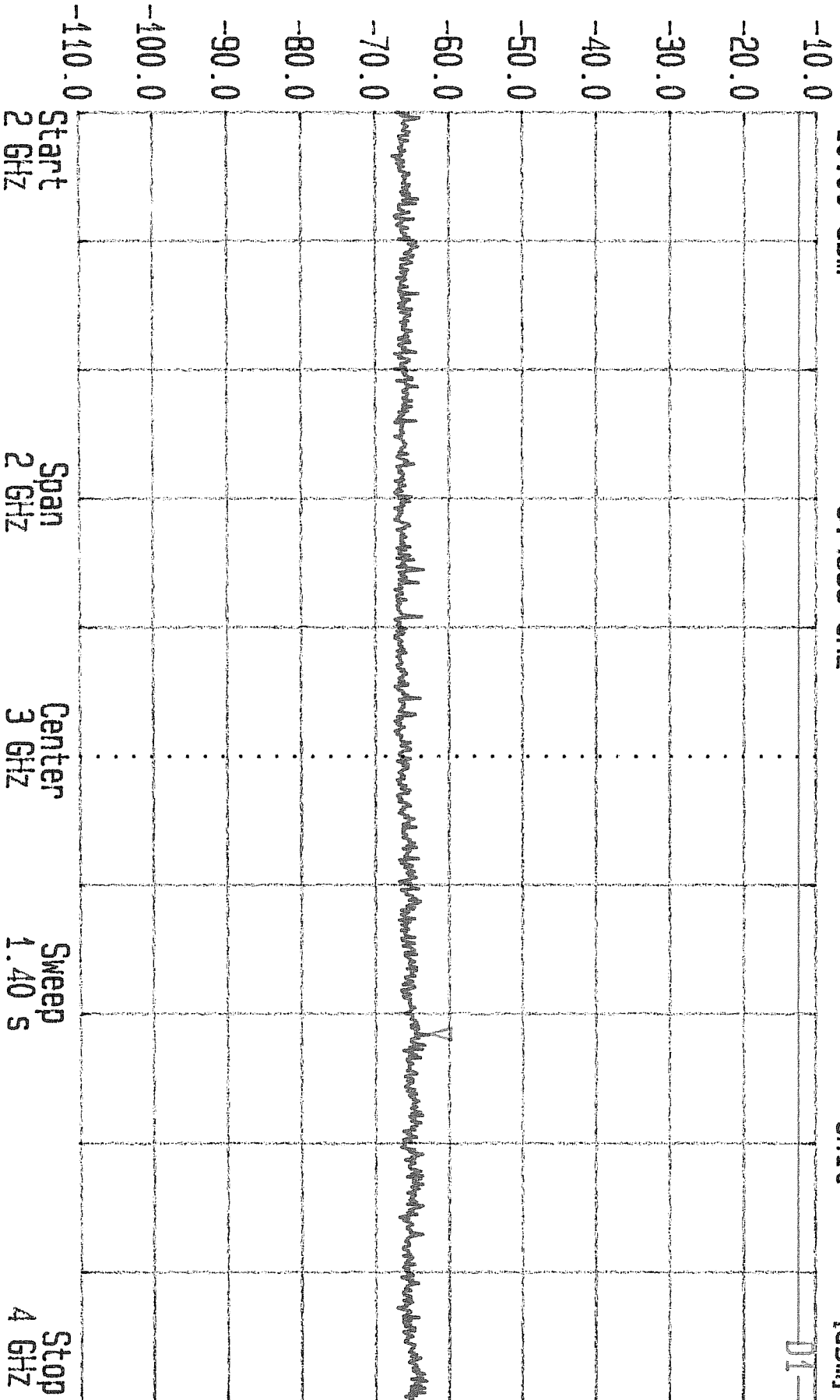
Vid. BW 1 MHz
 RF. Att Unit

30 dB [dBm]





Date 14. Jun. '04 Time 17:06:09 Res. BW 100 KHz [Imp] Vid. BW 1 MHz
 Ref. Lvl -10.00 dBm Marker -62.48 dBm CF. Stp TG. Lvl 1 Off PF. Att 30 dB
 3.4333 GHz Unit [dBm]

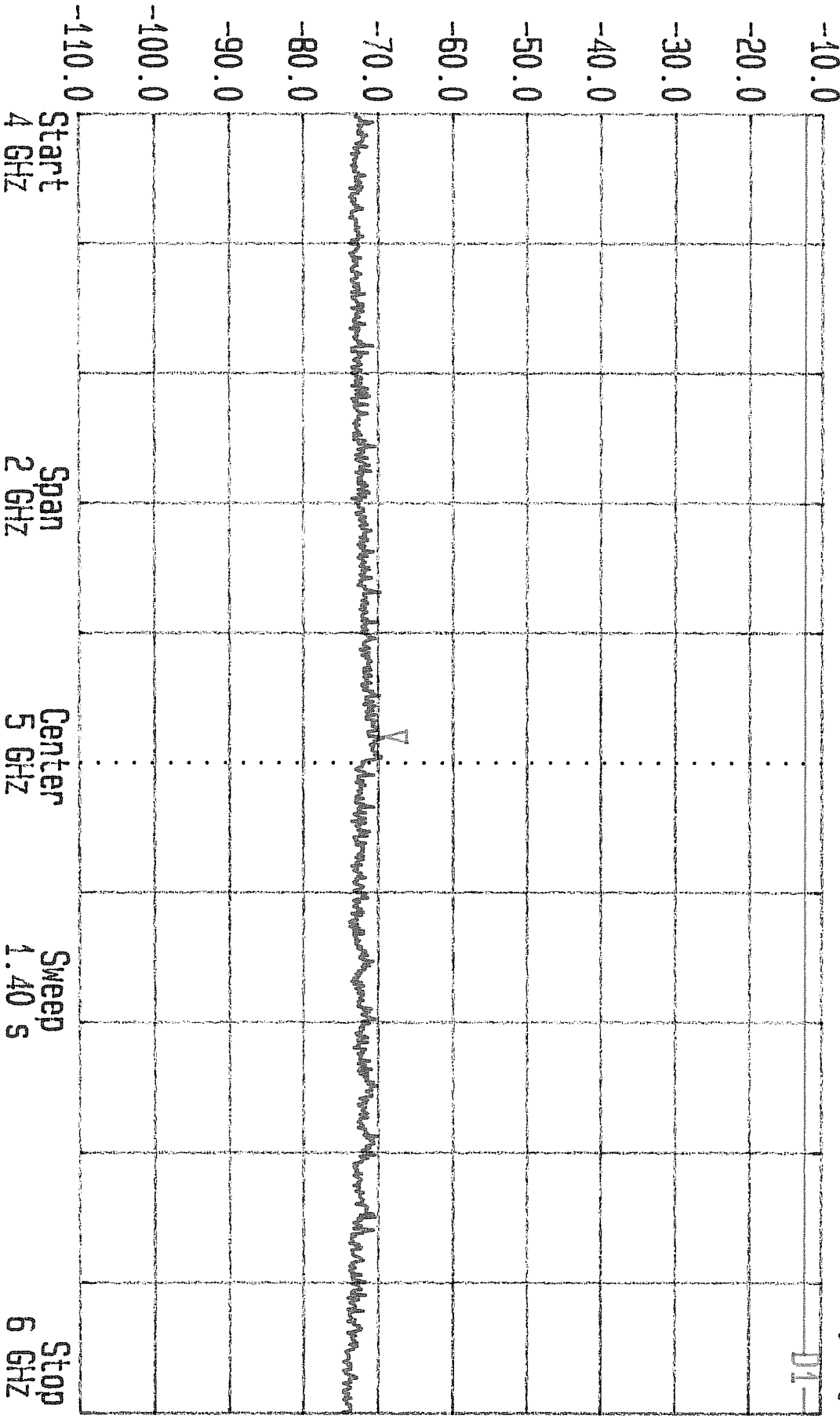


Start 2 GHz Span 2 GHz Center 3 GHz Sweep 1.40 s Stop 4 GHz



Date 14. Jun. '04 Time 17:09:18
 Ref.Lvl -10.00 dBm Marker -68.71 dBm
 4.9622 GHz

Res.Bw 100 KHz [imp]
 CF.Stp 200.000 MHz
 Vid.Bw 1 MHz
 RF.Att 20 dB
 Unit [dBm]



