



**Frequency Hopping
Spread Spectrum Transmitter
Modular Approval**

Certification Test Report

FCC ID: HSW-910M

ACS Report Number: 04-0132-15C

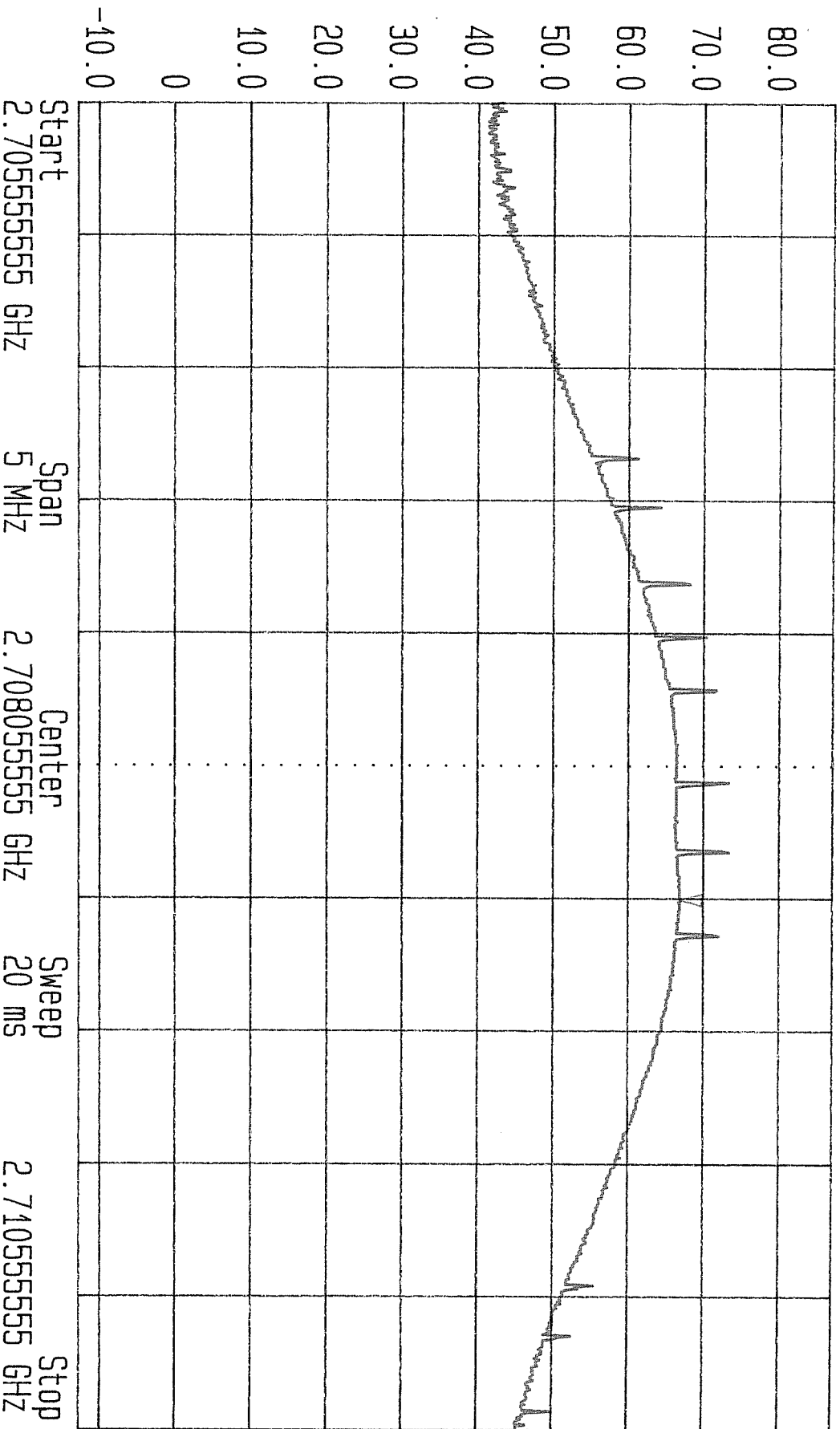
**Manufacturer: Cirronet, Inc.
Equipment Type: Transceiver
Model: WIT910**

**Radiated Spurious Emission Plots –
Dipole Antenna**

Low Channel

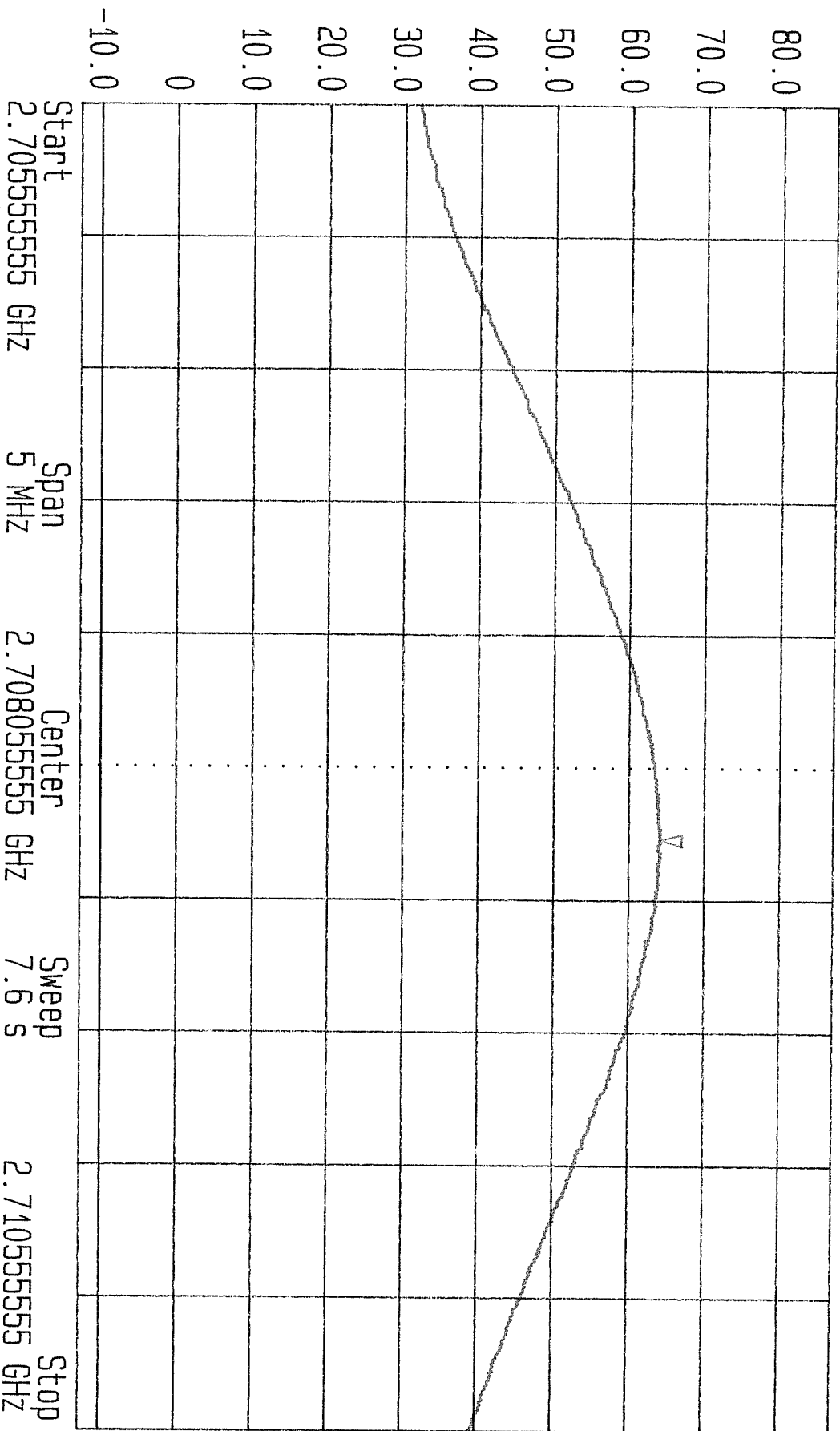


Date 19.May.'04 Time 09:39:48 Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
Ref.Lvl 87.00 dB μ V Marker 66.99 dB μ V CF.Stp off RF.Att Unit [dB μ V]





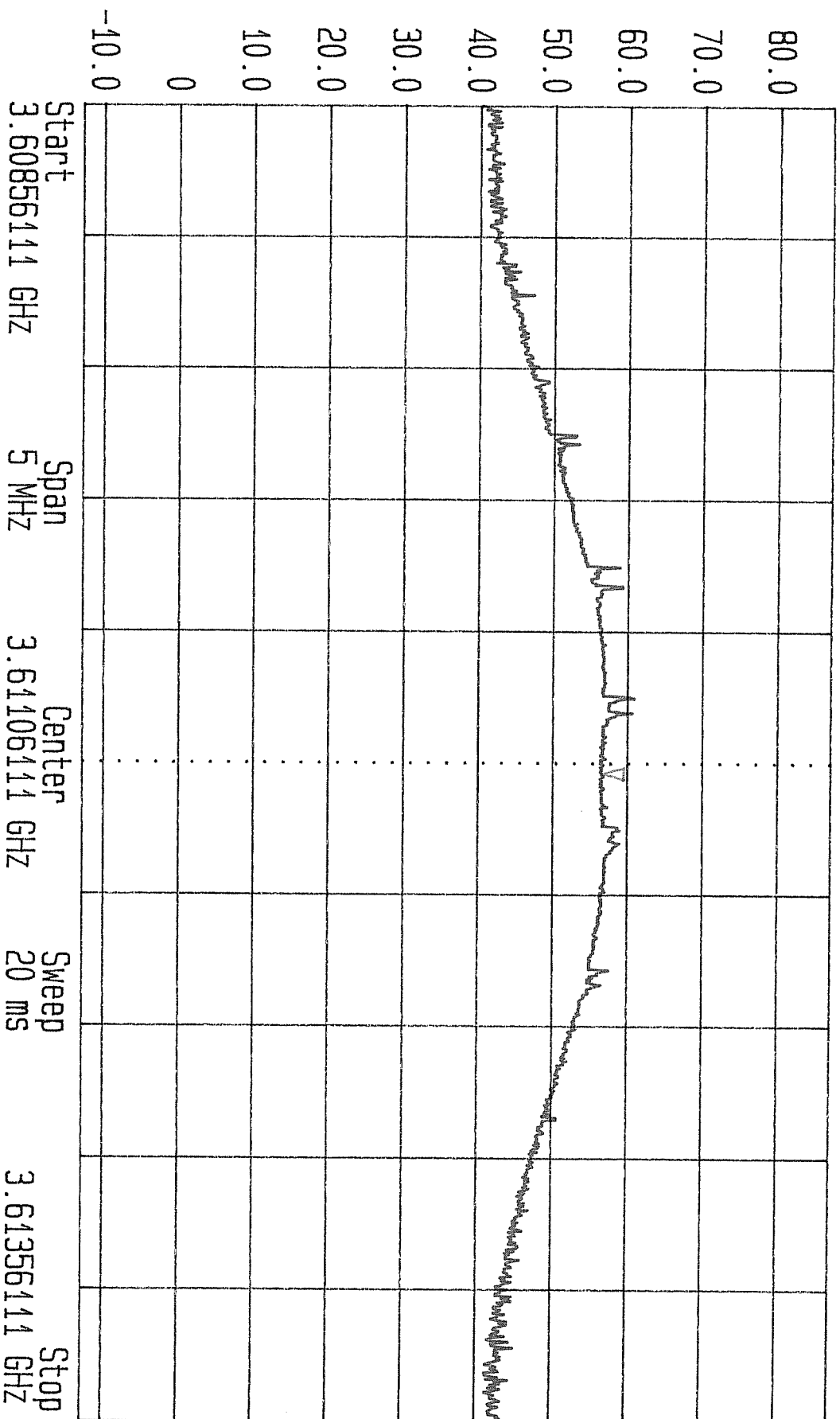
Date 19.May.'04 Time 09:43:09 Res.Bw 1.0 MHz [3dB] Vid.Bw 10 Hz
Ref.Lvl 87.00 dBμV Marker 64.02 dBμV CF.Lvl 16 off RF.Att 10 dB
Unit [dBμV]





