

FCC Part 15.247 Certification **Test Report**

FCC ID: R32-RFCU

FCC Rule Part: 15.247

ACS Report Number: 04-0170-15C

Manufacturer: Onity, Inc.
Equipment Type: Modular Radio
Model: RFCU

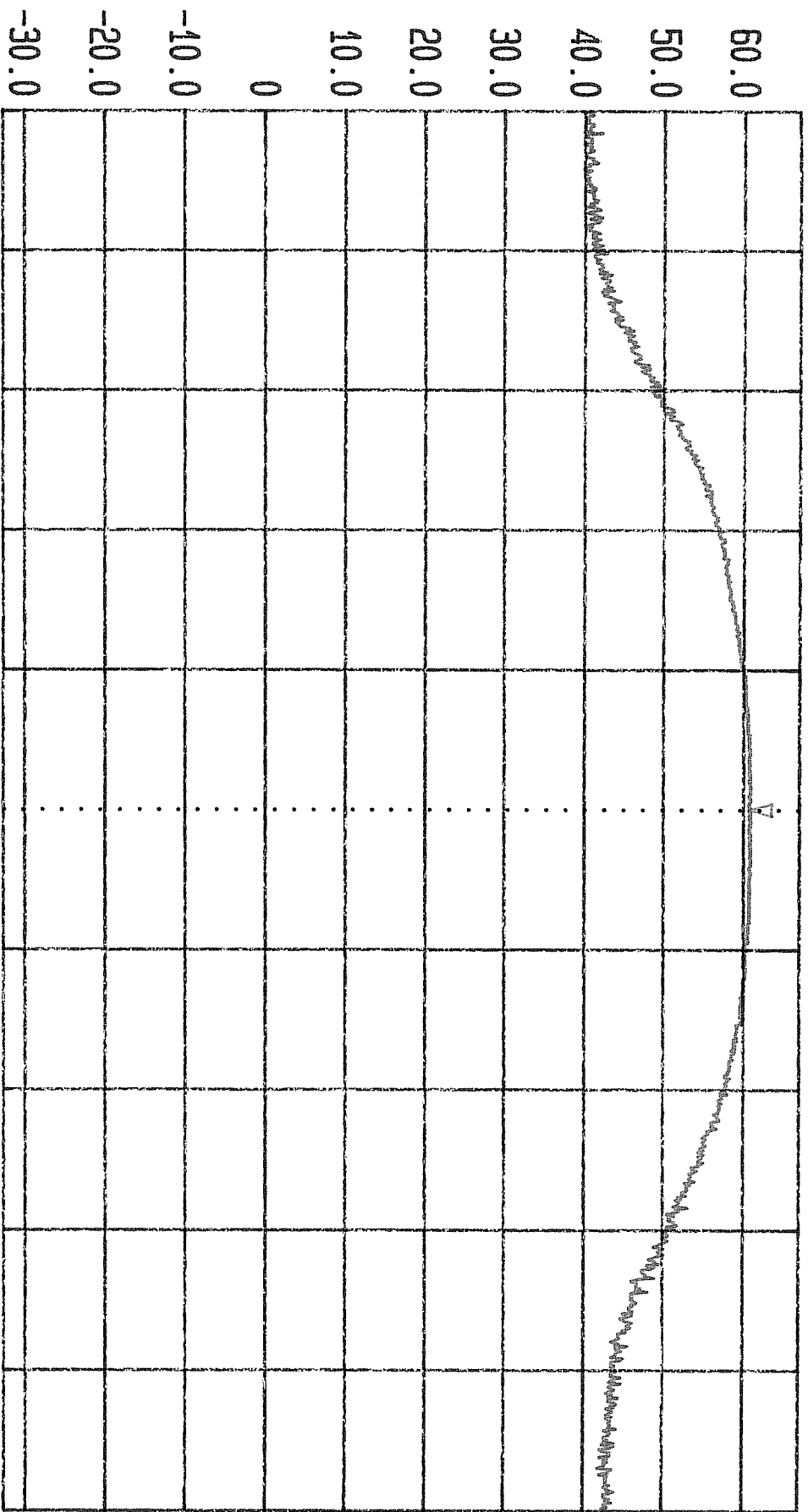
Radiated Spurious Emissions

Radiated Spurious Emissions

High Channel



Date 24.May.'04 Time 12:31:38 Res.BW 1 MHz [imp]
Ref.Lvl 67.00 dBuV Marker 60.83 dBuV CF.Str 16.Lvl off Vid.BW 1 MHz
Unit 924.870 MHz RF.Att 10 dB
[dBuV]



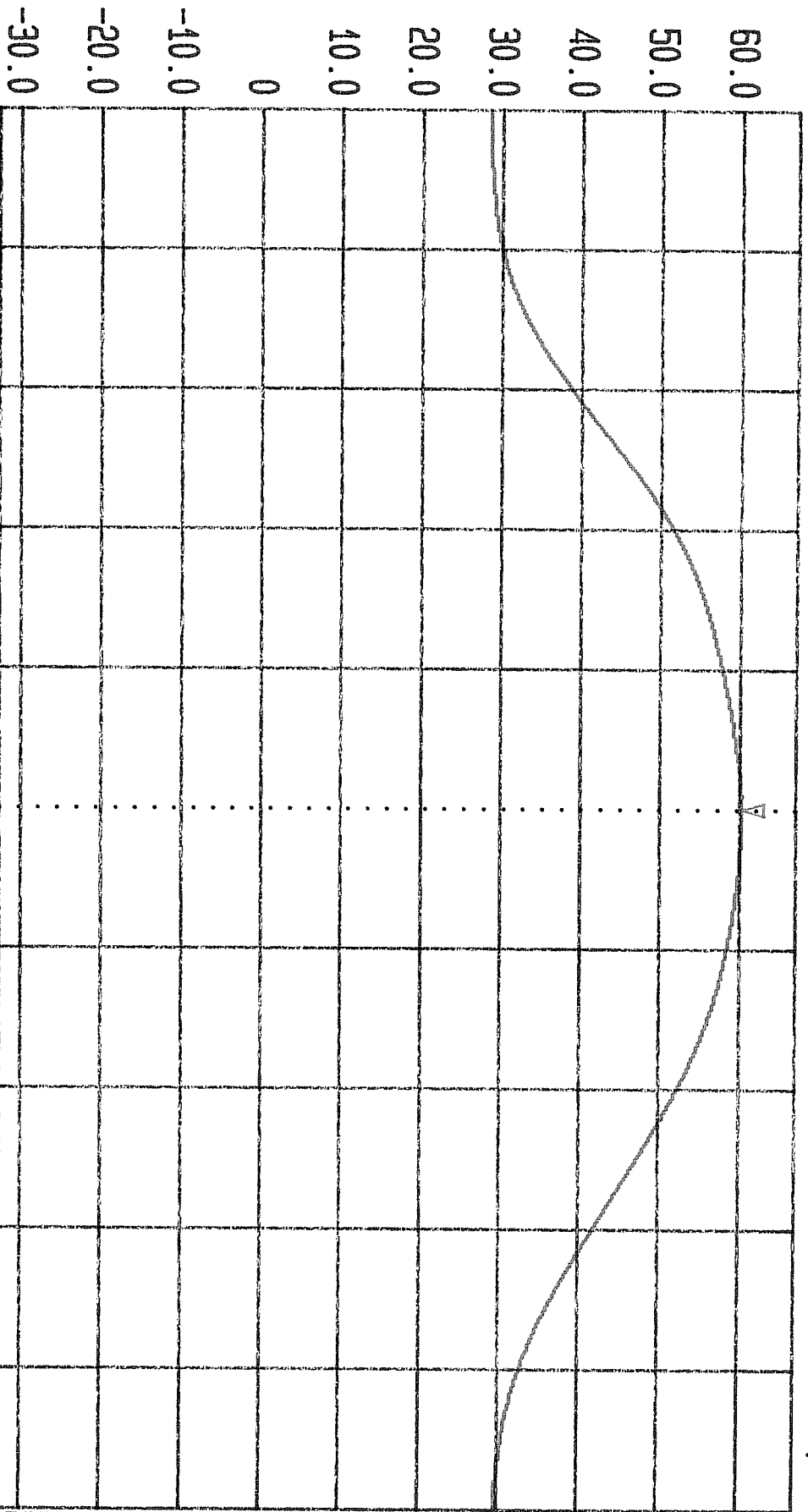
Start 2.77298 GHz Span 3 MHz Center 2.77448 GHz Sweep 20 ms Stop 2.77598 GHz

FI



Date 24. May. '04 Time 12:34:55
 Ref. Lvl 67.00 dBuV
 Marker 60.22 dBuV
 2.774480 GHz

Res. BW 1 MHz [imp]
 16. Lvl 1
 CF. Stp Off
 924.870 MHz
 Vid. BW 10 Hz
 RF. Att Unit
 10 dB [dBuV]



Start 2.77298 GHz Span 3 MHz Center 2.77448 GHz Sweep 6.6 s Stop 2.77598 GHz

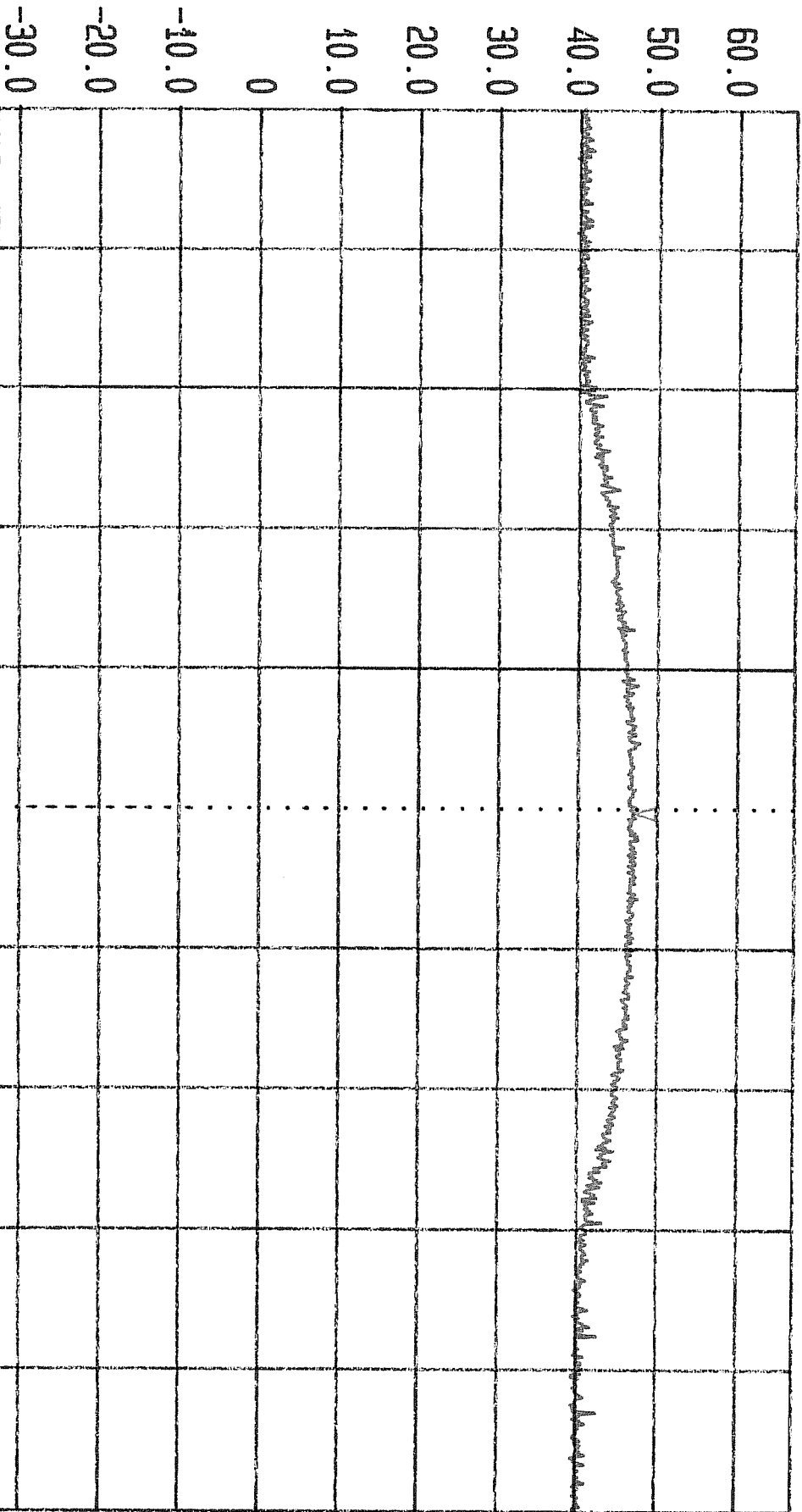
FI



Date 24. May. '04 Time 13:10:03
Ref. Lvl 67.00 dBuV
Marker 46.74 dBuV
3.699363 GHz