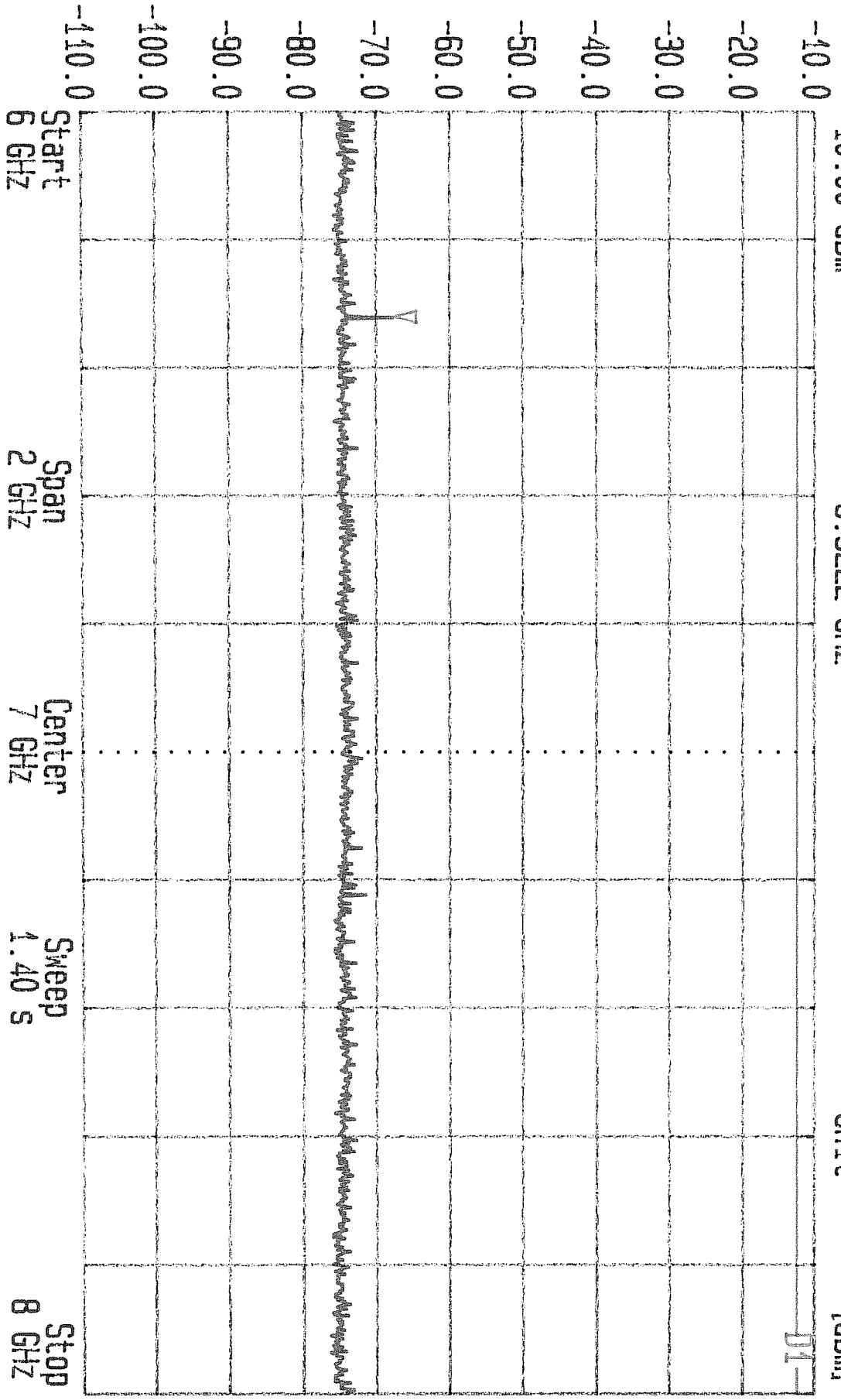
Start 4 GHz Span 2 GHz Center 5 GHz Sweep 1.40 s Stop 6 GHz



Date 14. Jun. '04 Time 17:12:24
 Ref. Lvl -10.00 dBm
 Marker -66.95 dBm
 6.3222 GHz

Res. BW 100 kHz [imp]
 TG. Lvl off
 CF. Stp 200.000 MHz

Vid. BW 1 MHz
 RF. Att Unit
 20 dB [dBm]



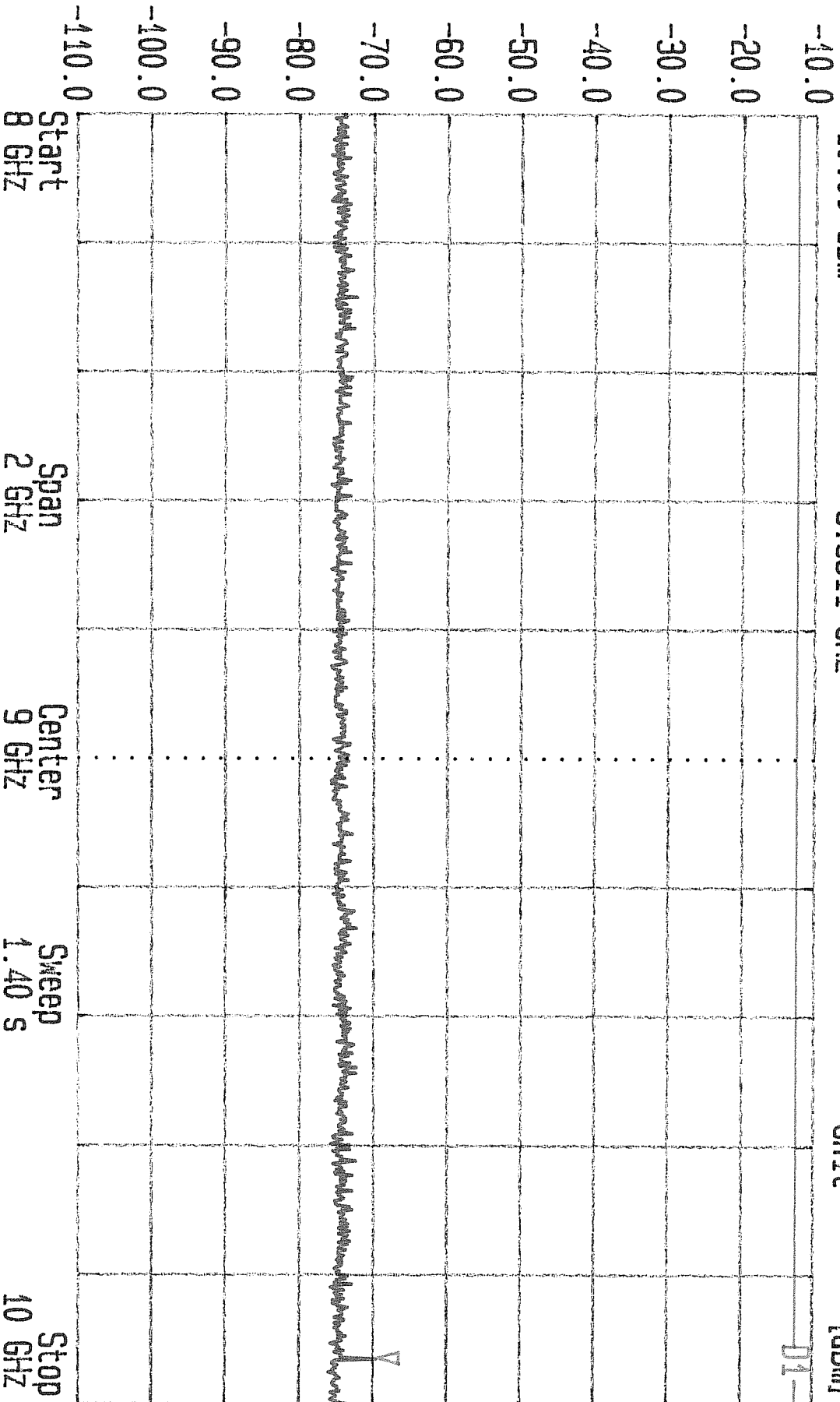
Start 6 GHz Span 2 GHz Center 7 GHz Sweep 1.40 s Stop 8 GHz



