

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

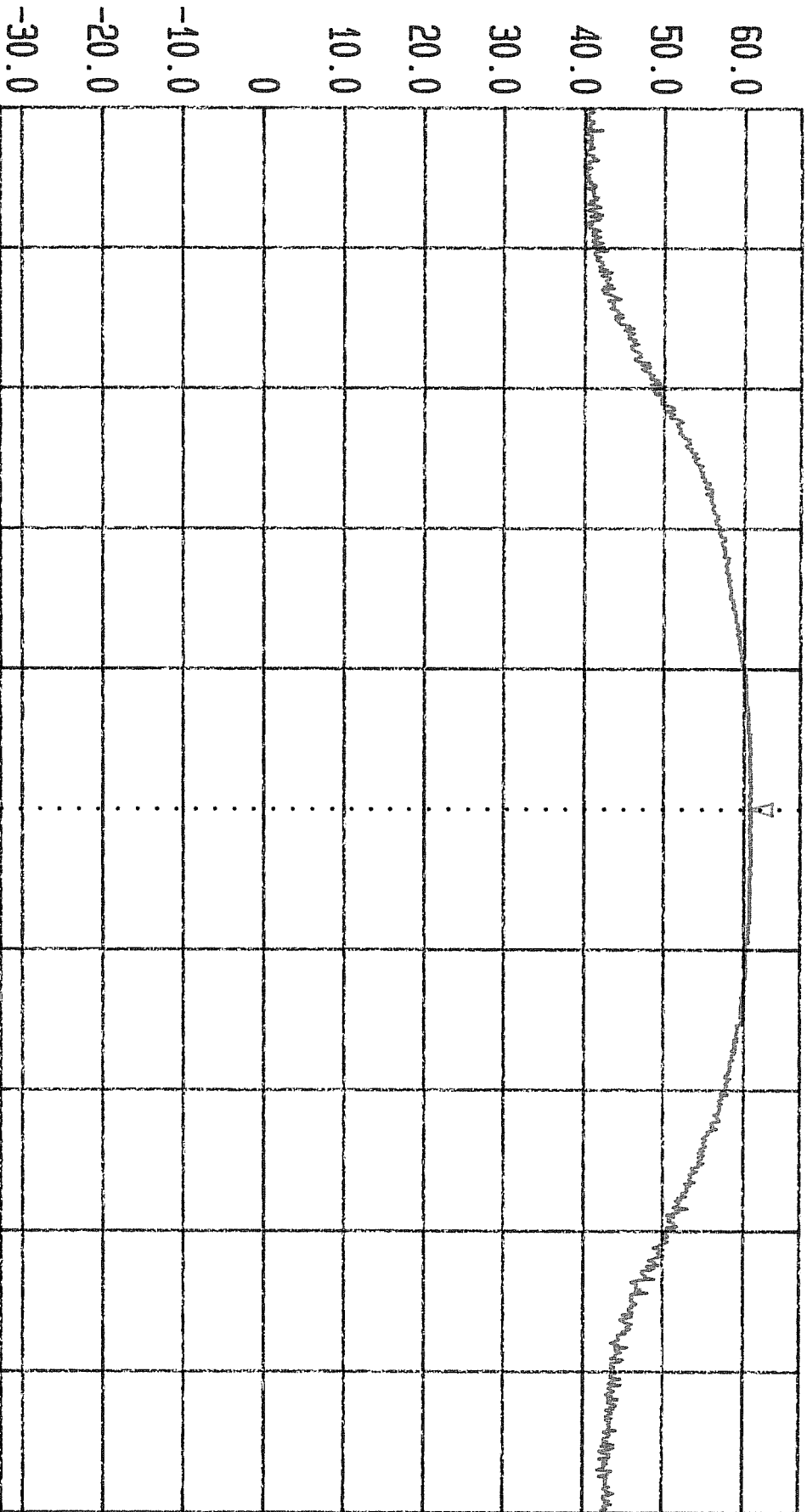
Radiated Spurious Emissions

Radiated Spurious Emissions

High Channel



Date 24.May.'04 Time 12:31:38 Res.Bw 1 MHz [imp]
Ref.Lvl 60.83 dB μ V Marker 2.774480 GHz CF.Stp 16.Lvl off Vid.Bw 1 MHz
67.00 dB μ V 924.870 MHz RF.Att 10 dB
Unit [dB μ V]

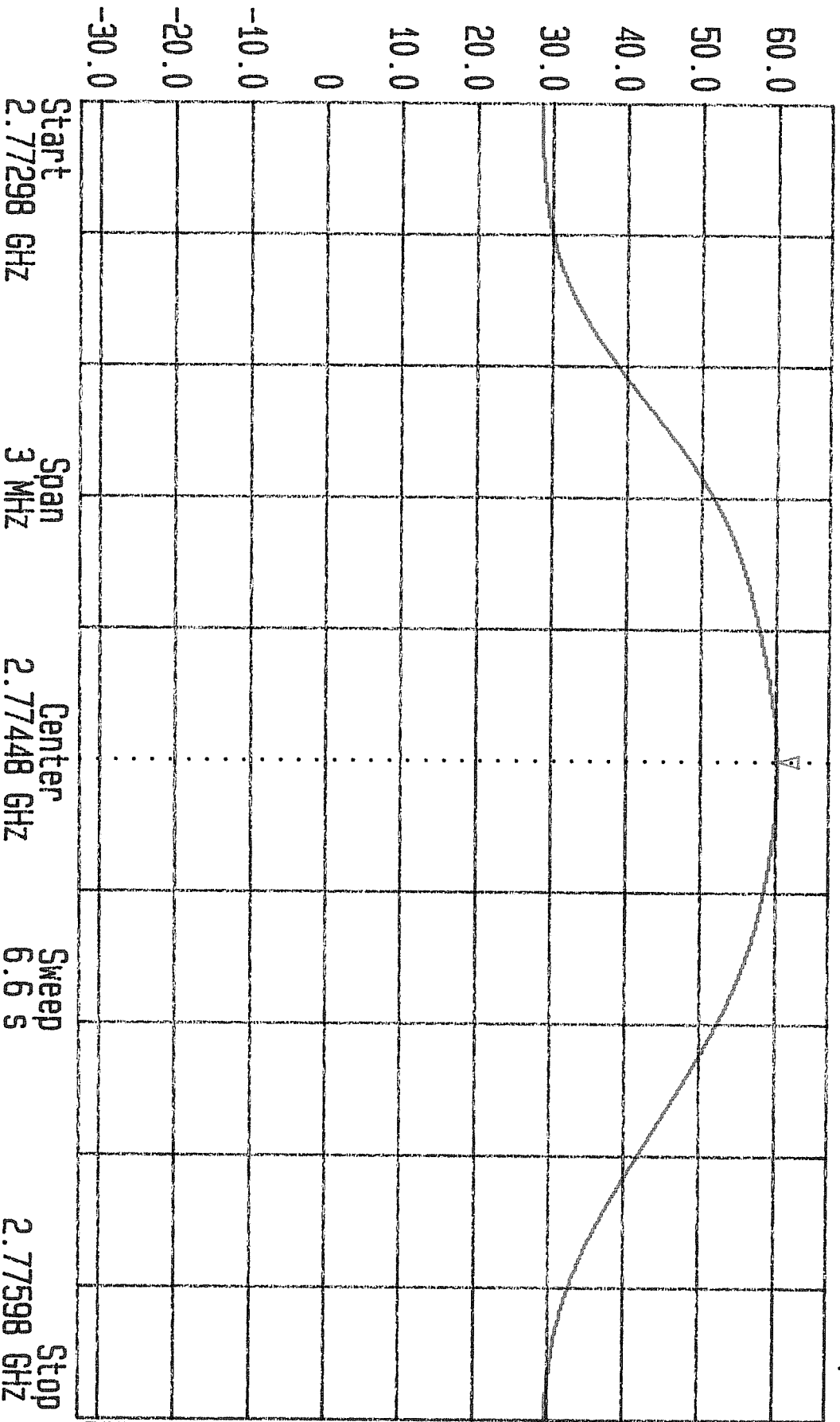


Start 2.77298 GHz Span 3 MHz Center 2.77448 GHz Sweep 20 ms Stop 2.77598 GHz

FI



Date 24.May.'04 Time 12:34:55 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 67.00 dBuV Marker 60.22 dBuV CF.Stp 16.Lvl1 off AF.Att 10 dB
Unit [dBuV]



