

FCC Part 15.247 Certification **Test Report**

FCC ID: R32-RFM100

FCC Rule Part: 15.247

ACS Report Number: 04-0096-15C

Manufacturer: Onity, Inc.
Equipment Type: Modular Radio
Model: RFM100

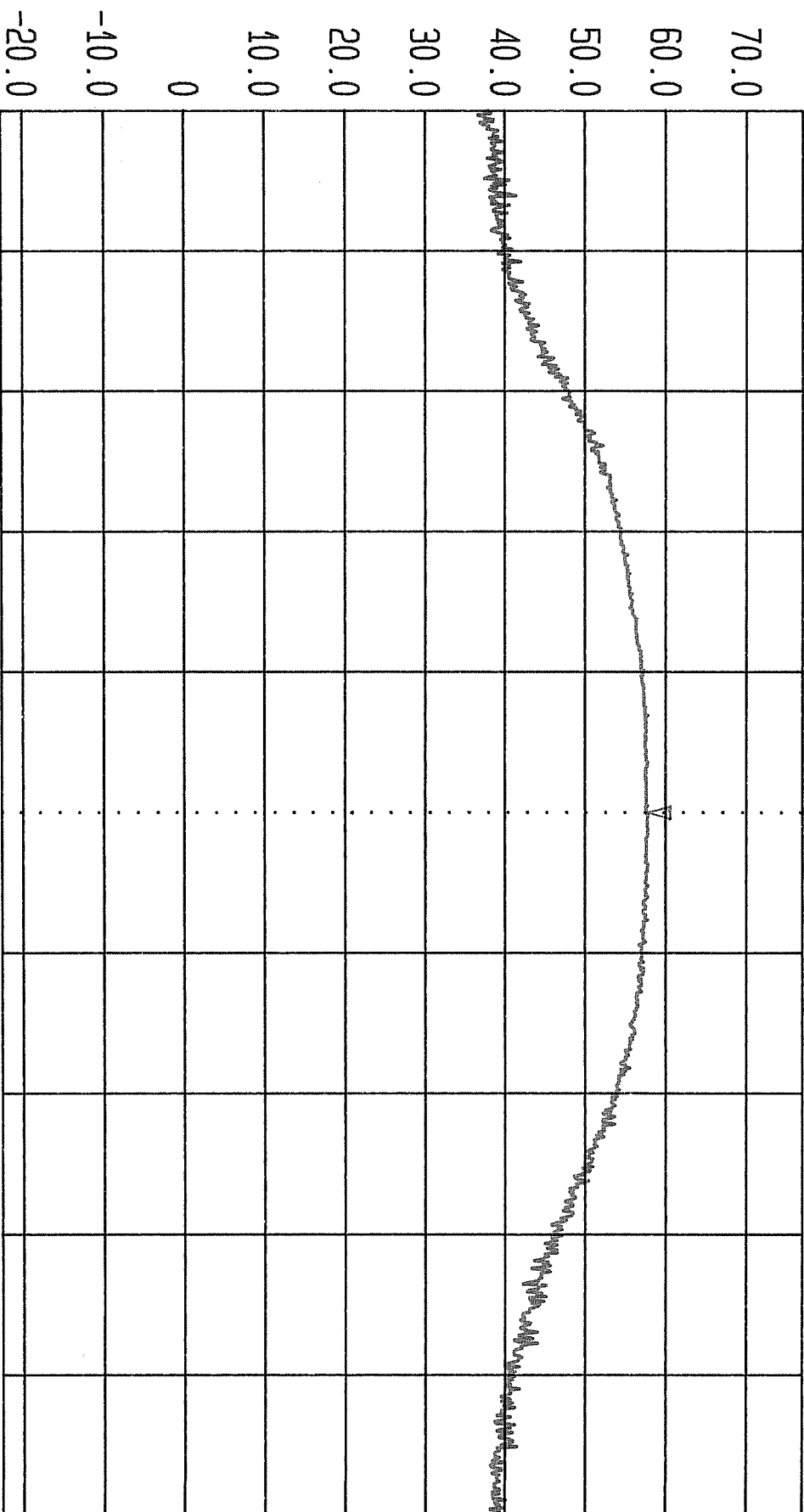
Radiated Spurious Emissions

Radiated Spurious Emissions

High Channel



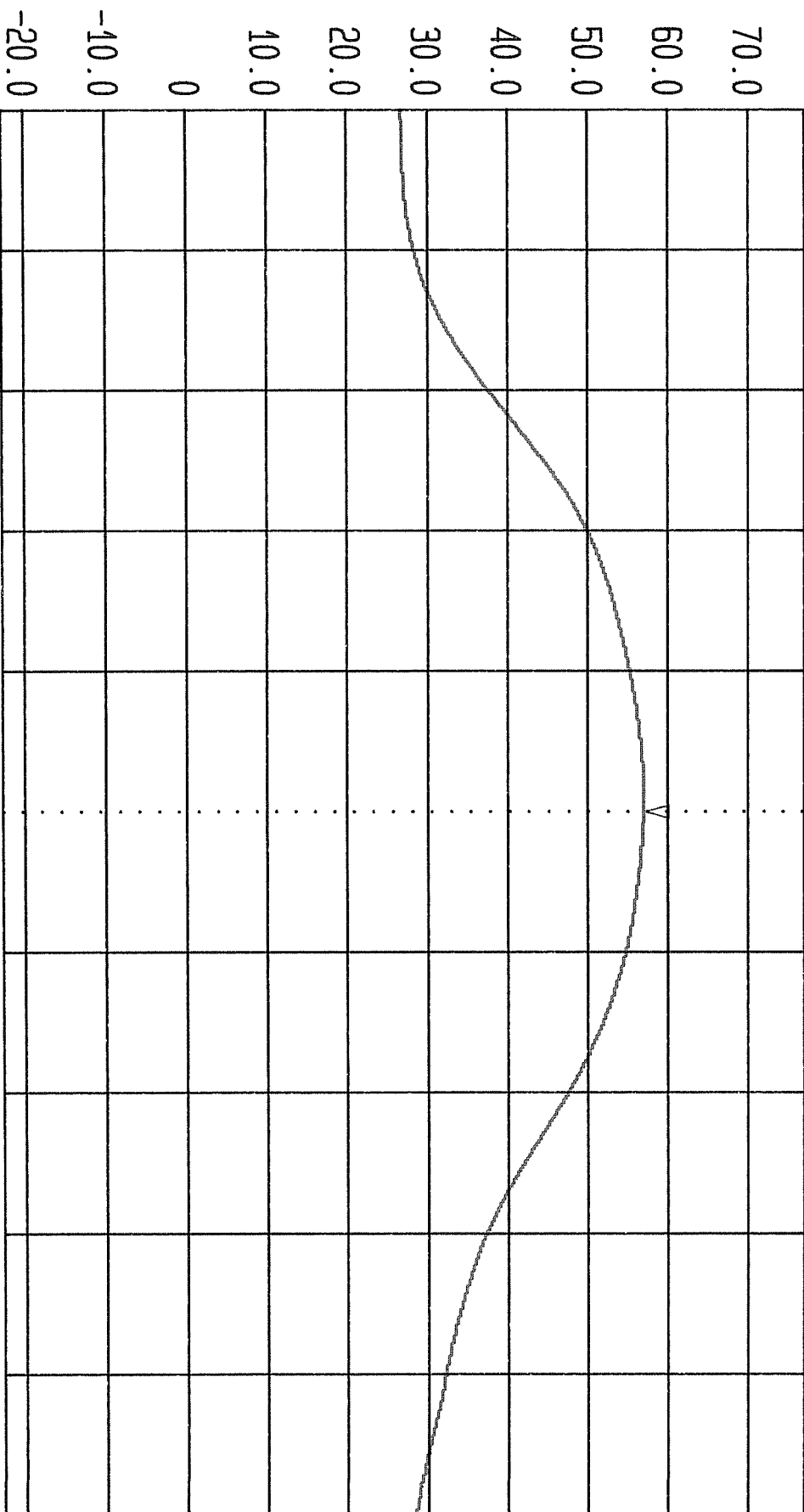
Date 04.Mar.'87 Time 15:23:30 Res.Bw 1 MHz [imp]
Ref.Lvl 77.00 dBμV Marker 57.60 dBμV TG.Lvl off Vid.Bw 1 MHz
CF.Stp 2.774524 GHz 300.000 KHz RF.Att 10 dB
Unit [dBμV]



[FI]



Date 04.Mar.'87 Time 15:27:08 Res.Bw 10 Hz
Ref.Lvl 77.00 dBμV Marker 57.05 dBμV CF.Stp 16.Lvl 10 dB
1 MHz [imp] off Vid.Bw 10 Hz
300.000 KHz RF.Att Unit [dBμV]