Res. BW 1 MHz [imp]
TG. Lvl Off
CF. Stp 924.870 MHz

Vid. BW 1 MHz
RF. Att 10 dB
Unit [dBuV]



Start 3.69785 GHz

Span 3 MHz

Center 3.69935 GHz

Sweep 20 ms

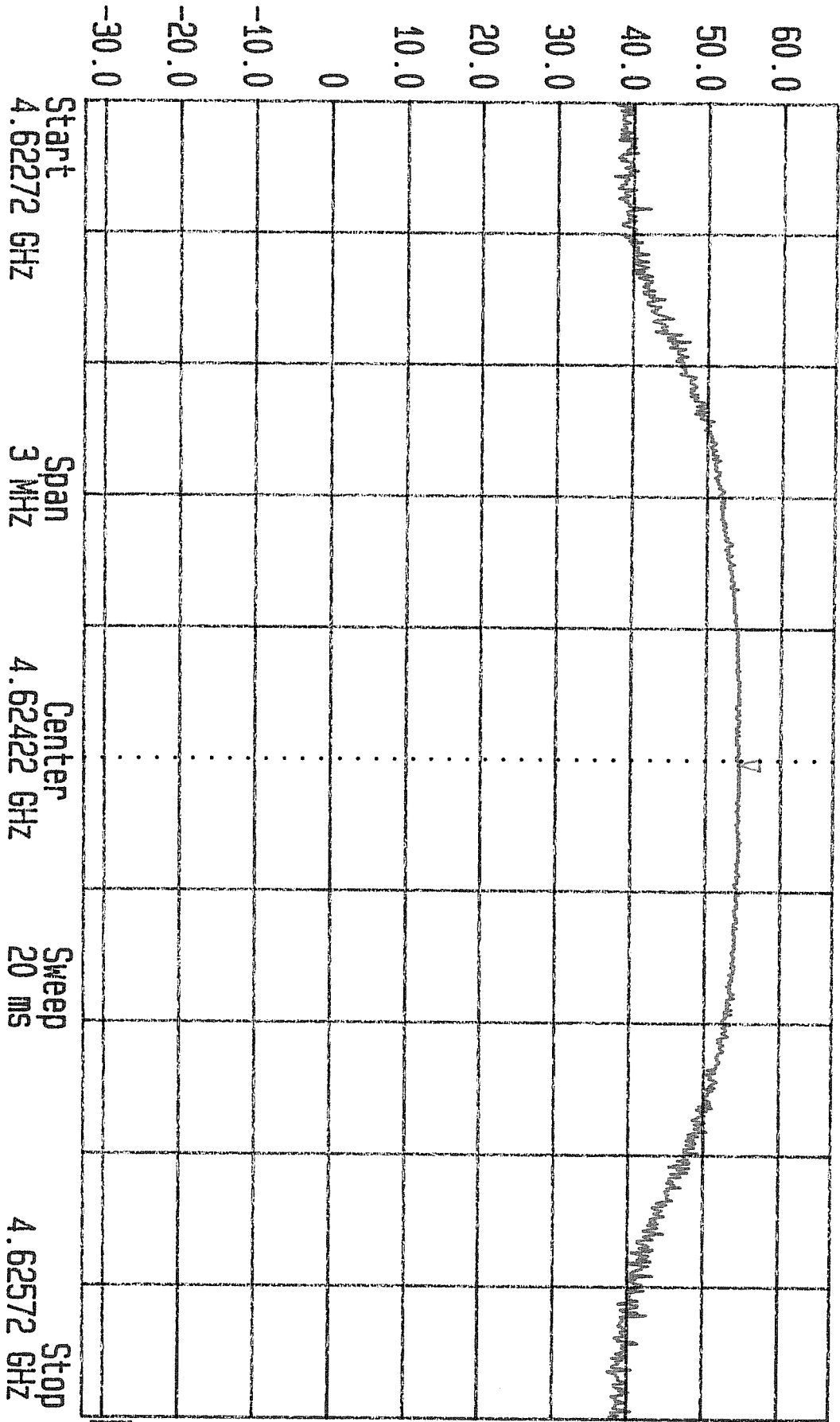
Stop 3.70085 GHz

F1



Date 24.May.'04 Time 12:44:17
 Ref.Lvl 67.00 dBuV Marker 54.44 dBuV
 4.624233 GHz

Res.BW 1 MHz [imp]
 TG.Lvl Off
 CF.Stp 924.870 MHz
 Vid.BW 1 MHz
 RF.Att 10 dB
 Unit [dBuV]



FI

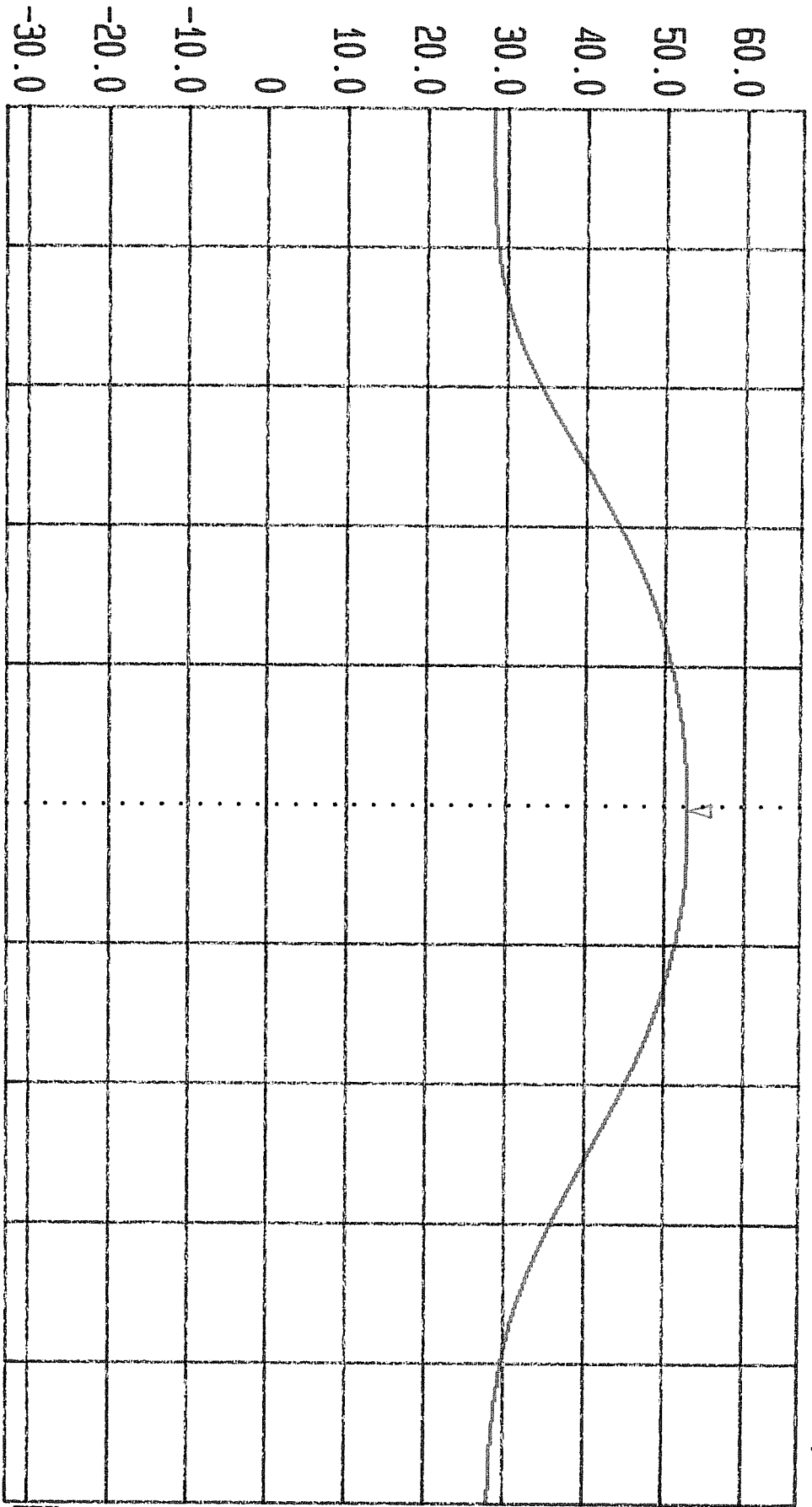


Date 24.May.'04 Time 12:47:53
 Ref.Lvl 67.00 dBuV
 Marker 53.09 dBuV
 4.624233 GHz

Res.BW 1 MHz [imp]
 TG.Lvl 1
 CF.Stp Off

Vid.BW 10 Hz
 RF.Att Unit

10 dB [dBuV]