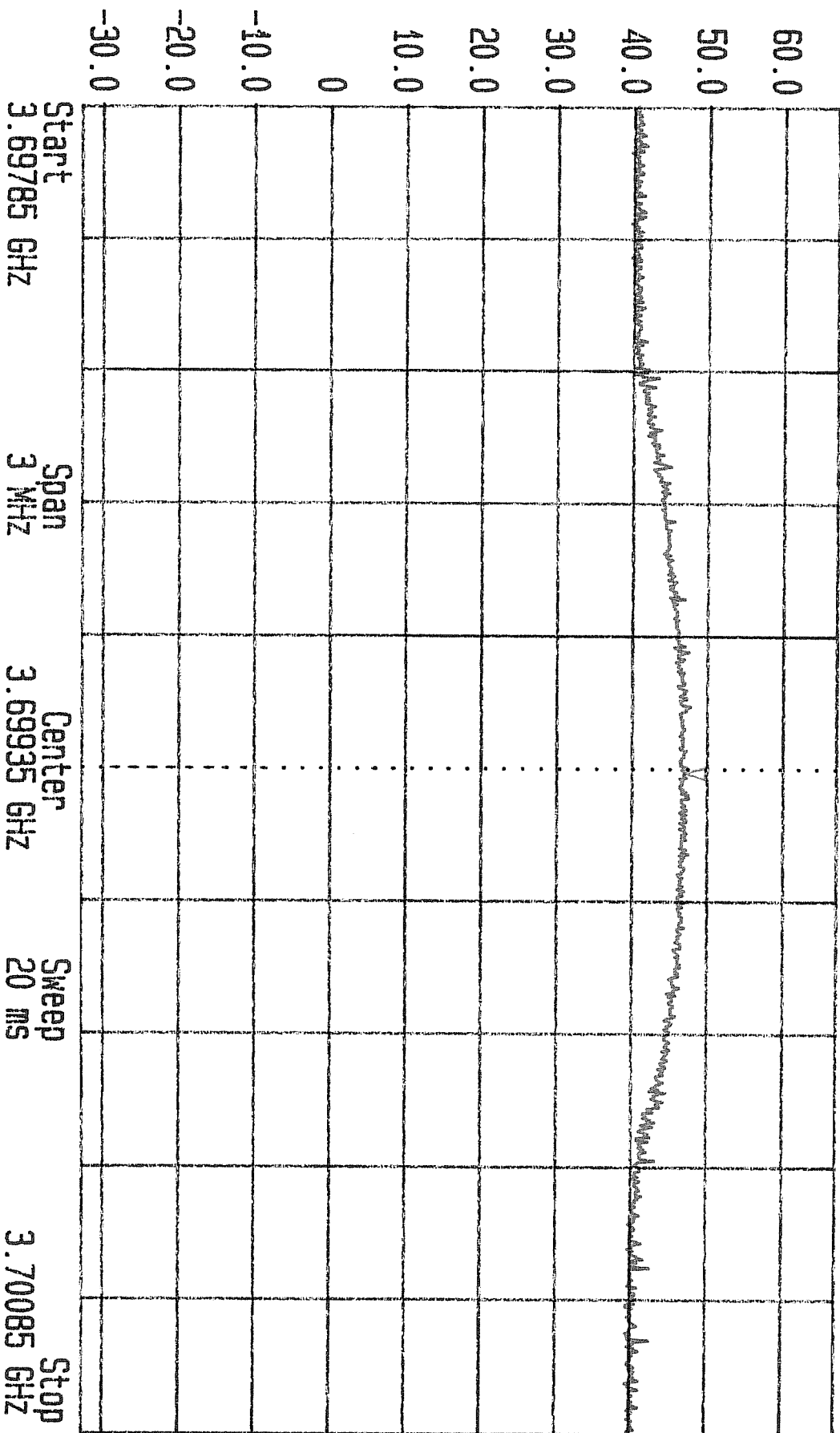
FI



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

Res.Bw 1 MHz [imp]
16.Lvl Off
CF.Stp 924.870 MHz

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

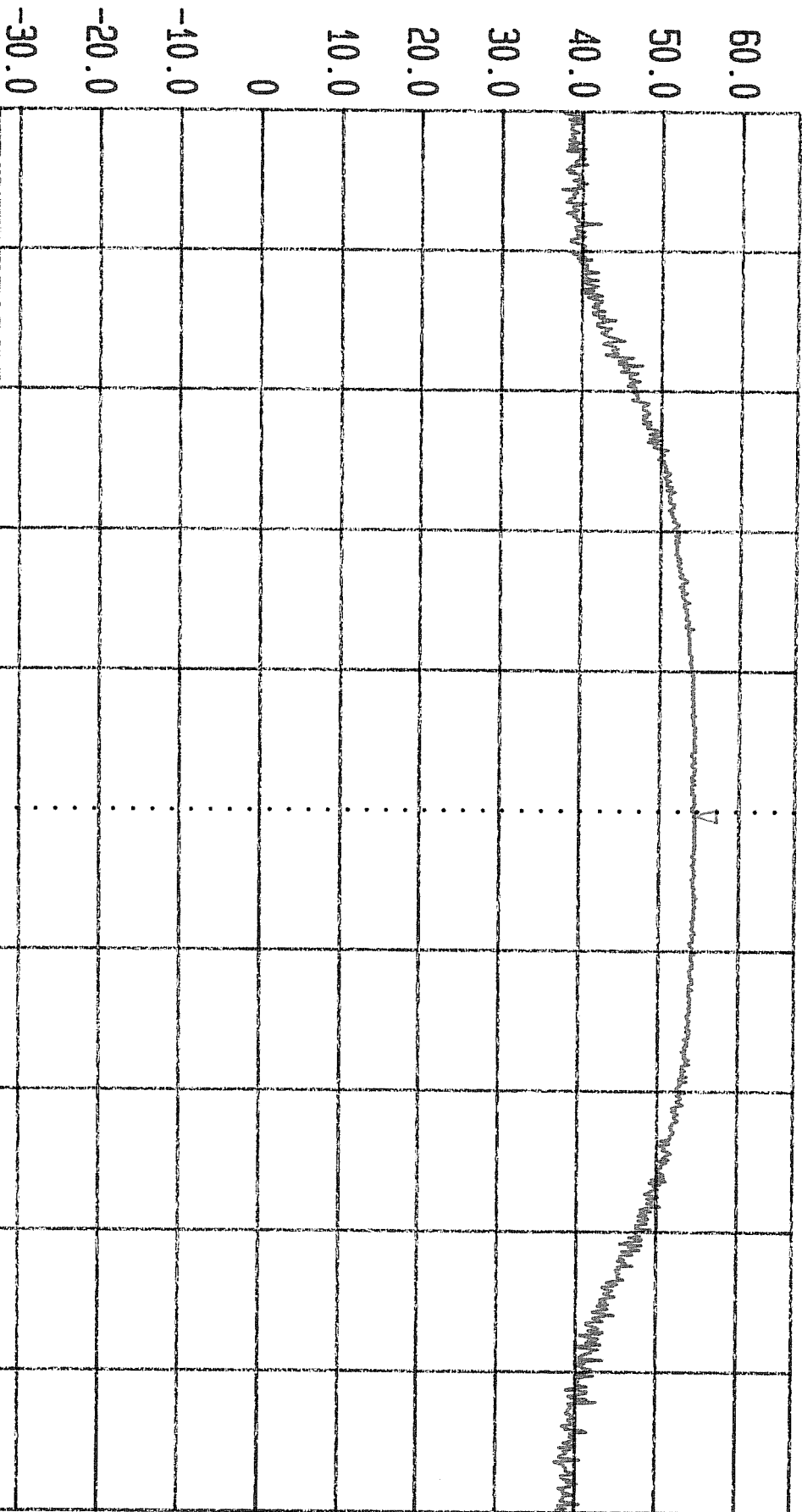


FI



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 16.Lvl
CF.Stp Off
Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBuV]

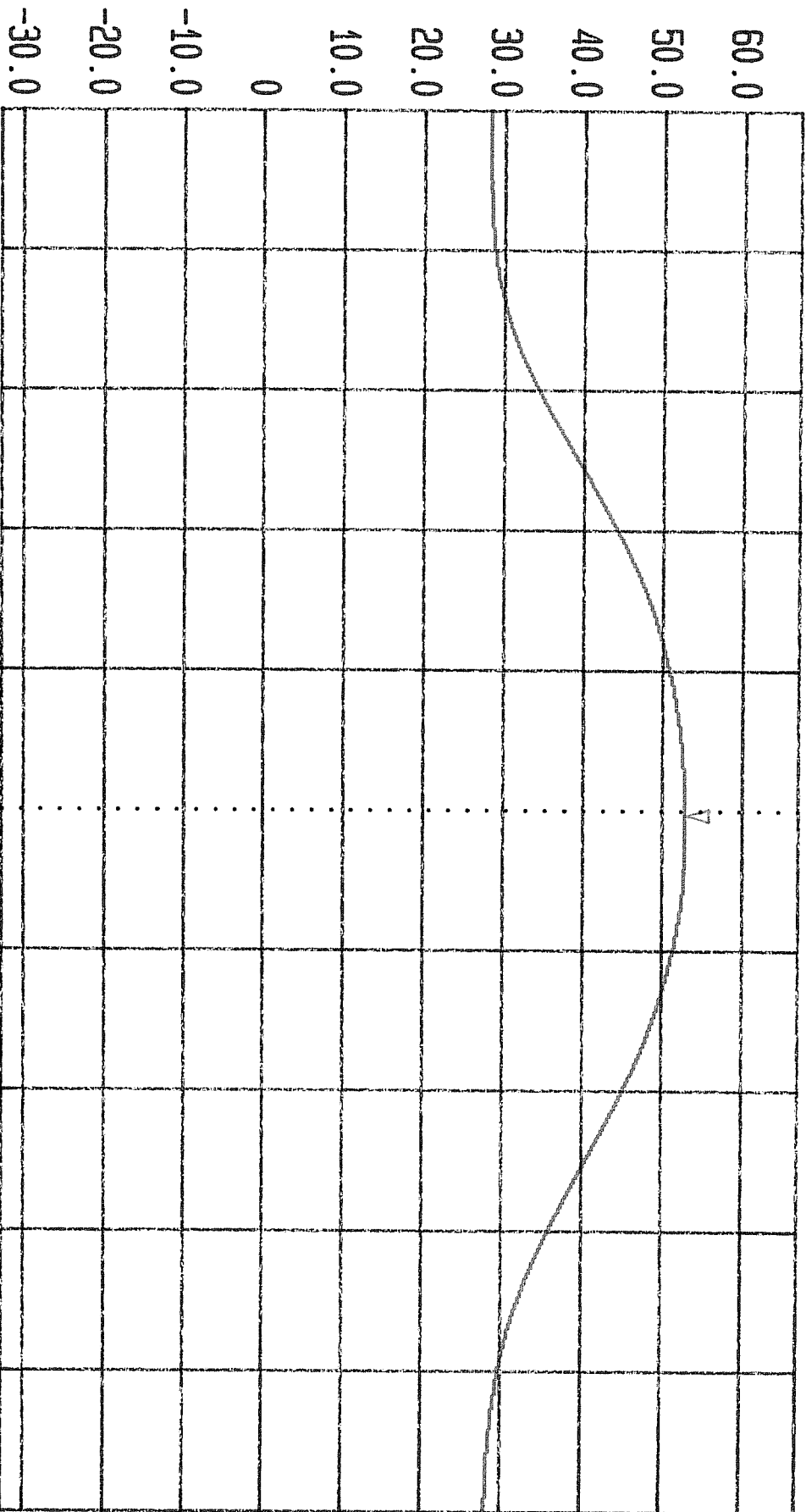


Start 4.62272 GHz Span 3 MHz Center 4.62422 GHz Sweep 20 ms Stop 4.62572 GHz

F1



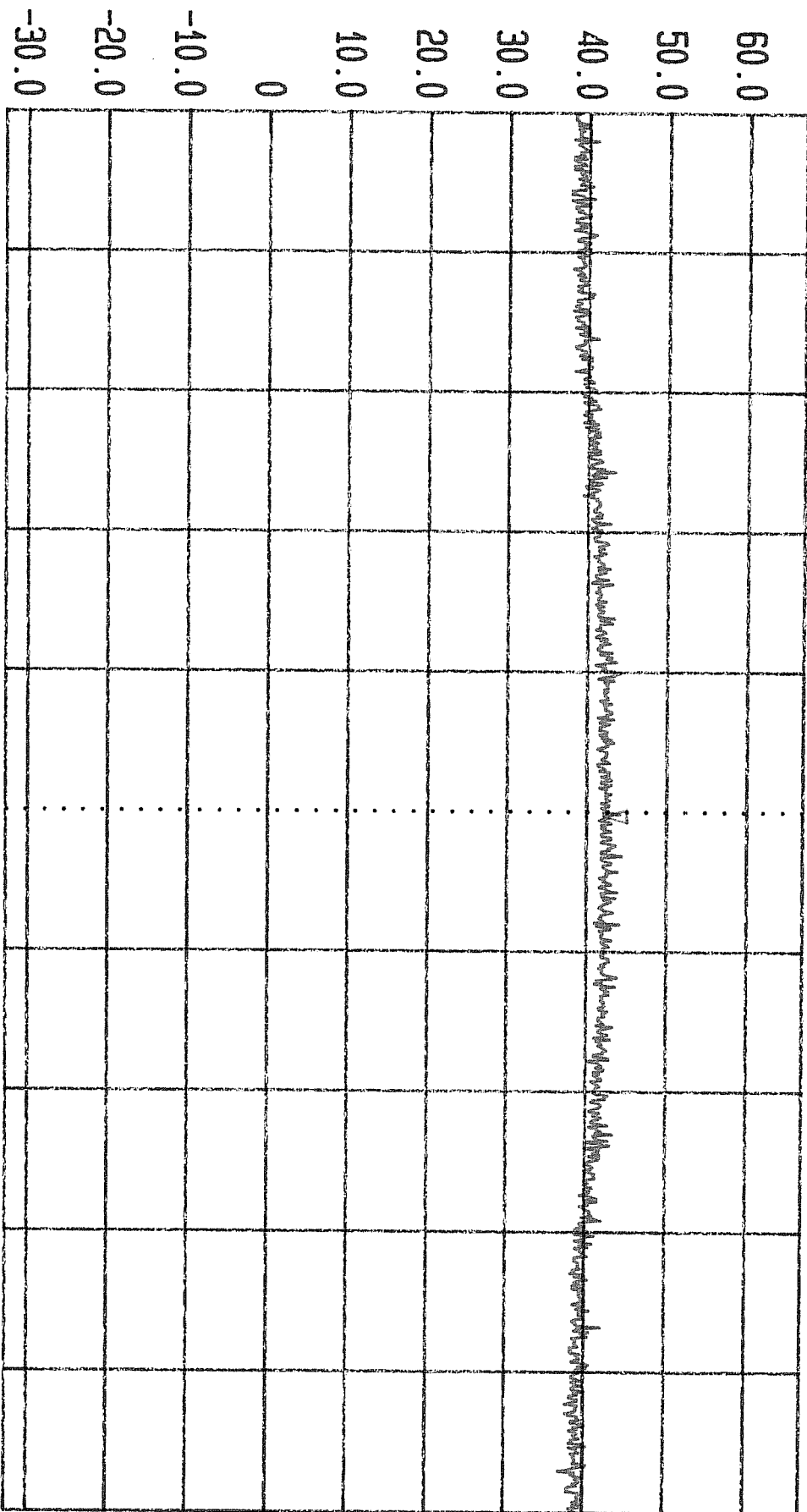
Date 24.May.'04 Time 12:47:53 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 67.00 dBuV Marker 53.09 dBuV CF.Stp 16.Lvl off RF.Att 10 dB
4.624233 GHz 924.870 MHz Unit [dBuV]