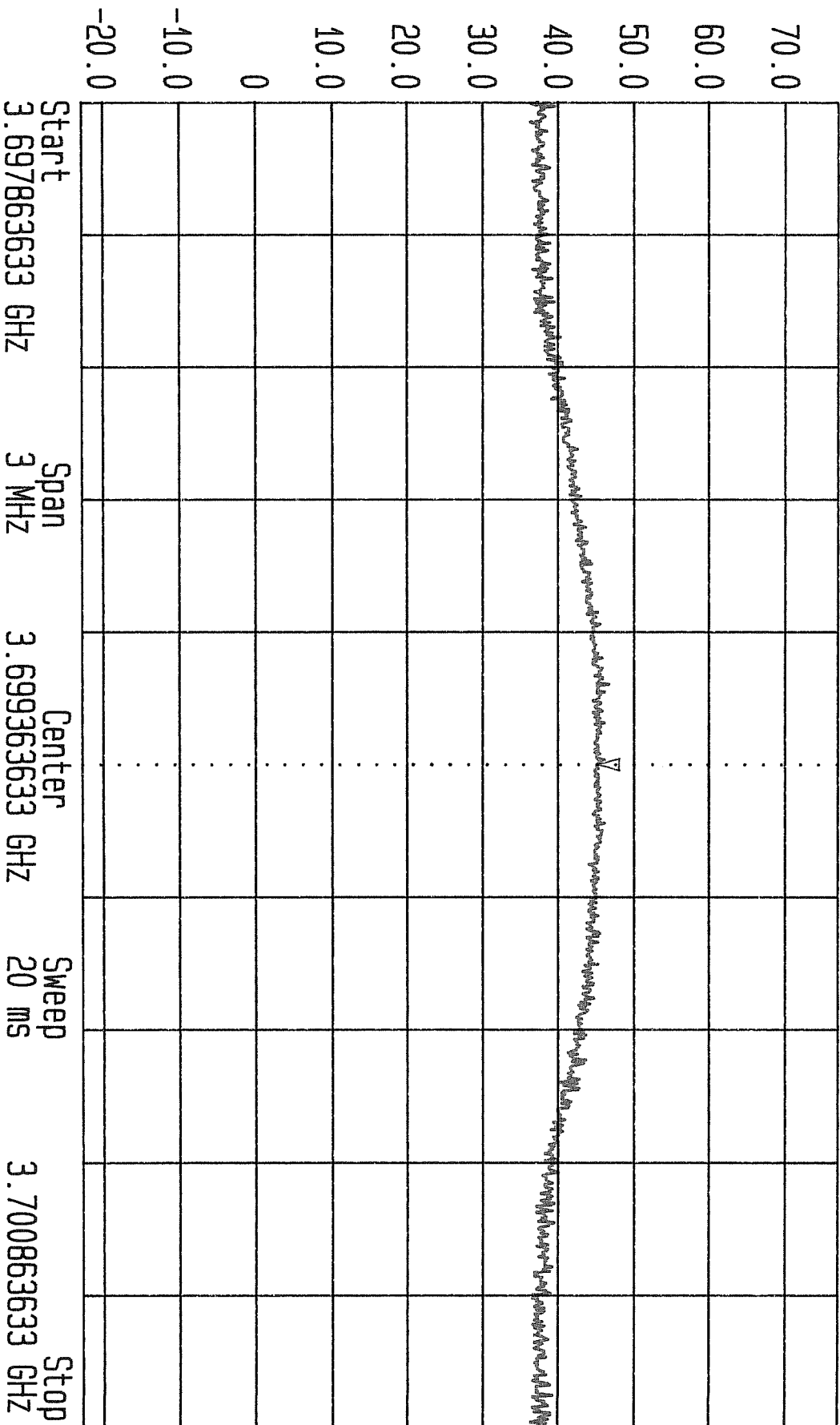


FI



Date 04.Mar.'87 Time 15:39:58
Ref.Lvl 77.00 dBuV Marker 45.11 dBuV
3.699363 GHz

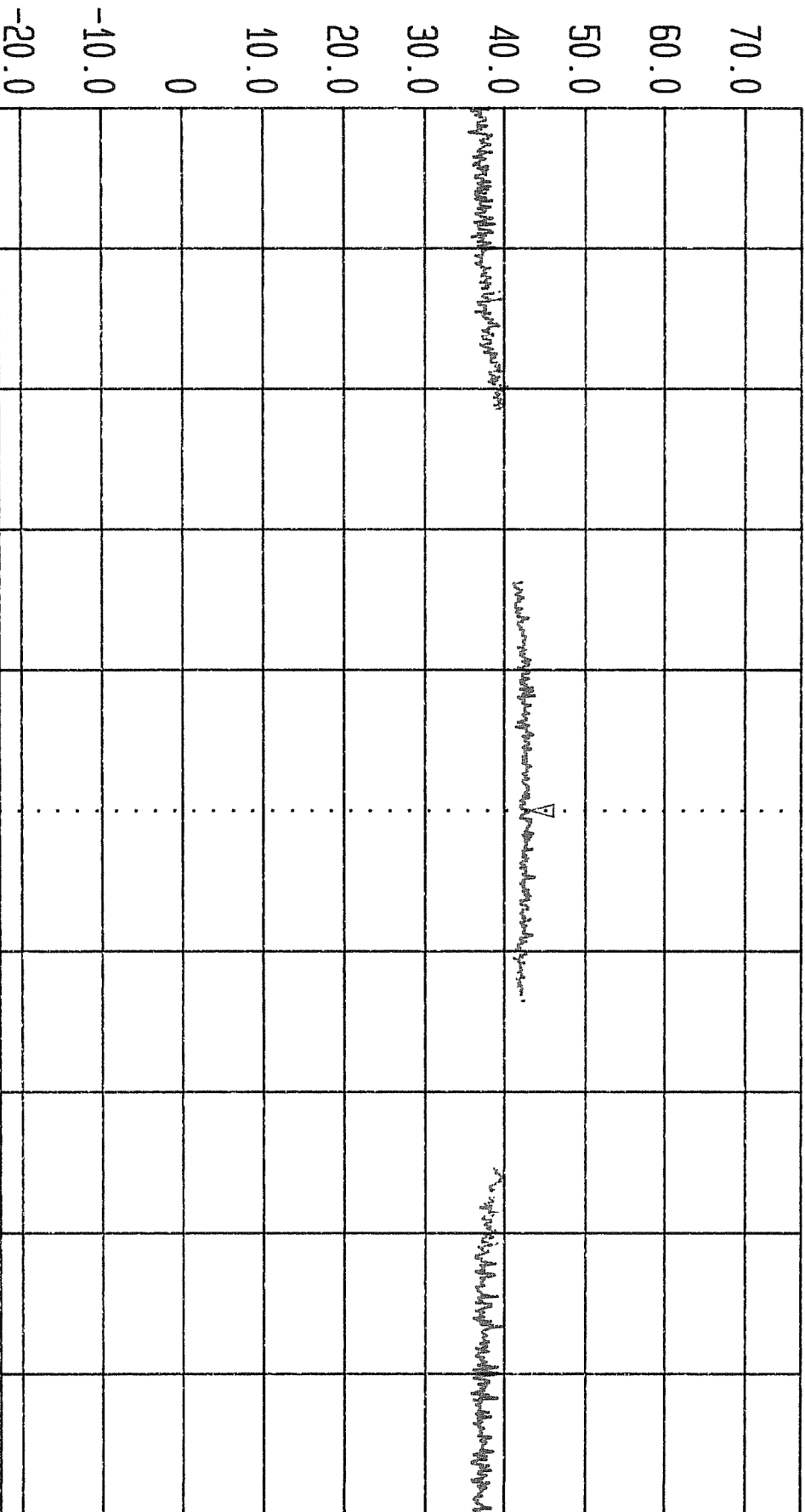
Res.Bw 1 MHz [imp]
16.Lvl 1
CF.Stp off
Vid.Bw 1 MHz
300.000 KHz
RF.Att 10 dB
Unit [dBuV]



FI



Date 04.Mar.'87 Time 15:46:41 Res.Bw 1 MHz [imp]
Ref.Lvl 77.00 dBuV Marker 43.33 dBuV CF.Stp 300.000 kHz off Vid.Bw 1 MHz
Unit [dBuV]

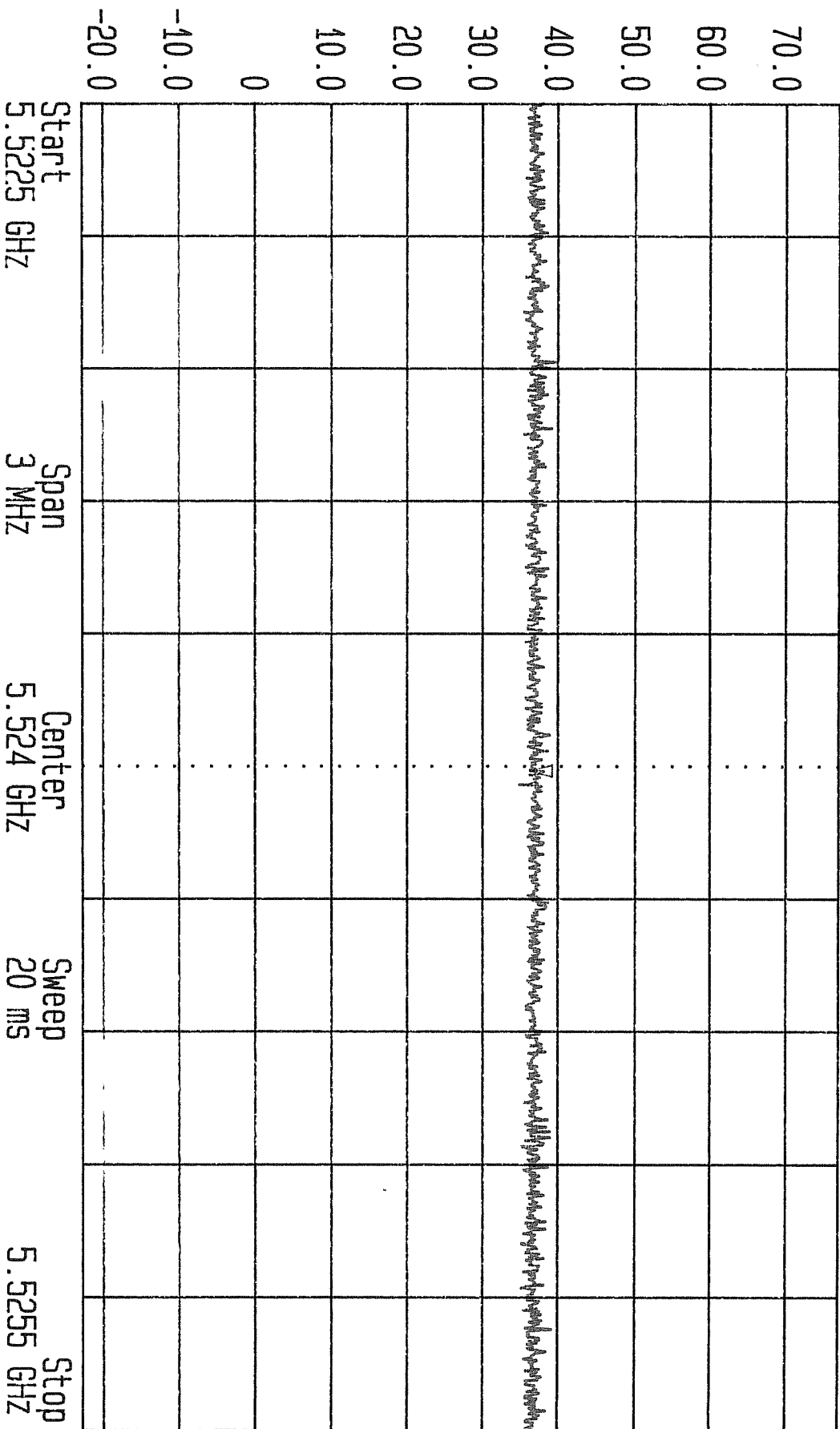


Start Span Center Sweep Stop
4.622780995 GHz 3 MHz 4.624280995 GHz 20 ms 4.625780995 GHz

FT



Date 04.Mar.'87 Time :5:54:58 Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
Ref.Lvl 77.00 dBμV Marker 36.30 dBμV TG.Lvl 1 RF:Att 10 dB
5.524010 GHz CF.Stp 300.000 KHz Unit [dBμV]