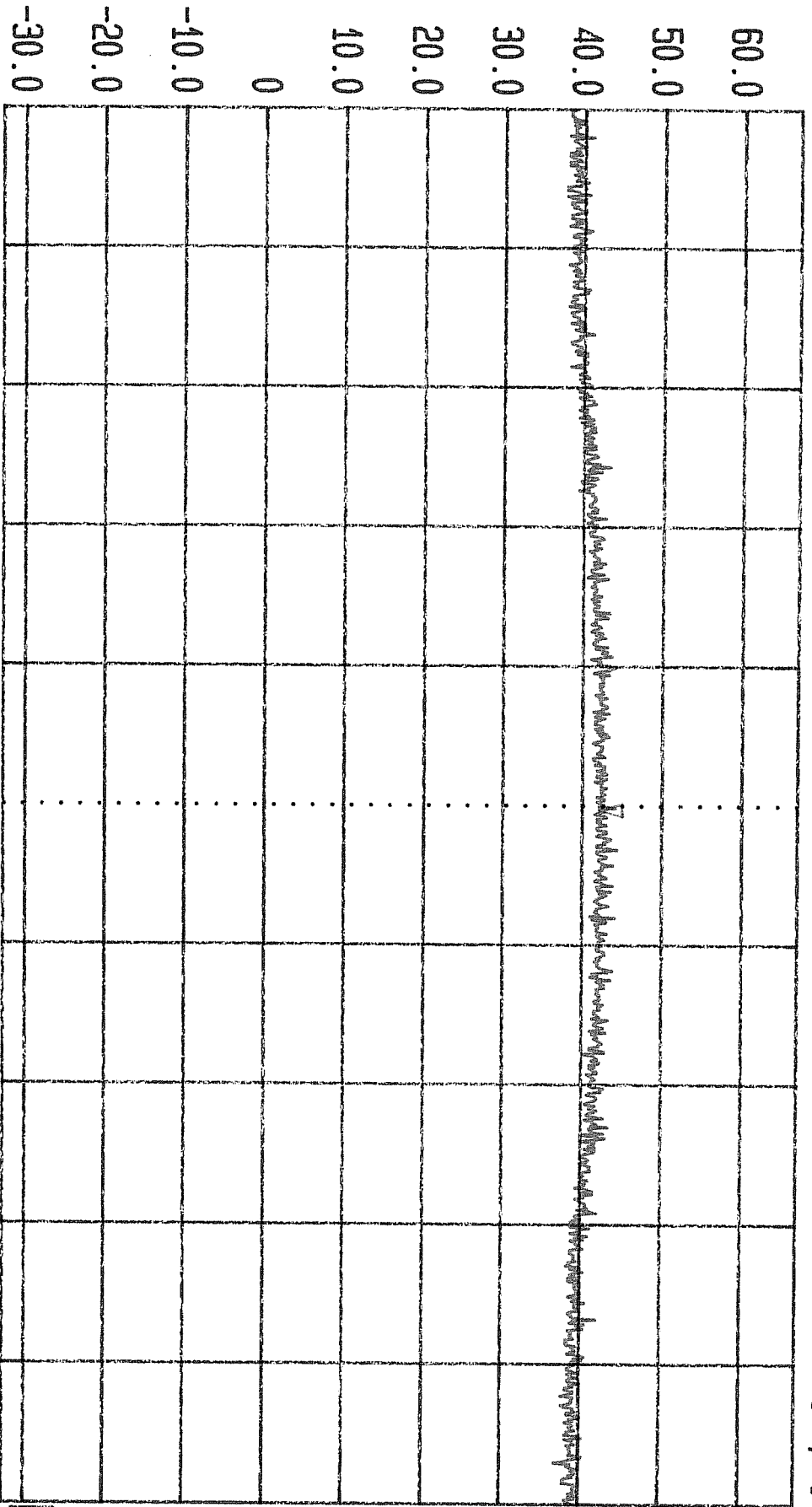


Start 4.62272 GHz Span 3 MHz Center 4.62422 GHz Sweep 6.6 s Stop 4.62572 GHz

FI



Date 24. May. '04 Time 12:55:35 Res. BW 1 MHz [imp]
 Ref. Lvl 67.00 dBuV Marker 42.07 dBuV CF. Stp 16. Lvl 1
 Vid. BW 1 MHz
 924.870 MHz off
 RF. Att Unit 10 dB [dBuV]



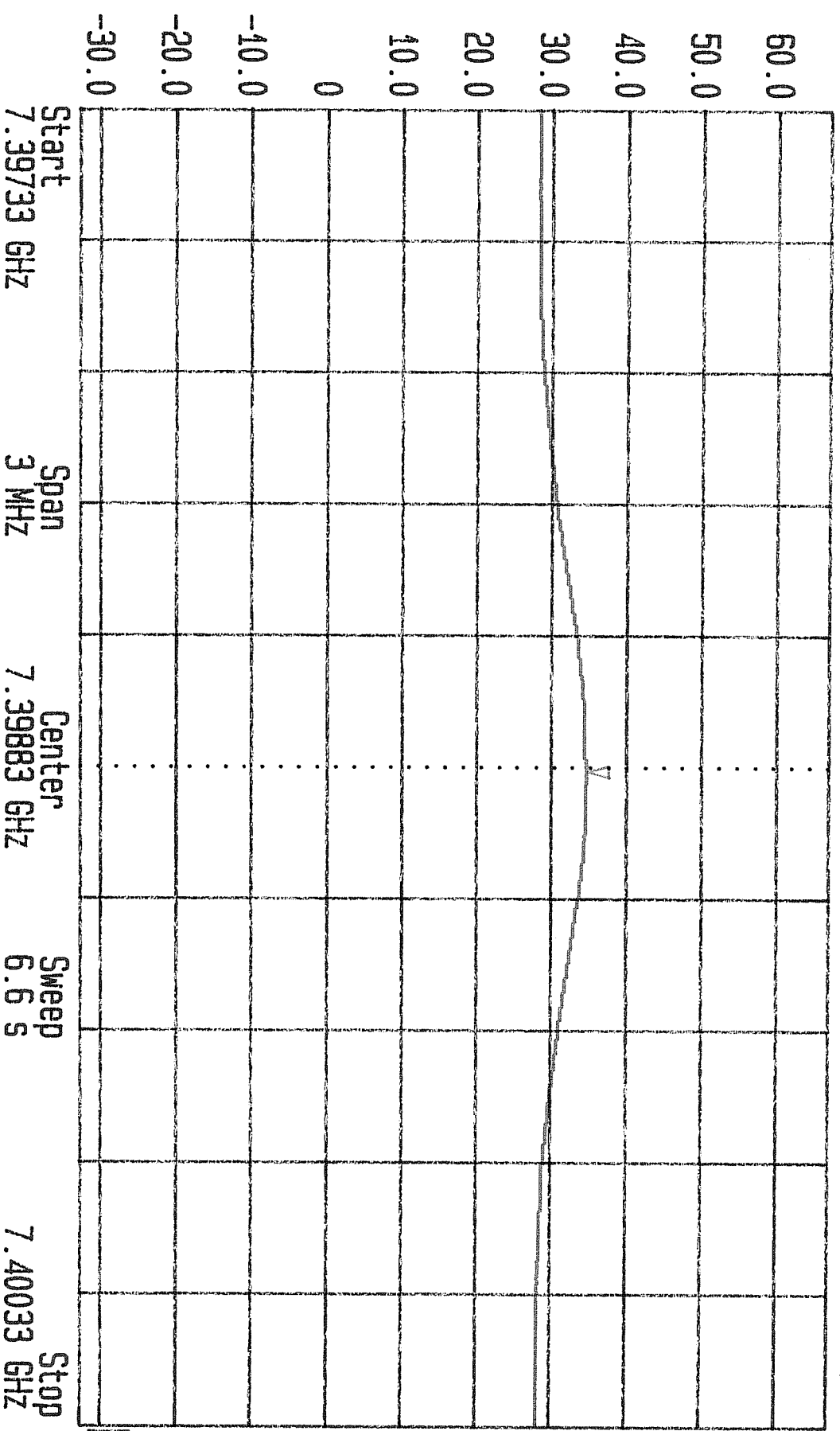
Start 7.39733 GHz Span 3 MHz Center 7.39883 GHz Sweep 20 ms Stop 7.40033 GHz

FI



Date 24. May. '04 Time 12:59:21
Ref. Lvl 67.00 dBuV
Marker 7.398840 GHz

Res. Bw 1 MHz [imp]
16. Lvl 10 Hz
CF. Stp off
924.870 MHz
Vid. Bw
RF. Att 10 dB
Unit [dBuV]



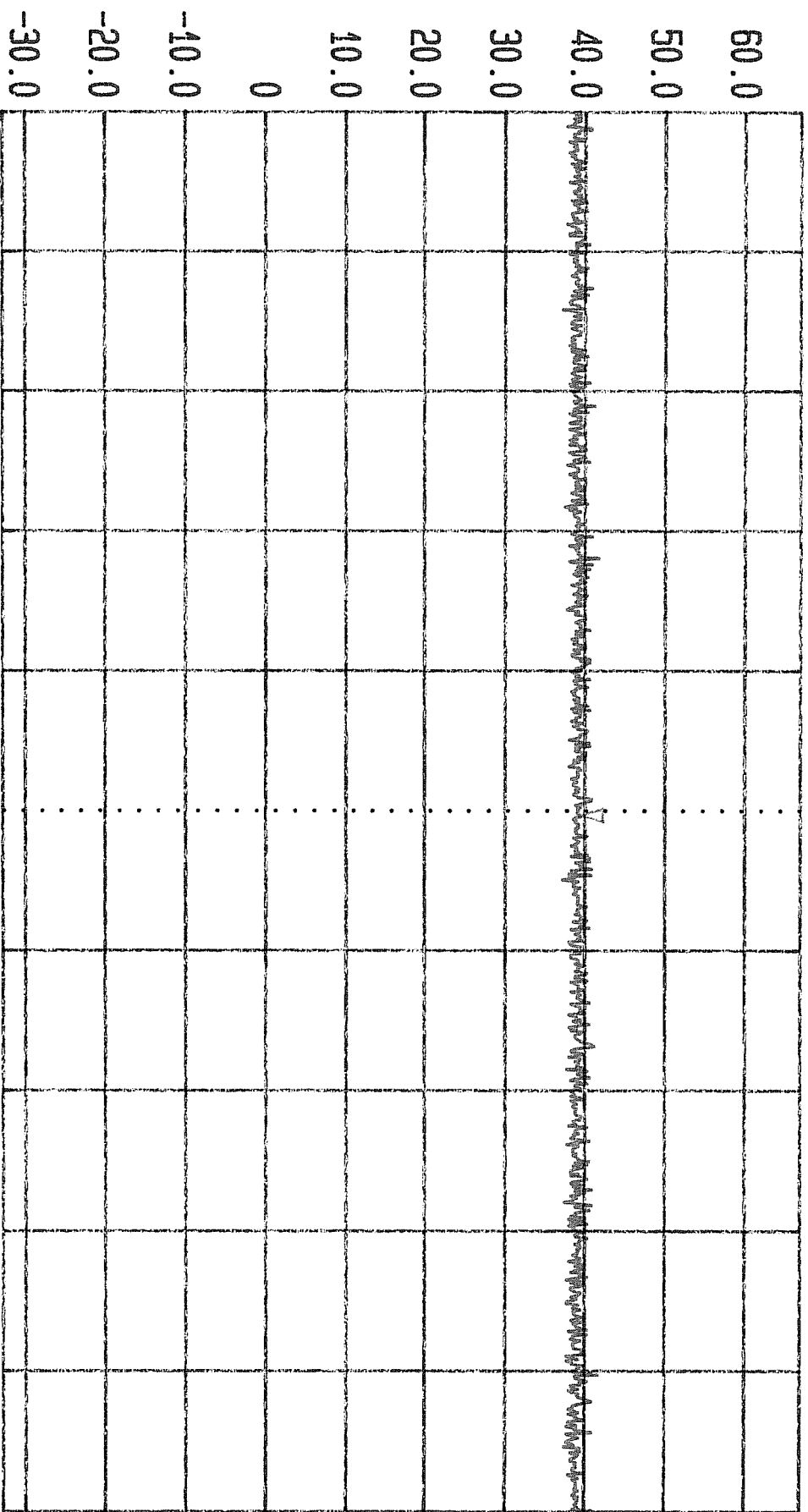
Start 7.39733 GHz Span 3 MHz Center 7.39883 GHz Sweep 6.6 s Stop 7.40033 GHz