[FI]



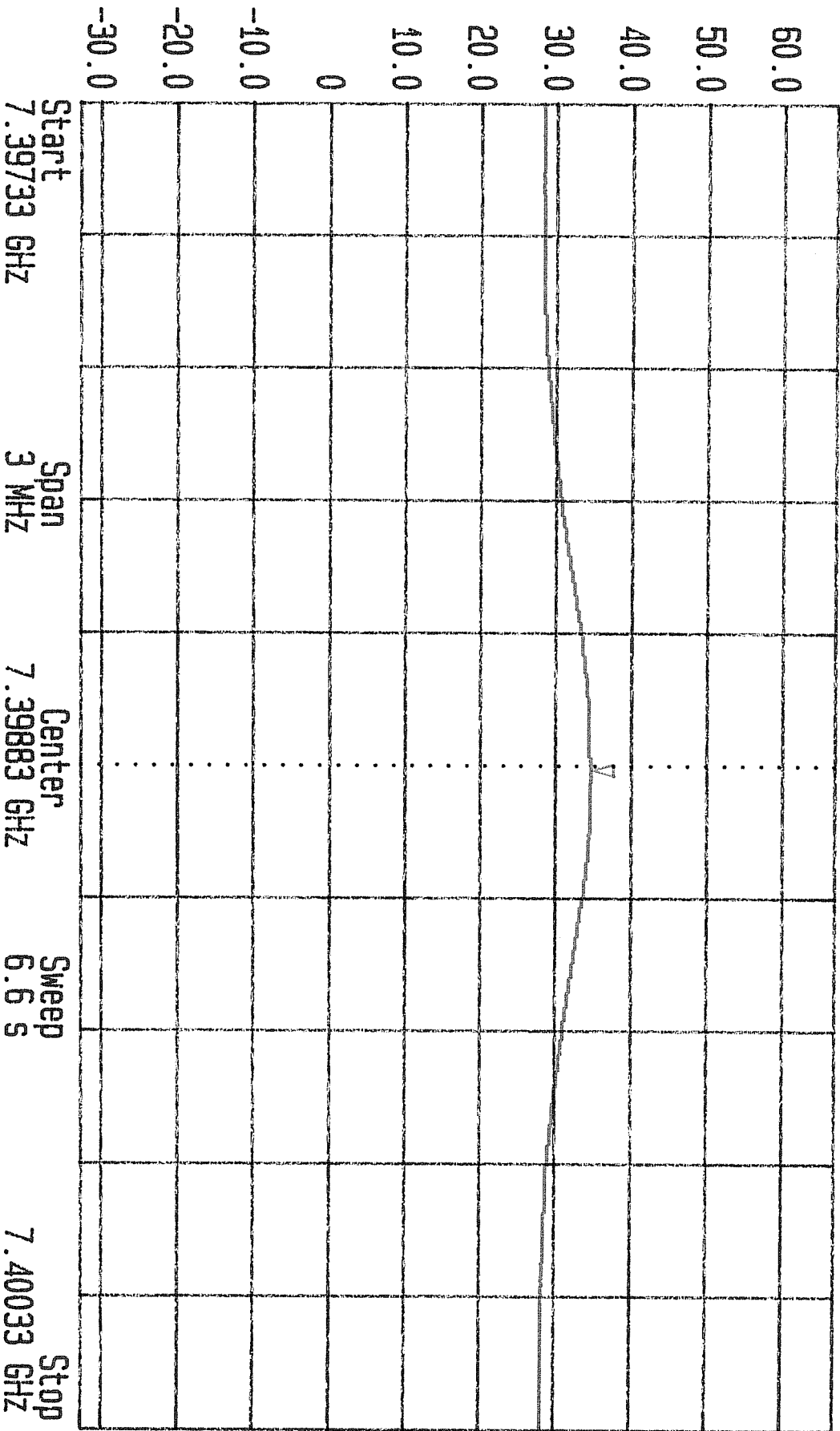
Date 24.May.'04 Time 12:55:35 Res.BW 1 MHz [imp] Vid.BW 1 MHz
Ref.Lvl 67.00 dBuV Marker 42.07 dBuV CF.Stp 16.Lvl off AF.Att 10 dB
Unit [dBuV]



FI



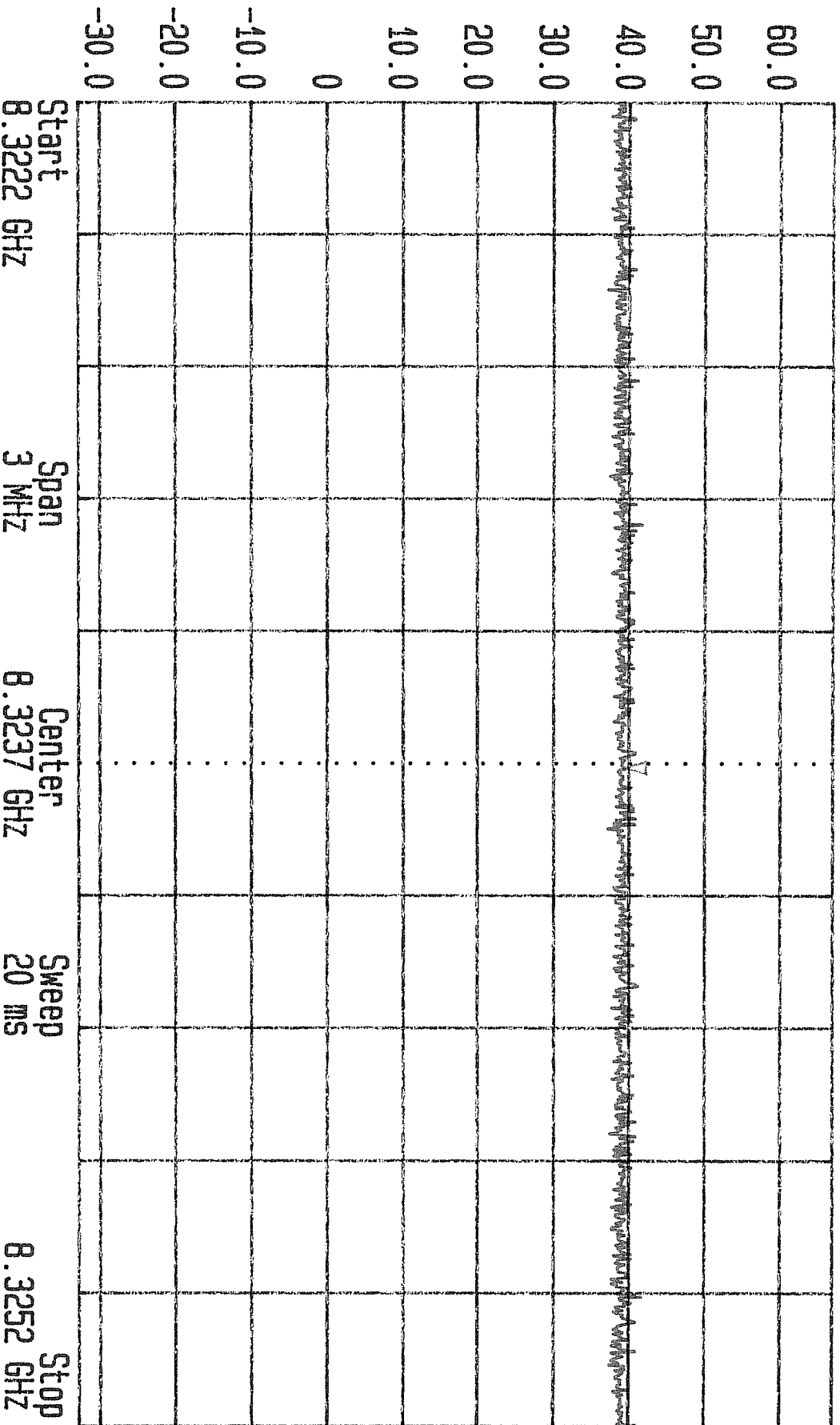
Date 24.May.'04 Time 12:59:21 Res.Bw 1 MHz [imp] Vid,Bw 10 Hz
Ref.Lvl 34.81 dBuV Marker 7.398840 GHz CF.Stp 16.Lvl off AF.Att 10 dB
67.00 dBuV Unit [dBuV]



FI



Date 24.May.'04 Time 13:02:49 Res.BW 1 MHz [imp] Vid.BW 1 MHz
Ref.Lvl 39.28 dBuV Marker 8.323710 GHz CF.Stp 16.Lvl off RF.Att 10 dB
67.00 dBuV Unit [dBuV]