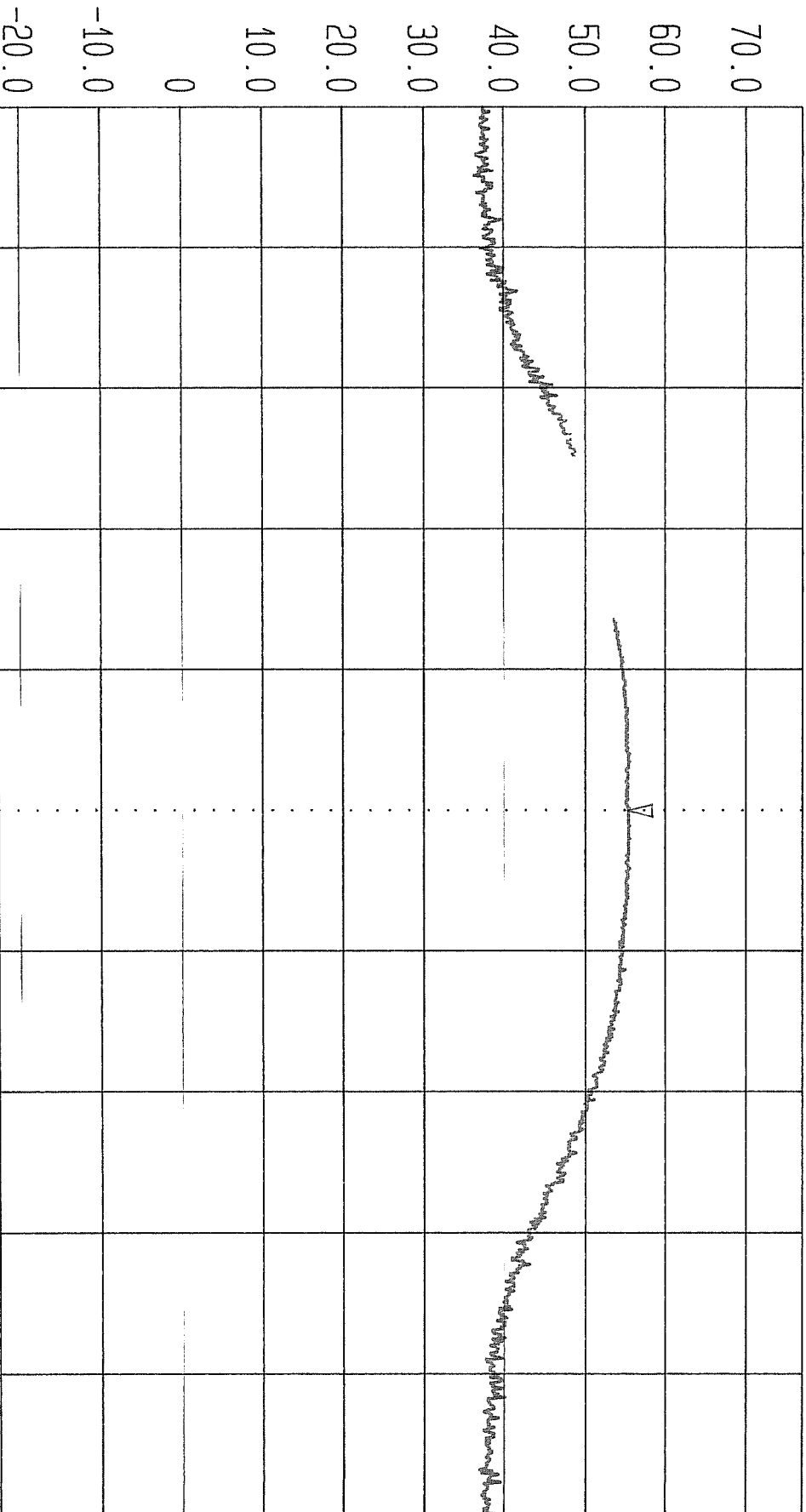
F--

Radiated Spurious Emissions

Mid Channel



Date 04.Mar.'87 Time 14:15:12 Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
Ref.Lvl 55.55 dBμV Marker 2.756509 GHz CF.Stp 300.000 kHz off RF.Att 10 dB
77.00 dBμV Unit [dBμV]

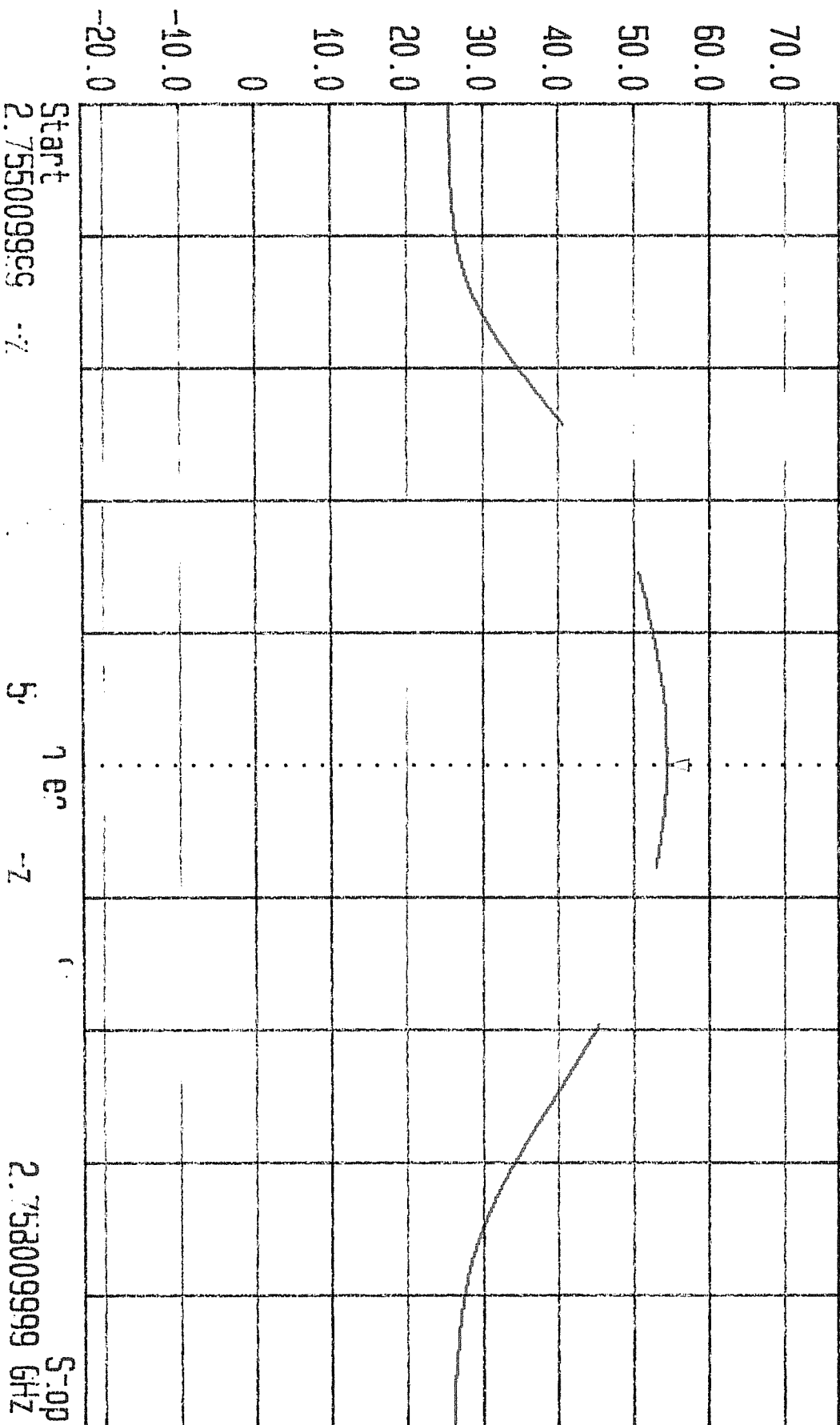


FI



Date 04.Mar.'87 Time 14:03:45
Ref.Lvl 77.00 dBuV
Marker 54.46 dBuV
2.756509 GHz

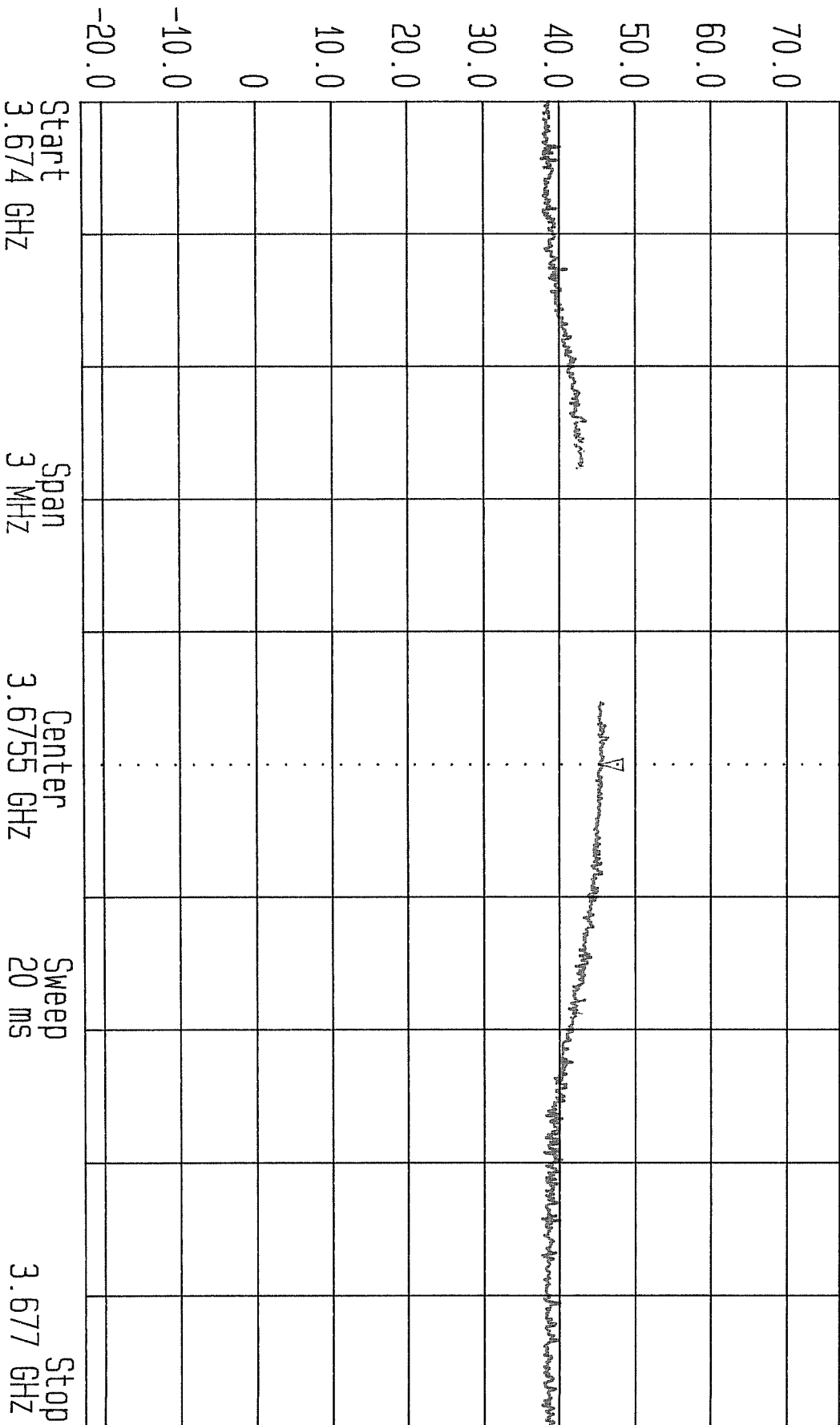
Res.Bw 1 MHz [imp]
16.Lvl off
CF.Stp 300.000 KHz
Vid.Bw 10 Hz
RF.Att 10 dB
Unit [dBuV]