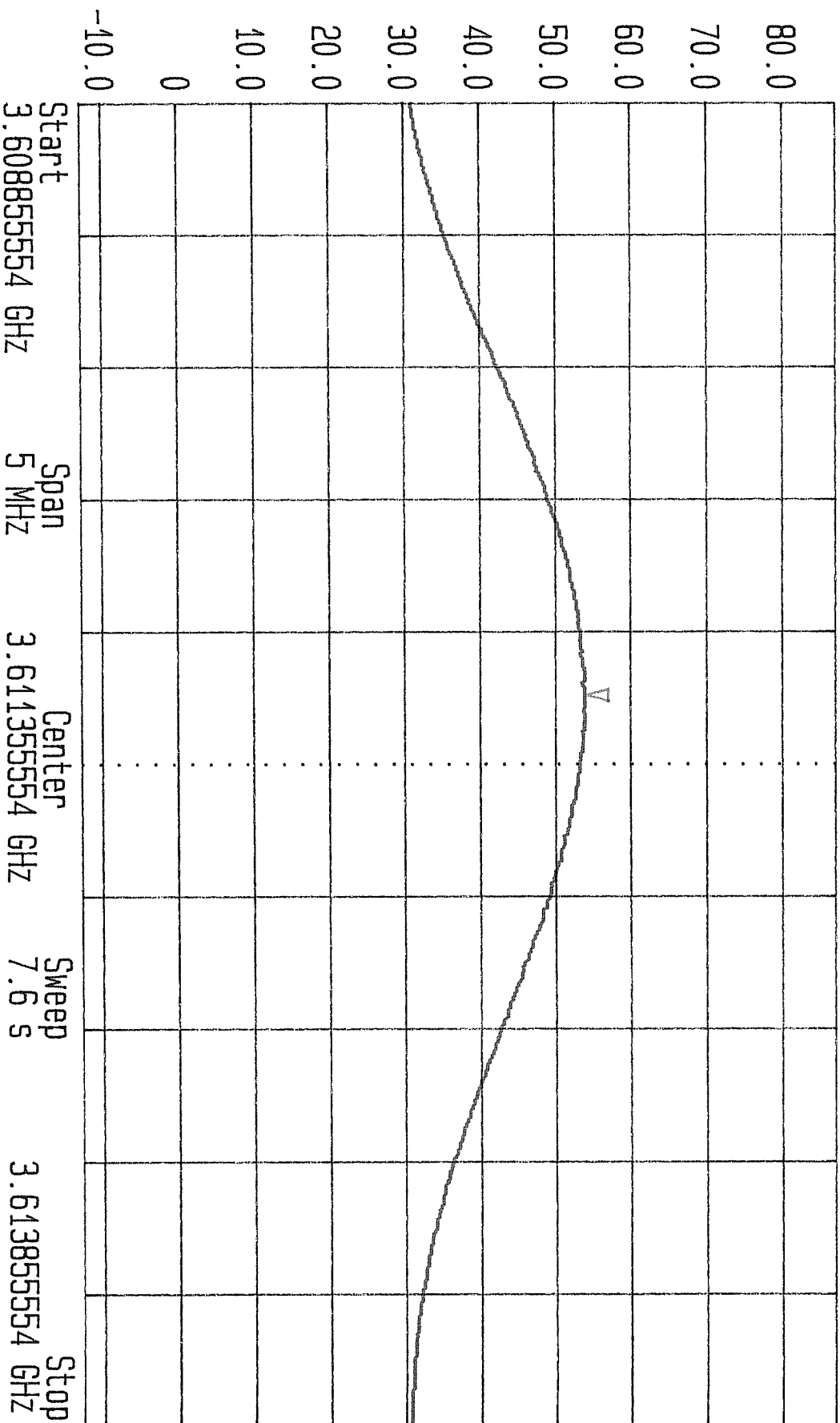
Date 19.May.'04 Time 10:09:39
Ref.Lvl 87.00 dBuV
Marker 56.63 dBuV
3.611099 GHz

Res.Bw 1.0 MHz [3dB]
TG.Lvl off
CF.Stp 902.600 MHz
Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBuV]



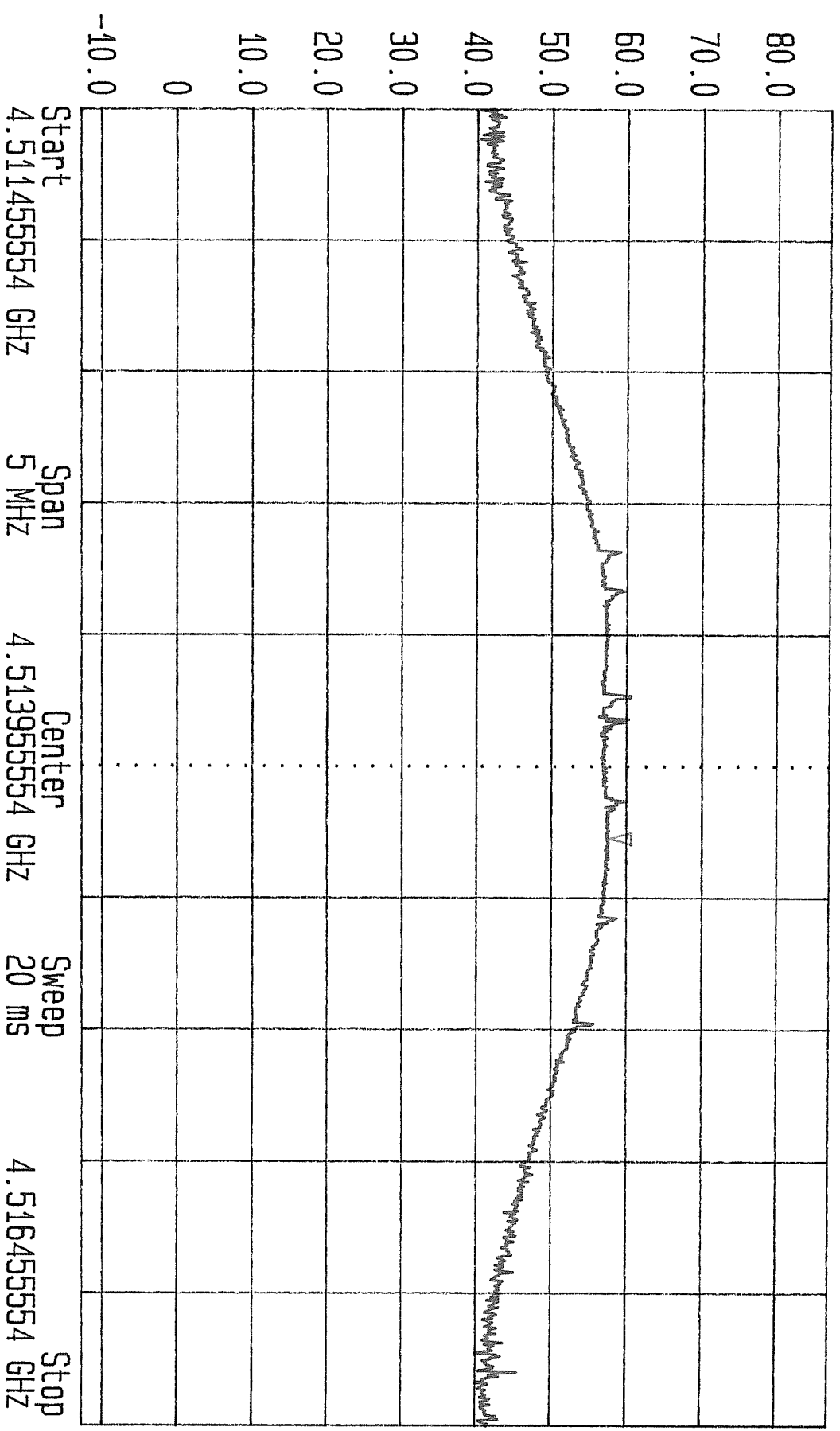


Date 19.May.'04 Time 10:17:07 Res.Bw 1.0 MHz [3dB] Vid.Bw 10 Hz
Ref.Lvl 53.97 dBμV Marker 3.611099 GHz CF.Lvl 10 dB
87.00 dBμV 3.611099 GHz CF.Stp off RF.Att Unit [dBμV]



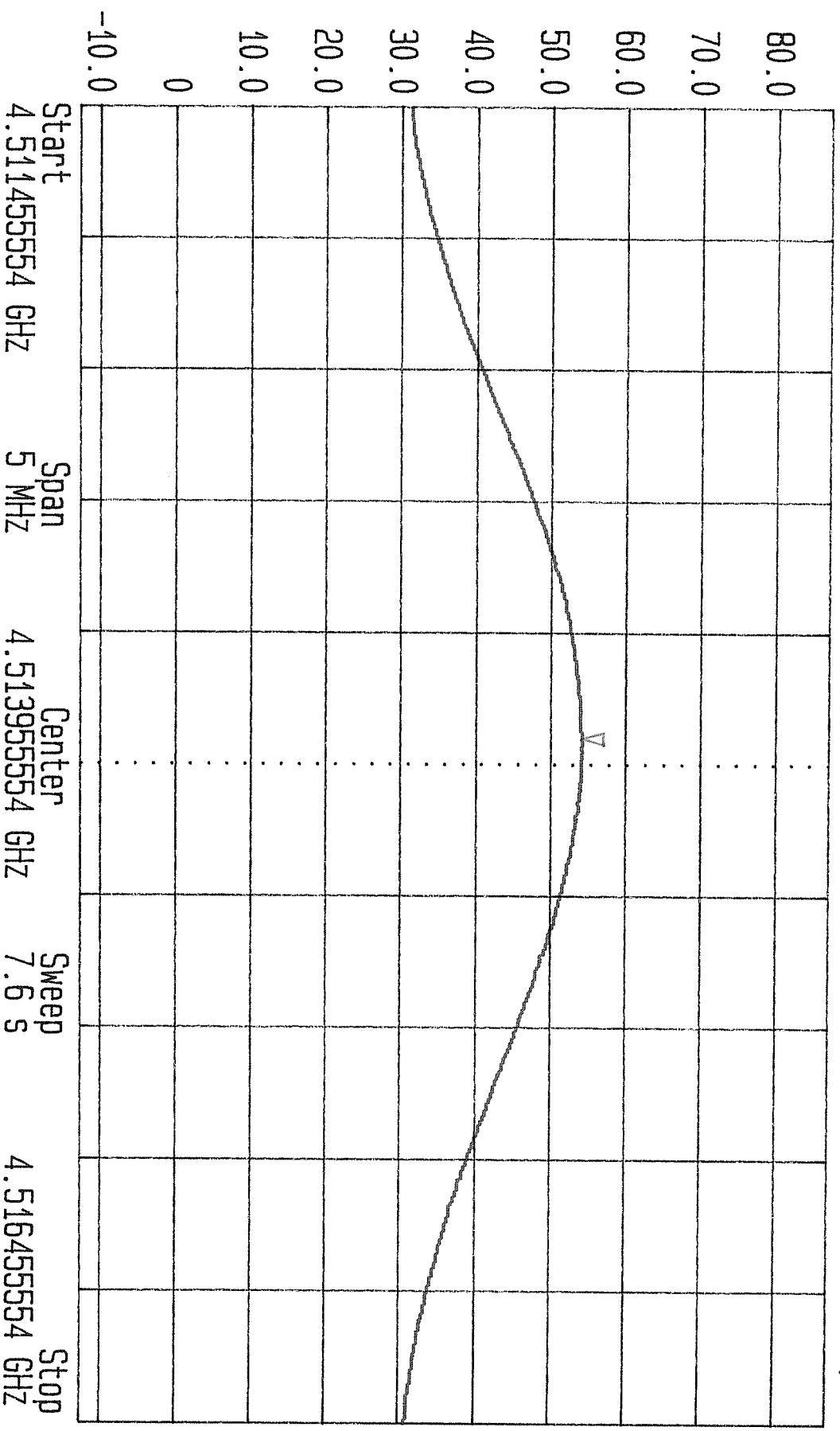


Date 19.May.'04 Time 10:22:03 Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
Ref.Lvl 87.00 dBμV Marker 57.57 dBμV CF.Lvl 16.Lvl off RF.Att 10 dB
Unit [dBμV]