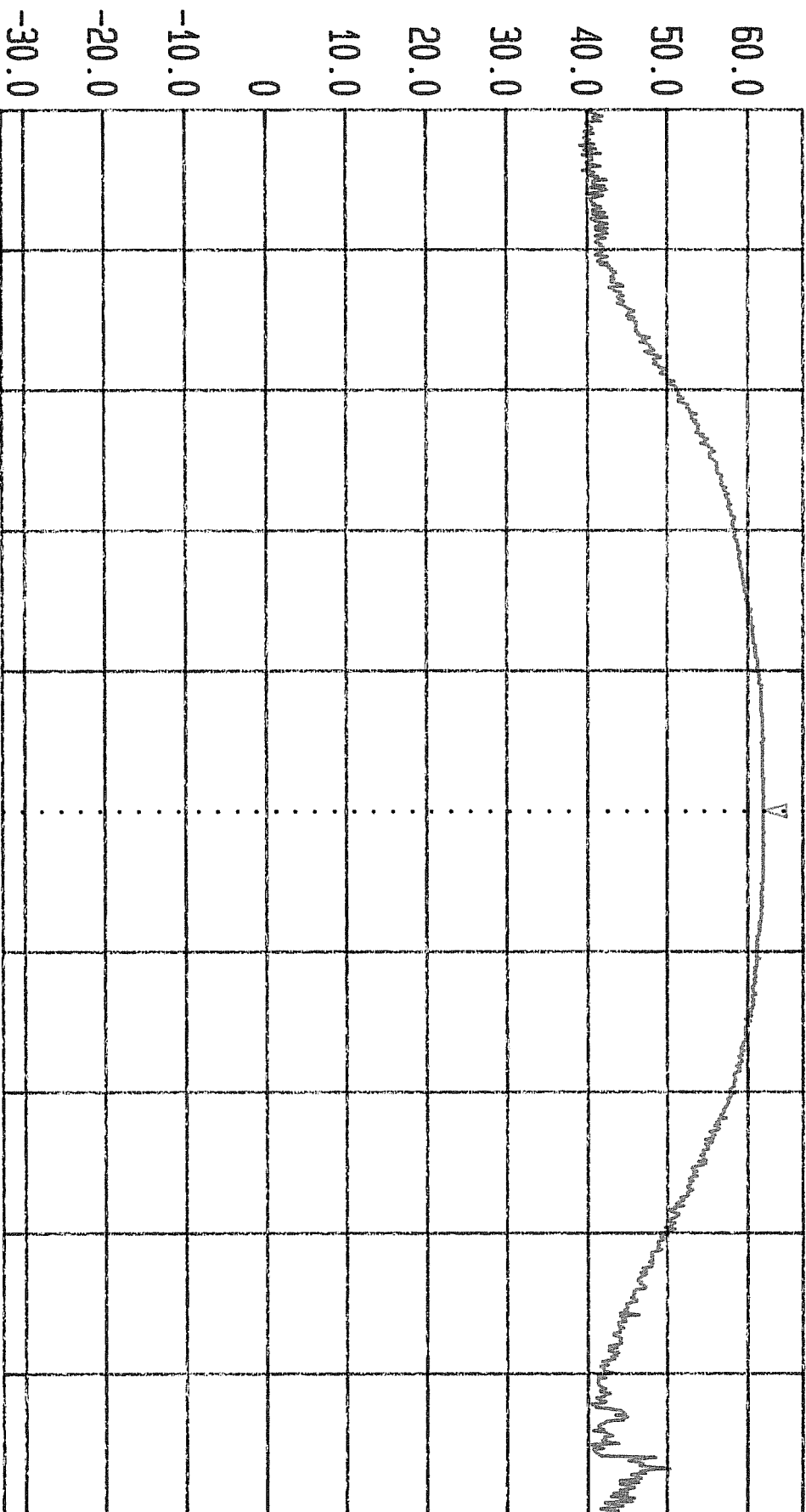
FI

Radiated Spurious Emissions

Mid Channel



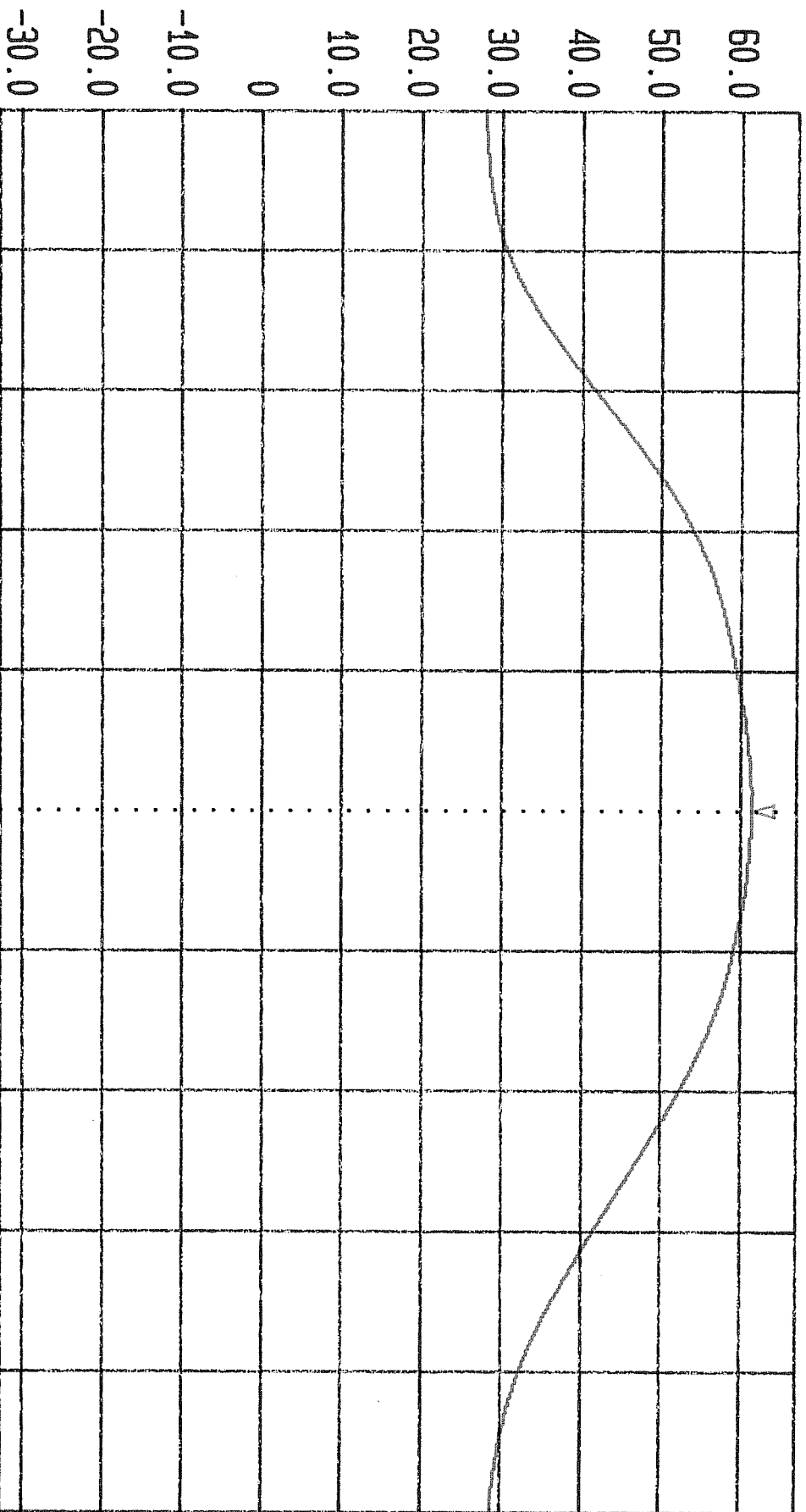
Date 24.May.'04 Time 10:38:25 Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
Ref.Lvl 67.00 dBuV Marker 61.93 dBuV CF.Stp 16.Lvl1 off RF.Att 10 dB
Unit [dBuV]



FI



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



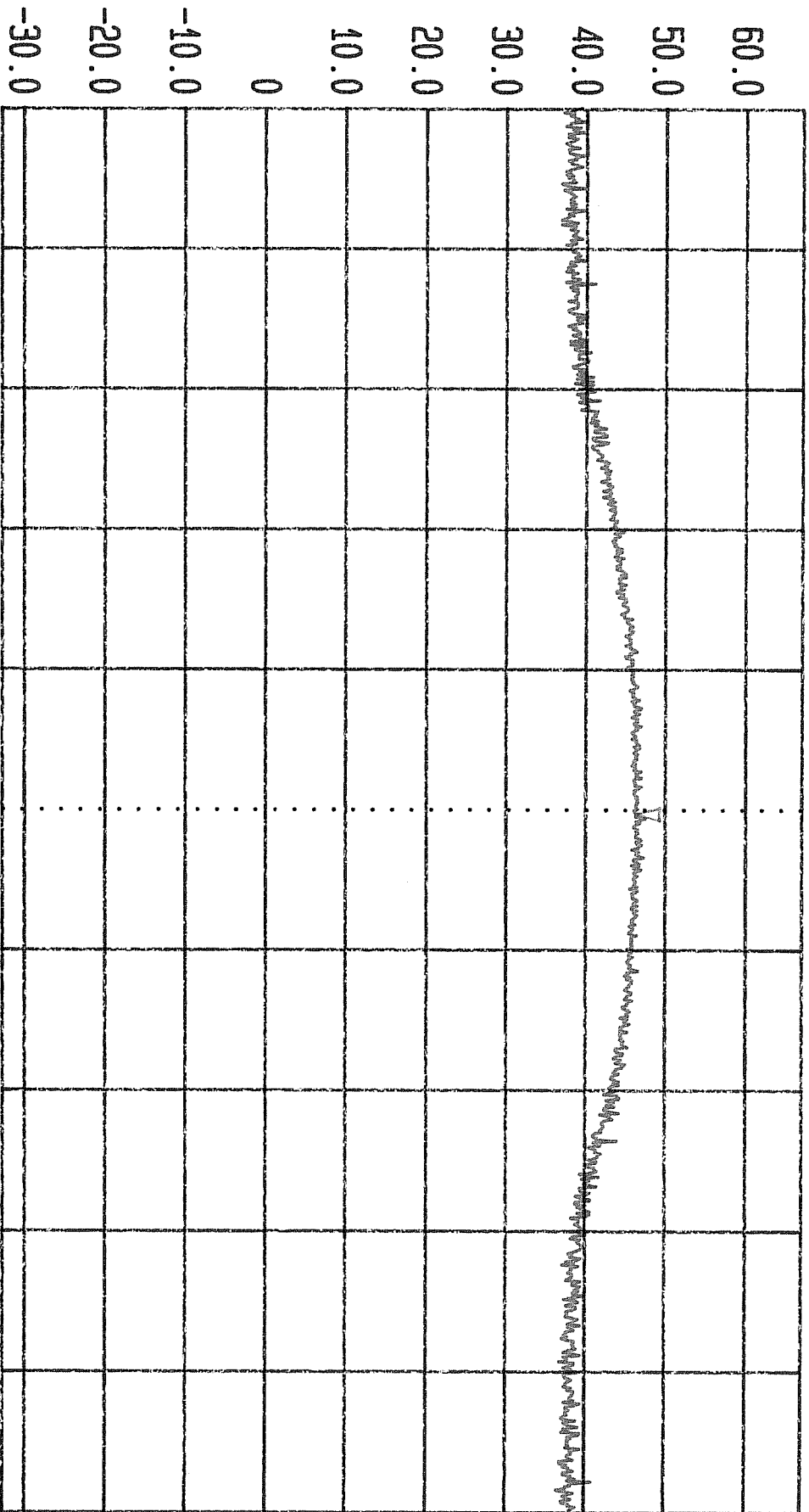
Start 2.755009999 GHz Span 3 MHz Center 2.756509999 GHz Sweep 6.6 s Stop 2.758009999 GHz