[F1]



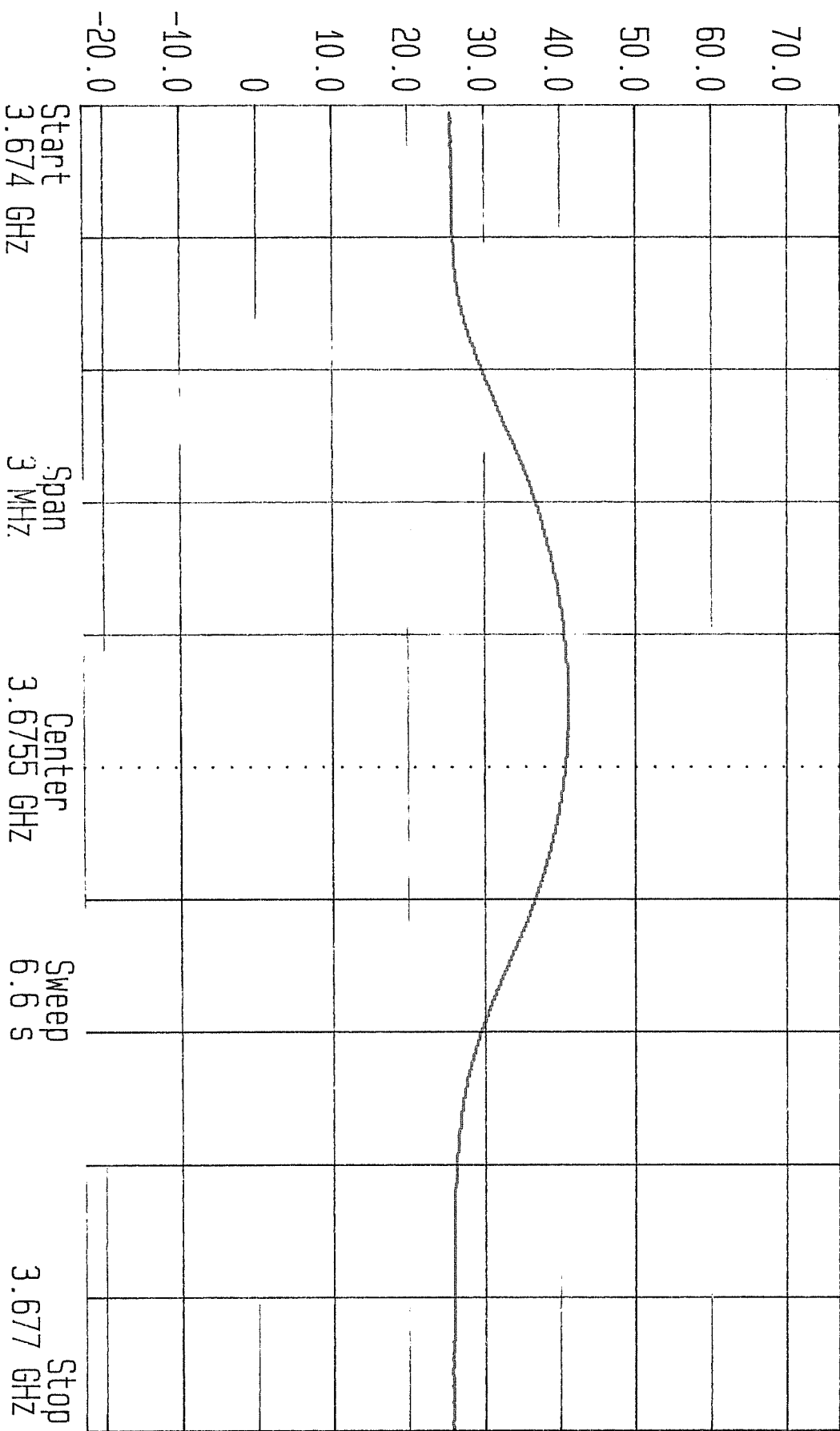
Date 04.Mar.'87 Time 14:24:36 Res.Bw 1 MHz [imp]
Ref.Lvl 77.00 dBμV Marker 45.54 dBμV TG.Lvl off Vid.Bw 1 MHz
3.675500 GHz CF.Stp 300.000 KHz RF.Att 10 dB
Unit [dBμV]



FI



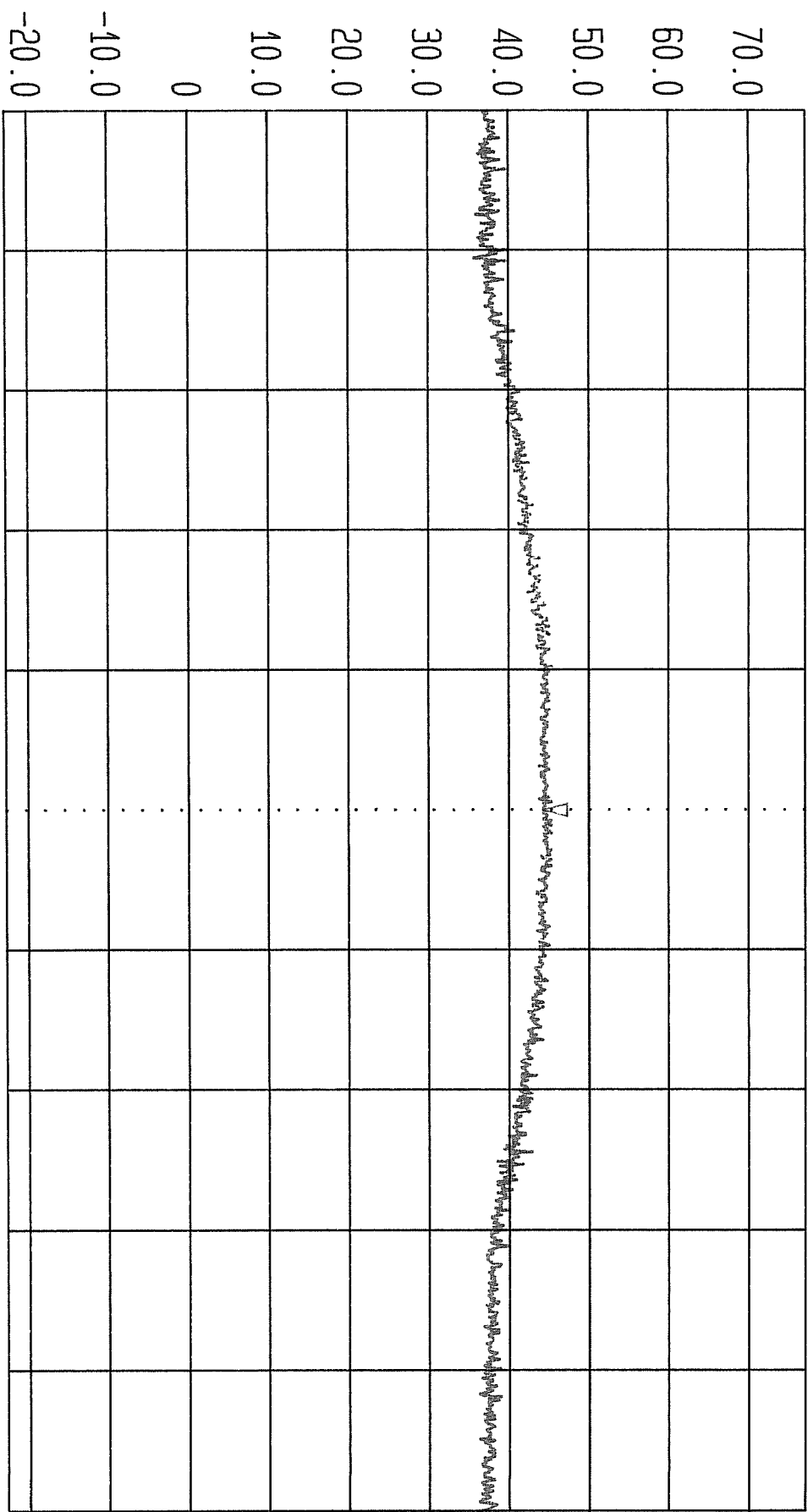
Date 04.Mar.'87 Time 15:27:55 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 77.00 dBμV Marker 40.74 dBμV TG.Lvl 16.Lvl off RF.Att Unit [dBμV]
3.675500 GHz CF.Stp 300.000 KHz



FI



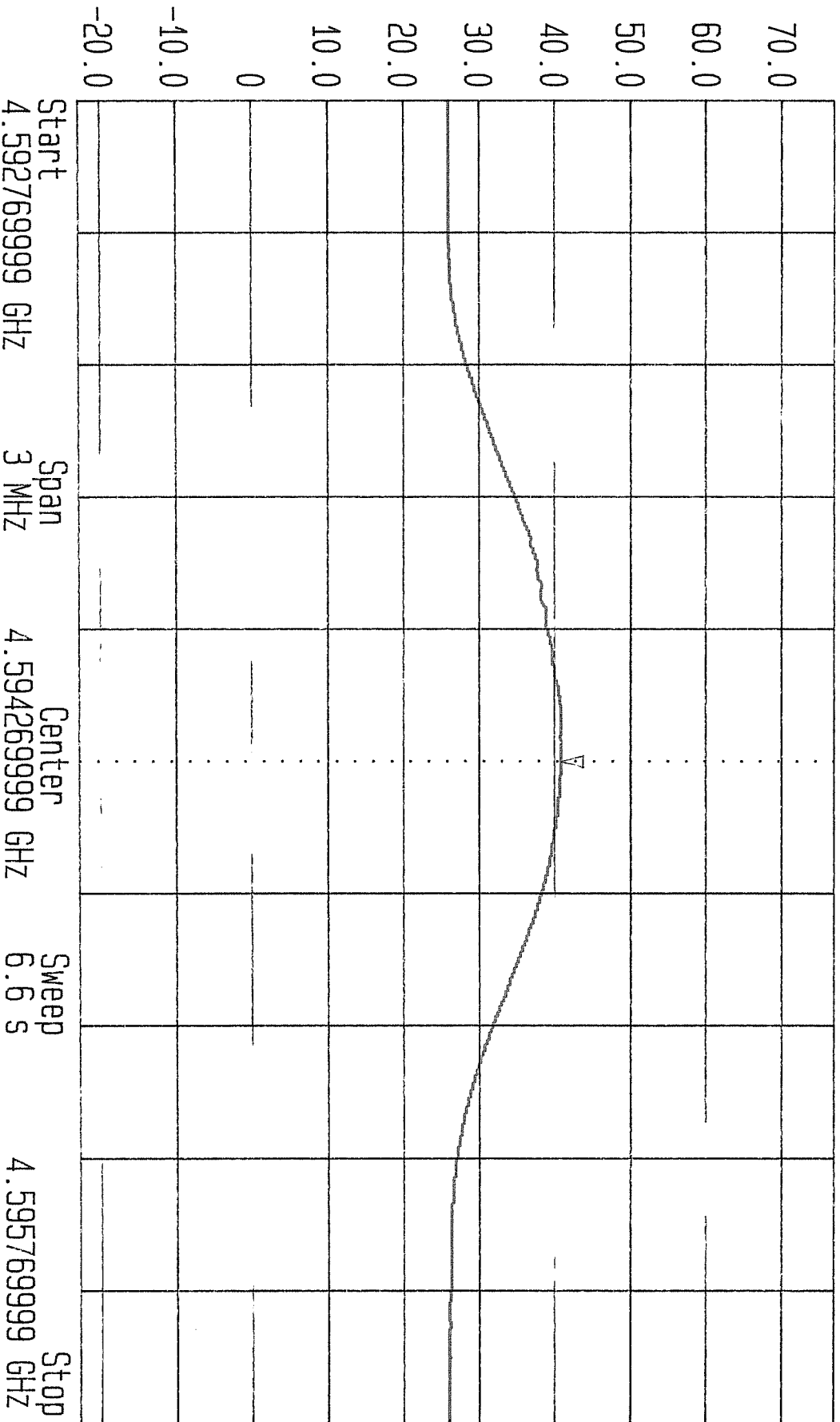
Date 04.Mar.'87 Time 14:36:05 Res.Bw 1 MHz [imp]
Ref.Lvl 77.00 dBuV Marker 44.30 dBuV CF.Stp 1 MHz
Vid.Bw 1 MHz
Unit [dBuV]