F1



Date 24. May. '04 Time 13:02:49
 Ref. Lvl 67.00 dBuV Marker 39.28 dBuV
 8.323710 GHz

Res. BW 1 MHz [imp]
 TG. Lvl 16
 CF. Stp Off
 924.870 MHz
 Vid. BW 1 MHz
 RF. Att Unit 10 dB
 [dBuV]



Start 8.3222 GHz Span 3 MHz Center 8.3237 GHz Sweep 20 ms Stop 8.3252 GHz

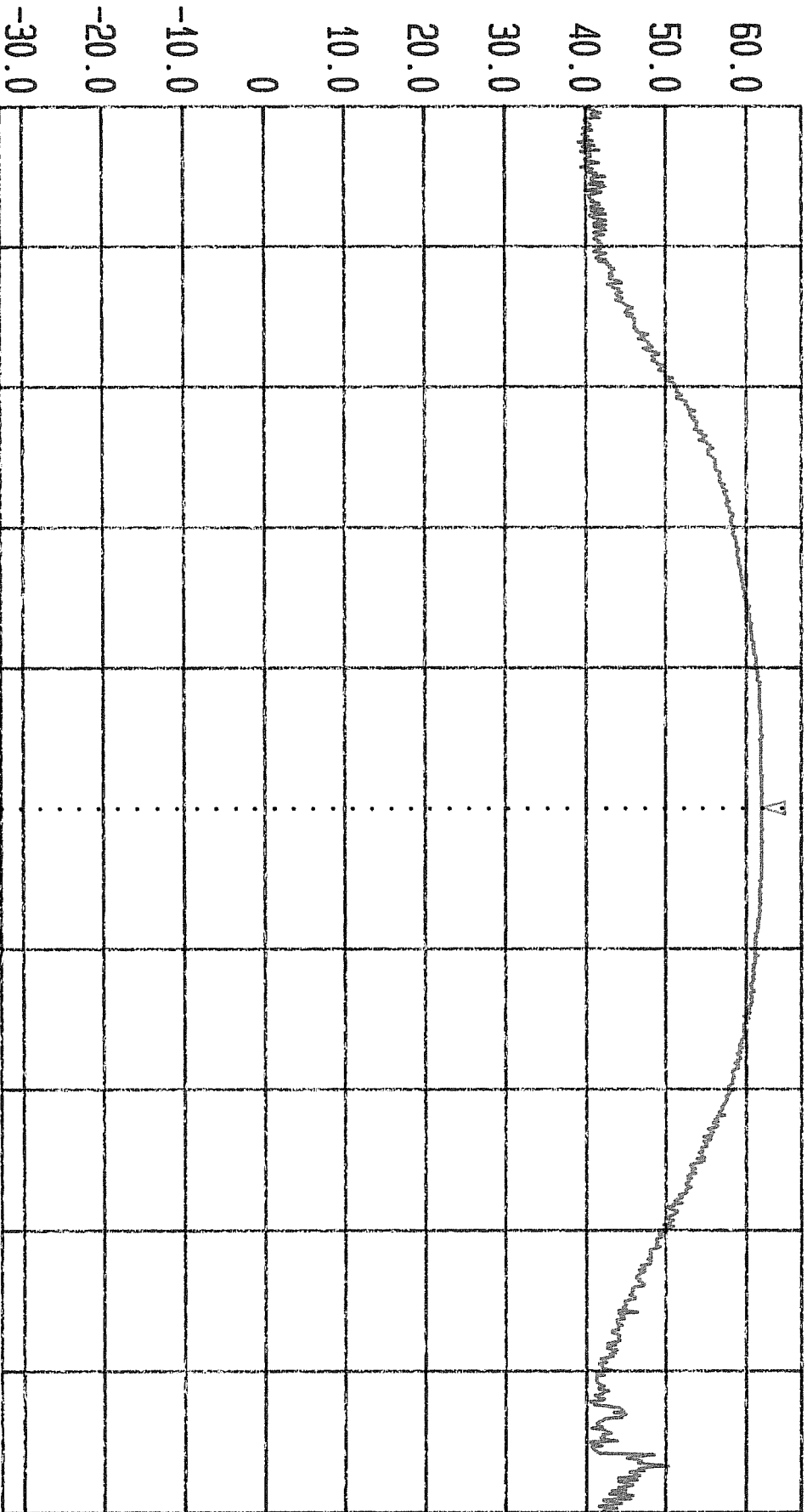
FI

Radiated Spurious Emissions

Mid Channel



Date 24. May. '04 Time 10:38:25 Res. Bw 1 MHz [imp]
Ref. Lvl 67.00 dBuV Marker 61.93 dBuV CF. Stp 905.000 MHz off Vid. Bw 1 MHz
RF. Att 10 dB
Unit [dBuV]

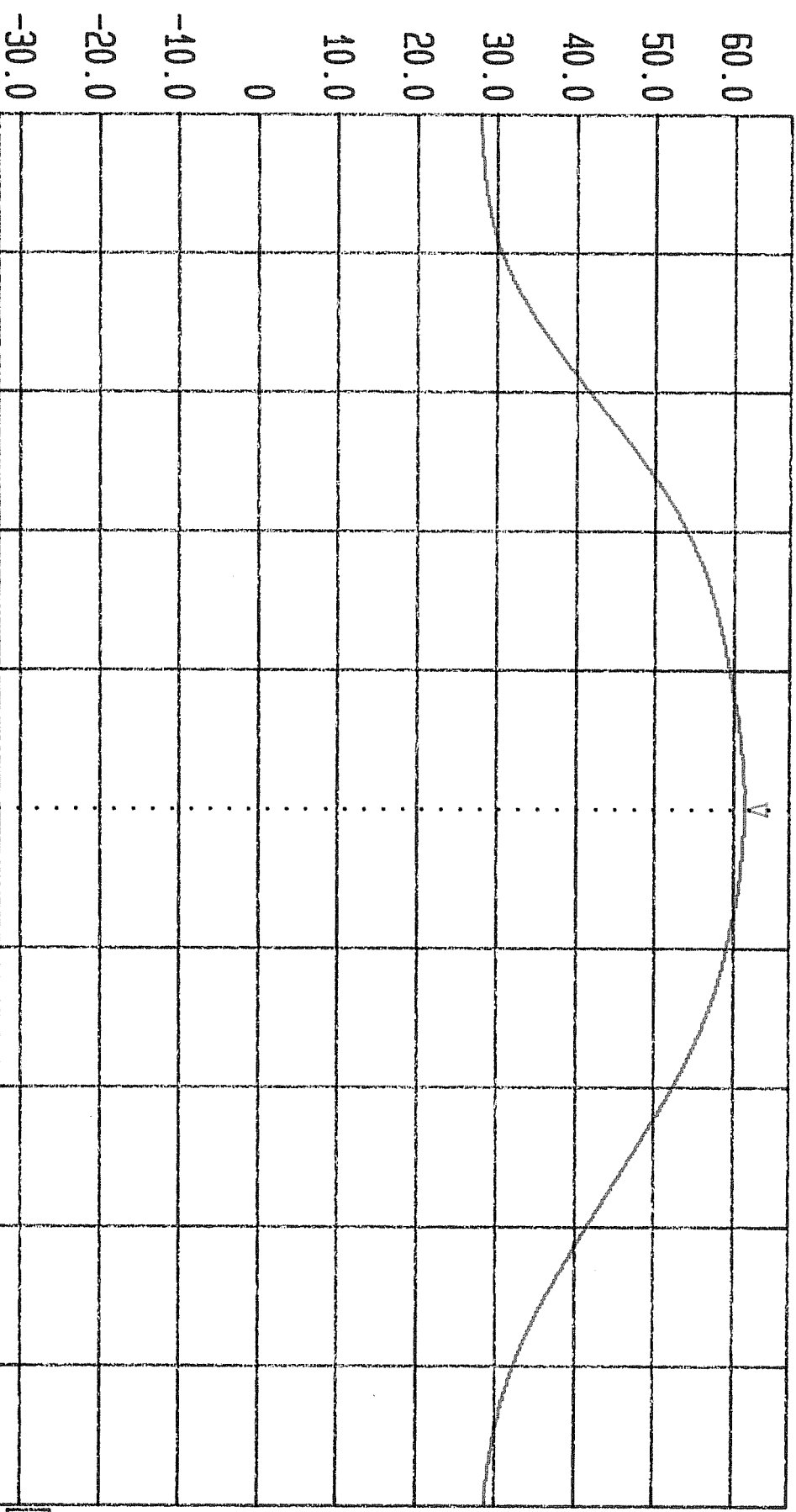


Start 2.75509999 GHz Span 3 MHz Center 2.756509999 GHz Sweep 20 ms Stop 2.75809999 GHz

FI



Date 24.May.'04 Time 10:42:38 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
 Ref.Lvl 67.00 dBuV Marker 61.34 dBuV CF.Stp 16.Lvl1 Off RF.Att Unit [dBuV]
 2.756509 GHz 905.000 MHz