FI



Date 24.May.'04 Time 11:18:27
Ref.Lvl 67.00 dBuV
Marker 46.26 dBuV
3.675389 GHz

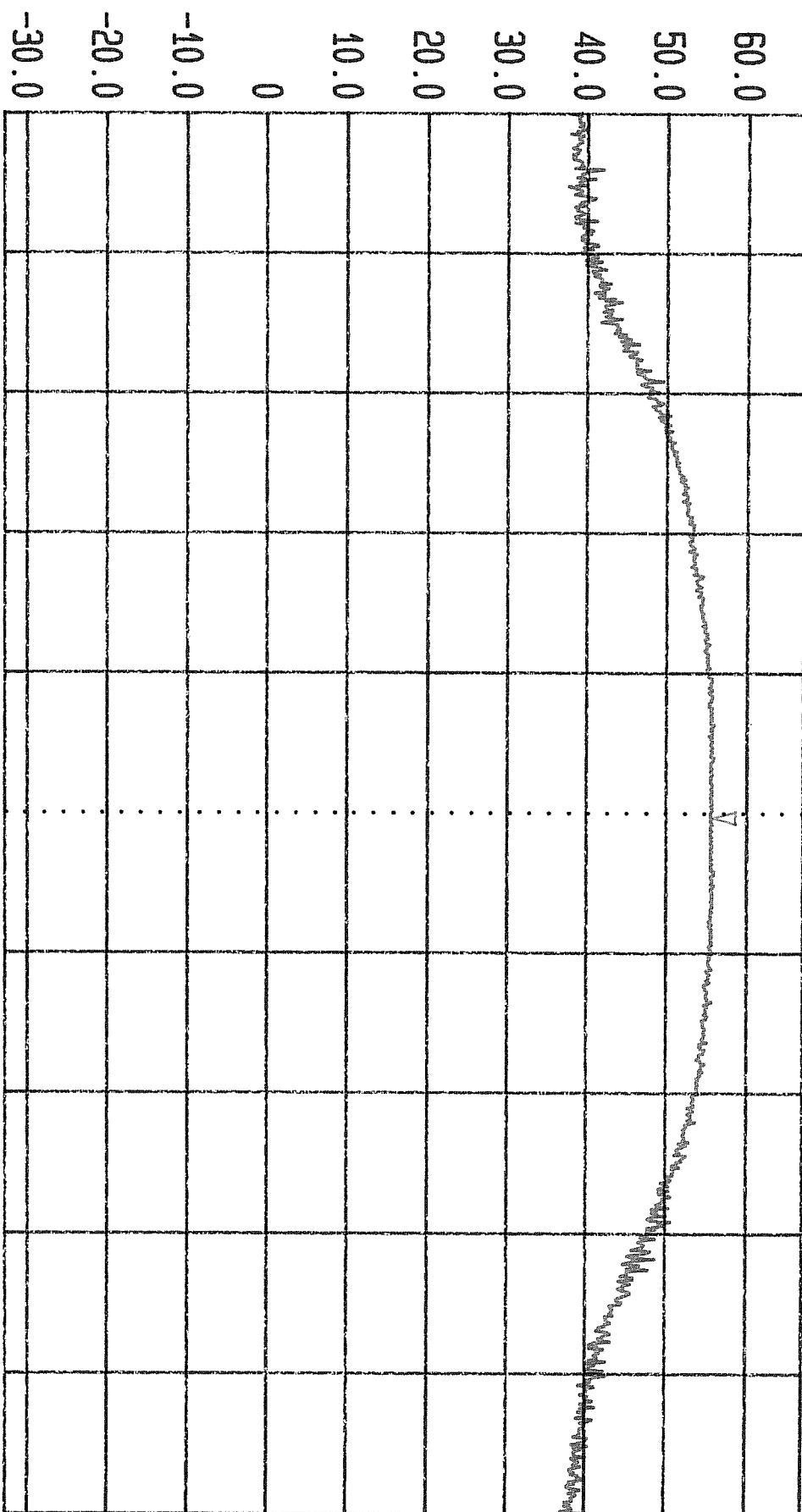
Res.Bw 1 MHz [imp]
T6.Lvl
CF.Stp
918.840 MHz
Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBuV]



FI



Date 24.May.'04 Time 10:52:48 Res.Bw 1 MHz [imp]
Ref.Lvl 67.00 dBμV Marker 55.73 dBμV TG.Lvl 1 Vid.Bw 1 MHz
CF.Stp 4.594229 GHz 918.840 MHz off RF:Att 10 dB
Unit [dBμV]



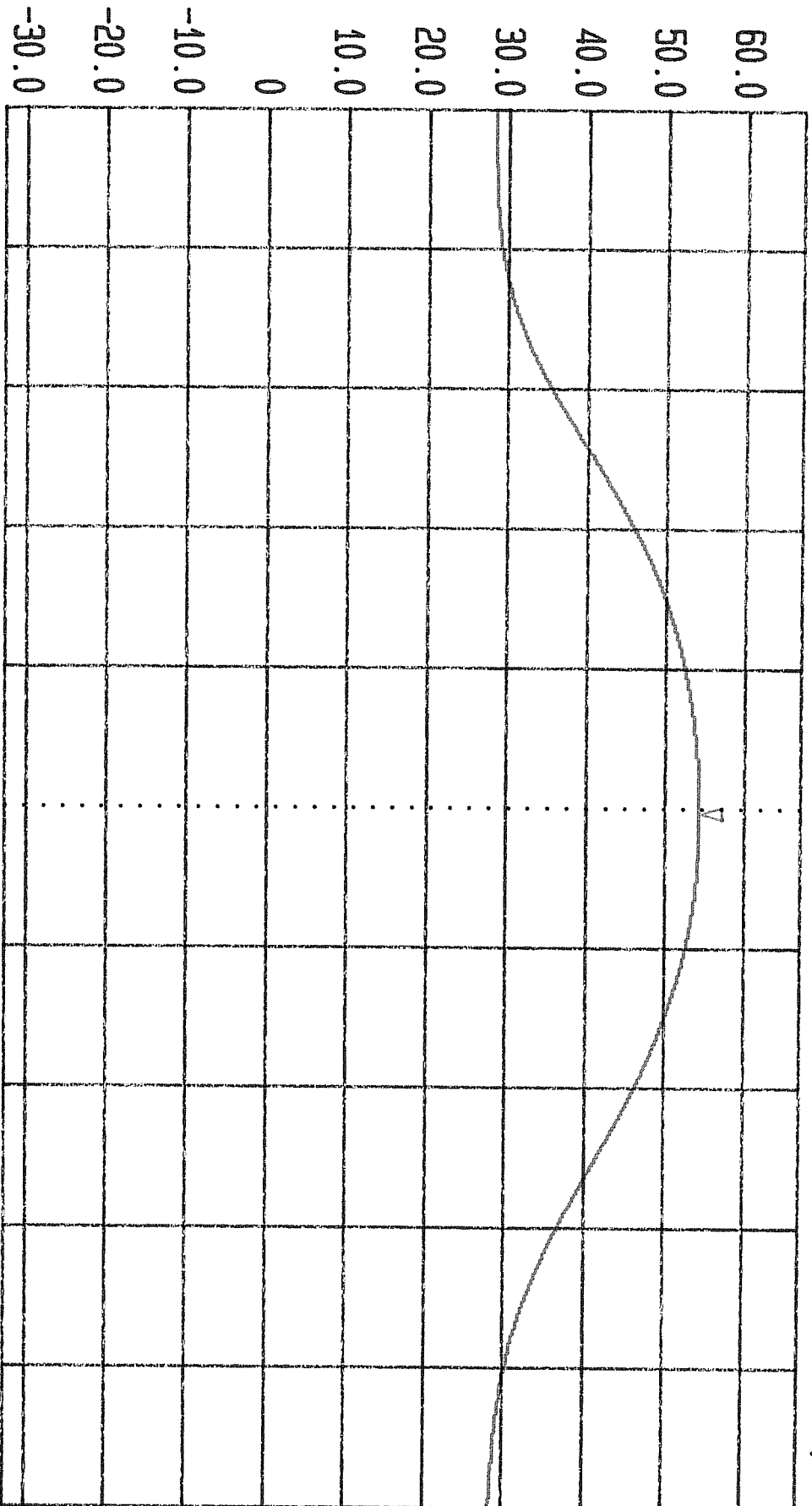
FI



Date 24.May.'04 Time 10:56:19
Ref.Lvl 67.00 dBμV
Marker 54.44 dBμV
4.594229 GHz

Res.Bw 1 MHz [imp]
TG.Lvl off
CF.Str 918.840 MHz

Vid.Bw 10 Hz
RF.Att 10 dB
Unit [dBμV]



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

FI



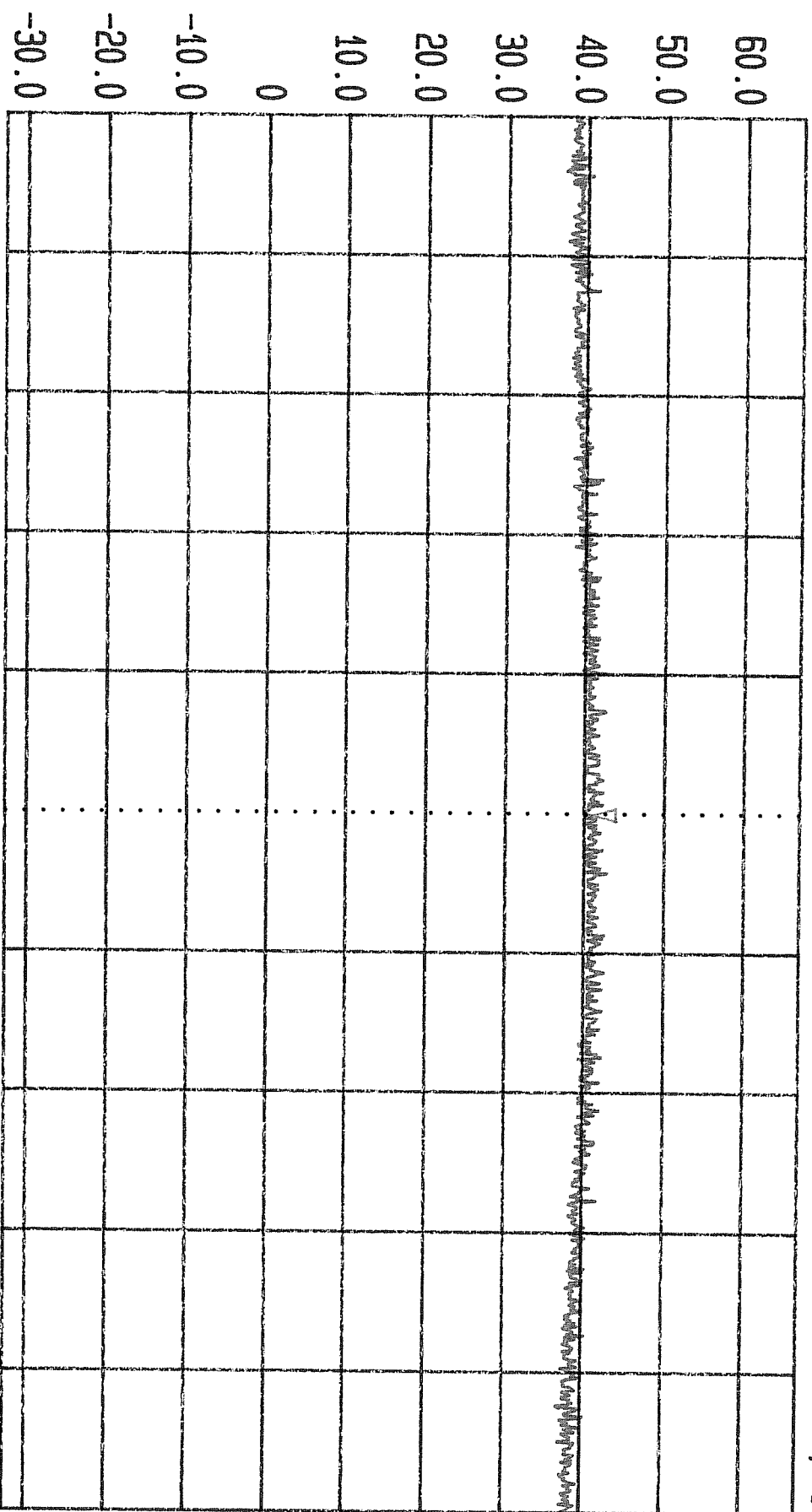
Date 24.May.'04 Time 11:04:48
Ref.Lvl 67.00 dBuV
Marker 40.90 dBuV
7.350743 GHz