FI



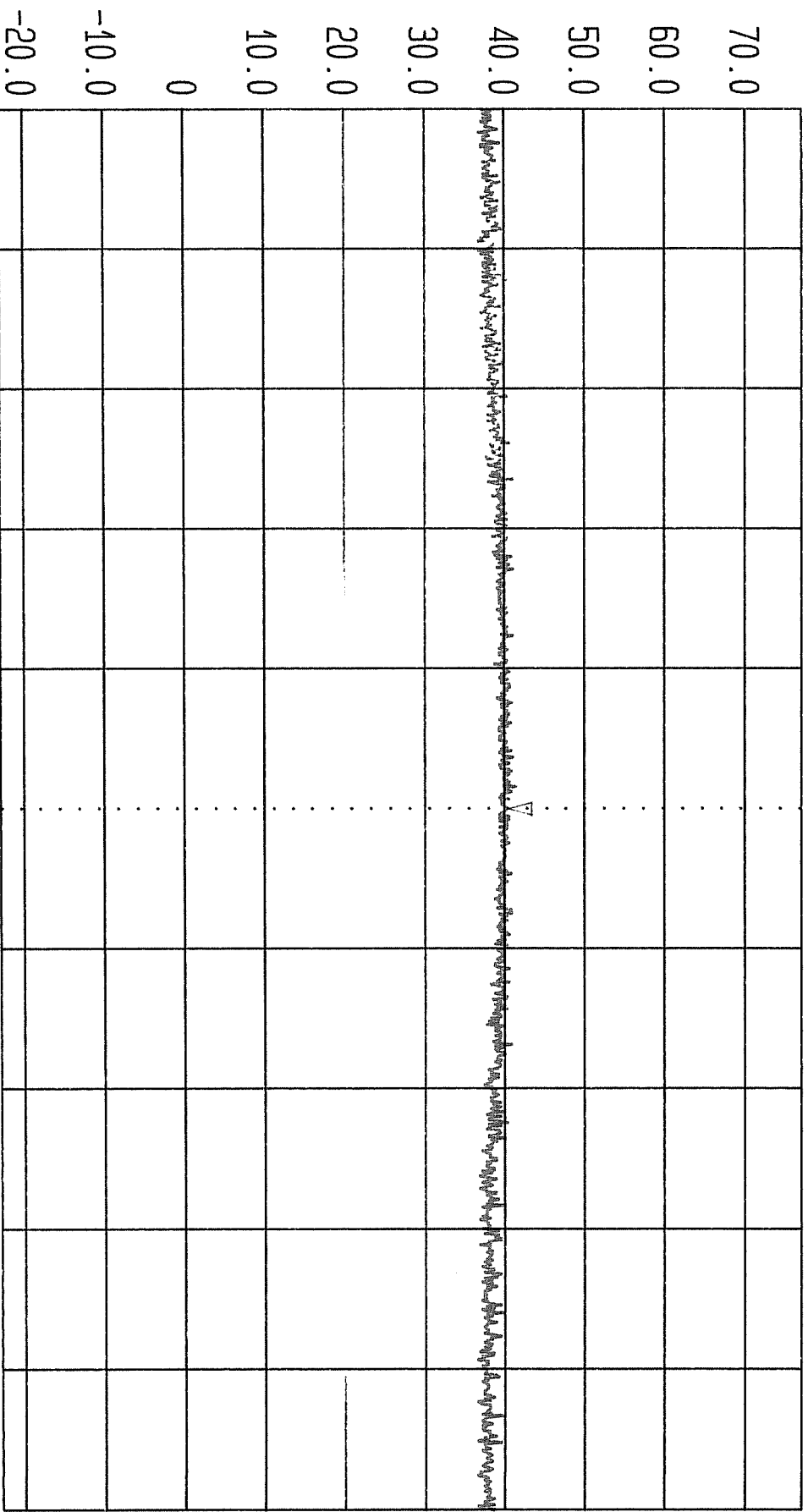
Date 04.Mar.'87 Time 14:39:41 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 40.92 dBuV Marker 4.594269 GHz TG.Lvl off RF.Att 10 dB
77.00 dBuV CF.Stp 300.000 kHz Unit [dBuV]



FI



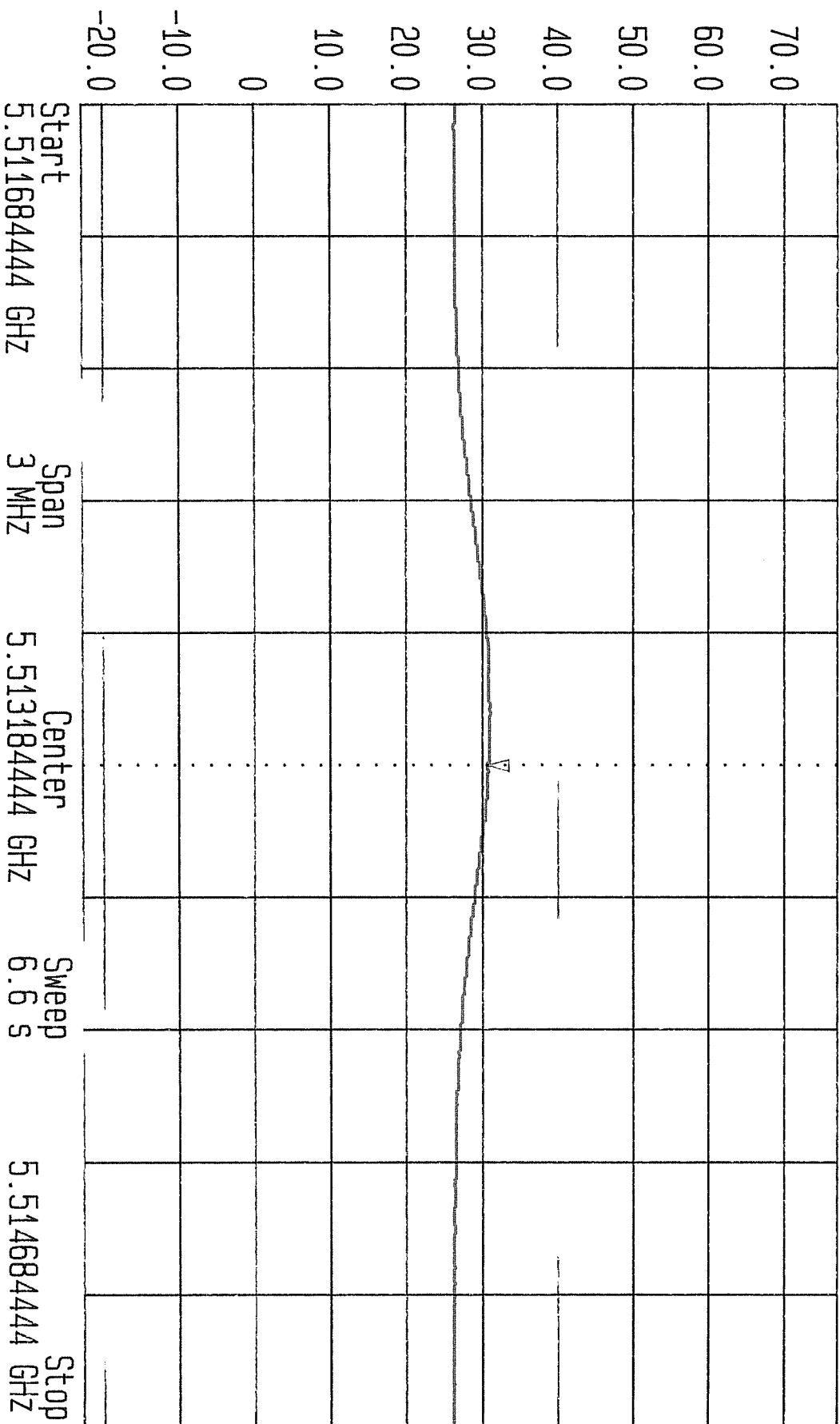
Date 04.Mar.'87 Time 14:48:02 Res.Bw 1 MHz [imp]
Ref.Lvl 40.44 dBuV Marker 5.513184 GHz CF.Stp 10 dB
77.00 dBuV 1 MHz [dBuV]
Vid.Bw 1 MHz
RF.Att Unit



Start 5.51168444 GHz Span 3 MHz Center 5.51318444 GHz Sweep 20 ms Stop 5.51468444 GHz



Date 04.Mar.'87 Time 14:52:48 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 30.86 dBuV TG.Lvl 1
Marker 5.513184 GHz CF.Stp off RF.Att 10 dB
77.00 dBuV 300.000 kHz Unit [dBuV]