Date 14. Jun. '04 Time 17:17:06
Ref. Lvl -10.00 dBm
Marker -69.11 dBm
9.9311 GHz

Res. Bw 100 kHz [imp]
TG. Lvl off
CF. Stp 200.000 MHz

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



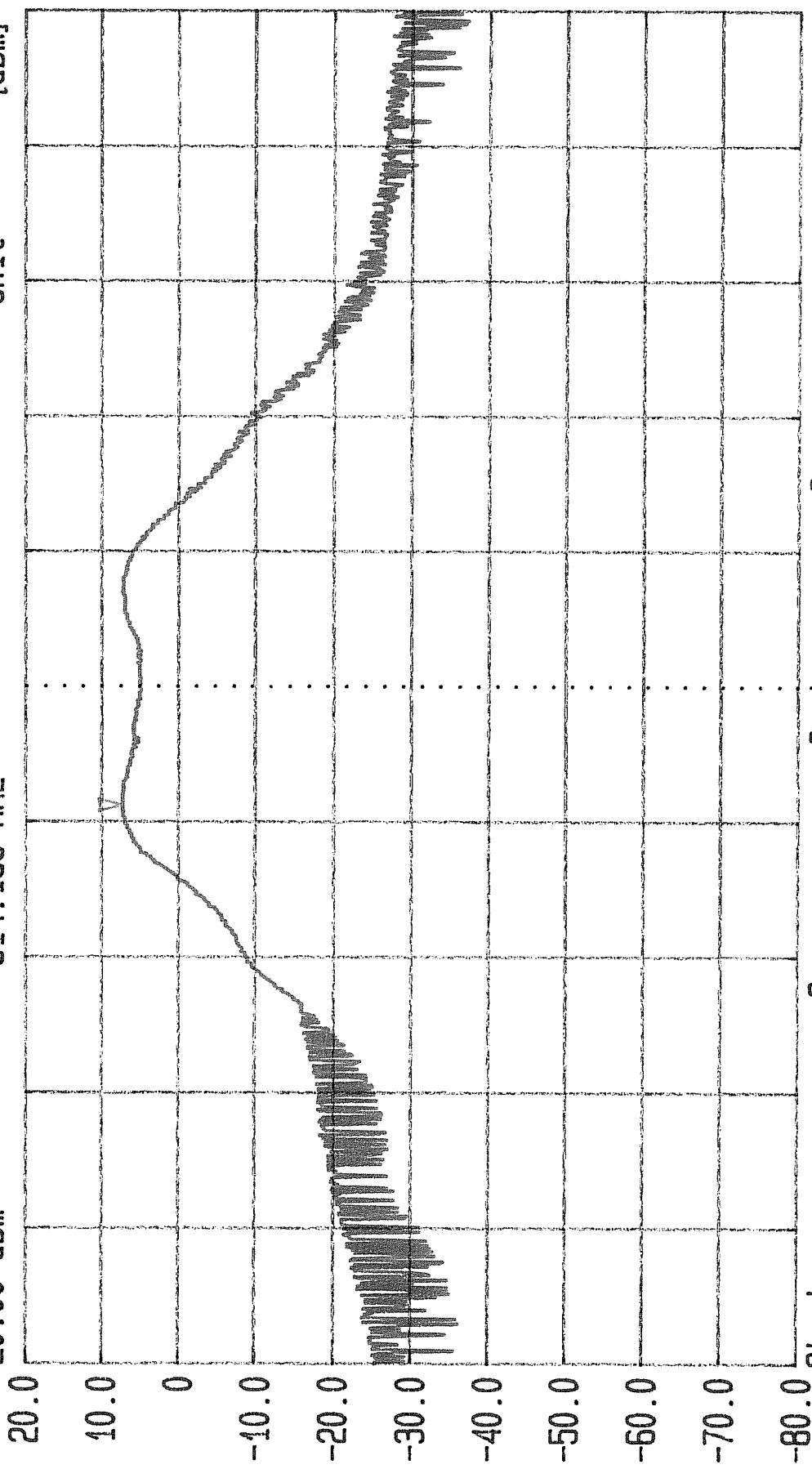


Middle Channel



Date 14. Jun. '04 Time 16:25:24
Ref.Lvl 20.00 dBm
Marker 7.61 dBm
914.186 MHz

Res.Bw 100 kHz [imp]
TG.Lvl off
CF.Stp 100.000 kHz
Vid.Bw 1 MHz
AF.Att 40 dB
Unit [dBm]



Start 913.773333 MHz
Center 914.273333 MHz
Stop 914.773333 MHz
Span 1 MHz
Sweep 80 ms