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



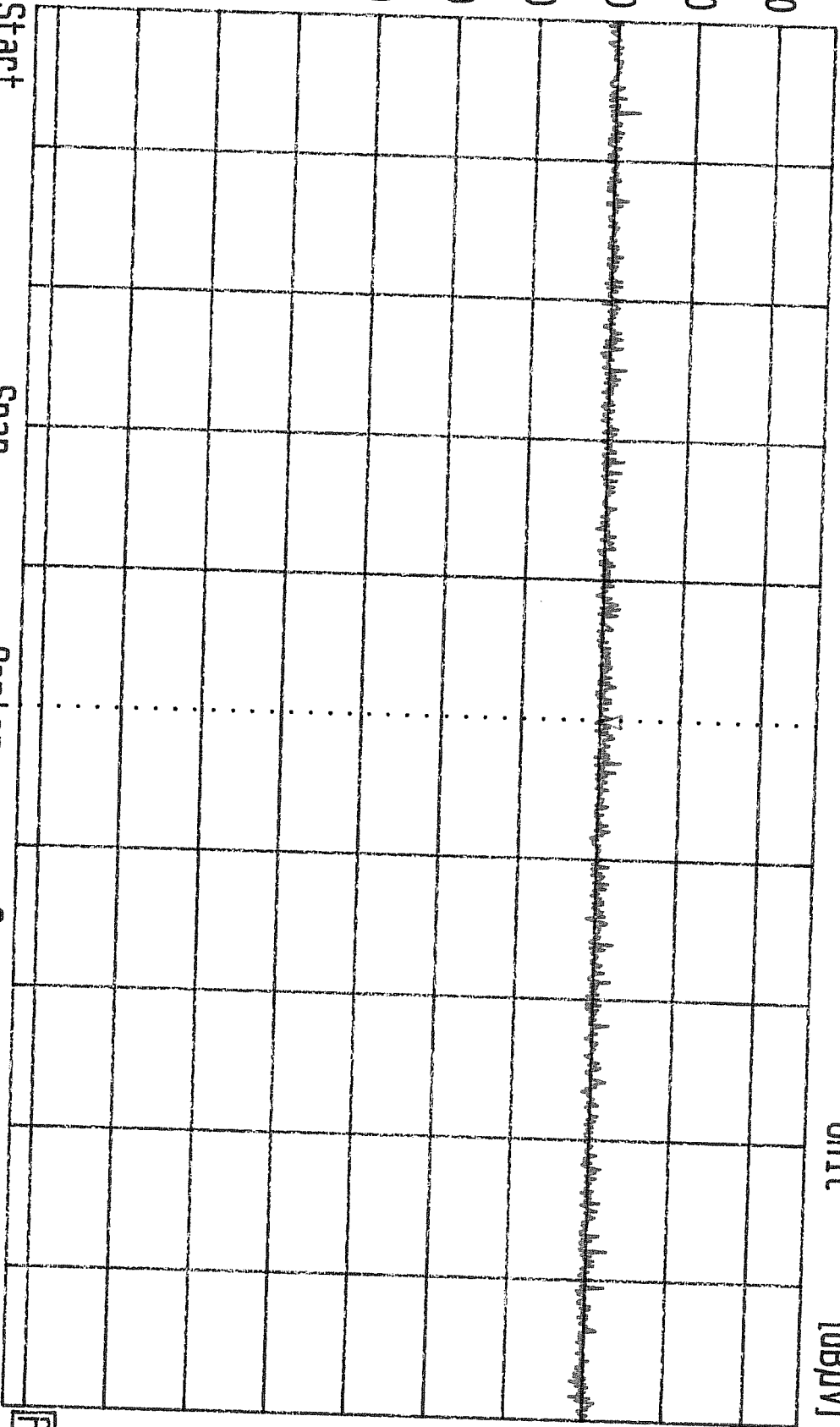
Date 24.May.'04 Time 11:10:37
Ref.Lvl 67.00 dBμV Marker 39.55 dBμV
8.269579 GHz

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

1 MHz [imp]
off
918.840 MHz

Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBμV]

60.0
50.0
40.0
30.0
20.0
10.0
0
-10.0
-20.0
-30.0



Start 8.268076666 GHz Span 3 MHz Center 8.269576666 GHz Sweep 20 ms Stop 8.271076666 GHz

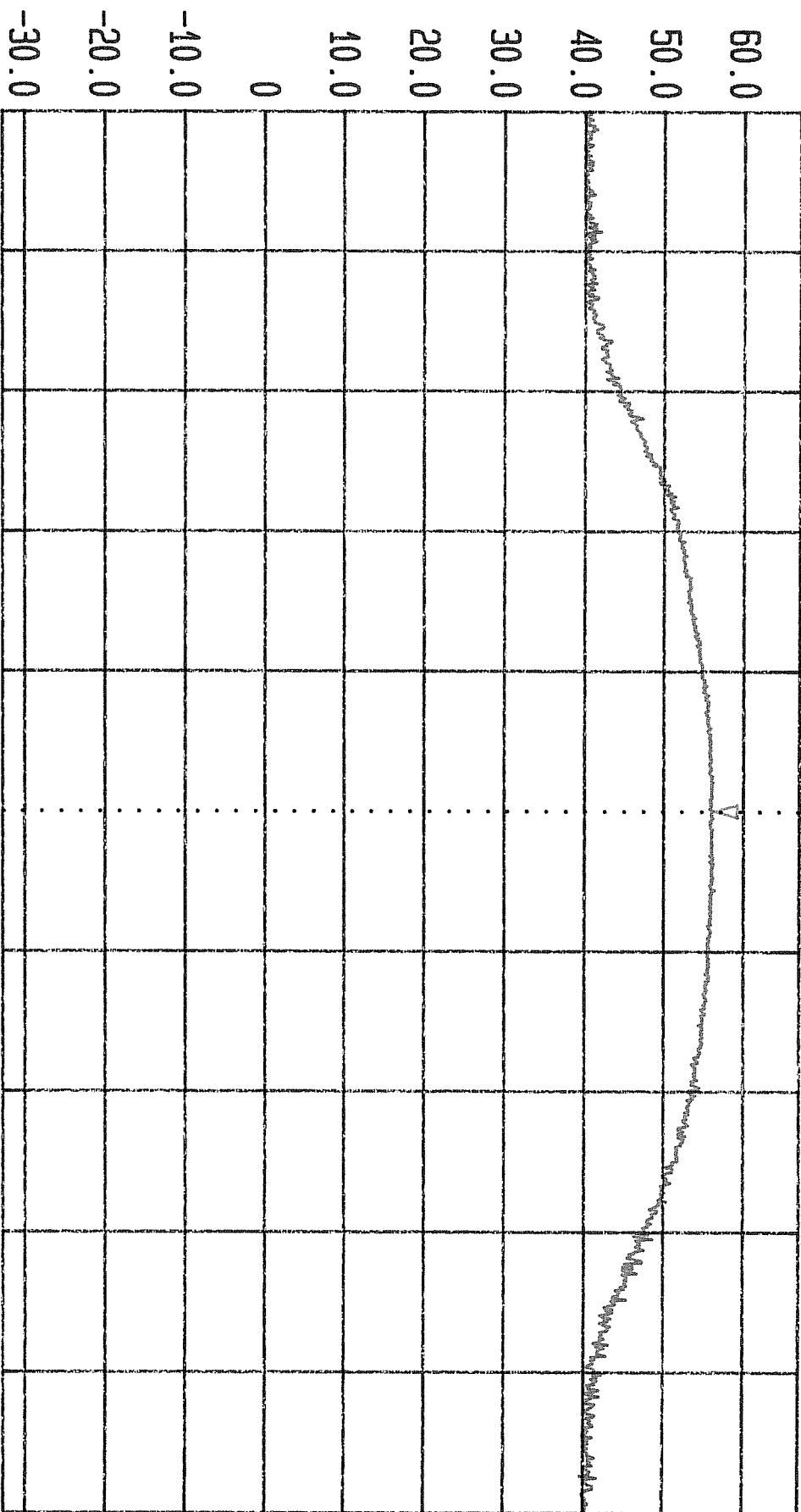
FI

Radiated Spurious Emissions

Low Channel



Date 24.May.'04 Time 10:27:37 Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
Ref.Lvl 56.19 dBμV Marker 2.714419 GHz T6.Lvl off RF.Att 10 dB
67.00 dBμV CF.Stp 905.000 MHz Unit [dBμV]