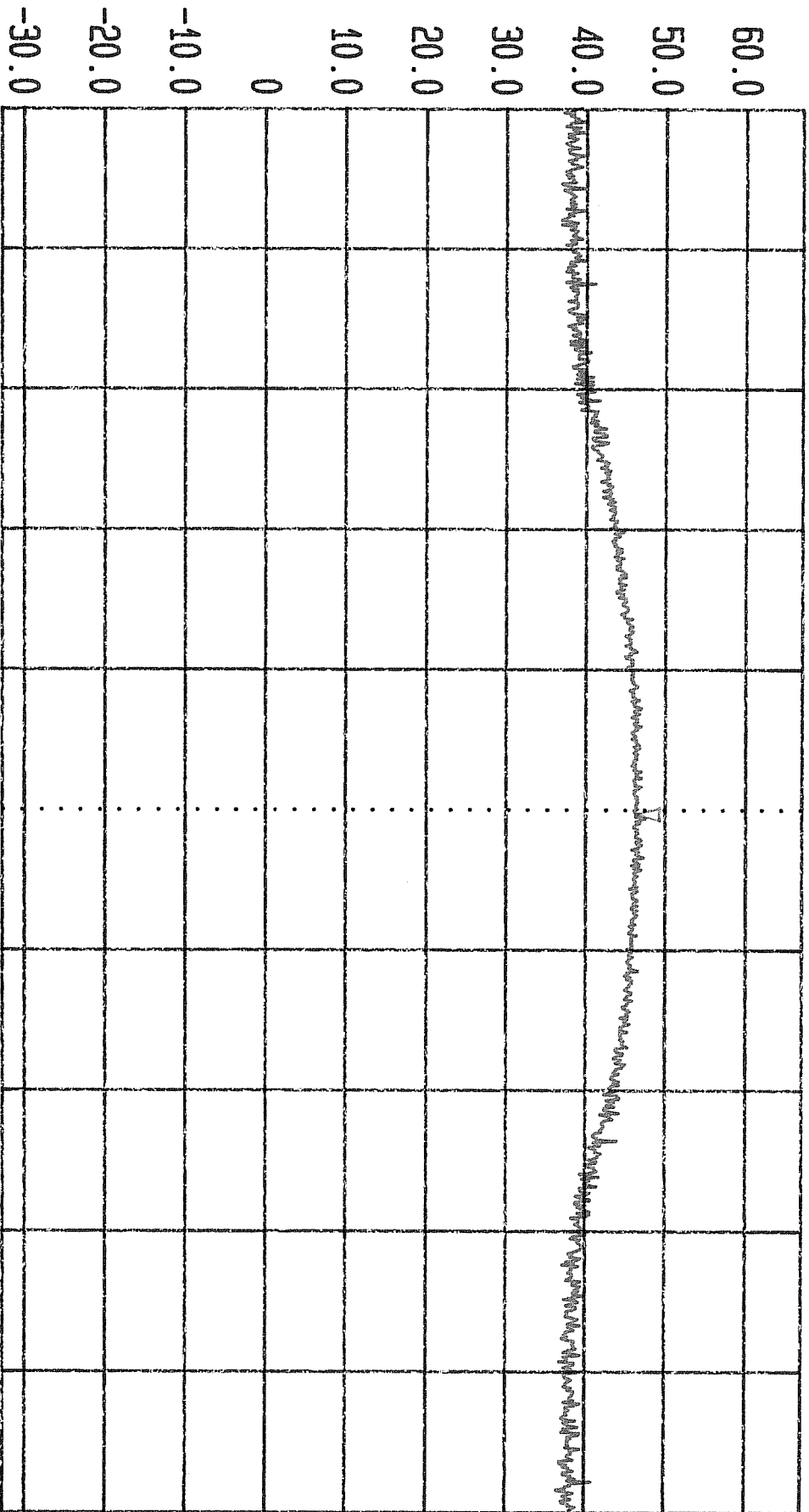


Start 2.75509999 GHz Span 3 MHz Center 2.756509999 GHz Sweep 6.6 s Stop 2.75809999 GHz

FI



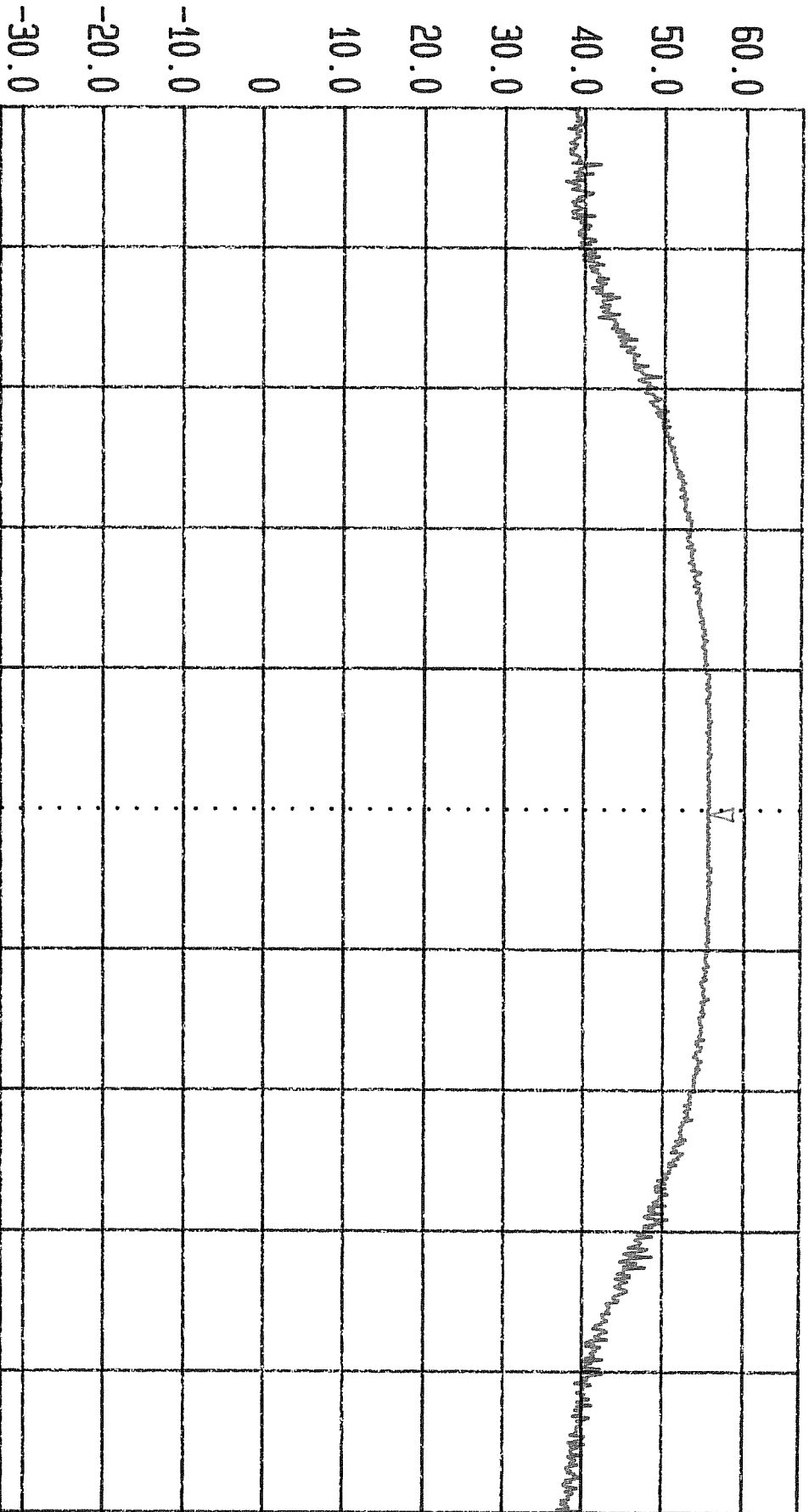
Date 24. May. '04 Time 11:18:27 Res. Bw 1 MHz [imp]
 Ref. Lvl 67.00 dBuV Marker 46.26 dBuV CF. Stp TG. Lvl off Vid. Bw 1 MHz
 3.675389 GHz 918.840 MHz RF. Att Unit [dBuV]



FI



Date 24.May.'04 Time 10:52:48 Res.Bw 1 MHz [imp]
 Ref.Lvl 67.00 dBuV Marker 55.73 dBuV TG.Lvl off Vid.Bw 1 MHz
 CF.Stp 4.594229 GHz RF:Att 10 dB
 Unit [dBuV]

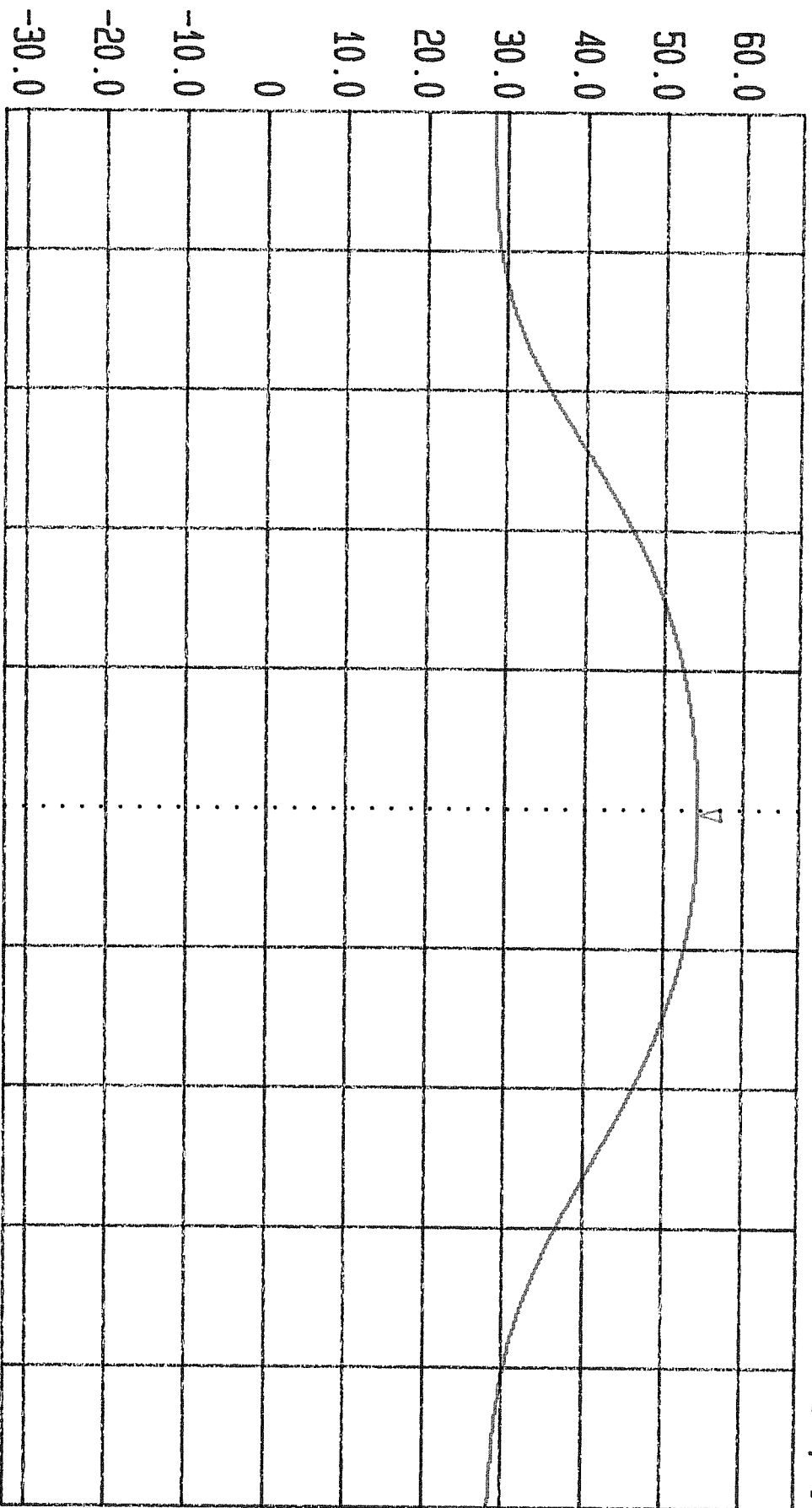


Start 4.592716666 GHz Span 3 MHz Center 4.594216666 GHz Sweep 20 ms Stop 4.595716666 GHz

FI



Date 24.May.'04 Time 10:56:19 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 67.00 dBuV Marker 54.44 dBuV TG.Lvl1 Off RF.Att 10 dB
4.594229 GHz CF.Strp 918.840 MHz Unit [dBuV]