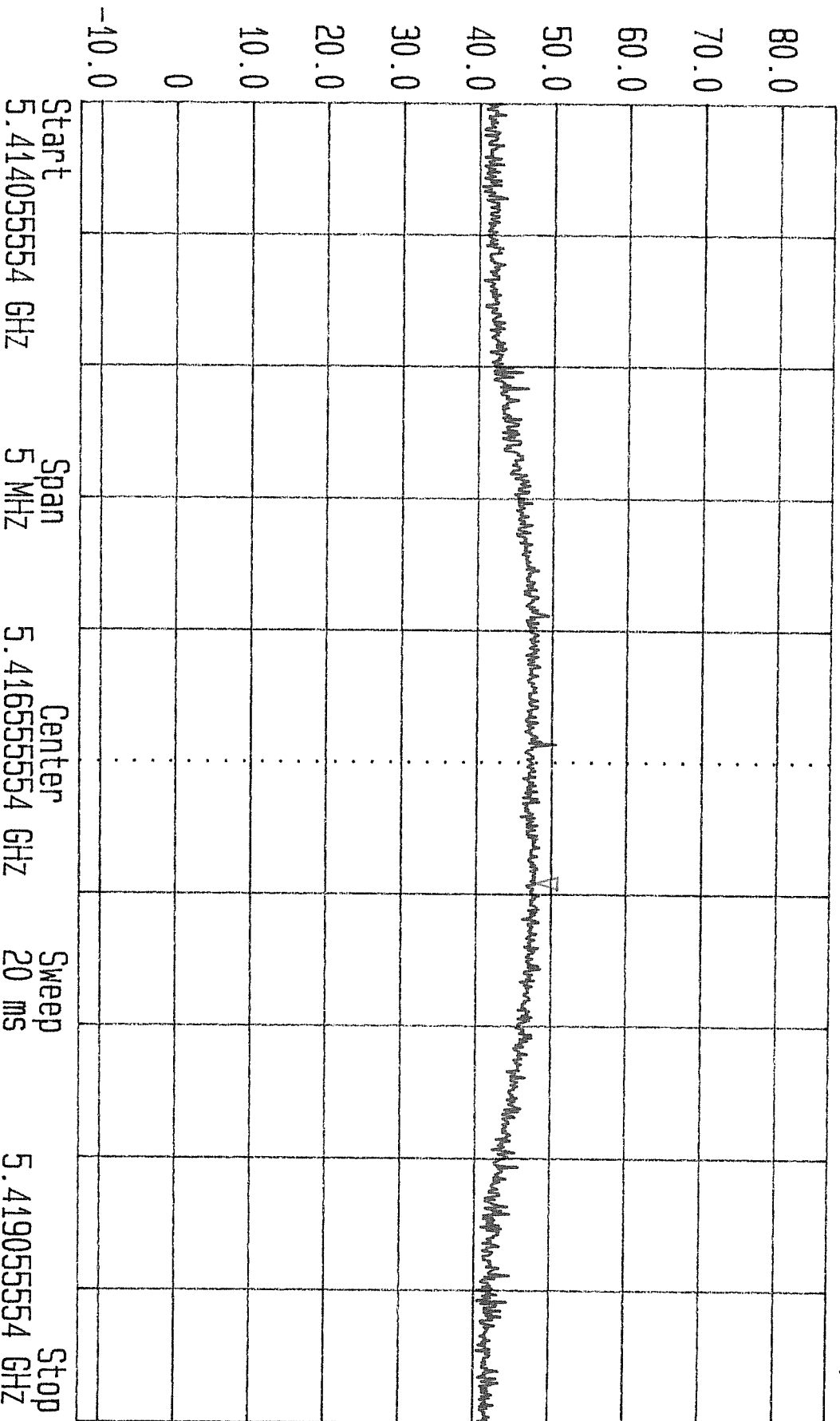
Date 19.May.'04 Time 10:25:33 Res.Bw 1.0 MHz [3dB] Vid.Bw 10 Hz
Ref.Lvl 87.00 dBμV Marker 54.22 dBμV CF.Lvl 16.Lvl off RF.Att 10 dB
Unit [dBμV]





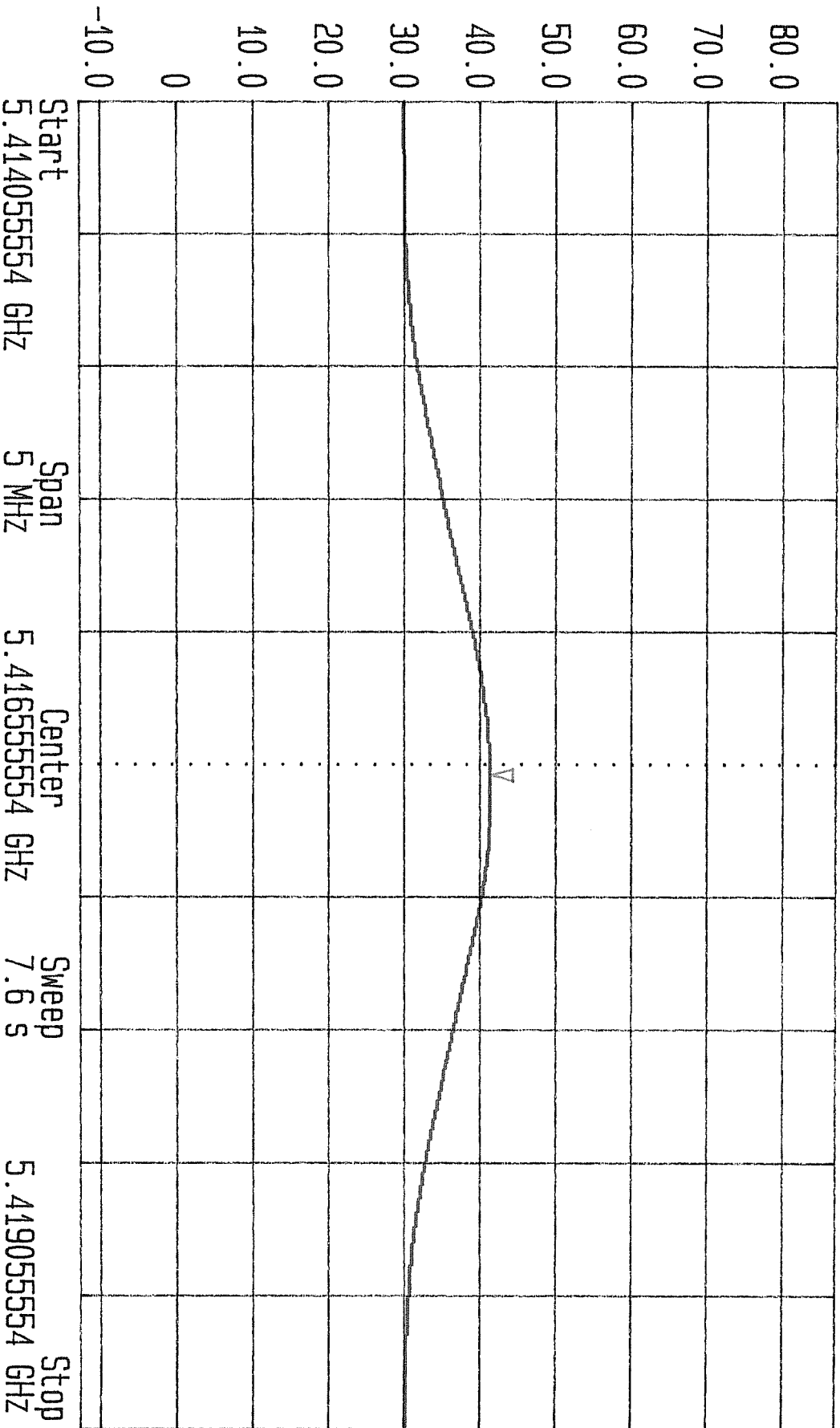
Date 19.May.'04 Time 10:29:55
Ref.Lvl 87.00 dBuV Marker 47.85 dBuV
5.417011 GHz

Res.Bw 1.0 MHz [3dB]
16.Lvl off
CF.Stp 902.600 MHz
Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBuV]



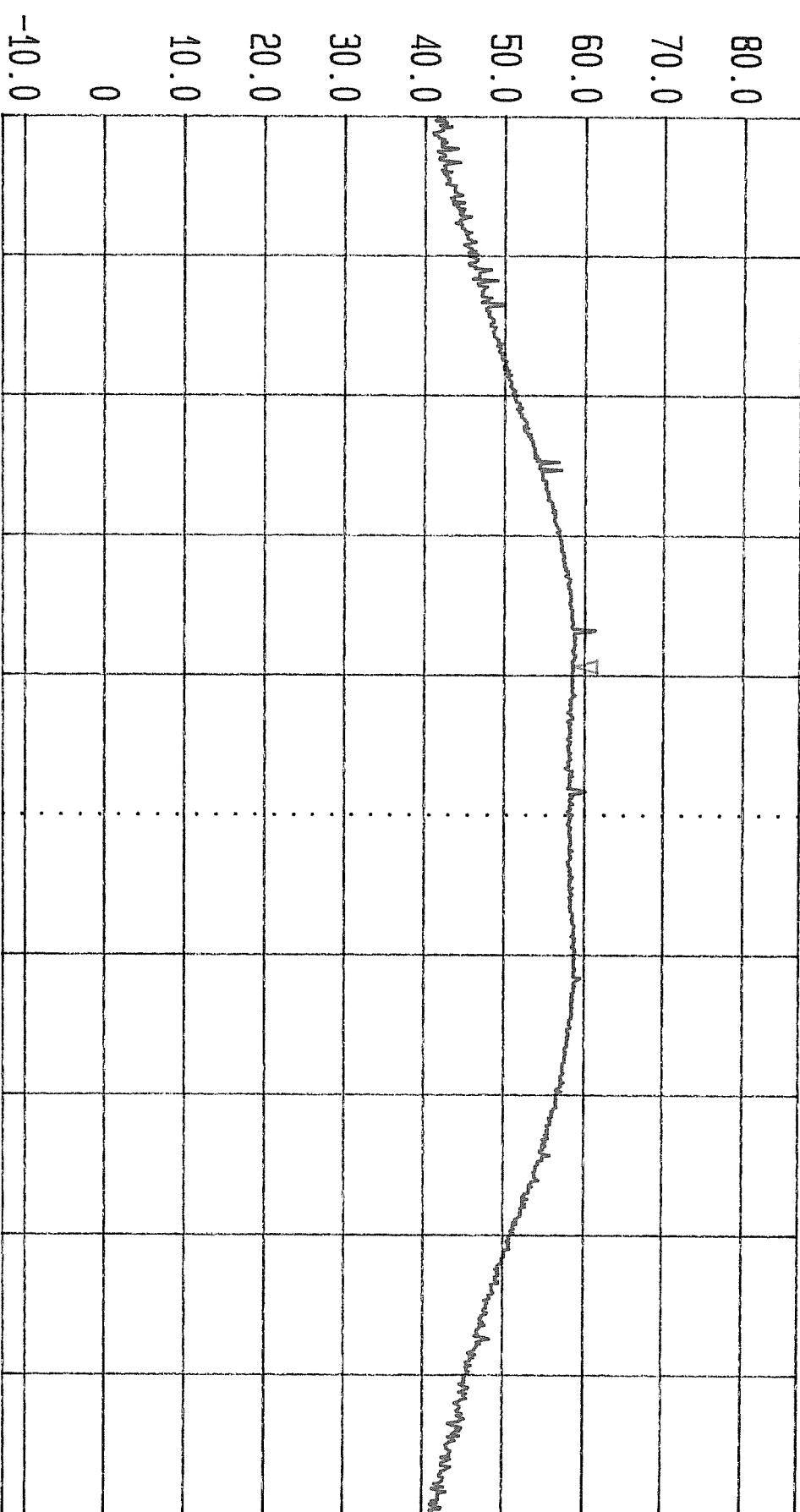


Date 19.May.'04 Time 10:33:15 Res.Bw 1.0 MHz [3dB] Vid.Bw 10 Hz
Ref.Lvl 87.00 dBuV Marker 41.60 dBuV CF.Lvl 16.Lvl off RF.Att 10 dB
Unit [dBuV]