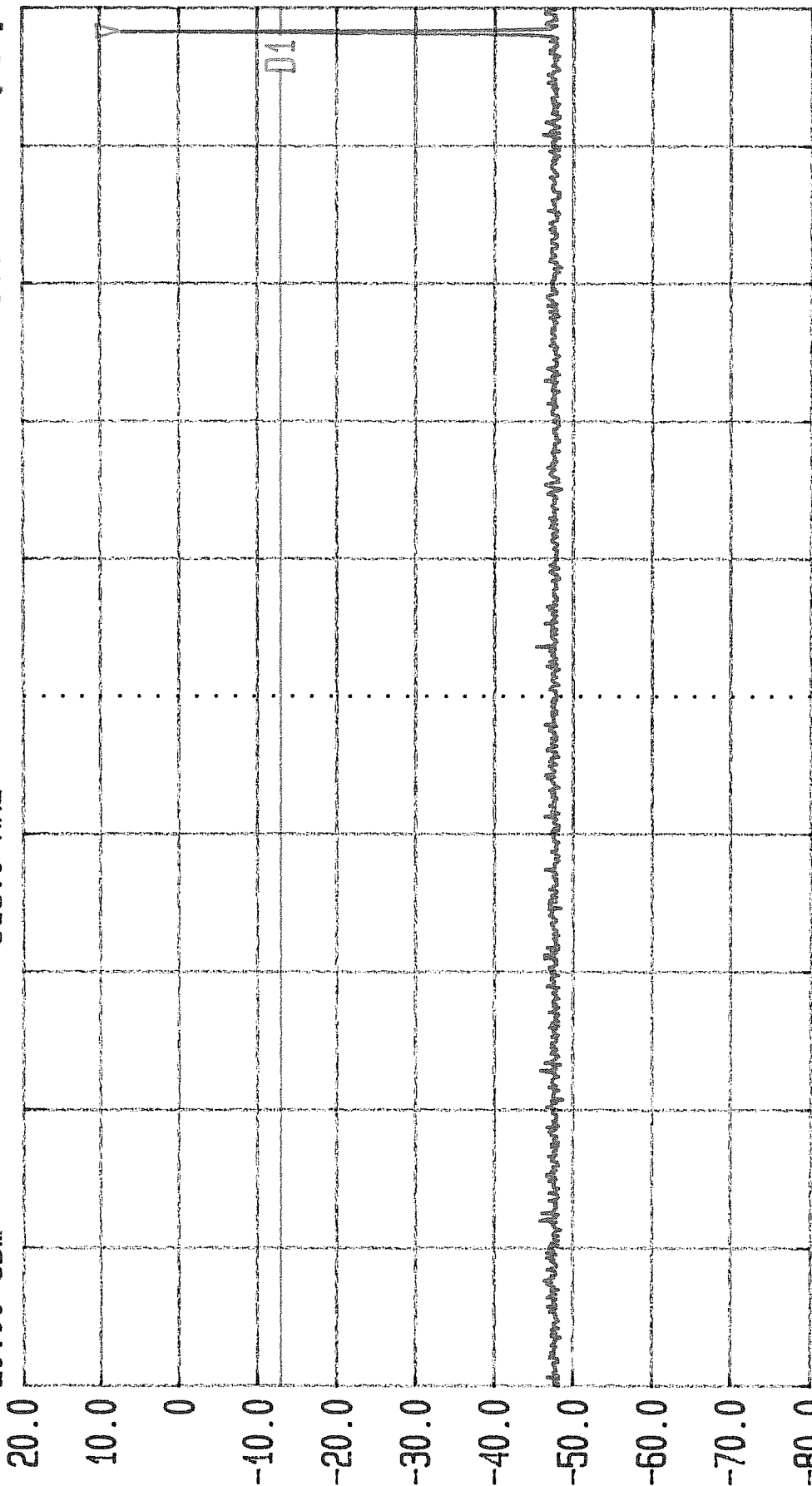


Date 14 Jun. '04 Time 16:28:39
Ref.Lvl 20.00 dBm
Marker 7.54 dBm
915.0 MHz

Res.Bw
TG.Lvl
CF.Stp

100 kHz [imp]
Off
90.000 MHz

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



Start
30 MHz

Span
900 MHz

Center
480 MHz

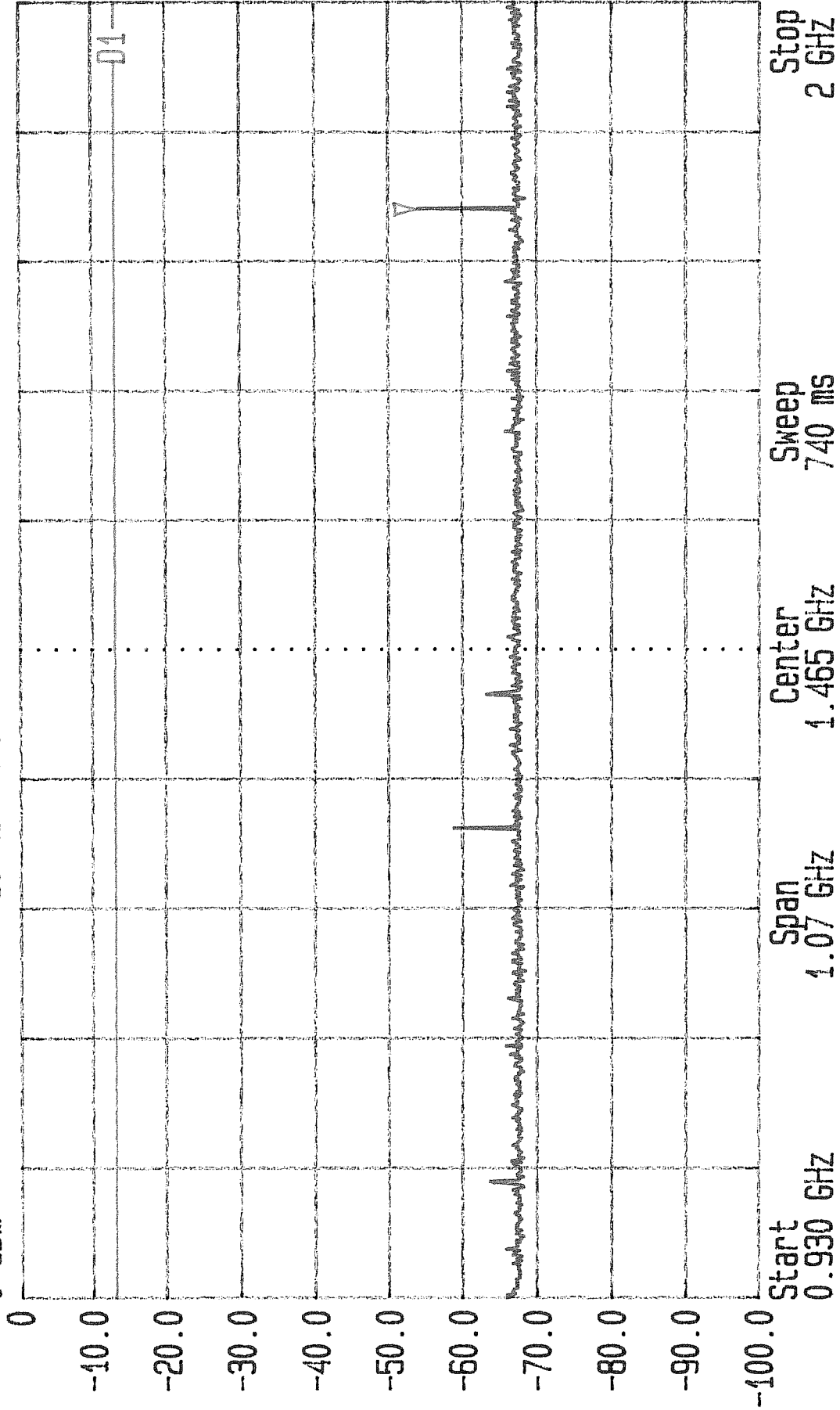
Sweep
600 ms

Stop
930 MHz



Date 14.Jun.'04 Time 16:31:43
Ref.Lvl 0 dBm
Marker -53.52 dBm
1.8299 GHz

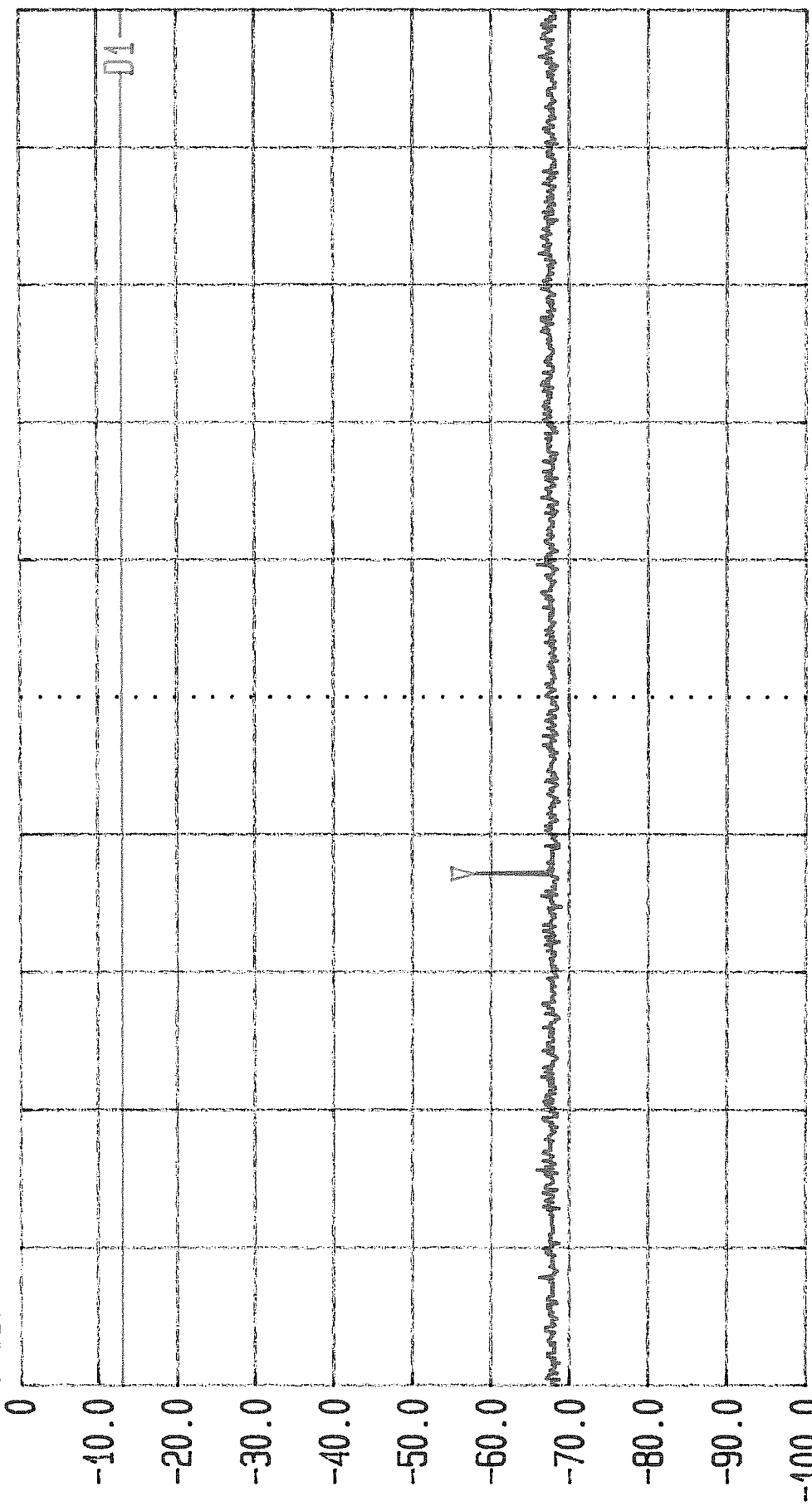
Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 107.000 MHz
Vid.Bw 1 MHz
RF.Att 20 dB
Unit [dBm]





Date 14.Jun.'04 Time 16:35:59
Ref.Lvl 0 dBm
Marker -57.54 dBm
2.7444 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 200.000 MHz
Vid.Bw 1 MHz
AF.Att 20 dB
Unit [dBm]