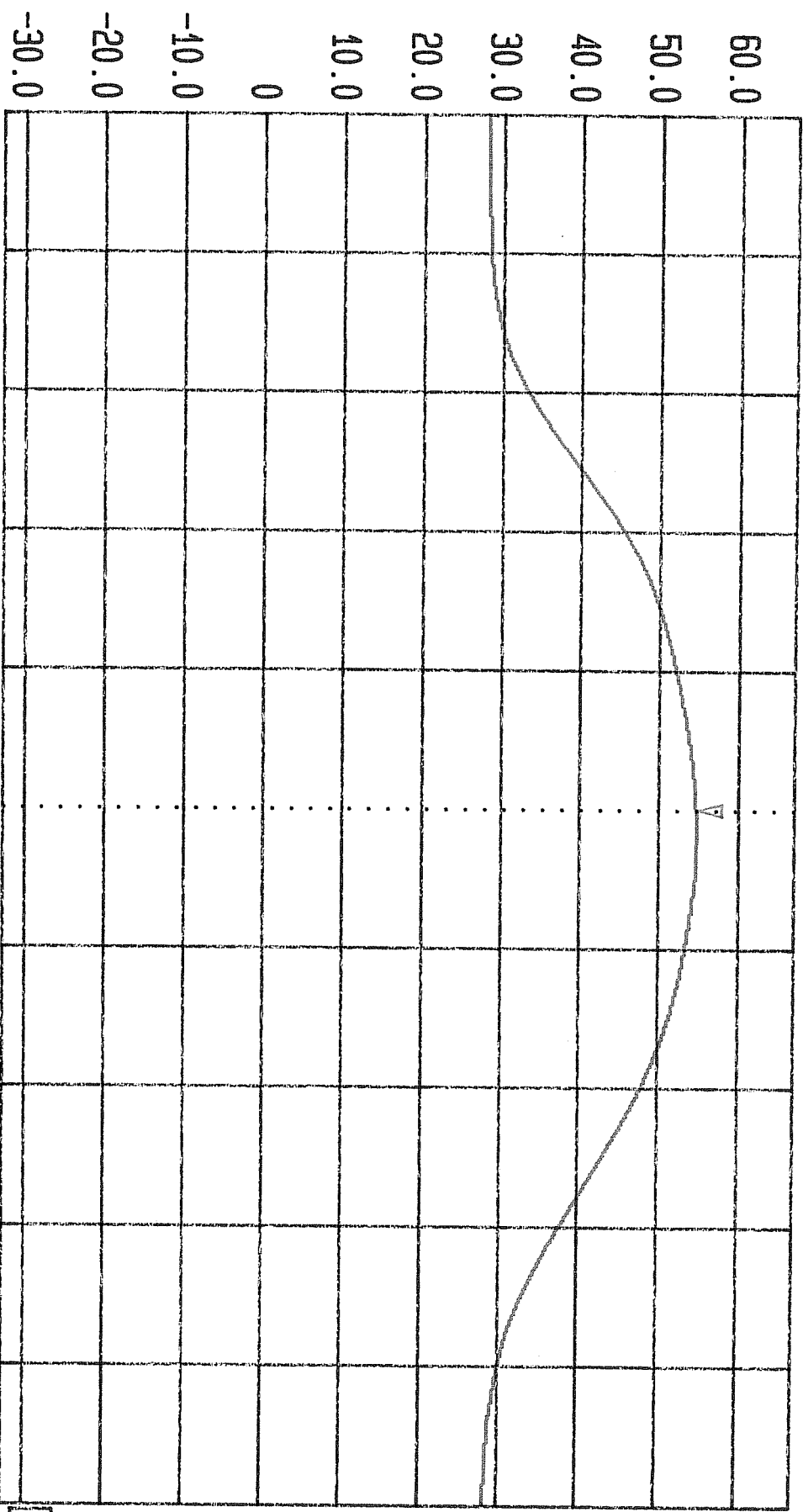


Start 2.712919999 GHz Span 3 MHz Center 2.714419999 GHz Sweep 20 ms Stop 2.715919999 GHz

FI



Date 24.May.'04 Time 10:32:01 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 67.00 dBuV Marker 54.79 dBuV TG.Lvl 16.Lvl Off RF.Att Unit 10 dB
2.714419 GHz CF.Stp 905.000 MHz [dBuV]



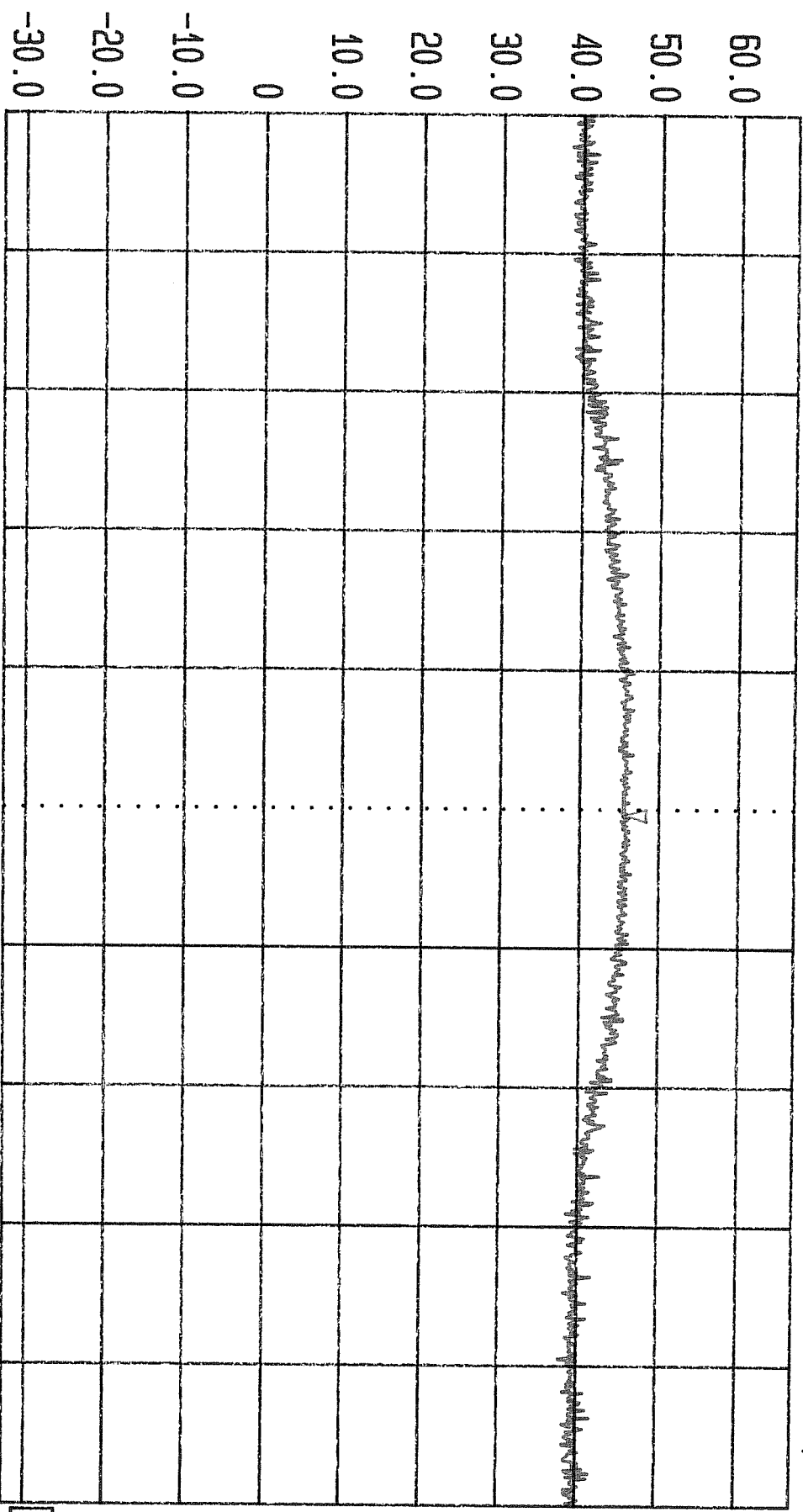
Start 2.712919999 GHz Span 3 MHz Center 2.714419999 GHz Sweep 6.6 s Stop 2.715919999 GHz

FI



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

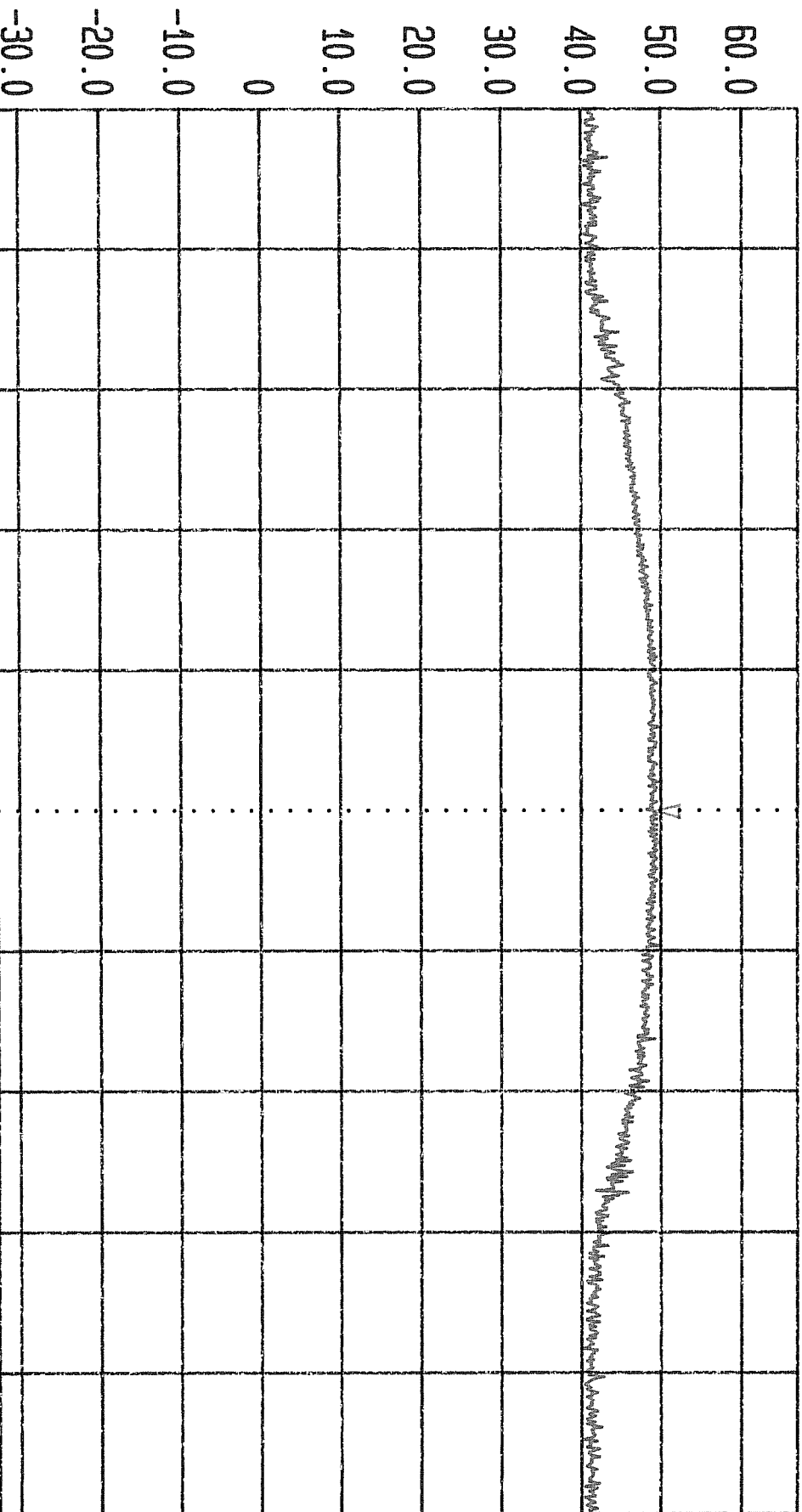
Res.Bw 1 MHz [imp]
16.Lvl off
CF.Stp 905.000 MHz
Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBuV]