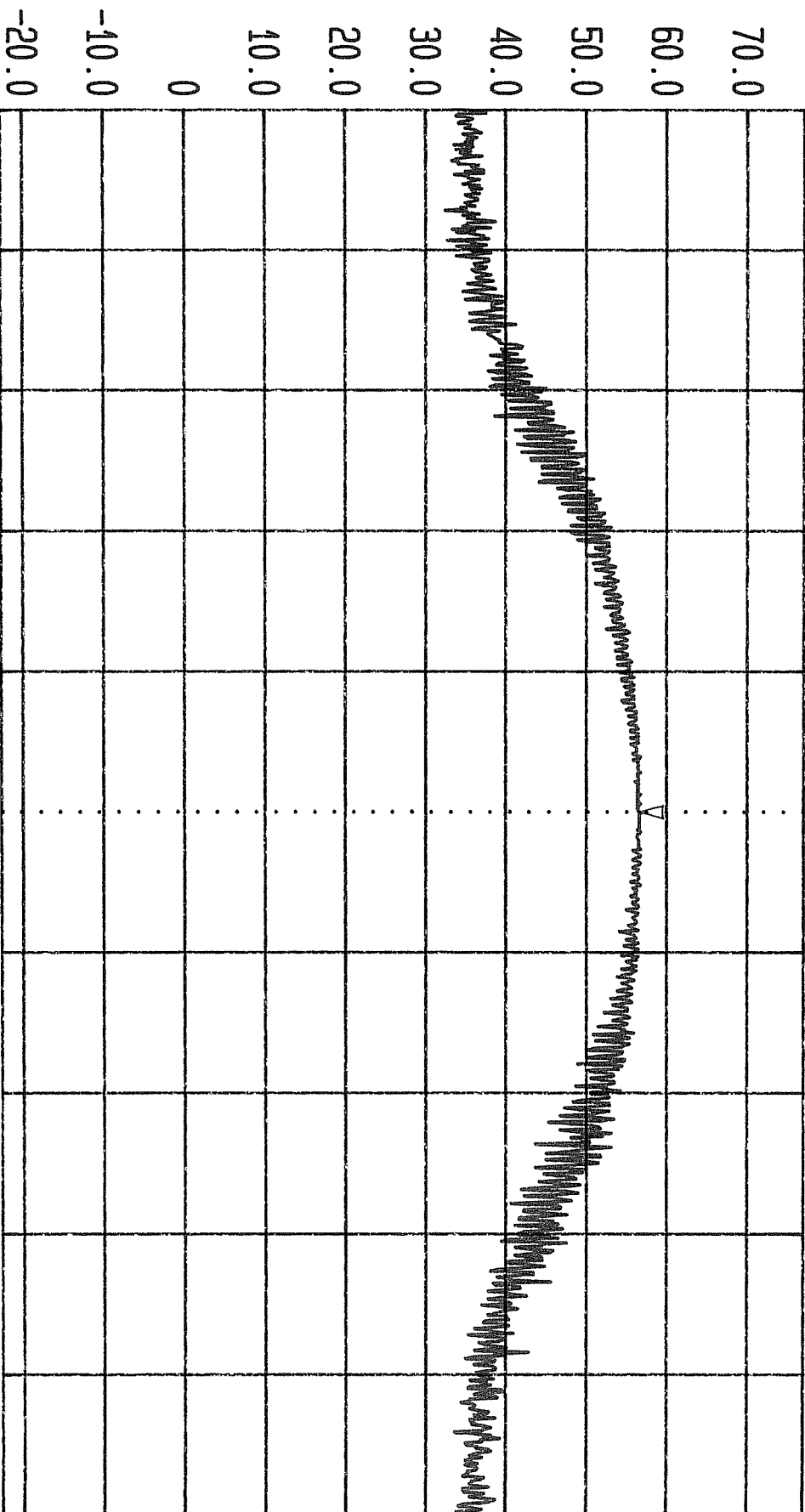
FI

Radiated Spurious Emissions

Low Channel



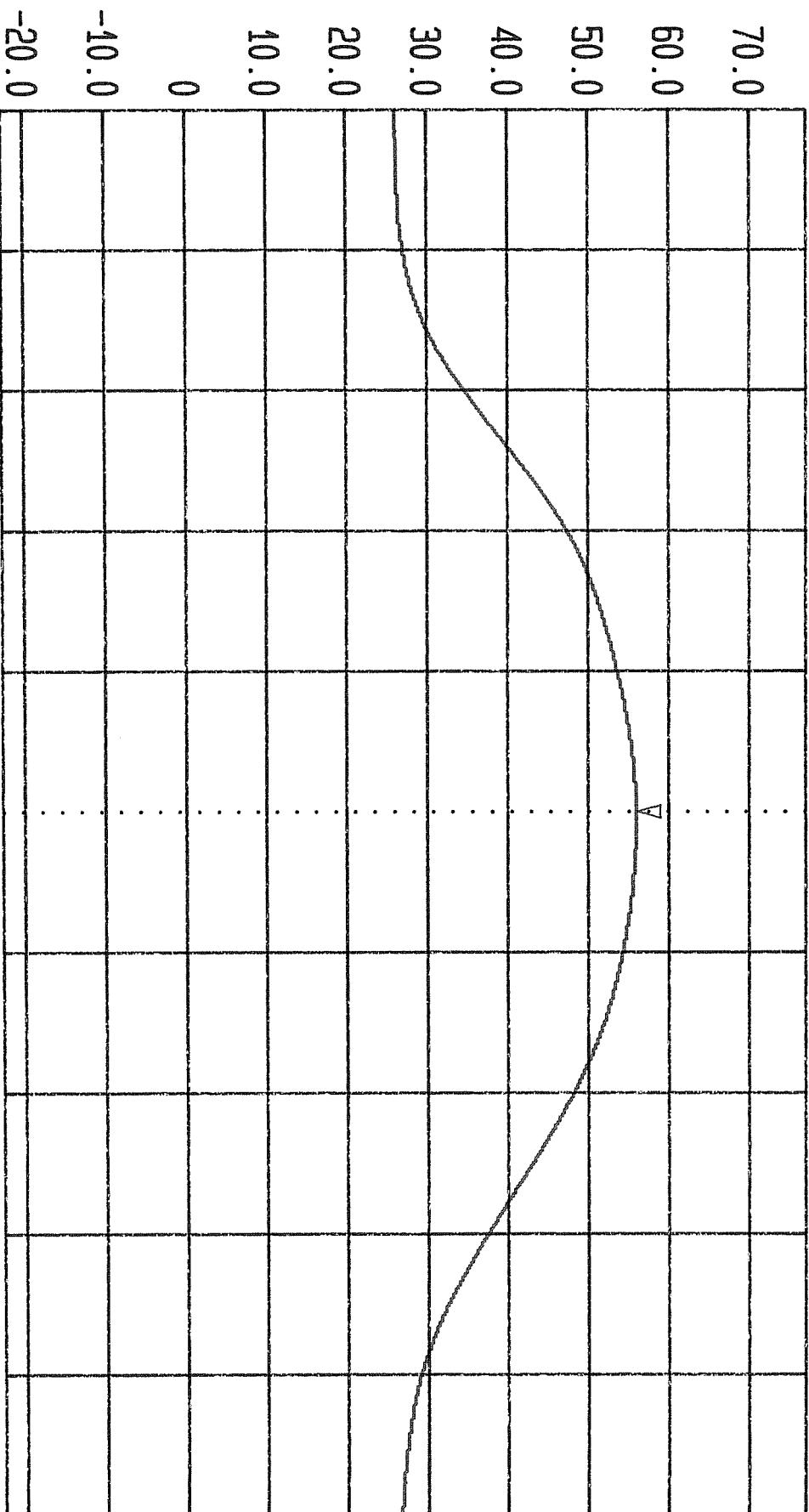
Date 04.Mar.'87 Time 11:19:38 Res.Bw 1 MHz [imp]
Ref.Lvl 77.00 dBuV Marker 56.49 dBuV CF.Stp 16.Lvl 1 Vid.Bw 1 MHz
Unit [dBuV]



[FI]



Date 04.Mar.'87 Time 11:23:38 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 77.00 dBμV Marker 56.03 dBμV TG.Lvl 10 dB
CF.Stp 300.000 kHz RF.Att Unit [dBμV]

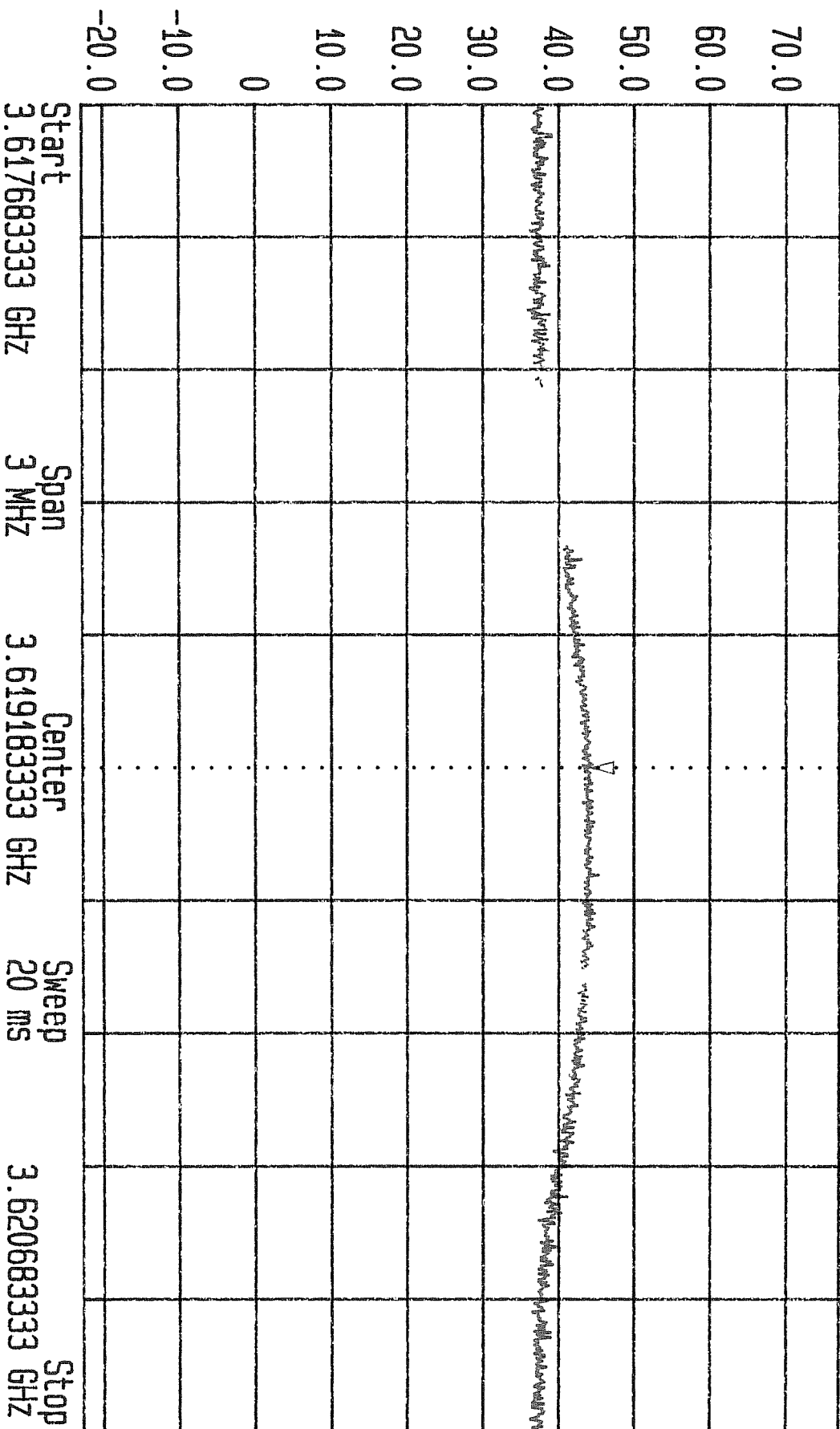


Start 2.71294444 GHz Span 3 MHz Center 2.71444444 GHz Sweep 6.6 s Stop 2.71594444 GHz