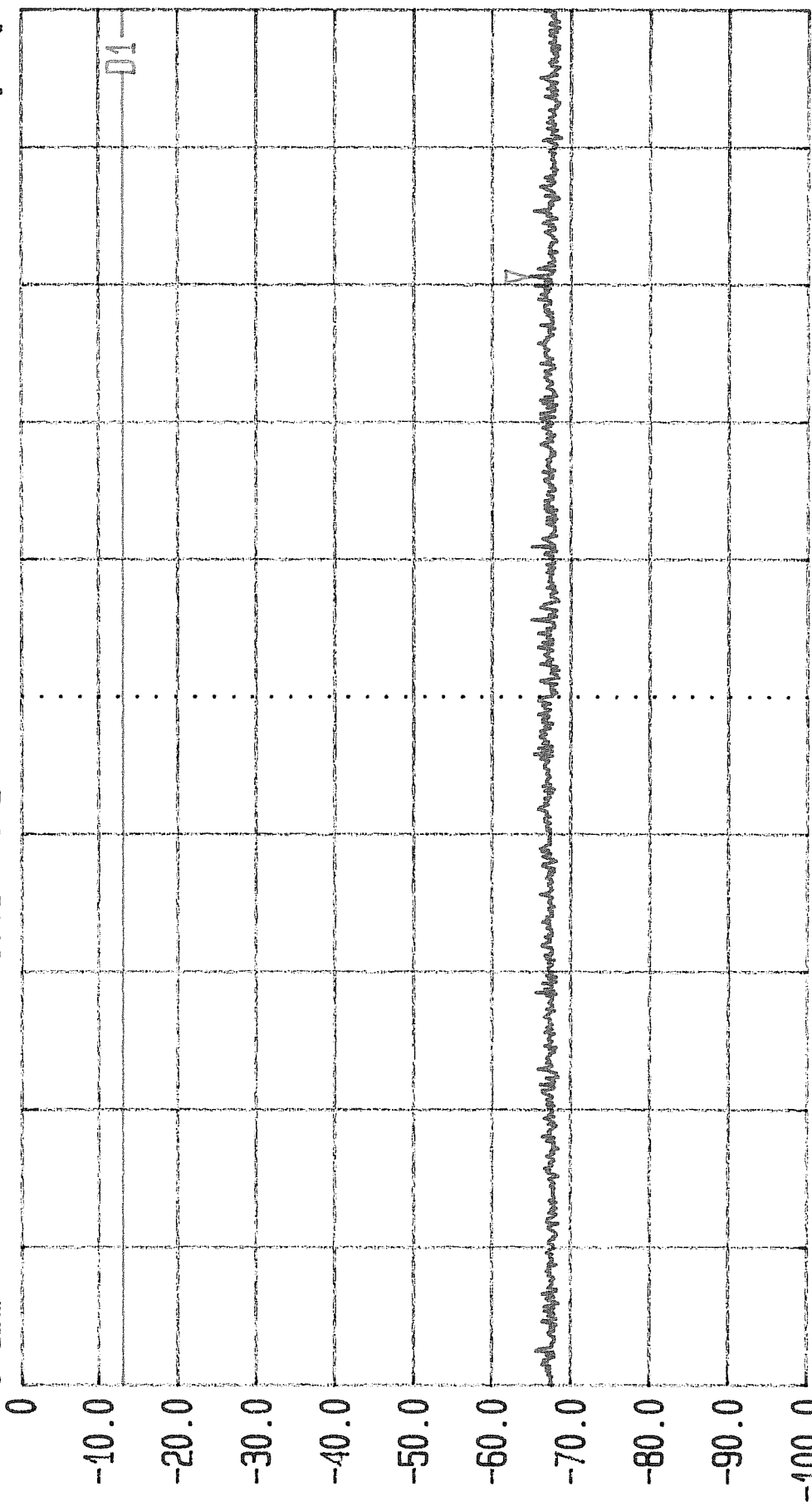


Start 2 GHz
Span 2 GHz
Center 3 GHz
Sweep 1.40 s
Stop 4 GHz



Date 14.Jun.'04 Time 16:39:02
Ref.Lvl 0 dBm
Marker -64.29 dBm
5.6133 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 200.000 MHz
Vid.Bw 1 MHz
RF.Att 20 dB
Unit [dBm]



Start 4 GHz
Span 2 GHz
Center 5 GHz
Sweep 1.40 s
Stop 6 GHz



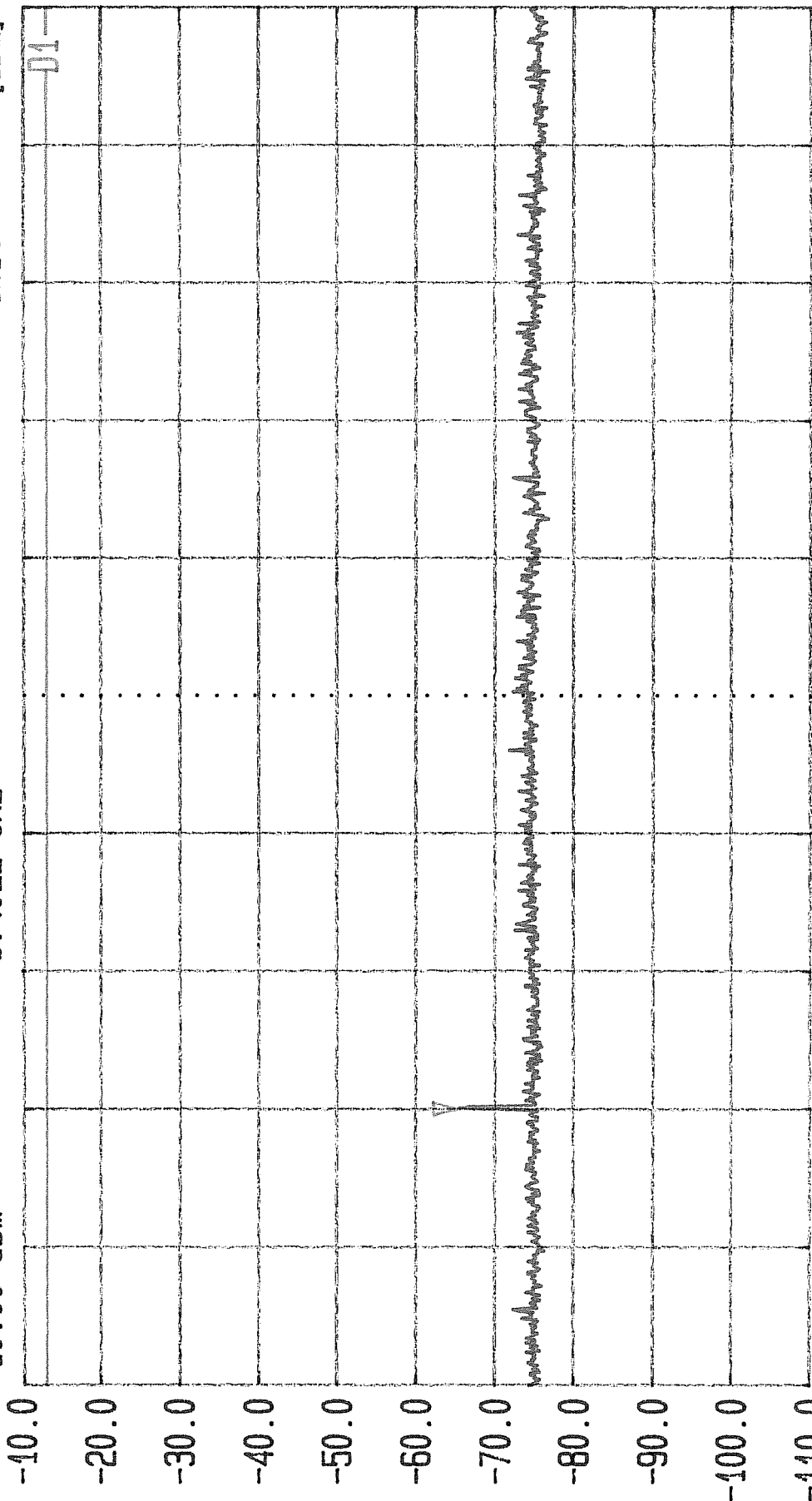
Date 14.Jun.'04 Time 16:42:07
Ref.Lvl -10.00 dBm
Marker -64.95 dBm
6.4022 GHz