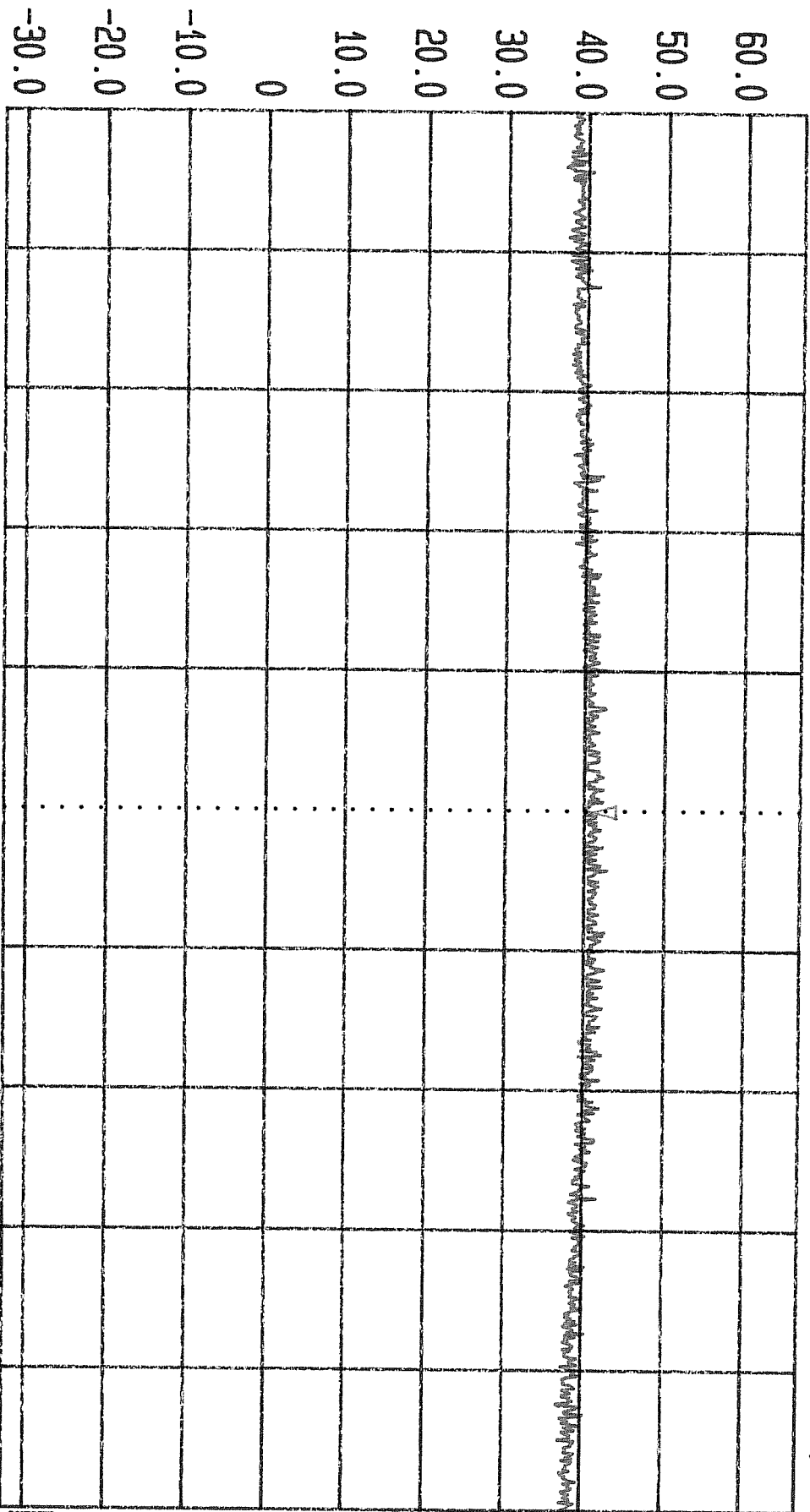
Start 4.592716666 GHz Span 3 MHz Center 4.594216666 GHz Sweep 6.6 s Stop 4.595716666 GHz

FI



Date 24.May.'04 Time 11:04:48
 Ref.Lvl 67.00 dBuV Marker 40.90 dBuV
 7.350743 GHz

Res.Bw 1 MHz [imp]
 TG.Lvl Off
 CF.Stp 918.840 MHz
 Vid.Bw 1 MHz
 RF.Att Unit
 10 dB [dBuV]



Start 7.349236666 GHz Span 3 MHz Center 7.350736666 GHz Sweep 20 ms Stop 7.352236666 GHz

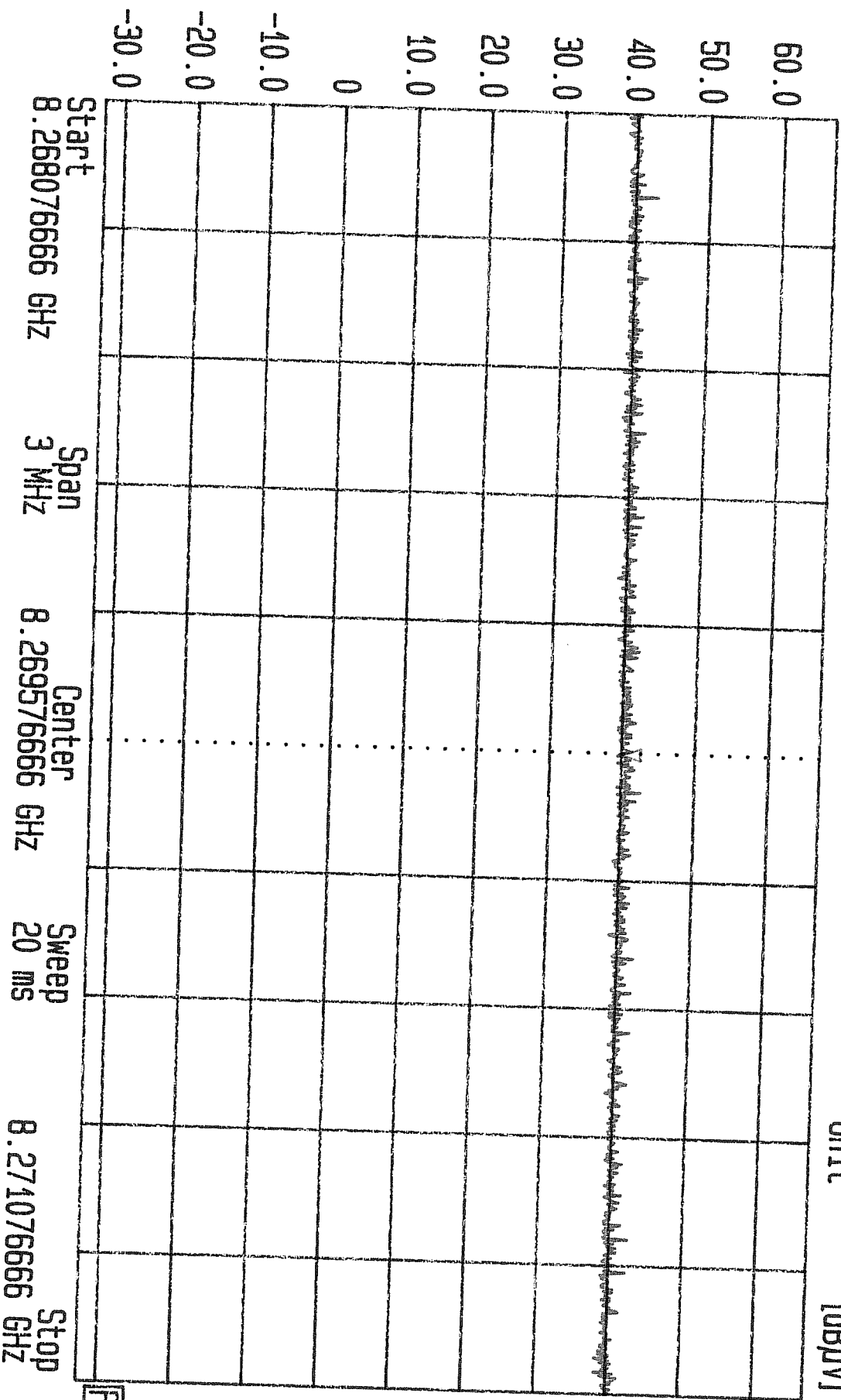
FI



Date 24. May. '04 Time 11:10:37
 Ref. Lvl 67.00 dBµV
 Marker 8.269579 GHz

Res. BW 1 MHz [imp]
 TG. Lvl Off
 CF. Stp 918.840 MHz

Vid. BW 1 MHz
 RF. Att 10 dB
 Unit [dBµV]



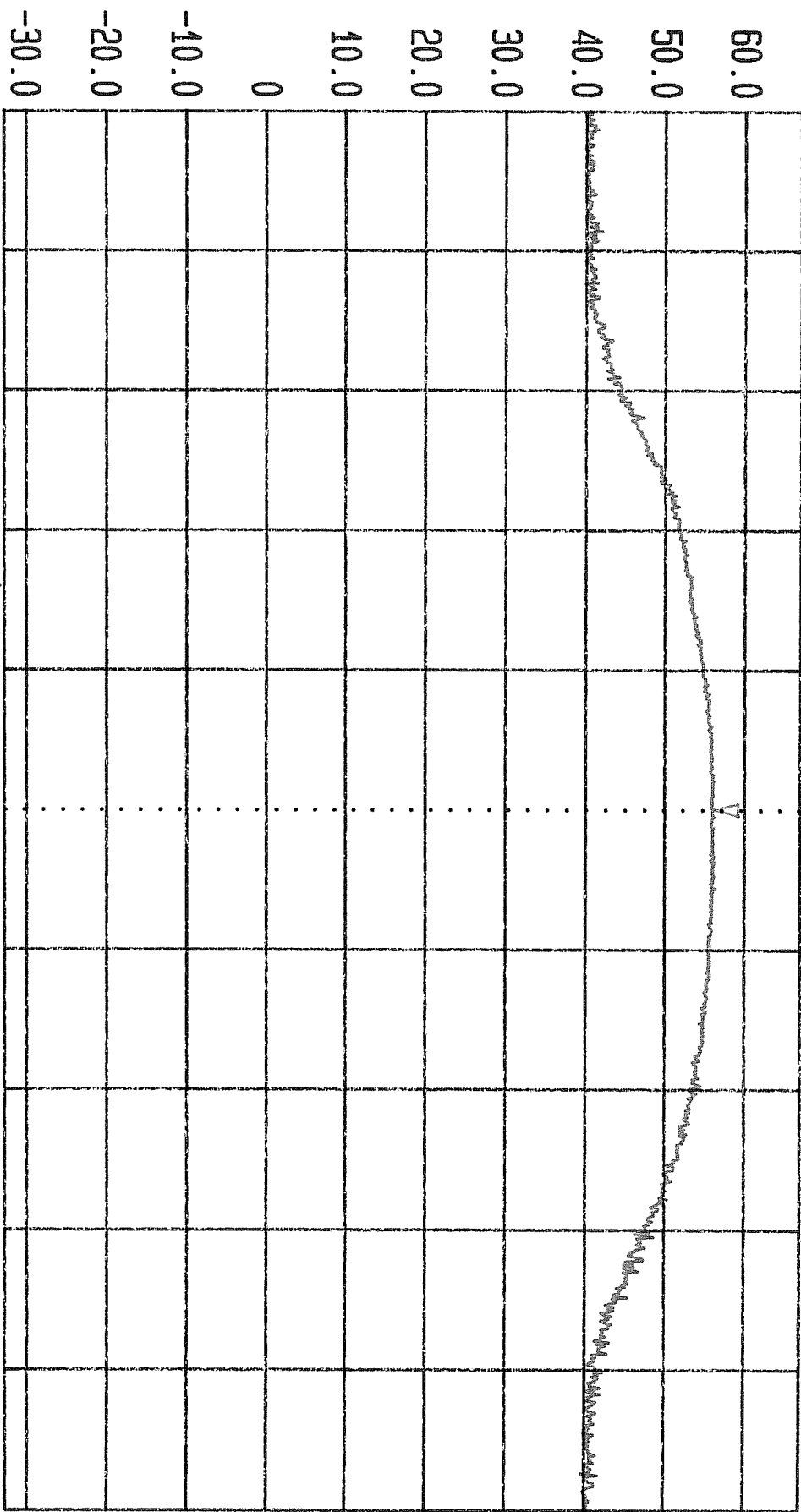
FI

Radiated Spurious Emissions

Low Channel



Date 24. May. '04 Time 10:27:37 Res. Bw 1 MHz [imp]
 Ref. Lvl 67.00 dBuV Marker 56.19 dBuV TG. Lvl off Vid. Bw 1 MHz
 CF. Strp 2.714419 GHz 905.000 MHz RF. Att 10 dB
 Unit [dBuV]