[FI]



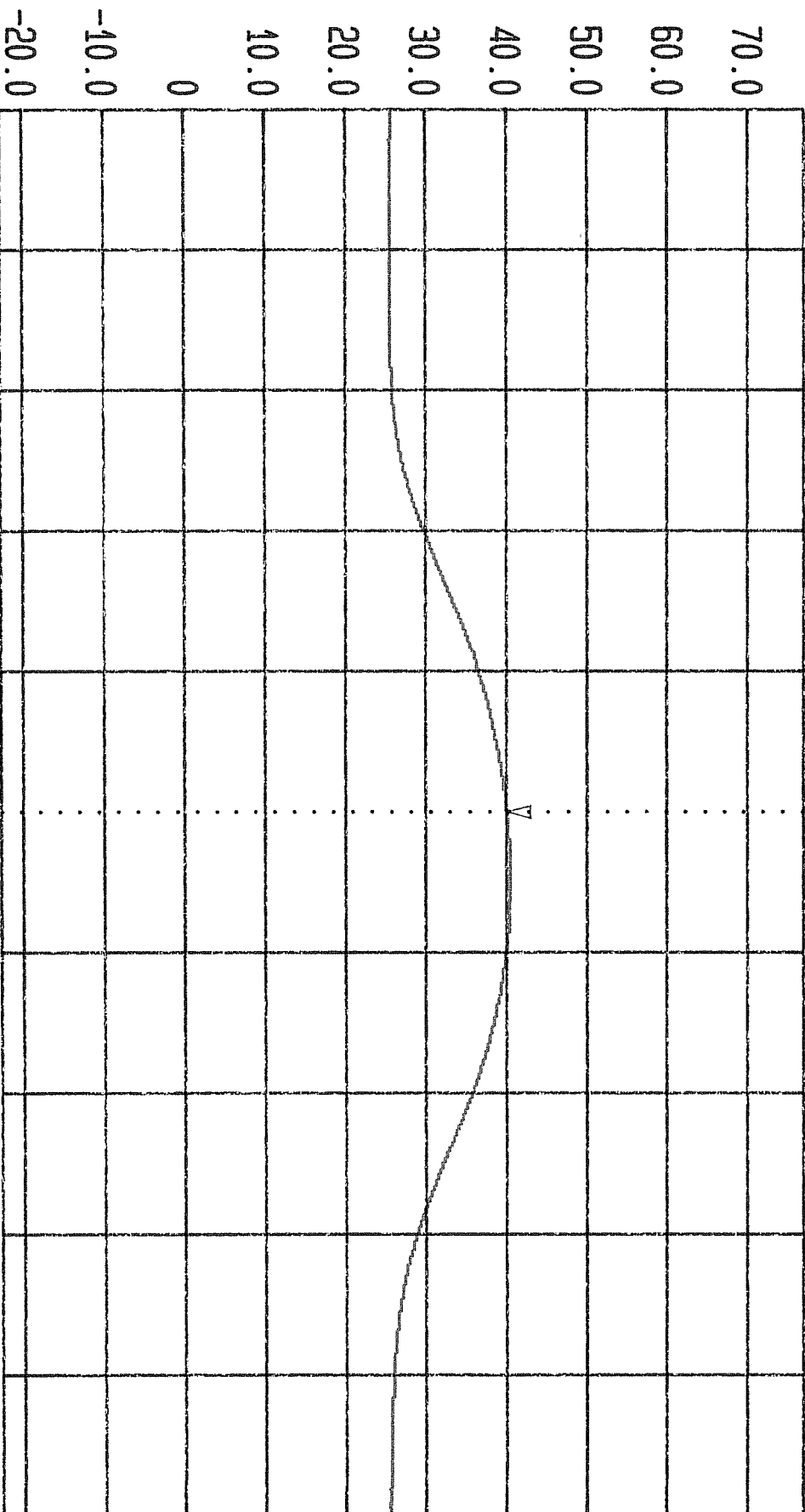
Date 04.Mar.'87 Time 13:42:09 Res.Bw 1 MHz [imp]
Ref.Lvl 77.00 dBuV Marker 44.40 dBuV CF.Stp 16.Lvl 1 MHz
Unit 300.000 kHz RF.Att 10 dB [dBuV]



FI



Date 04.Mar.'87 Time 13:56:39 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 77.00 dBμV Marker 40.34 dBμV T6.Lvl 16.Lvl 10 dB
3.619183 GHz CF.Stp 300.000 KHz off RF.Att Unit [dBμV]



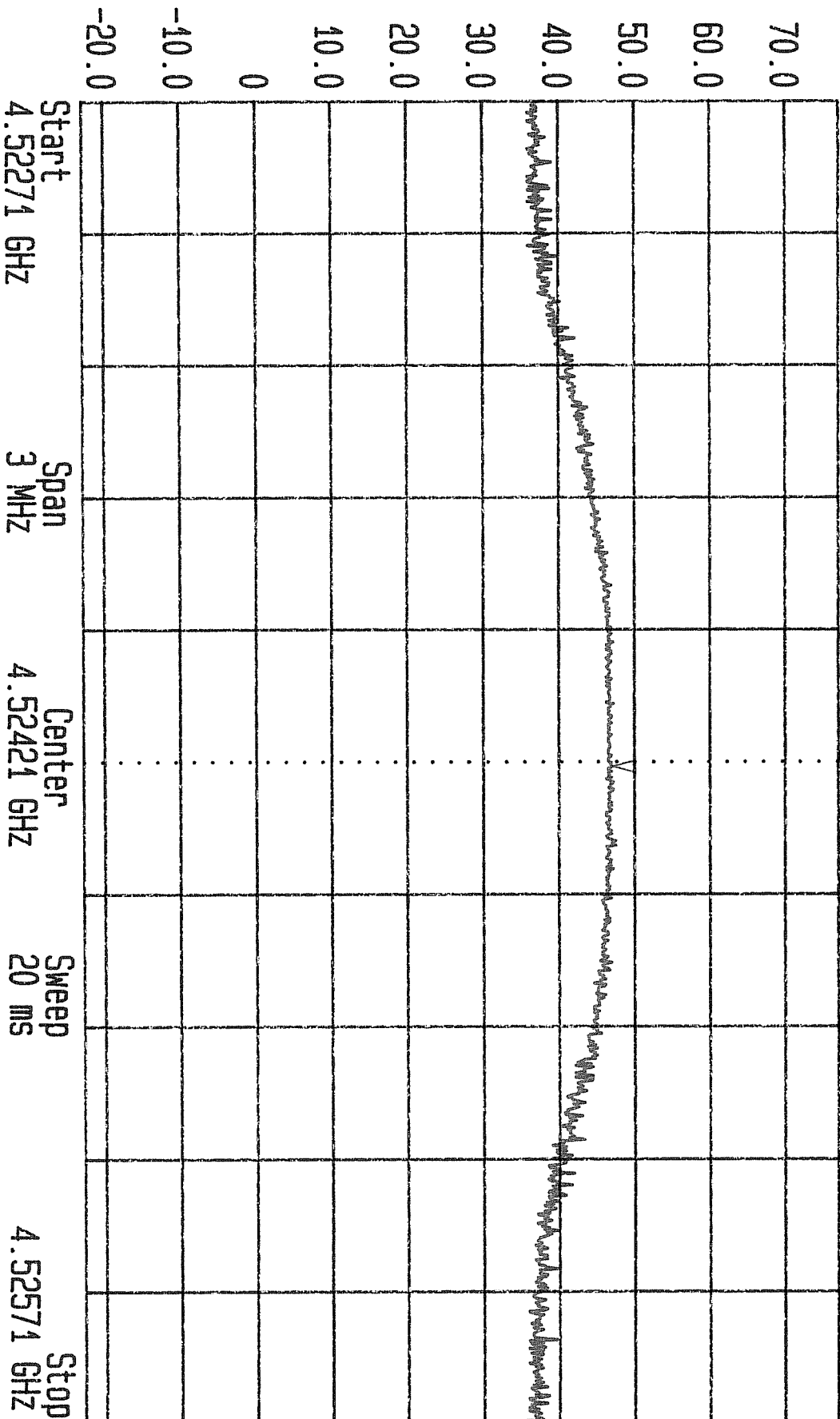
Start 3.617683333 GHz Scan 3 MHz Center 3.619183333 GHz Sweep 6.6 s Stop 3.620683333 GHz

FI



Date 04.Mar.'87 Time 13:26:23
Ref.Lvl 77.00 dBuV Marker 47.14 dBuV
4.524220 GHz

Res.Bw 1 MHz [imp]
16.Lvl off
CF.Stp 300.000 KHz
Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBuV]