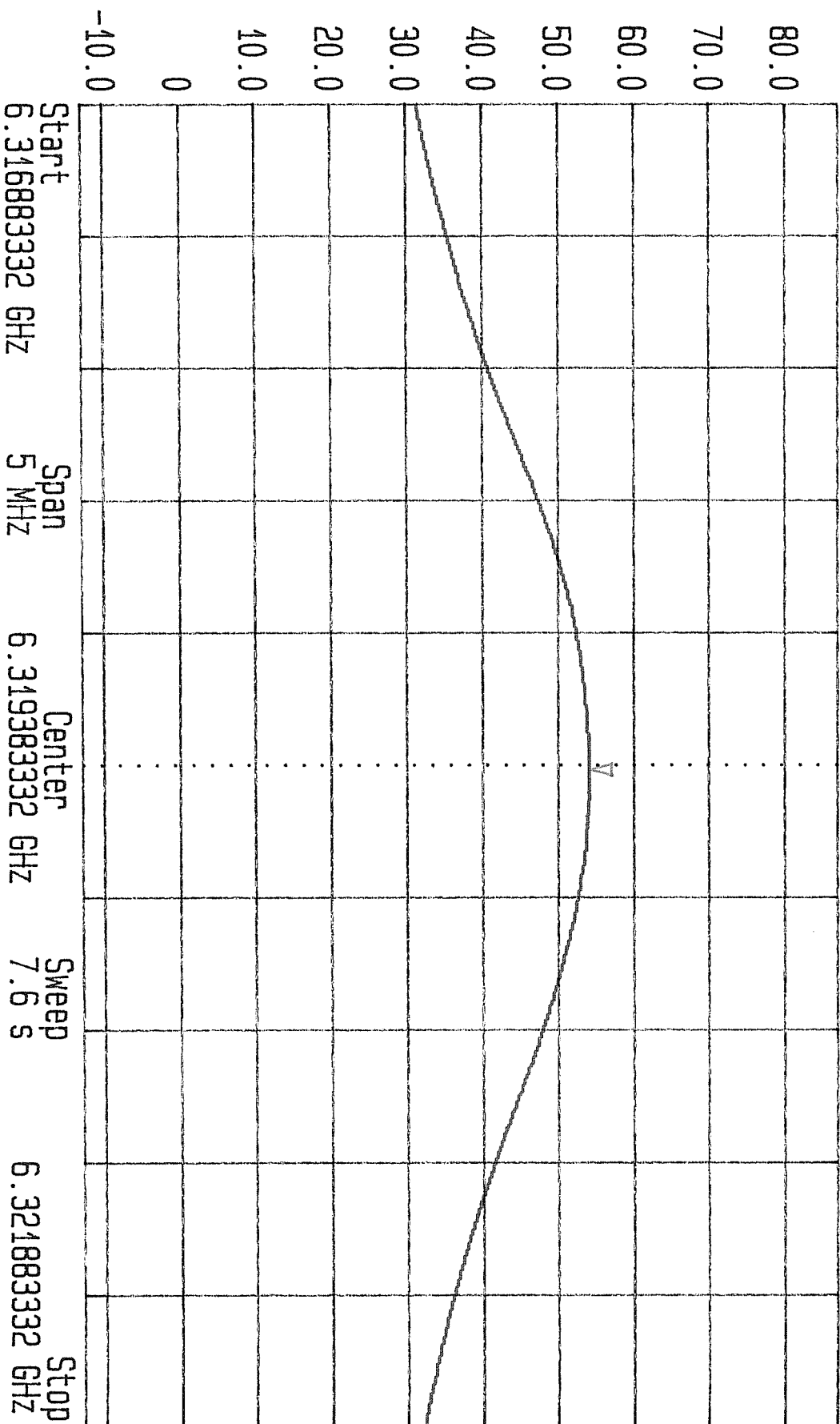
Date 19.May.'04 Time 11:06:13 Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
Ref.Lvl 87.00 dBμV Marker 58.77 dBμV TG.Lvl off RF.Att 10 dB
CF.Stp 902.600 MHz Unit [dBμV]



Start 6.316883332 GHz Span 5 MHz Center 6.319383332 GHz Sweep 20 ms Stop 6.321883332 GHz

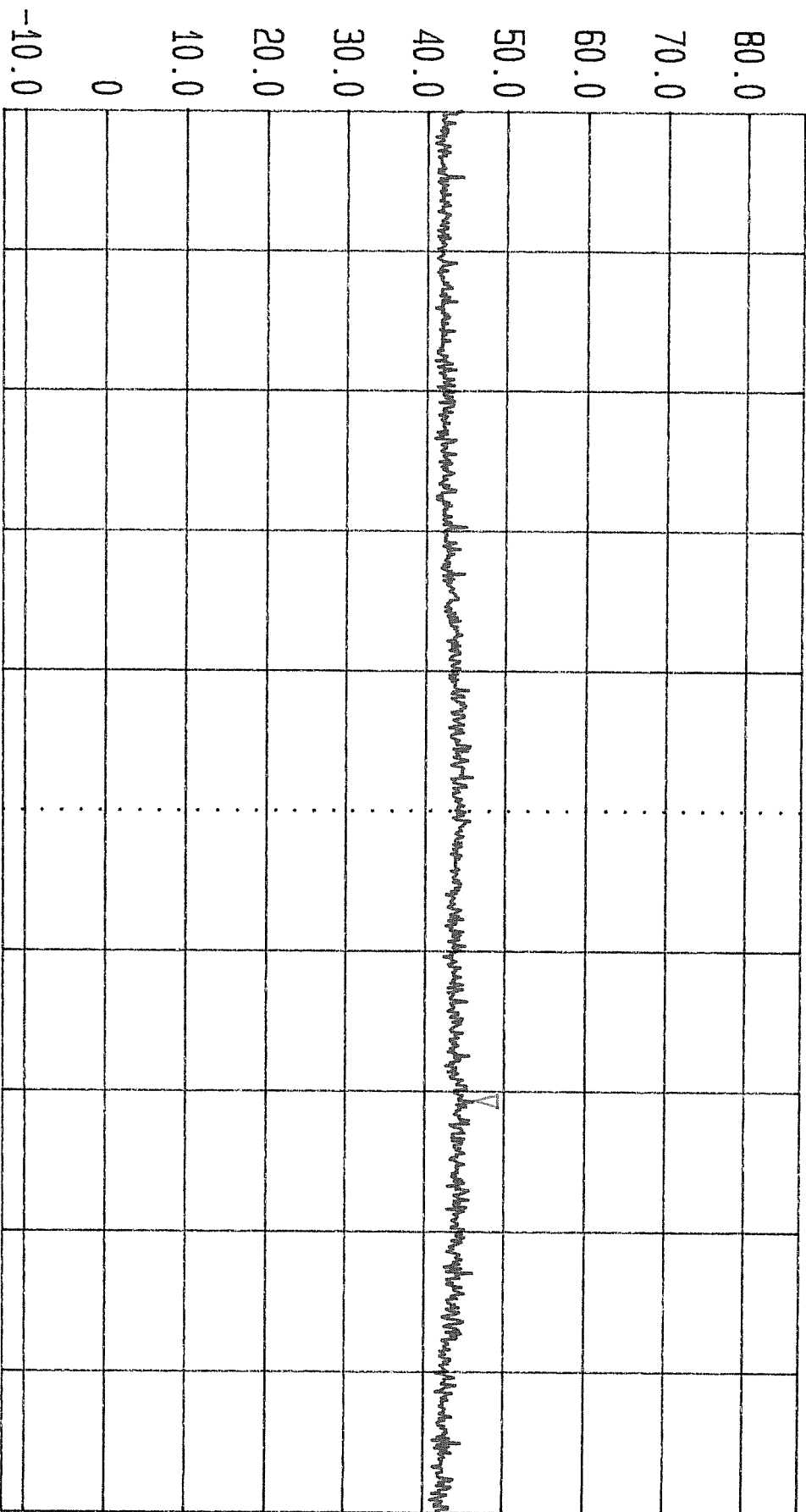


Date 19.May.'04 Time 11:09:48 Res.Bw 1.0 MHz [3dB] Vid.Bw 10 Hz
Ref.Lvl 87.00 dBμV Marker 54.30 dBμV TG.Lvl off RF.Att 10 dB
CF.Stp 6.319405 GHz Unit [dBμV]



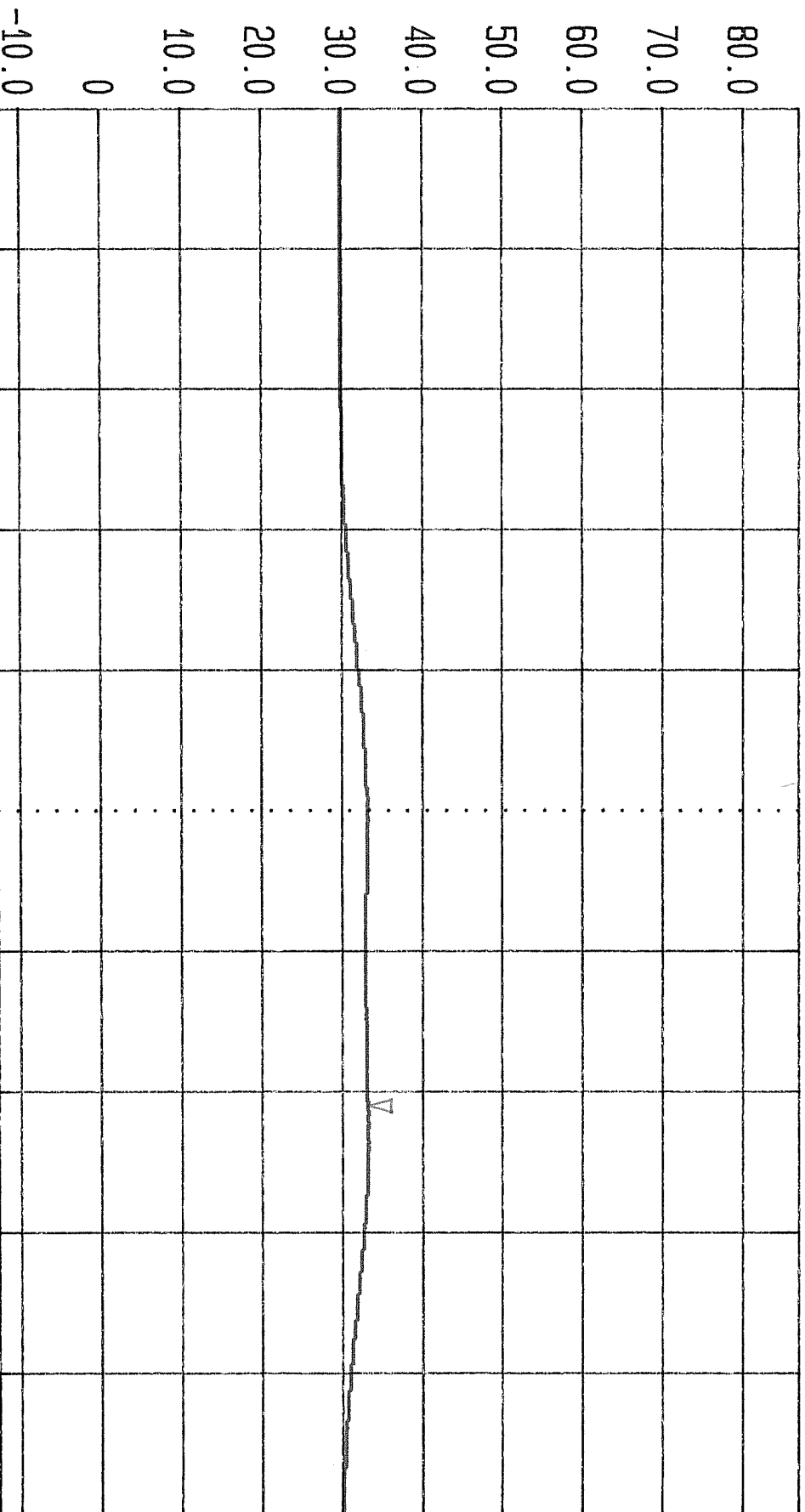


Date 19.May.'04 Time 10:50:03 Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
Ref.Lvl 46.25 dBμV Marker 8.125394 GHz TG.Lvl 1 CF.Stp off 902.600 MHz RF.Att 10 dB
87.00 dBμV Unit [dBμV]