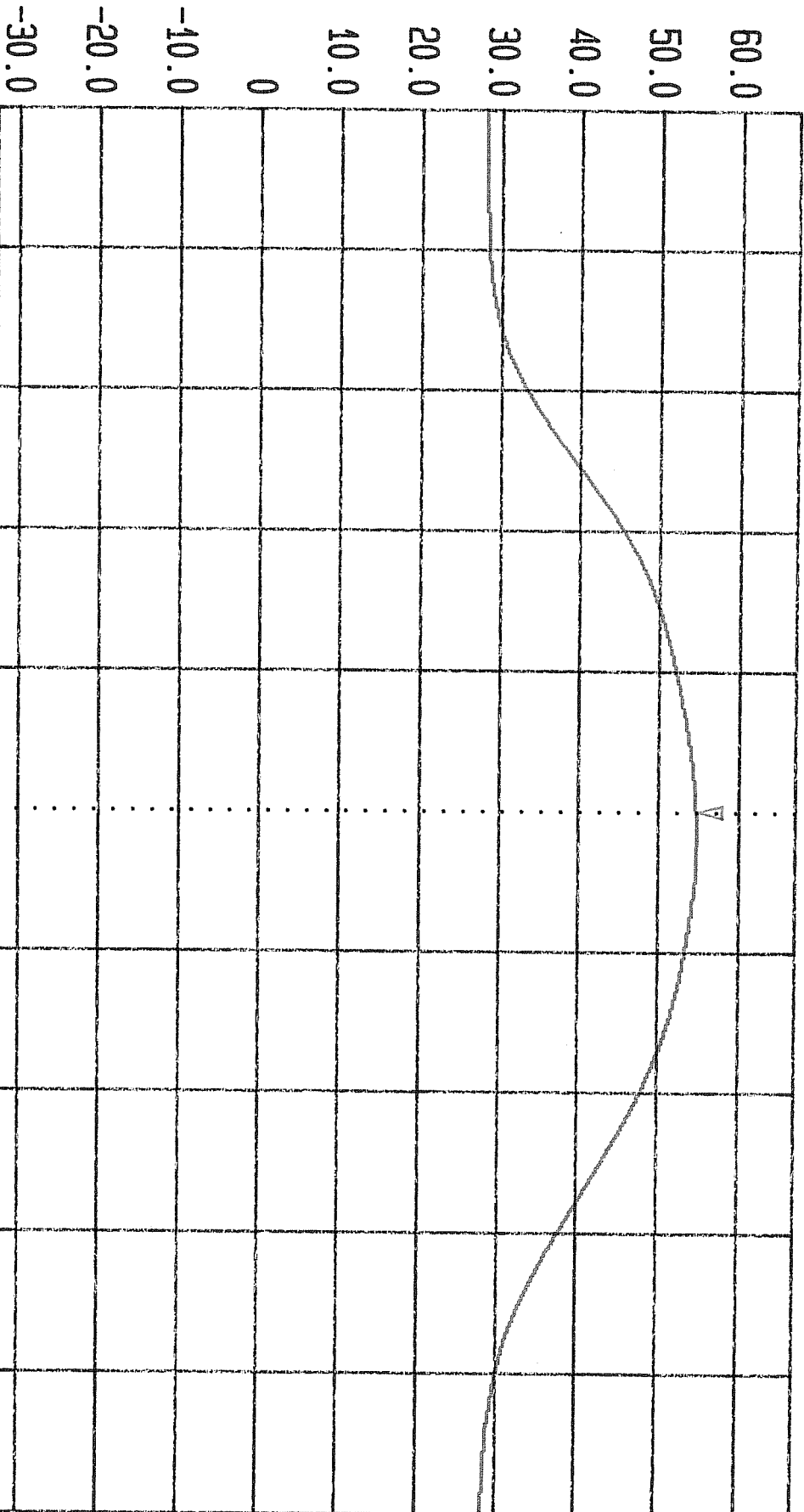
Start 2.712919999 GHz Span 3 MHz Center 2.714419999 GHz Sweep 20 ms Stop 2.715919999 GHz

FI



Date 24.May.'04 Time 10:32:01
Ref.Lvl 67.00 dBuV
Marker 2.714419 GHz

Res.Bw 1 MHz [imp]
TG.Lvl 16
CF.Strp Off
Vid.Bw 10 Hz
RF:Att Unit
10 dB [dBuV]



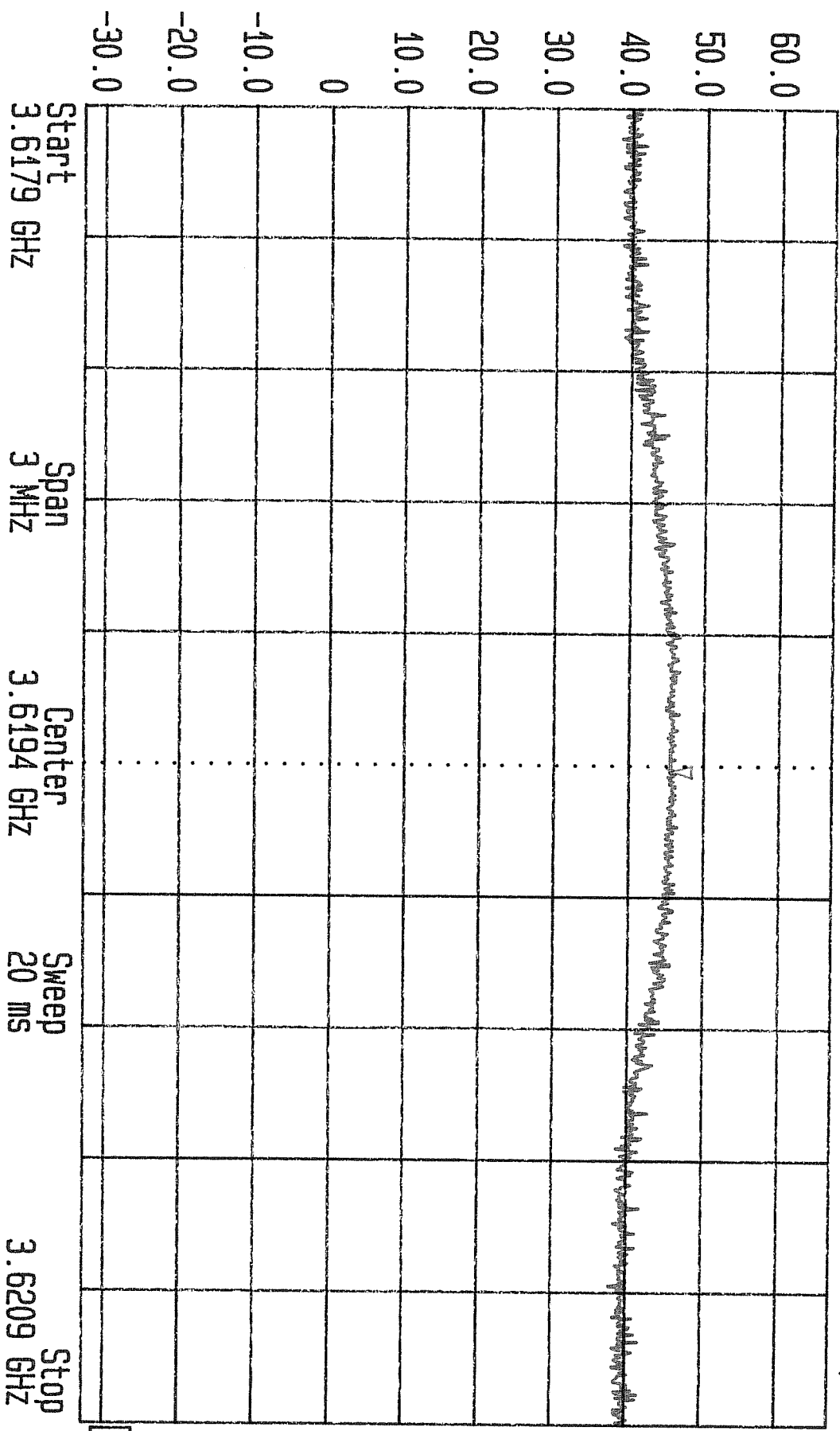
Start 2.712919999 GHz Span 3 MHz Center 2.714419999 GHz Sweep 6.6 s Stop 2.715919999 GHz

FI



Date 24. May. '04 Time 09:48:19
 Ref. Lvl 67.00 dBuV Marker 45.52 dBuV
 3.619416 GHz