FI



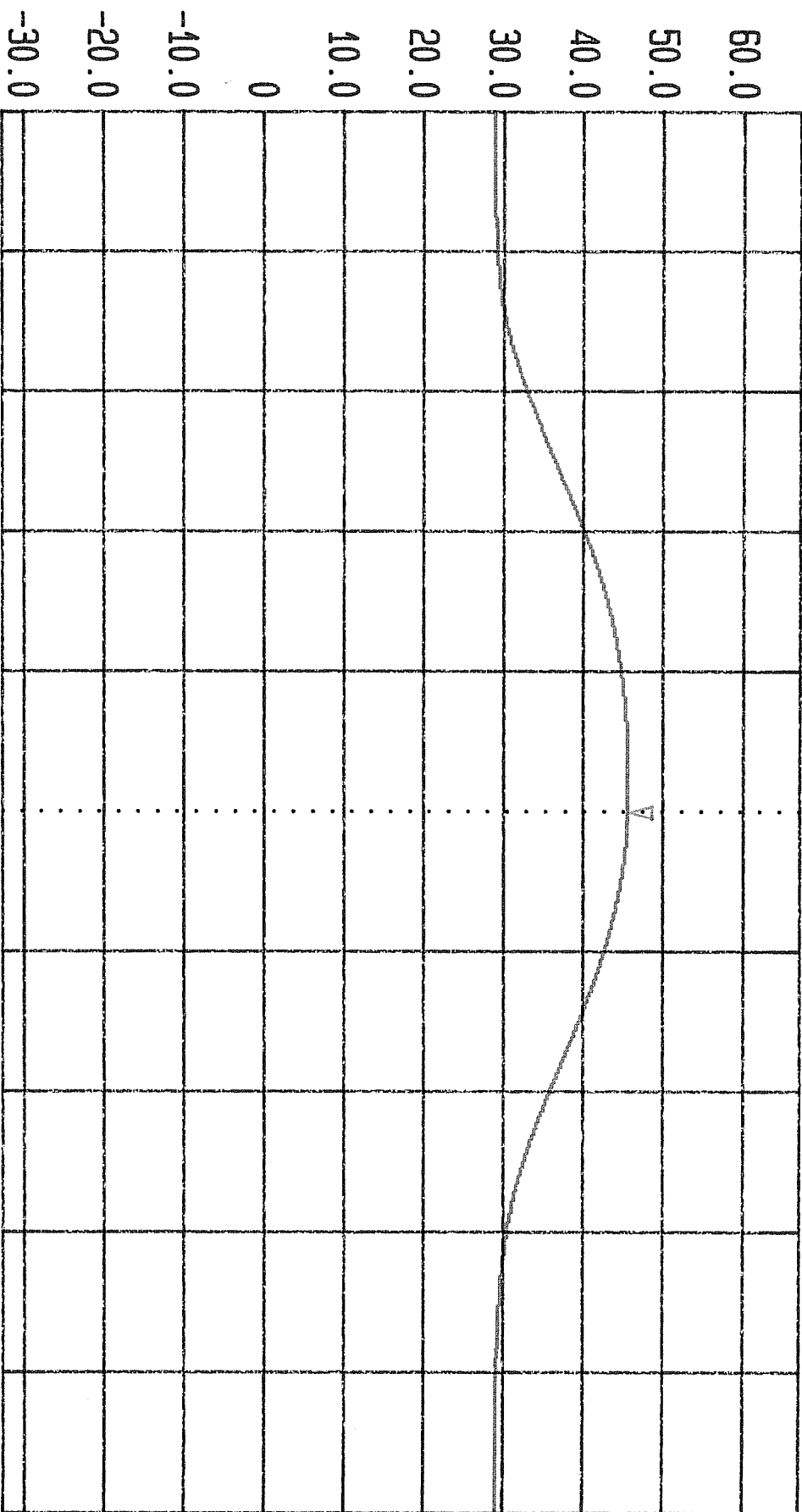
Date 24.May.'04 Time 10:17:09 Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
Ref.Lvl 67.00 dBuV Marker 49.36 dBuV CF.Stp 16.Lvl off RF.Att 10 dB
Unit [dBuV]



FI



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



FI

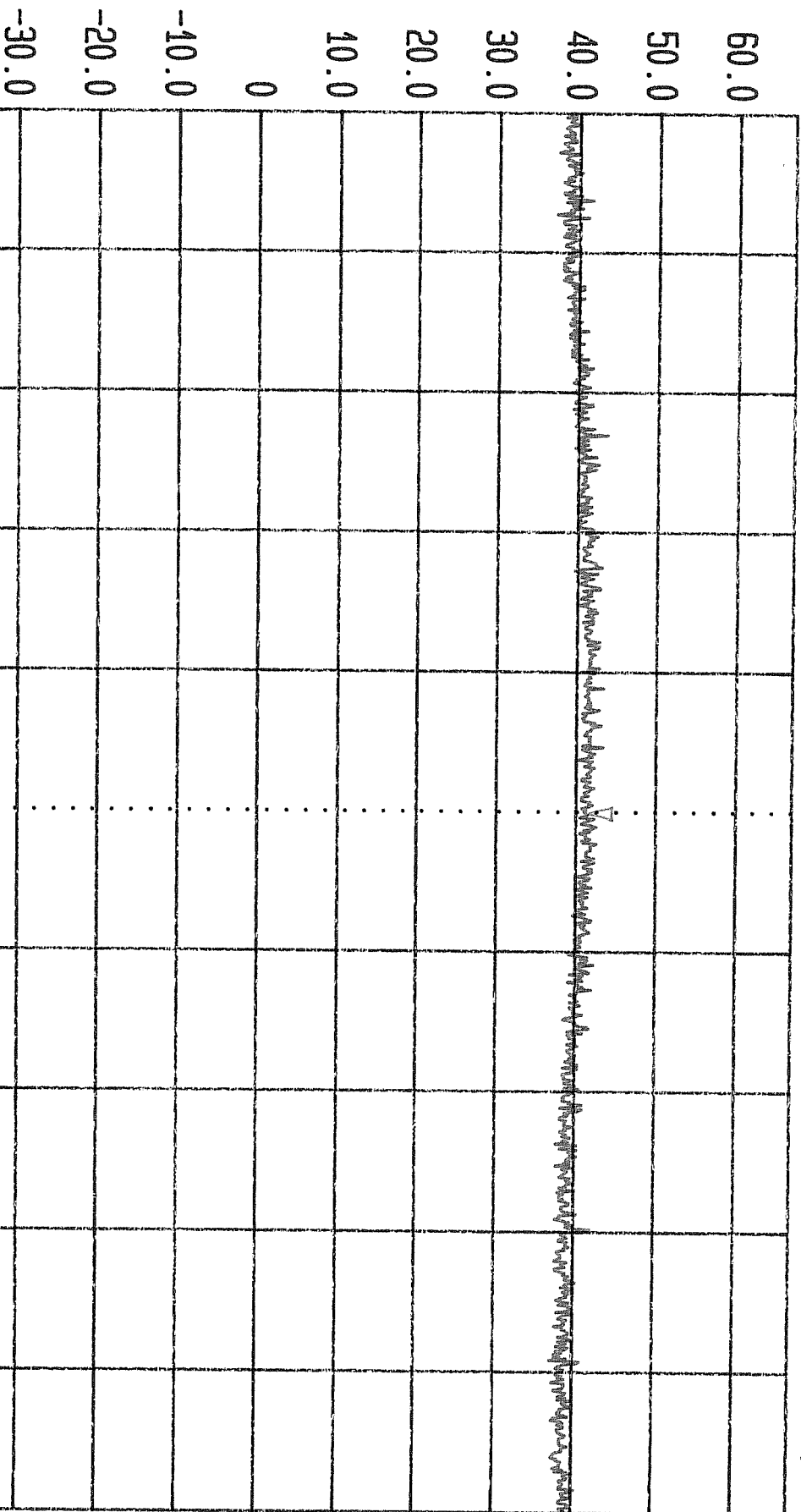


Date 24.May.'04 Time 10:08:28
Ref.Lvl 67.00 dBuV
Marker 41.56 dBuV
5.429273 GHz

Res.Bw 1 MHz [imp]
TG.Lvl 16.Lvl
CF.Stp Off

1 MHz [imp]
905.000 MHz
Off

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



Start 5.4276666 GHz Span 3 MHz Center 5.42926666 GHz Sweep 20 ms Stop 5.430766666 GHz

FI

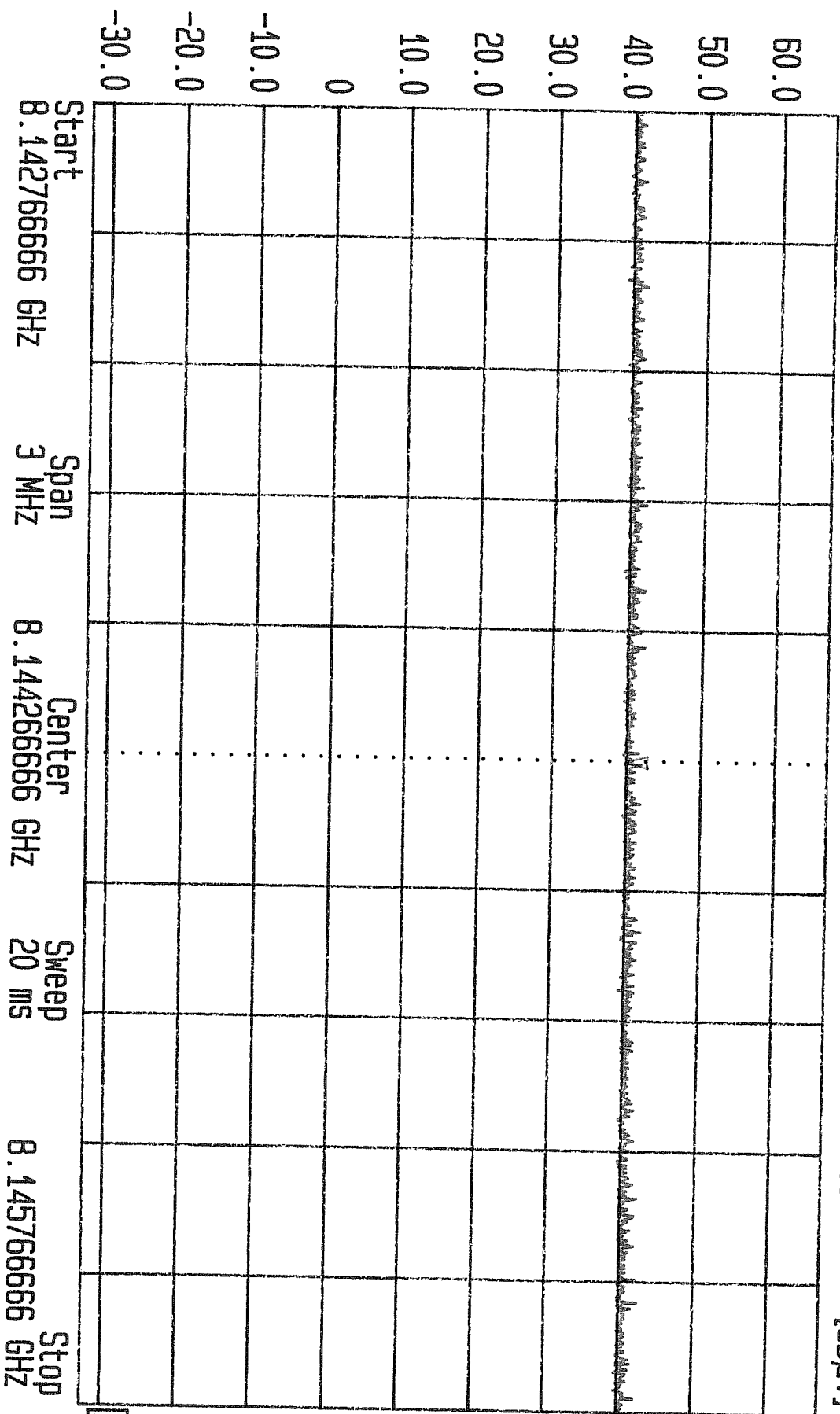


Date 24.May.'04 Time 10:13:29
Ref.Lvl 67.00 dBμV
Marker 40.01 dBμV
8.144273 GHz

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

Vid.Bw 1 MHz
RF.Att Unit

10 dB [dBμV]



[FI]