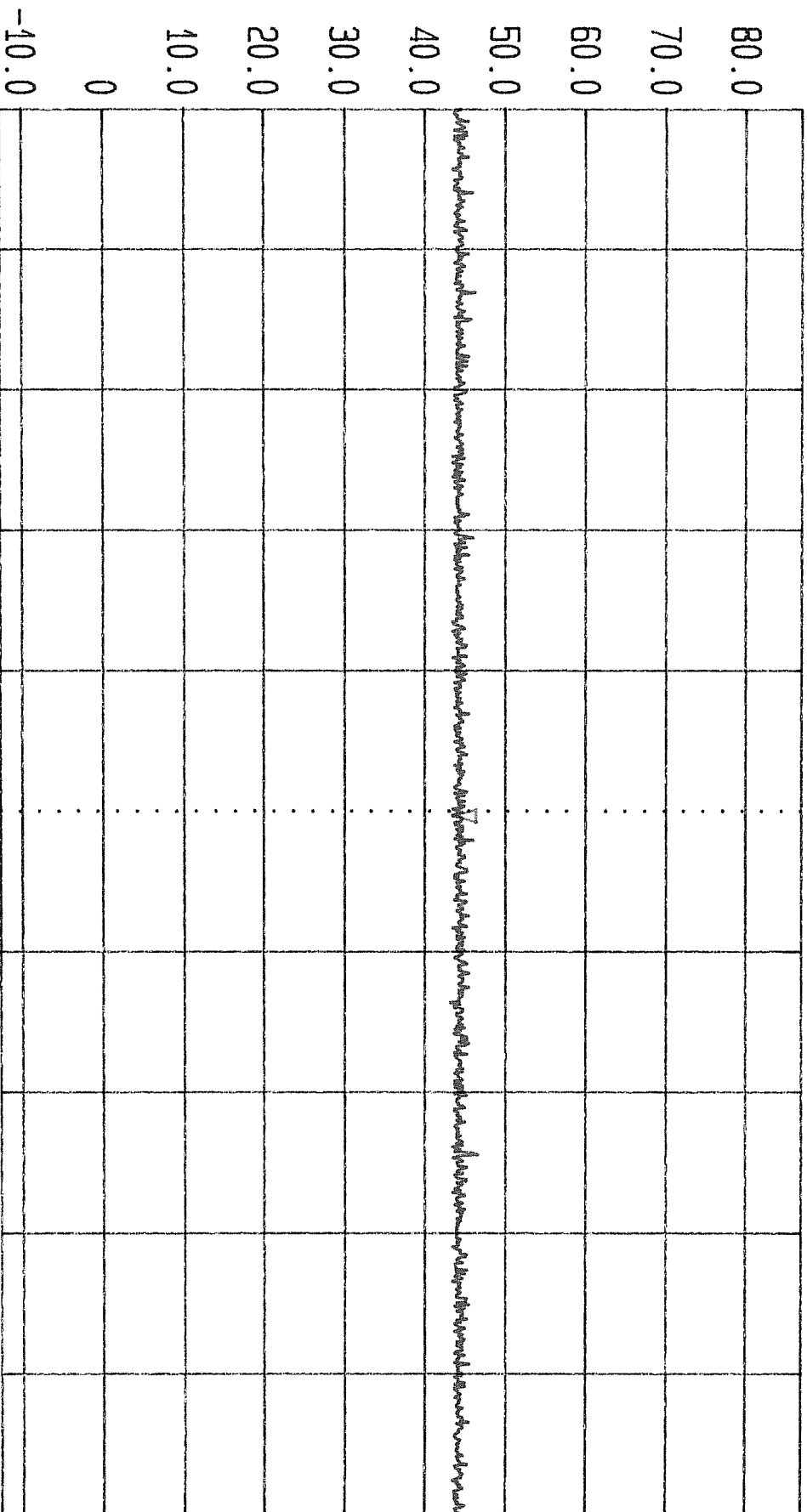
Date 19.May.'04 Time 10:53:31 Res.Bw 1.0 MHz [3dB] Vid.Bw 10 Hz
Ref.Lvl 87.00 dBμV Marker 33.37 dBμV CF.Stp 902.600 MHz off RF:Att 10 dB
Unit [dBμV]



Start 8.121855554 GHz Span 5 MHz Center 8.124355554 GHz Sweep 7.6 s Stop 8.126855554 GHz



Date 19. May. '04 Time 10:58:15 Res. Bw 1.0 MHz [3dB] Vid. Bw 1 MHz
Ref. Lvl 87.00 dBμV Marker 43.66 dBμV CF. Strp 902.600 MHz off RF. Att 10 dB
Unit [dBμV]

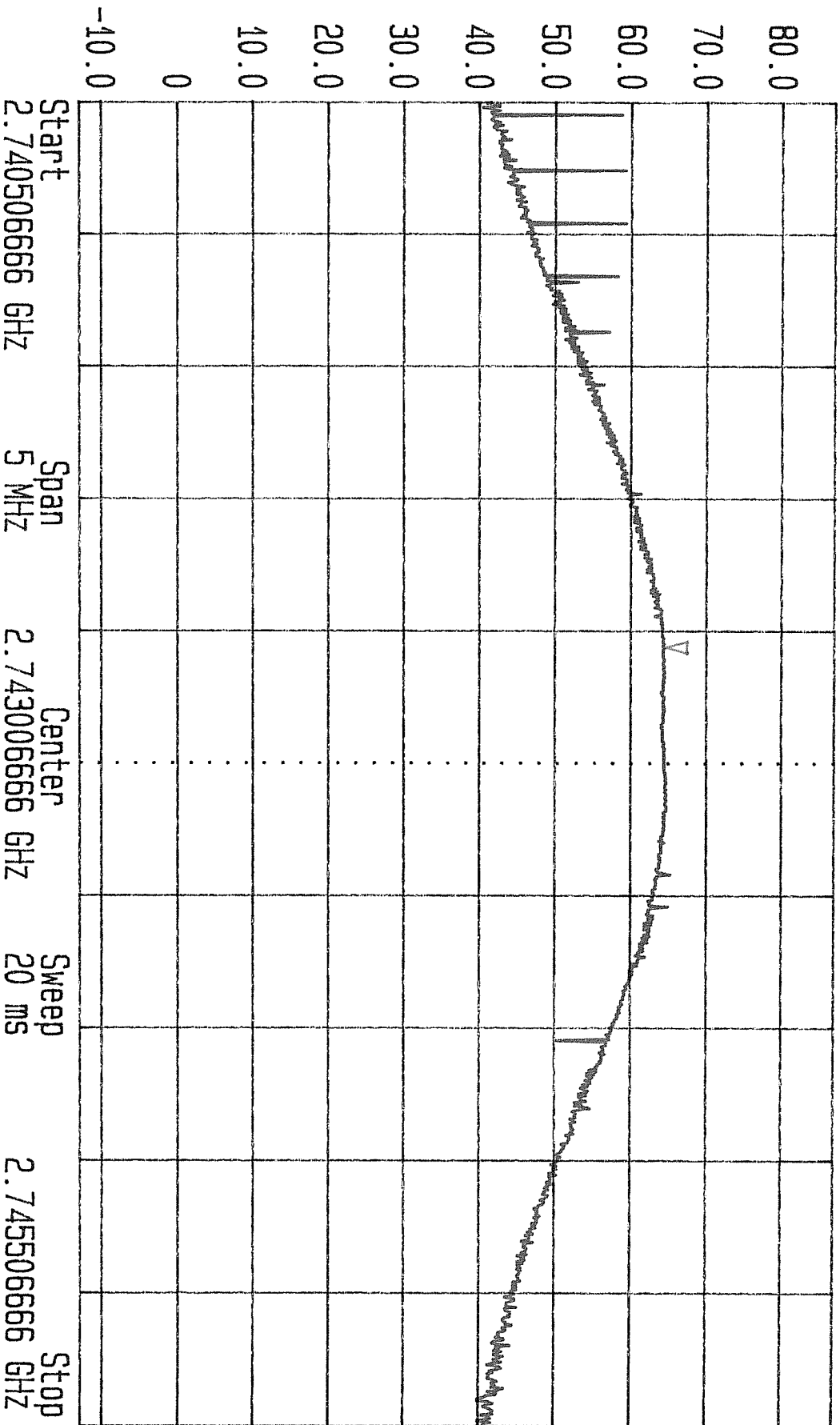


Start 9.023988888 GHz Span 5 MHz Center 9.026488888 GHz Sweep 20 ms Stop 9.028988888 GHz

Middle Channel

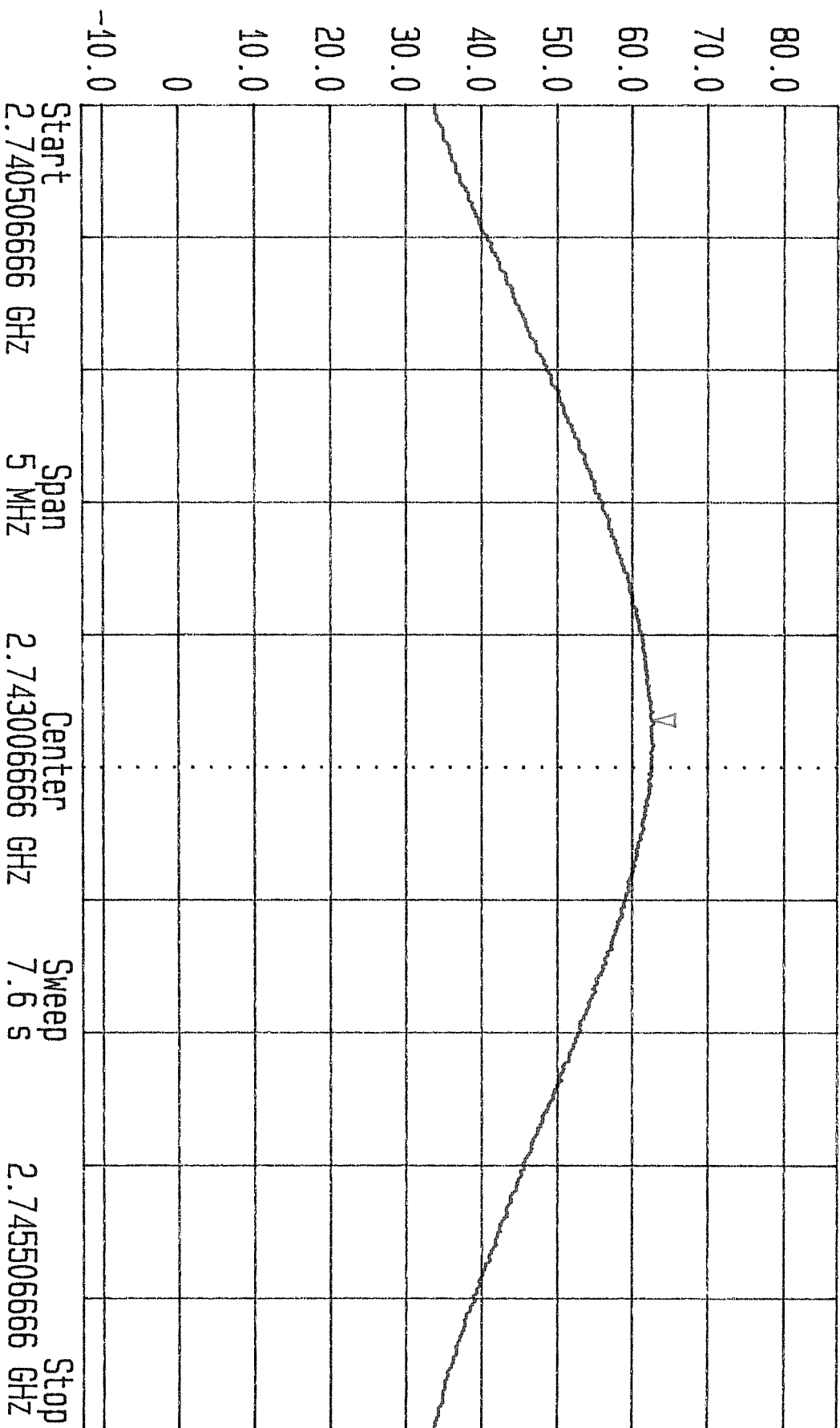


Date 19.May.'04 Time 12:29:41 Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
Ref.Lvl 87.00 dBμV Marker 64.76 dBμV CF.Stp 16.Lvl off 914.740 MHz RF.Att 10 dB
Unit [dBμV]