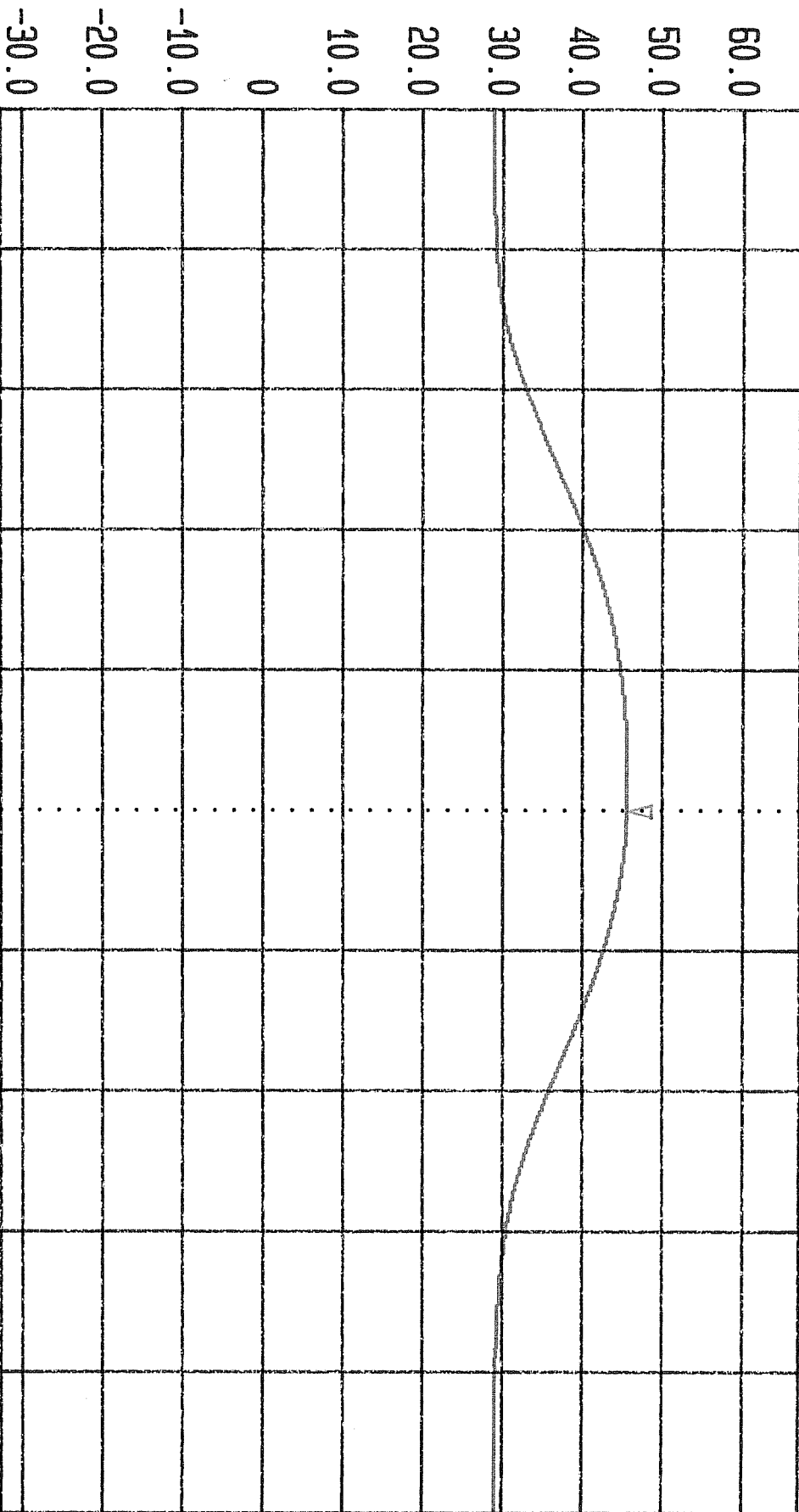
Res. Bw 1 MHz [imp]
 TG. Lvl 16. Lvl Off
 CF. Strp 905.000 MHz
 Vid. Bw 1 MHz
 RF: Att Unit 10 dB [dBuV]



FI



Date 24. May. '04 Time 10:20:44 Res. Bw 1 MHz [imp] Vid. Bw 10 Hz
 Ref. Lvl 67.00 dB μ V Marker 45.67 dB μ V CF. Strp off RF: Att 10 dB
 4.524273 GHz 905.000 MHz Unit [dB μ V]



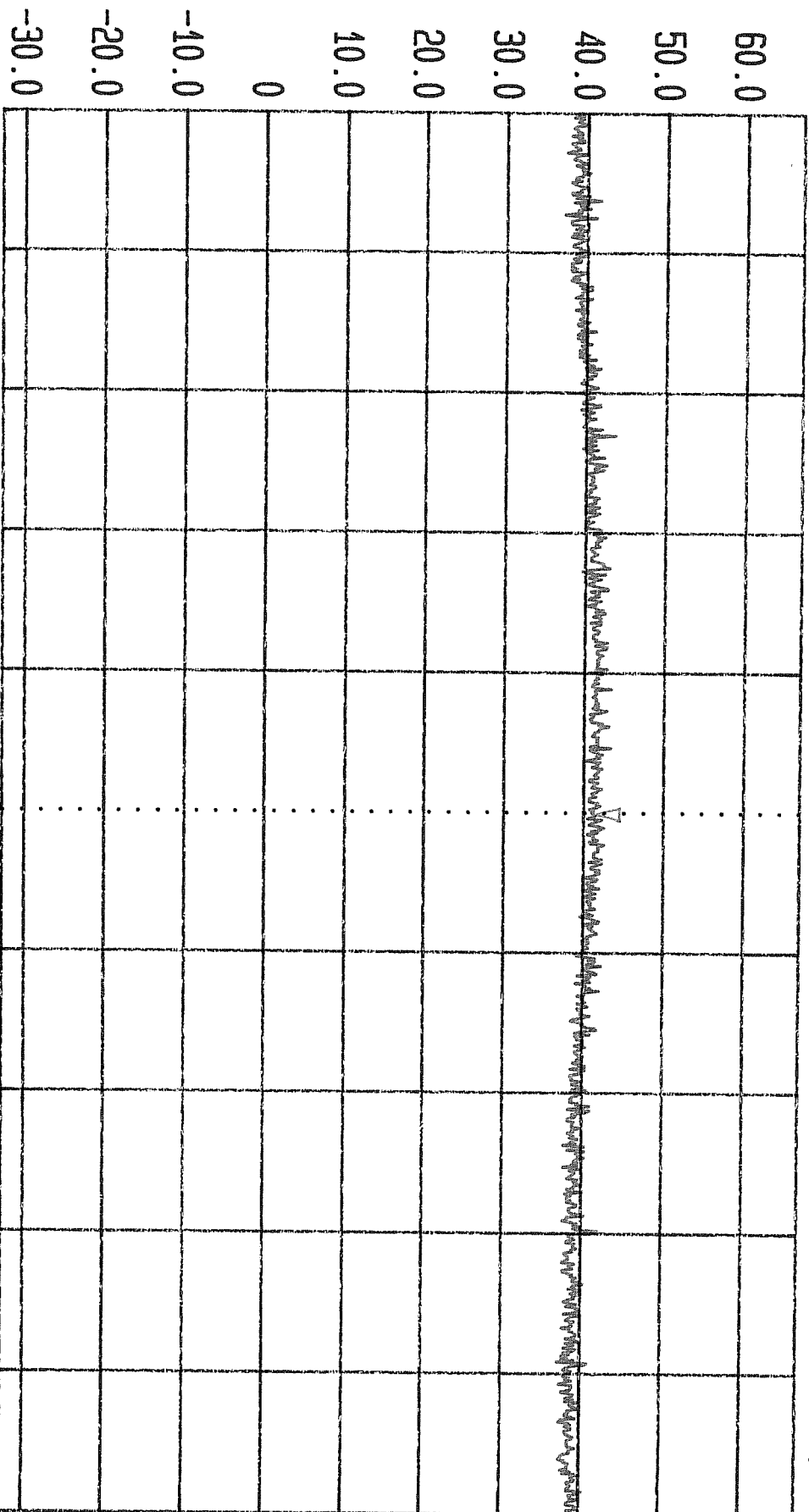
Start 4.522766666 GHz Span 3 MHz Center 4.524266666 GHz Sweep 6.6 s Stop 4.525766666 GHz

FI



Date 24. May. '04 Time 10:08:28
 Ref. Lvl 67.00 dBµV Marker 41.56 dBµV
 5.429273 GHz

Res. Bw 1 MHz [imp]
 TG. Lvl 16
 CF. Stp Off
 905.000 MHz
 Vid. Bw 1 MHz
 RF: Att Unit
 10 dB [dBµV]



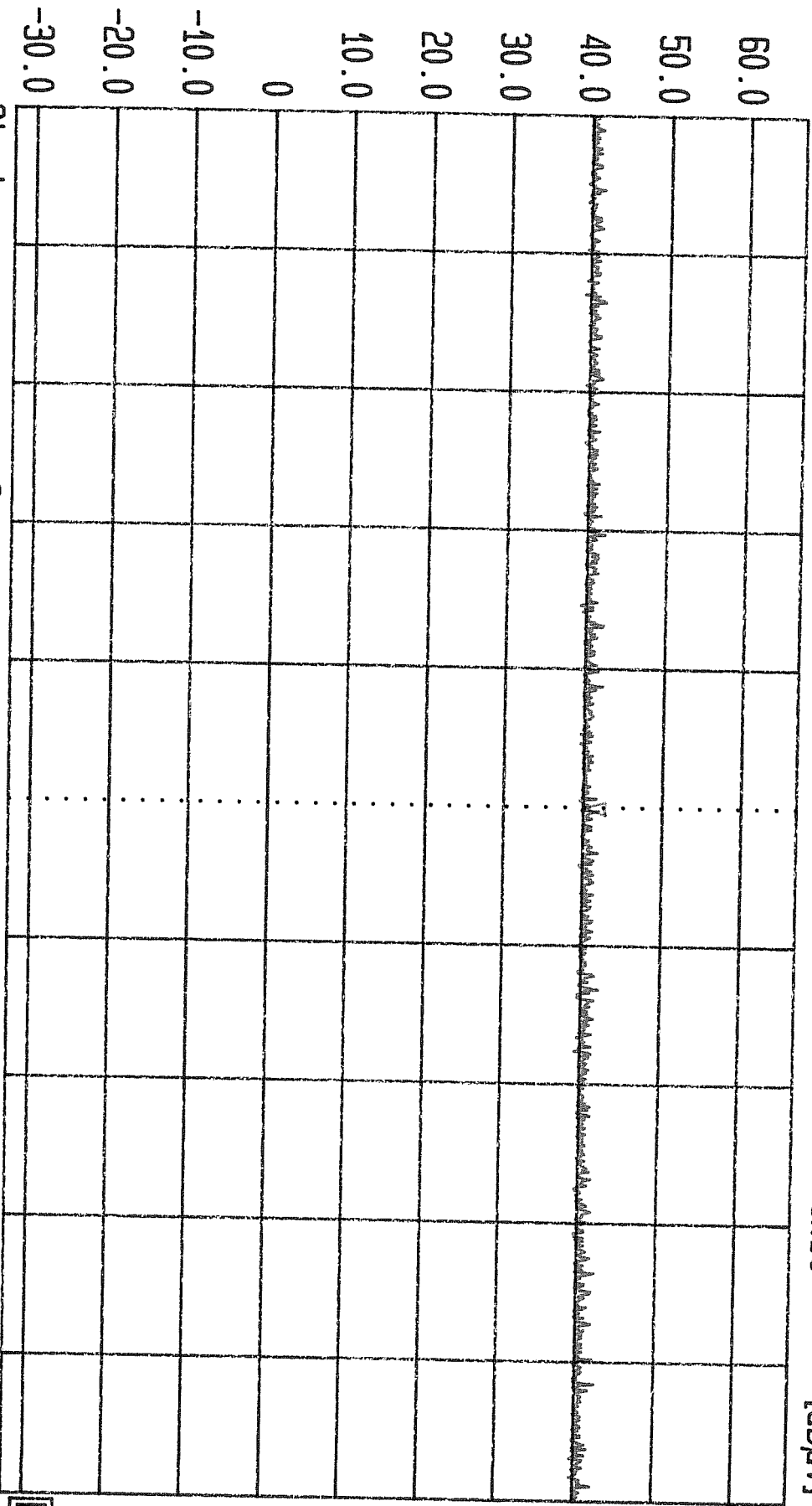
FI



Date 24.May.'04 Time 10:13:29
 Ref.Lvl 67.00 dBuV
 Marker 40.01 dBuV
 8.144273 GHz

Res.Bw 1 MHz [imp]
 TG.Lvl Off
 CF.Stp 905.000 MHz

Vid.Bw 1 MHz
 RF.Att Unit
 10 dB [dBuV]



Start 8.142766666 GHz Span 3 MHz Center 8.144266666 GHz Sweep 20 ms Stop 8.145766666 GHz

FI