Res.Bw
TG.Lvl
CF.Stp

100 kHz [imp]
Off
200.000 MHz

Vid.Bw
RF.Att
Unit

1 MHz
20 dB
[dBm]



Start
6 GHz

Span
2 GHz

Center
7 GHz

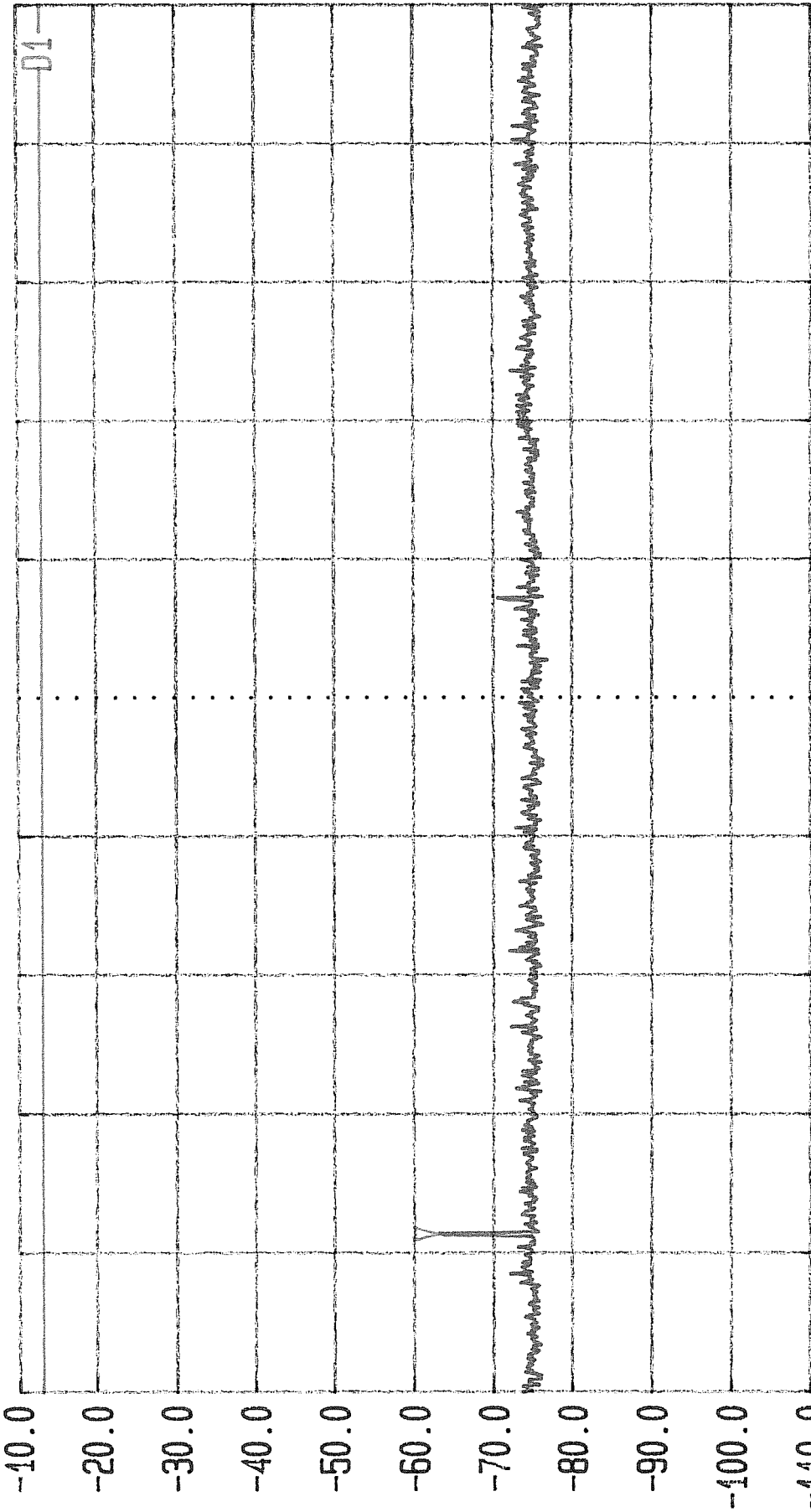
Sweep
1.40 s

Stop
8 GHz



Date 14.Jun.'04 Time 16:45:16
Ref.Lvl -10.00 dBm
Marker -62.71 dBm
8.2288 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 200.000 MHz
Vid.Bw 1 MHz
RF.Att 20 dB
Unit [dBm]



Start 8 GHz
Span 2 GHz
Center 9 GHz
Sweep 1.40 s
Stop 10 GHz



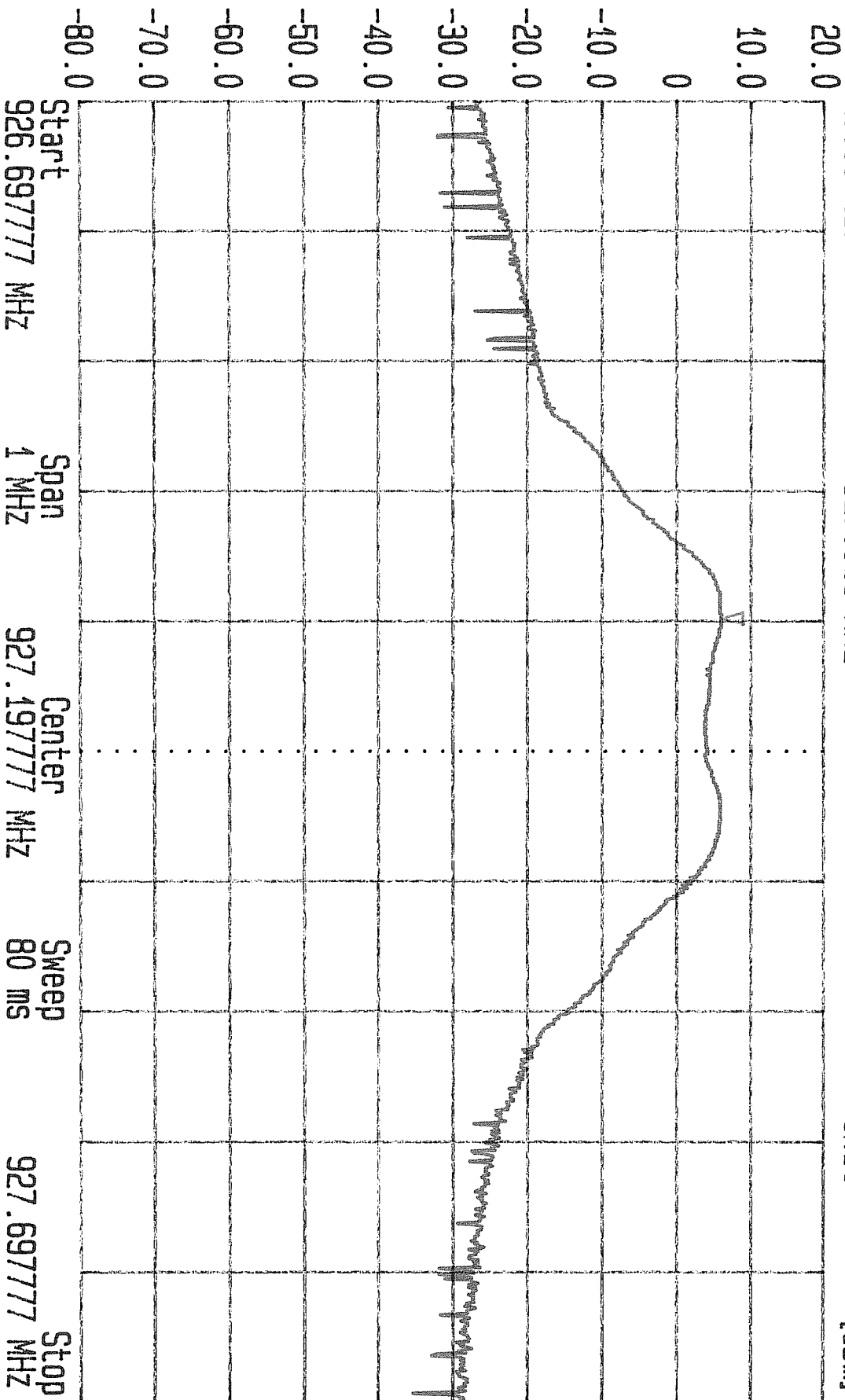
High Channel



Date 14. Jun. '04 Time 16:03:06
Ref. Lvl 20.00 dBm Marker 6.29 dBm
927.096 MHz

Res. BW 100 kHz [imp]
TG. Lvl 1 Off
CF. Stp 100.000 kHz

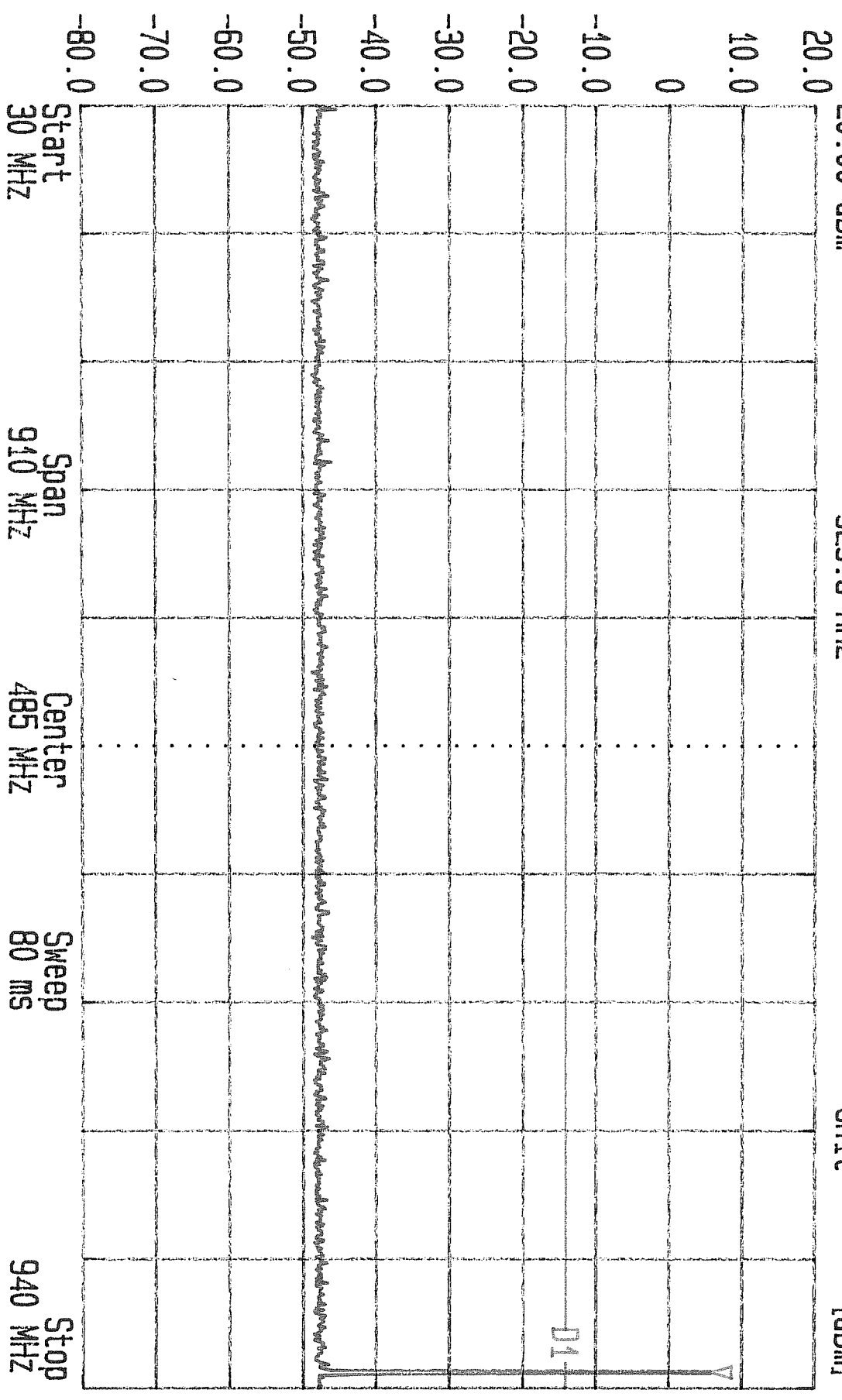
Vid. BW 1 MHz
RF. Att 40 dB
Unit [dBm]