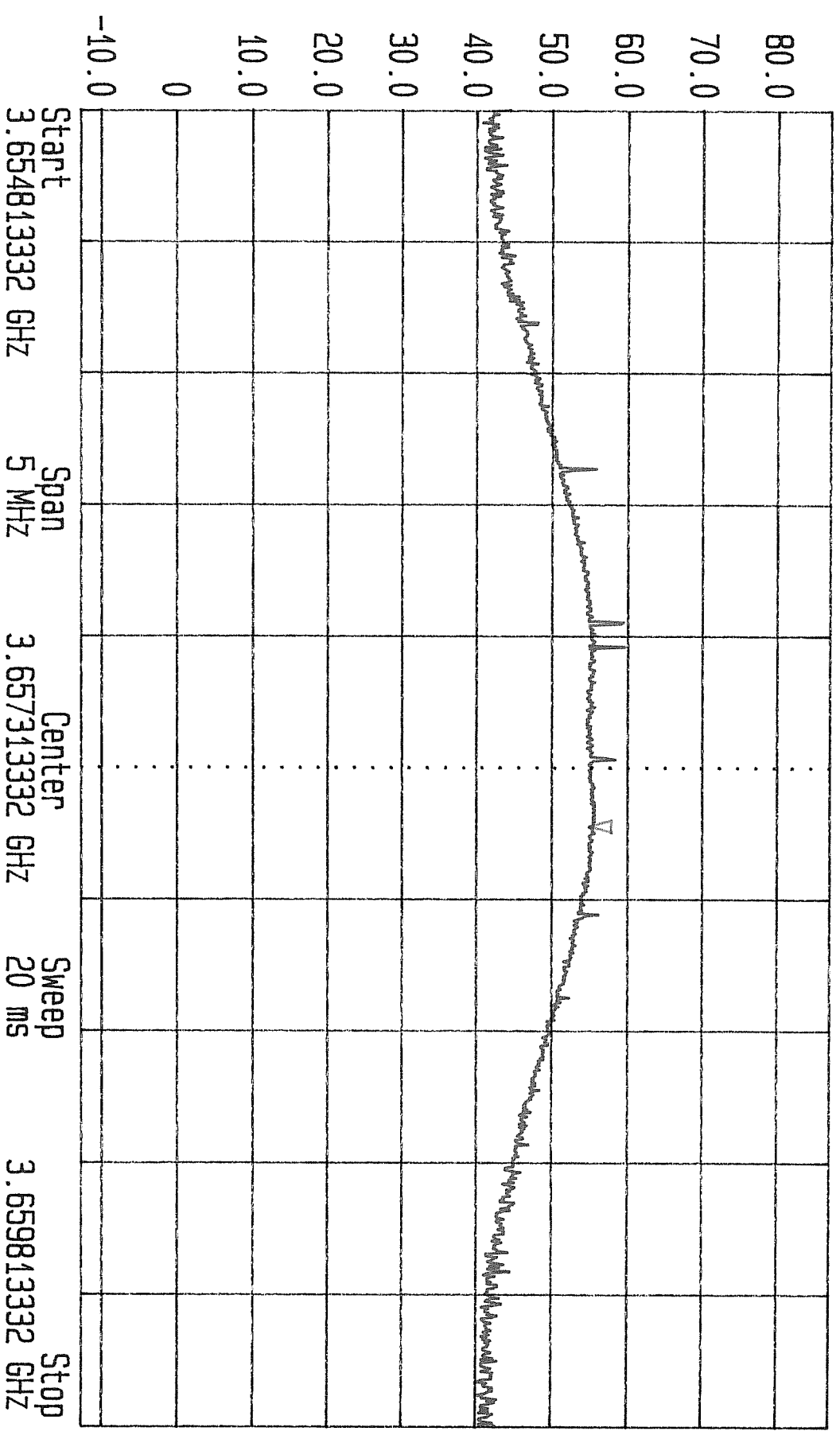


Date 19.May.'04 Time 12:33:00 Res.Bw 1.0 MHz [3dB] Vid.Bw 10 Hz
Ref.Lvl 87.00 dBuV Marker 62.70 dBuV CF.Stp 914.740 MHz off RF.Att Unit [dBuV]



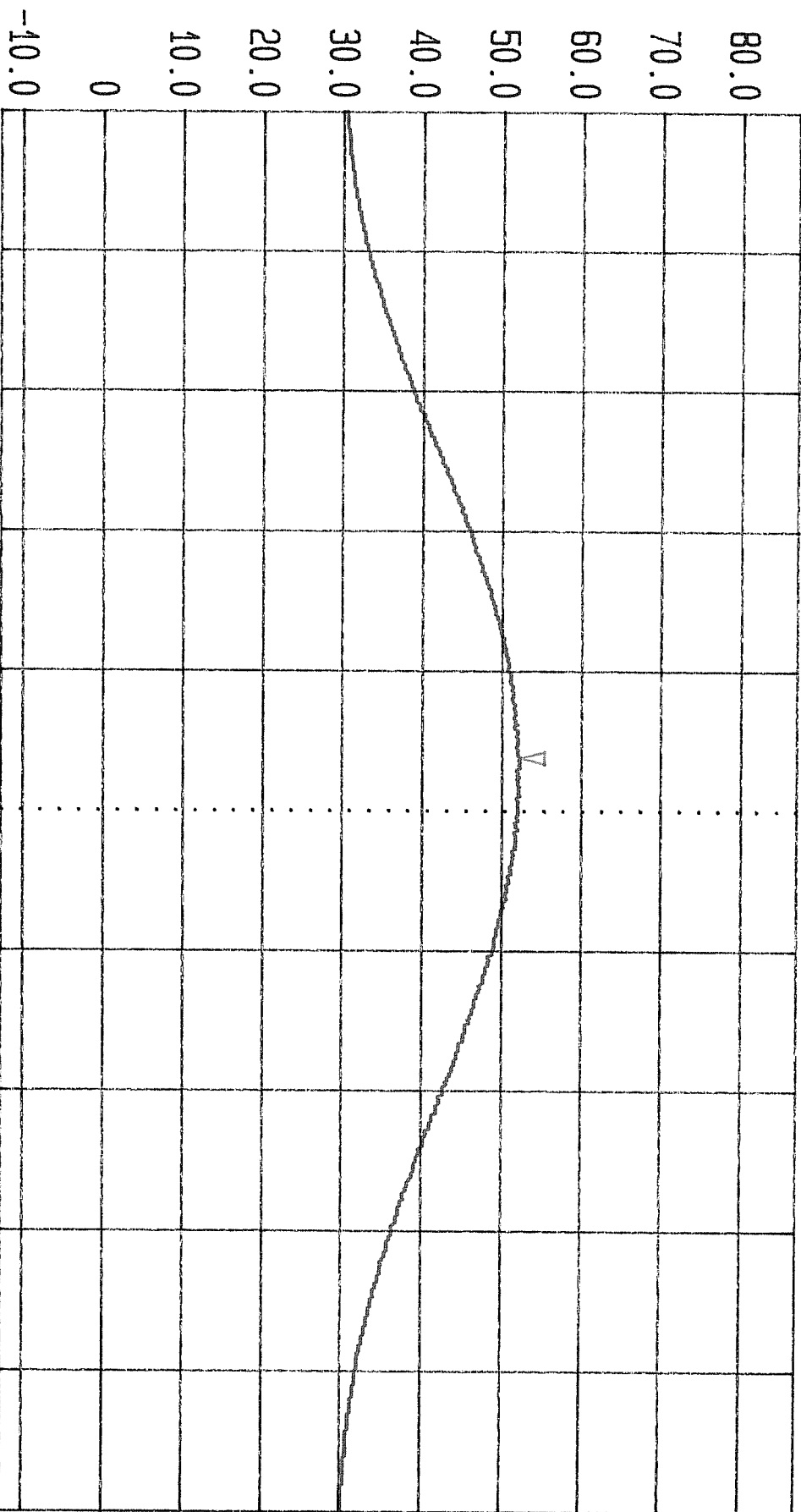


Date 19.May.'04 Time 12:37:53 Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
Ref.Lvl 87.00 dBμV Marker 55.03 dBμV CF.Lvl 16.Lvl off RF.Att 10 dB
Unit [dBμV]





Date 19.May.'04 Time 12:41:38 Res.Bw 1.0 MHz [3dB] Vid.Bw 10 Hz
Ref.Lvl 87.00 dBμV Marker 52.32 dBμV CF.Lvl 16.Lvl off RF.Att 10 dB
Unit [dBμV]



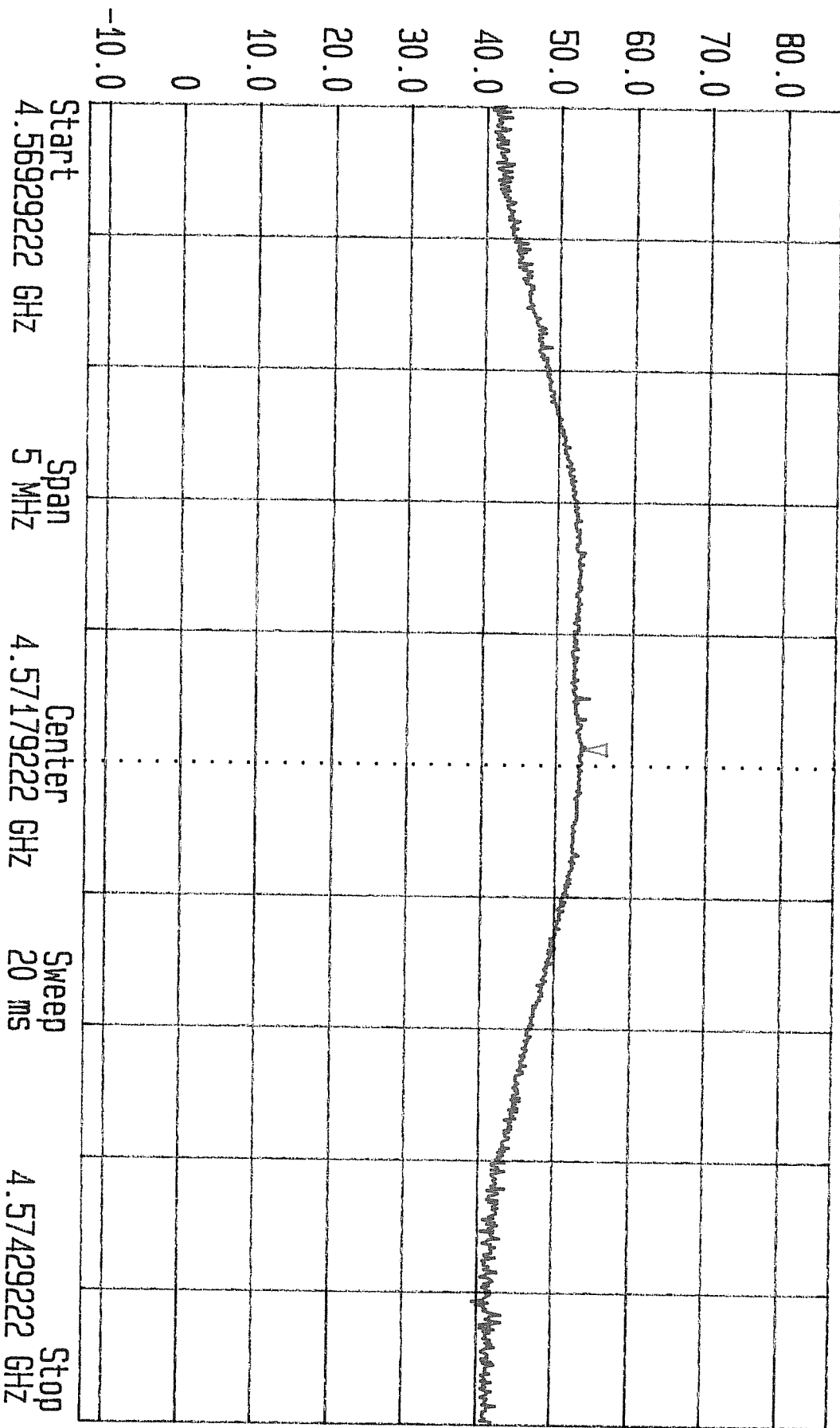
Start 3.654813332 GHz Span 5 MHz Center 3.657313332 GHz Sweep 7.6 s Stop 3.659813332 GHz