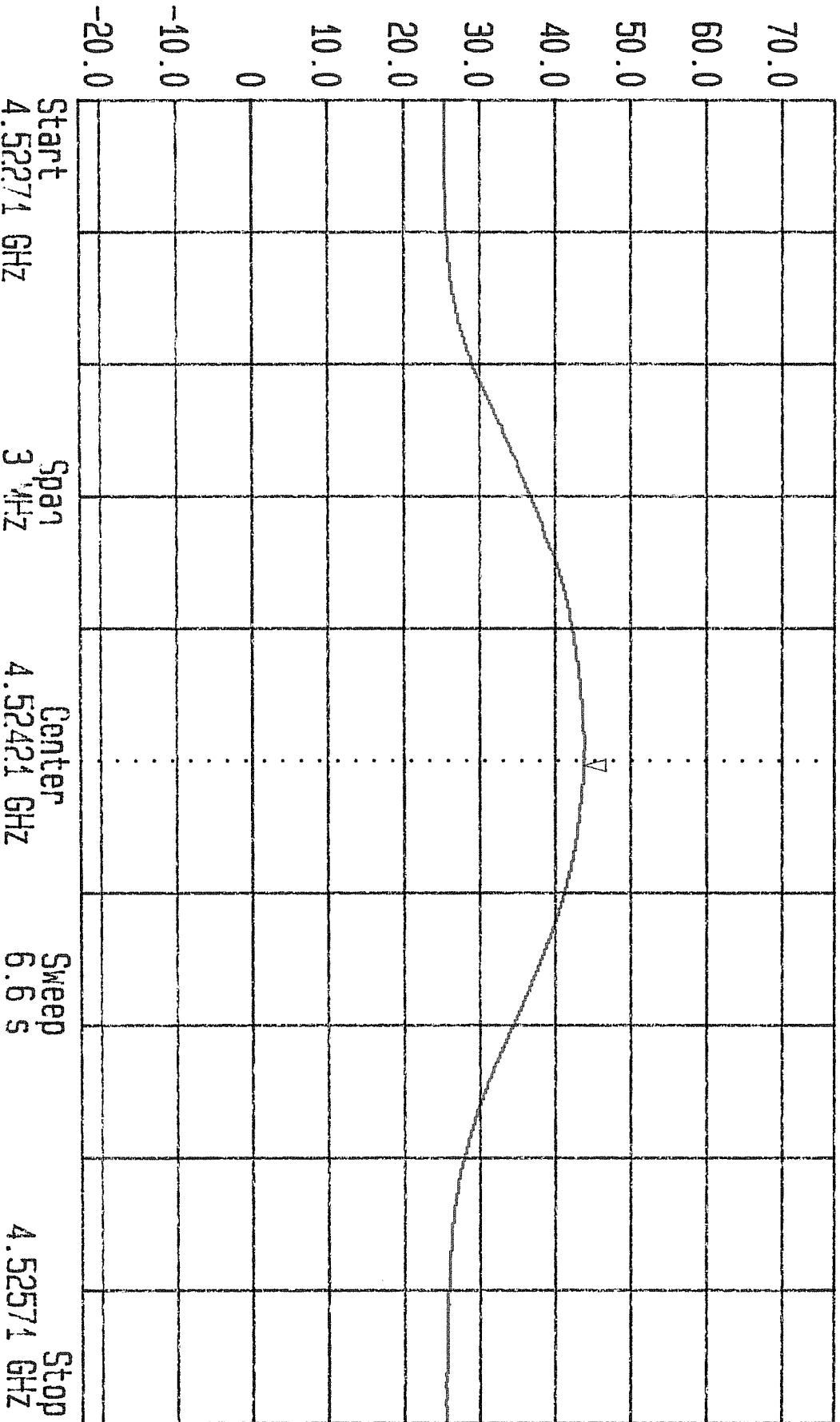
FI



Date 04.Mar.'87 Time 13:31:40
Ref.Lvl 77.00 dBμV
Marker 43.89 dBμV
4.524220 GHz

Res.Bw 1 MHz [imp]
TG.Lvl 16.Lvl
CF.Stp 300.000 KHz

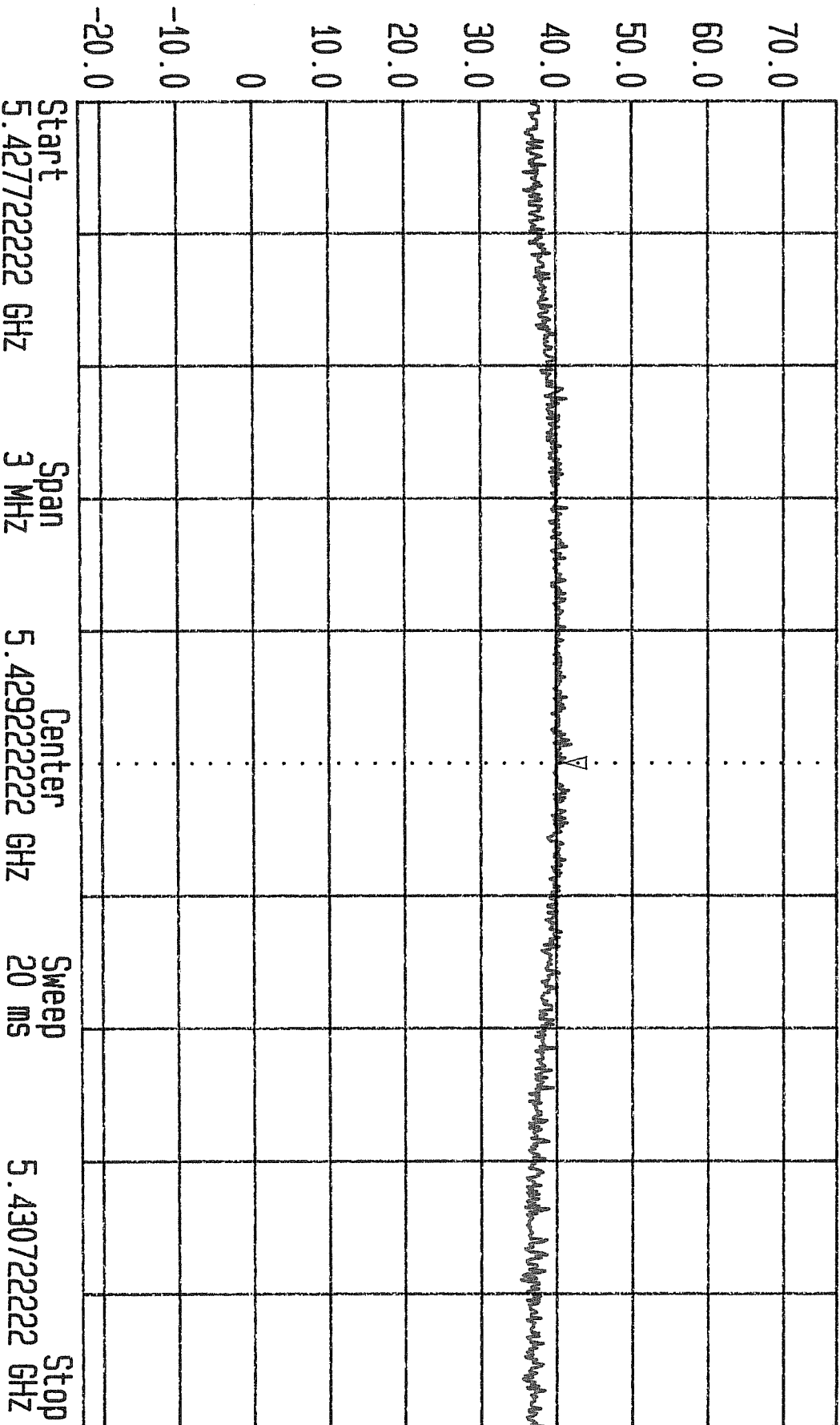
Vid.Bw 10 Hz
RF.Att 10 dB
Unit [dBμV]



[FI]



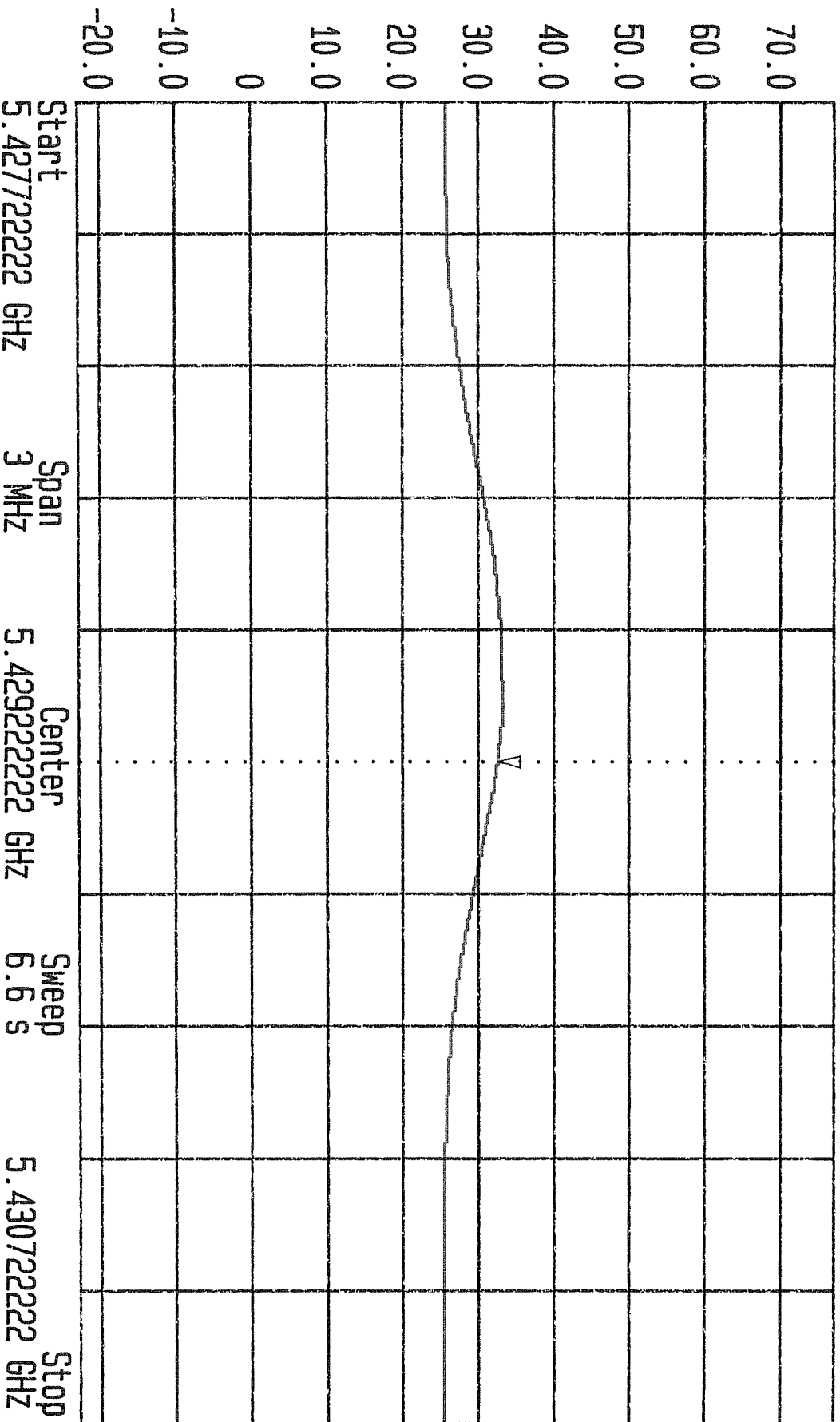
Date 04.Mar.'87 Time 13:10:58 Res.Bw 1 MHz [imp]
Ref.Lvl 77.00 dBμV Marker 40.97 dBμV TG.Lvl 1 Vid.Bw 1 MHz
5.429222 GHz CF.Stp 300.000 kHz off RF:Att 10 dB
Unit [dBμV]



FI



Date 04.Mar.'87 Time 13:14:25 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 77.00 dBμV Marker 32.57 dBμV CF.Stp 16.Lvl 10 dB
5.429222 GHz 300.000 kHz RF.Att Unit [dBμV]



[FI]