Date 14. Jun. '04 Time 16:06:12
 Ref.Lvl 20.00 dBm Marker 5.94 dBm
 929.8 MHz

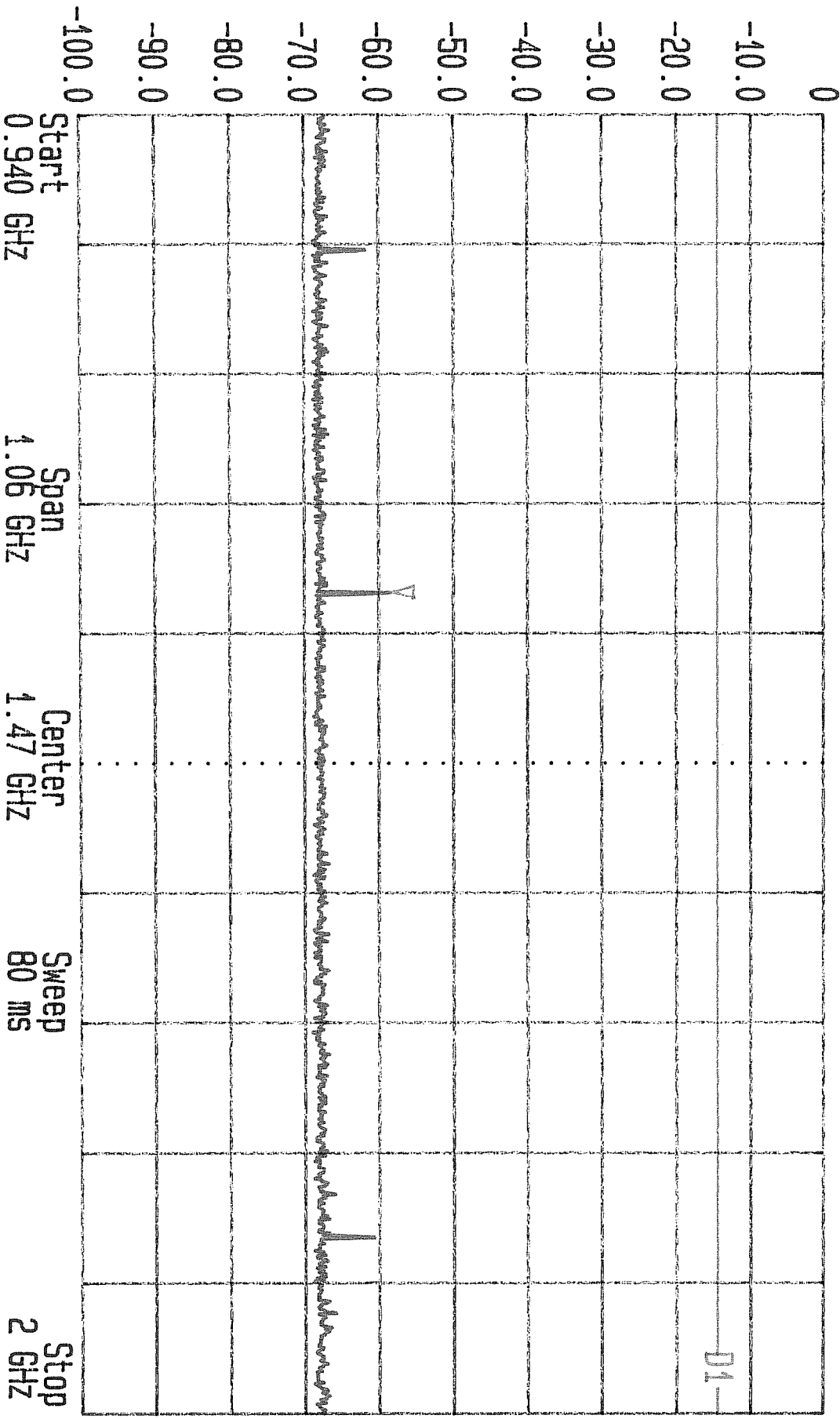
Res.Bw 100 kHz [imp]
 TG.Lvl 1 CF.Stp off
 Vid.Bw 1 MHz
 RF.Att Unit 40 dB [dBm]





Date 14. Jun. '04 Time 16:09:34
Ref. Lvl 0 dBm Marker -57.99 dBm
1.3310 GHz

Res. BW 100 kHz [imp]
16. Lvl 1 off
CF. Stp 106.000 MHz
Vid. BW 1 MHz
RF. Att 20 dB
Unit [dBm]



Start 0.940 GHz Span 1.06 GHz Center 1.47 GHz Sweep 80 ms Stop 2 GHz



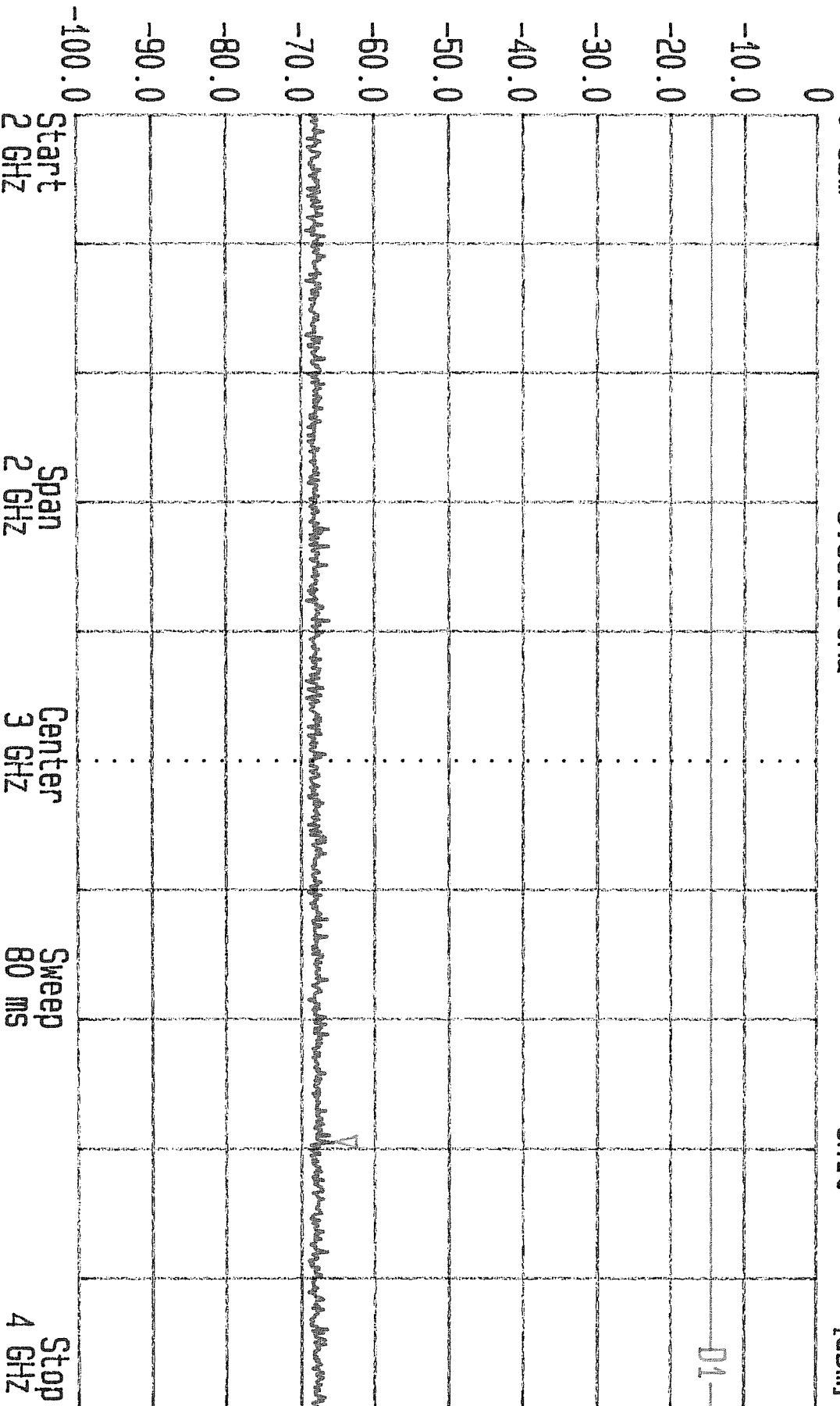
Date 14. Jun. '04 Time 16:12:51
 Ref.Lvl 0 dBm Marker -65.26 dBm
 3.5911 GHz