Date 19.May.'04 Time 13:17:37
Ref.Lvl 87.00 dBμV Marker 53.82 dBμV
4.571736 GHz

Res.Bw 1.0 MHz [3dB]
TG.Lvl off
CF.Stp 914.740 MHz

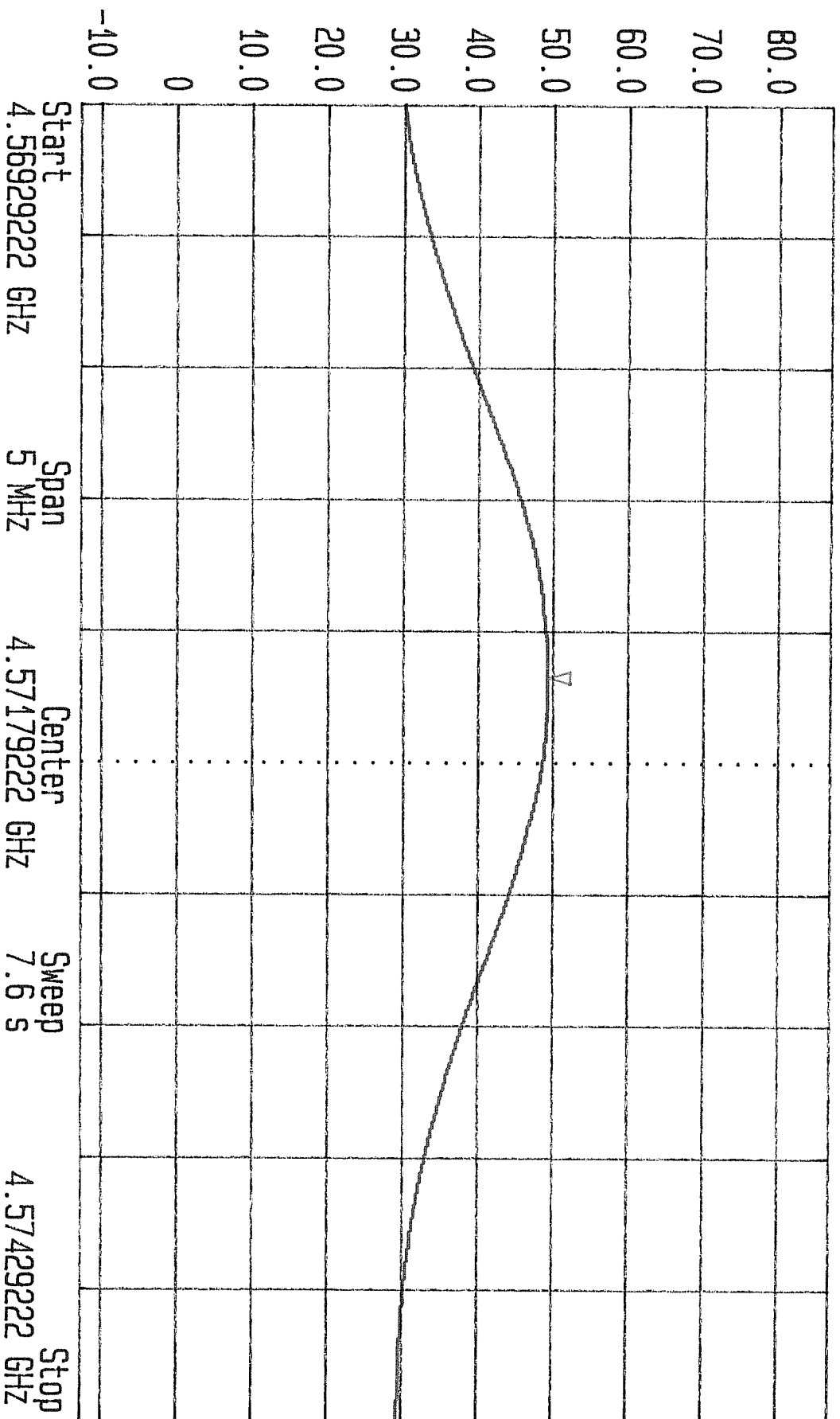
Vid.Bw 1 MHz
RF.Att Unit 10 dB
[dBμV]





Date 19.May.'04 Time 13:20:52
Ref.Lvl 87.00 dBμV Marker 49.40 dBμV
4.571475 GHz

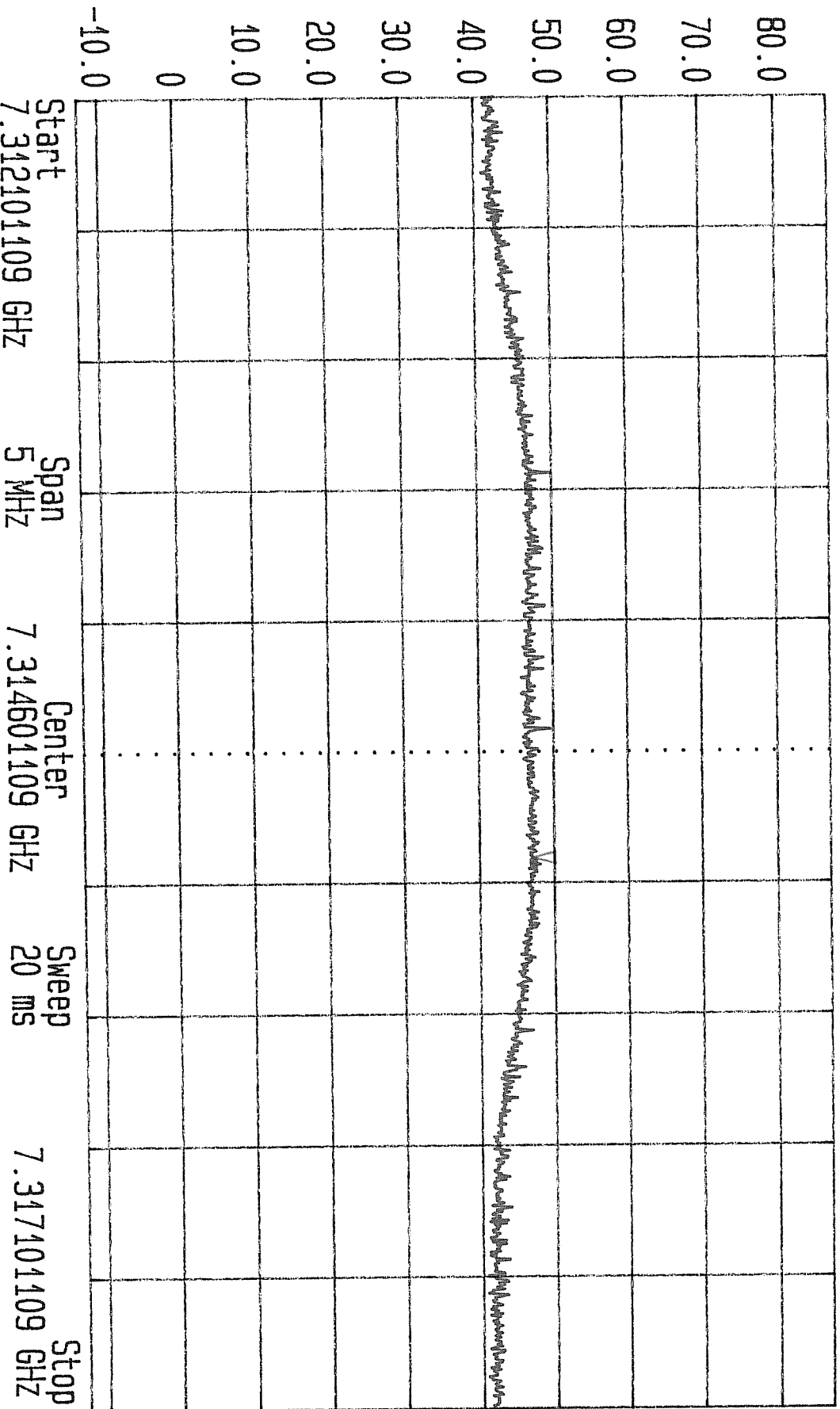
Res.Bw 1.0 MHz [3dB]
TG.Lvl off
CF.Stp 914.740 MHz
Vid.Bw 10 Hz
RF.Att Unit [dBμV]





Date 19.May.'04 Time 12:55:22
Ref.Lvl 87.00 dBμV Marker 47.21 dBμV
7.315006 GHz

Res.Bw 1.0 MHz [3dB]
16.Lvl off
CF.Stp 914.740 MHz
Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBμV]