Res.Bw 100 KHz [imp]
 TG.Lvl 1
 CF.Stp off

200.000 MHz

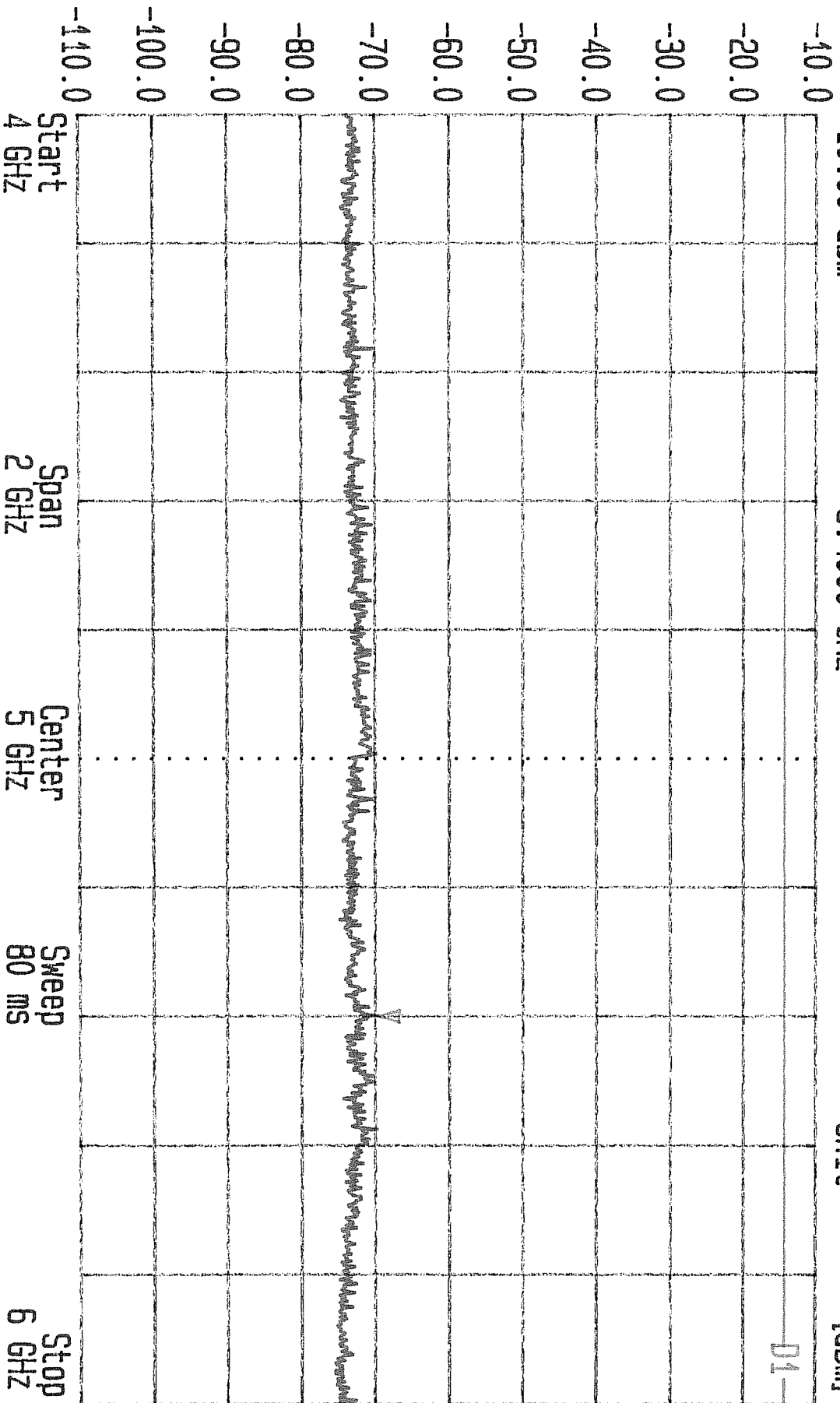
Vid.Bw 1 MHz
 RF.Att Unit

20 dB [dBm]





Date 14. Jun. '04 Time 16:17:51 Res. BW 100 kHz [imp] Vid. BW 1 MHz
 Ref. Lvl -10.00 dBm Marker -69.31 dBm TG. Lvl off PF. Att 20 dB
 5.4000 GHz CF. Stp 200.000 MHz Unit [dBm]

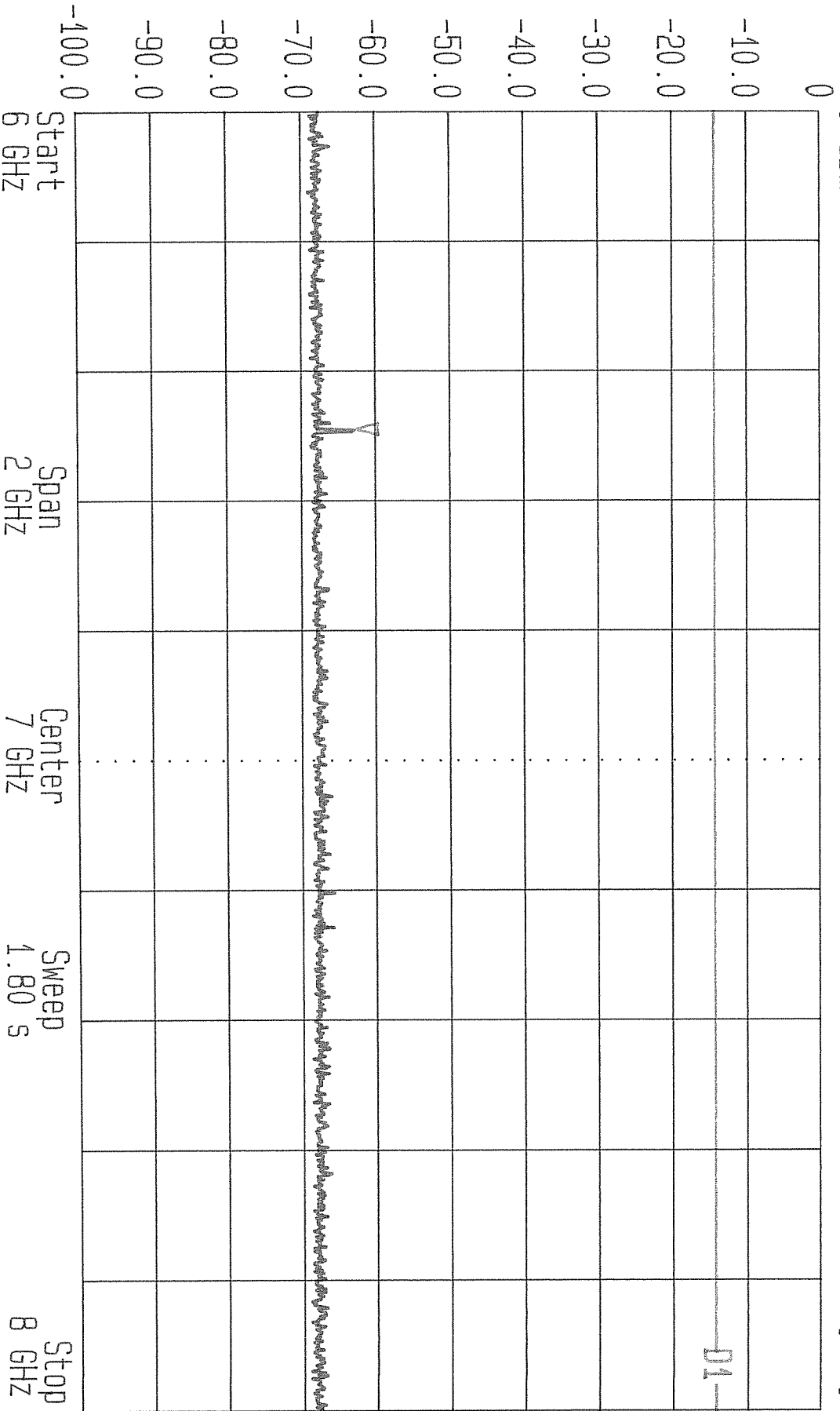


Start 4 GHz Span 2 GHz Center 5 GHz Sweep 80 ms Stop 6 GHz



Date 17. Jun. '04 Time 08:10:50
Ref. Lvl 0 dBm
Marker -62.36 dBm
6.4911 GHz

Res. Bw 100 kHz [Imp]
TG. Lvl off
CF. Stp 200.000 MHz
Vid. Bw 1 MHz
RF. Att Unit
20 dB [dBm]



FI



Date 14 Jun '04 Time 16:21:03
 Ref.Lvl1 -10.00 dBm Marker -74.16 dBm
 8.0000 GHz

Res.Bw 100 kHz [imp]
 TG.Lvl1 off
 CF.Stp 200.000 MHz
 Vid.Bw 1 MHz
 RF.Att Unit
 20 dB [dBm]