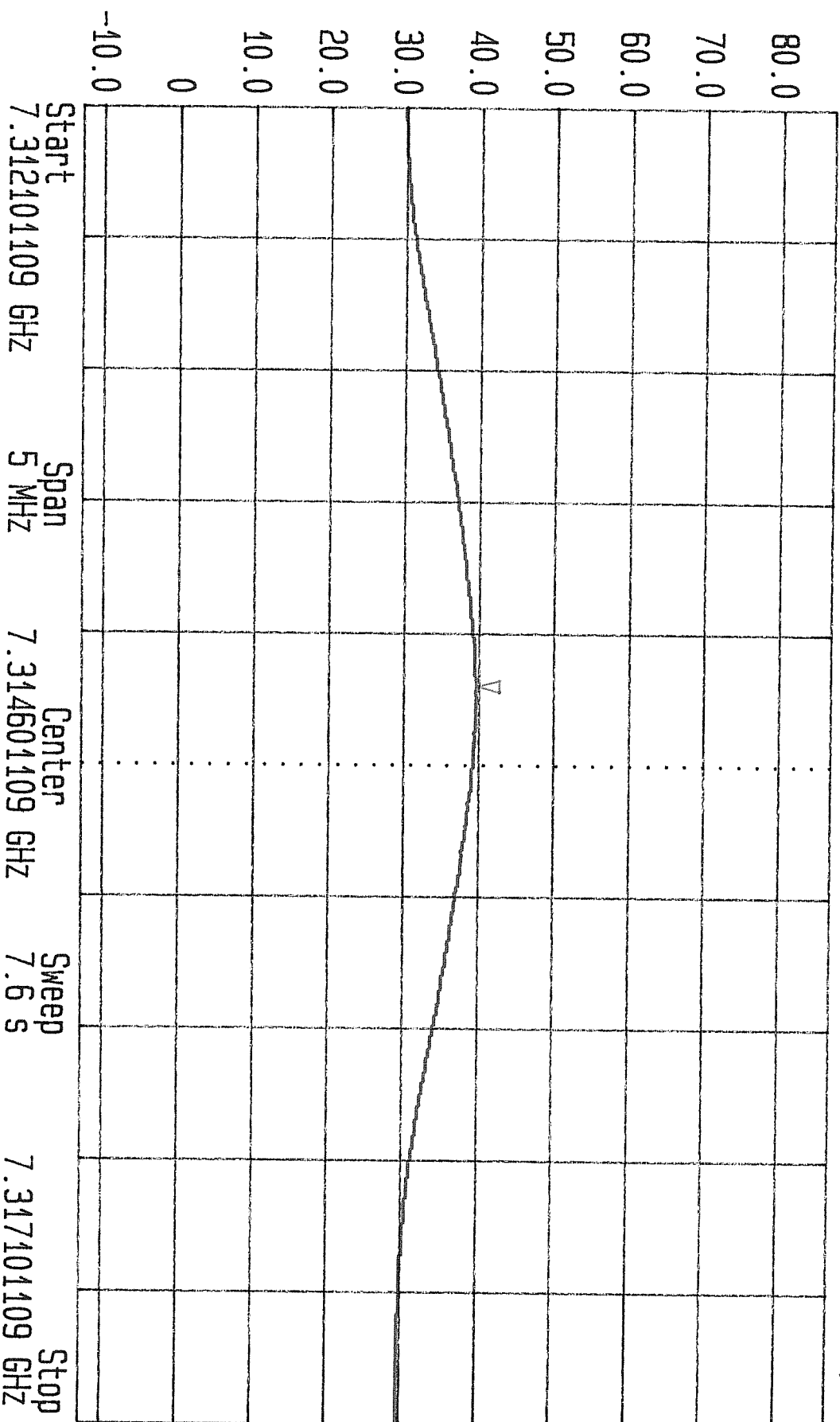


Date 19.May.'04 Time 12:58:39
Ref.Lvl 87.00 dBμV Marker 39.80 dBμV
7.314306 GHz

Res.Bw 1.0 MHz [3dB]
TG.Lvl 16.Lvl
CF.Stp

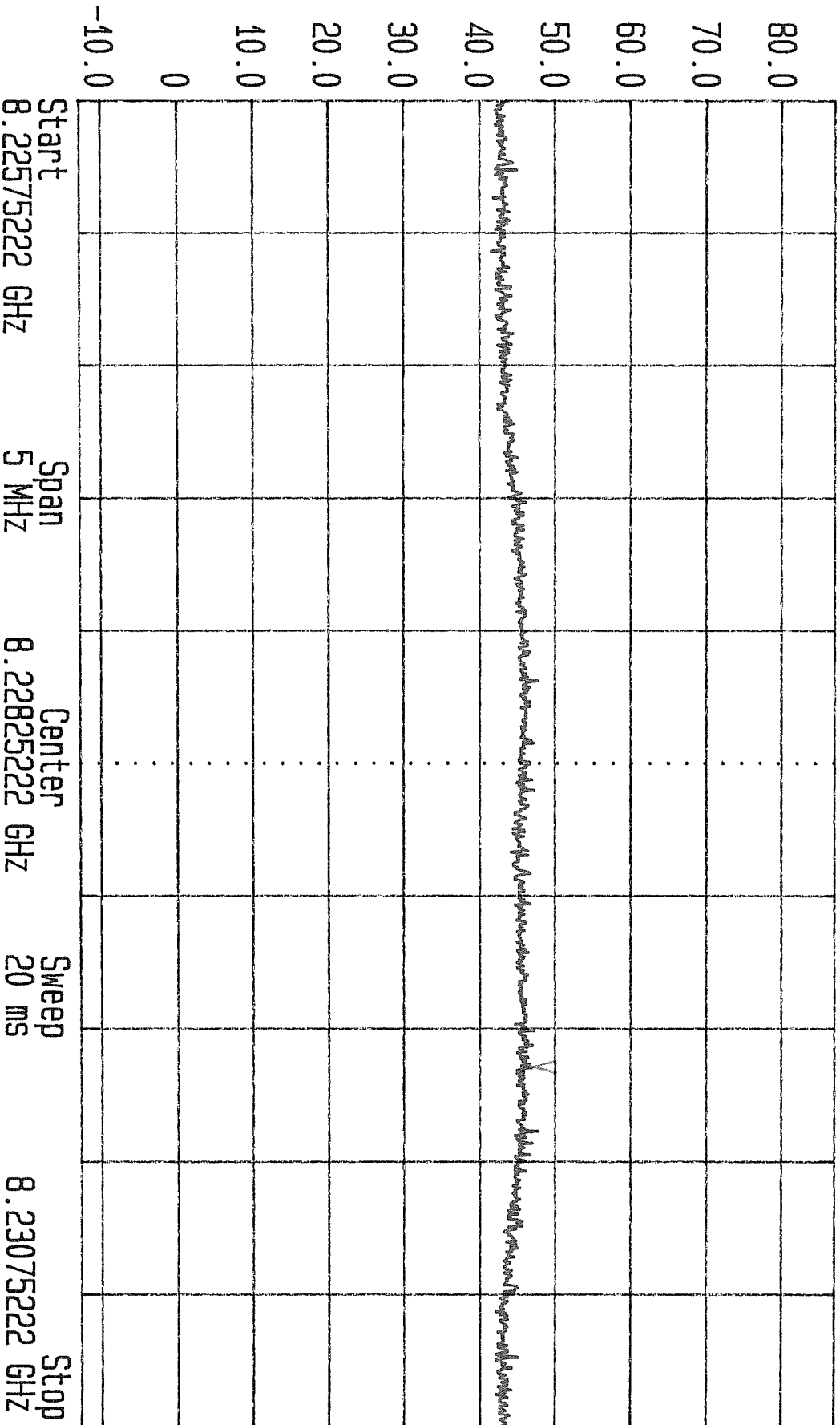
1.0 MHz [3dB]
off
914.740 MHz

Vid.Bw 10 Hz
RF.Att 10 dB
Unit [dBμV]



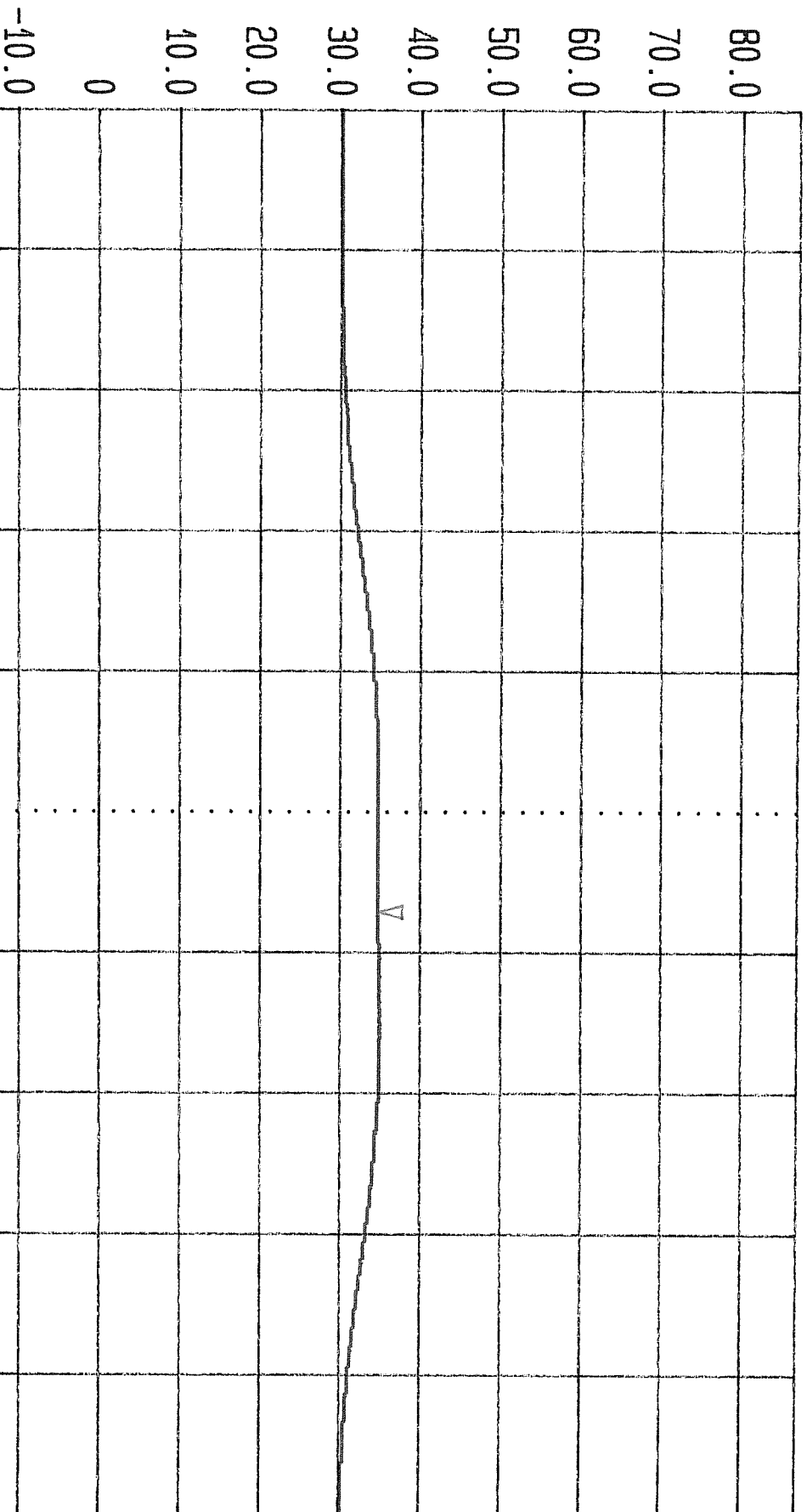


Date 19.May.'04 Time 13:02:53 Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
Ref.Lvl 47.21 dBuV Marker 8.229402 GHz CF.Stp 16.Lvl 1
87.00 dBuV 8.22575222 GHz 914.740 MHz off RF.Att 10 dB
Unit [dBuV]





Date 19.May.'04 Time 13:06:25 Res.Bw 1.0 MHz [3dB] Vid.Bw 10 Hz
Ref.Lvl 35.00 dBμV Marker 8.228613 GHz T6.Lvl off RF.Att 10 dB
87.00 dBμV CF.Stp 914.740 MHz Unit [dBμV]



Start 8.22575222 GHz Span 5 MHz Center 8.22825222 GHz Sweep 7.6 s Stop 8.23075222 GHz



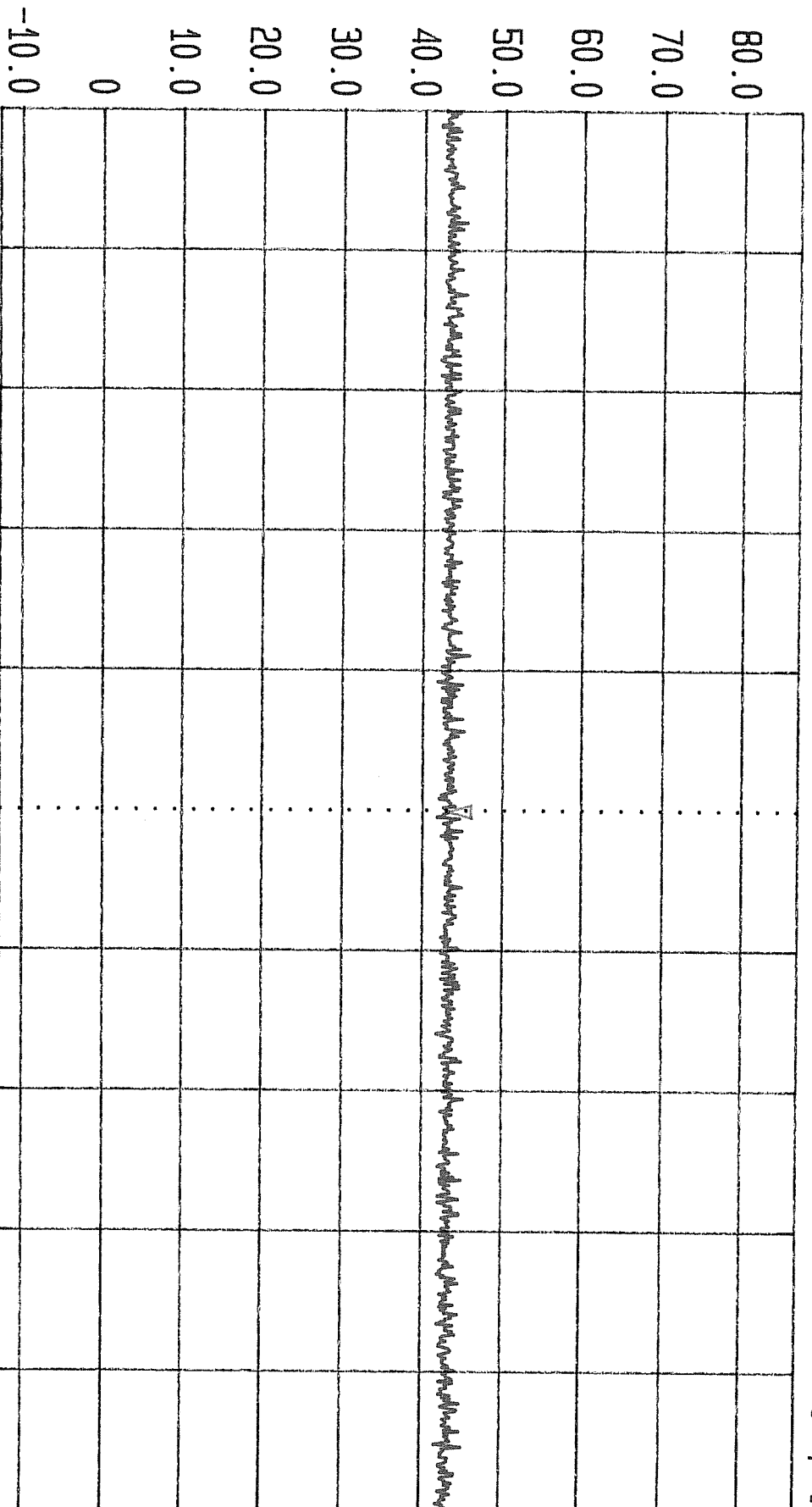
Date 19.May.'04 Time 13:09:39
Ref.Lvl 87.00 dBμV Marker 43.33 dBμV
9.143003 GHz

Res.Bw 1.0 MHz [3dB]
TG.Lvl
CF.Stp

off
914.740 MHz

Vid.Bw 1 MHz
RF.Att
Unit

10 dB
[dBμV]



Start
9.14049222 GHz

Span
5 MHz

Center
9.14299222 GHz

Sweep
20 ms

Stop
9.14549222 GHz

High Channel