

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

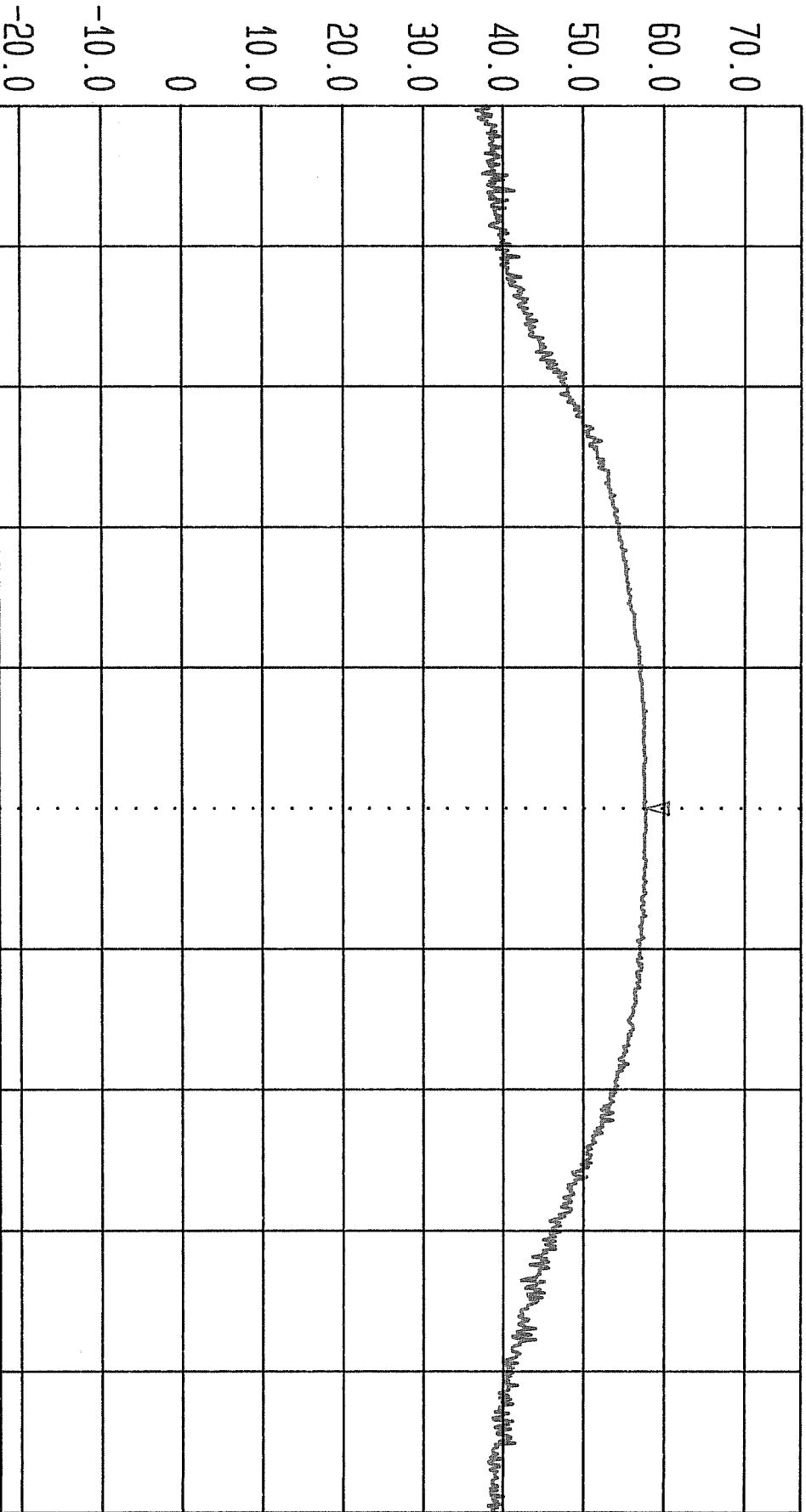
Radiated Spurious Emissions

Radiated Spurious Emissions

High Channel



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

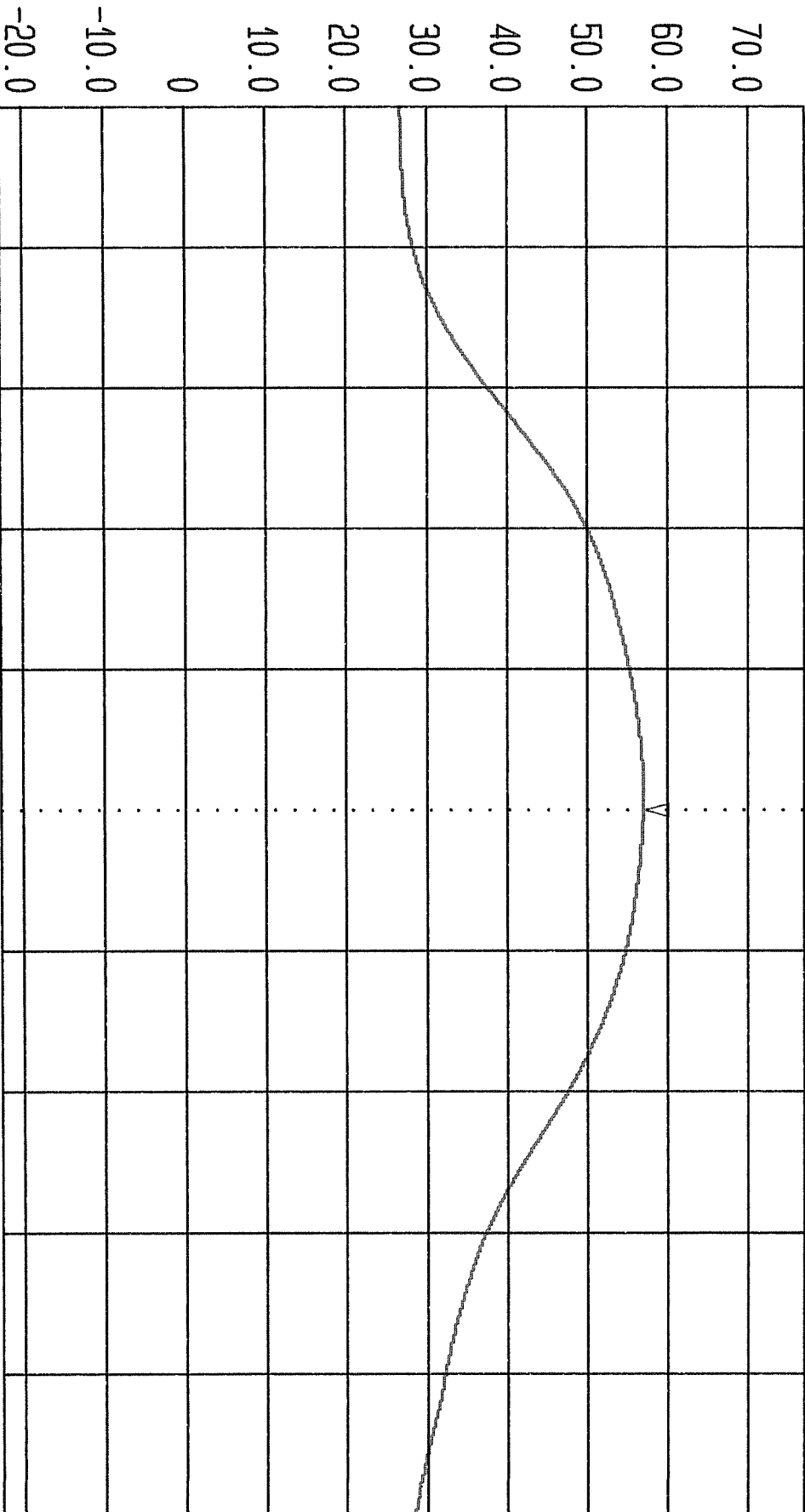


Start 2.773024555 GHz Span 3 MHz Center 2.774524555 GHz Sweep 20 ms Stop 2.776024555 GHz

F1



Date 04.Mar.'87 Time 15:27:08 Res.Bw 1 MHz [imp] Vid.Bw 10 Hz
Ref.Lvl 77.00 dB μ V Marker 57.05 dB μ V TG.Lvl 1 off RF.Att 10 dB
2.774524 GHz CF.Stp 300.000 KHz Unit [dB μ V]



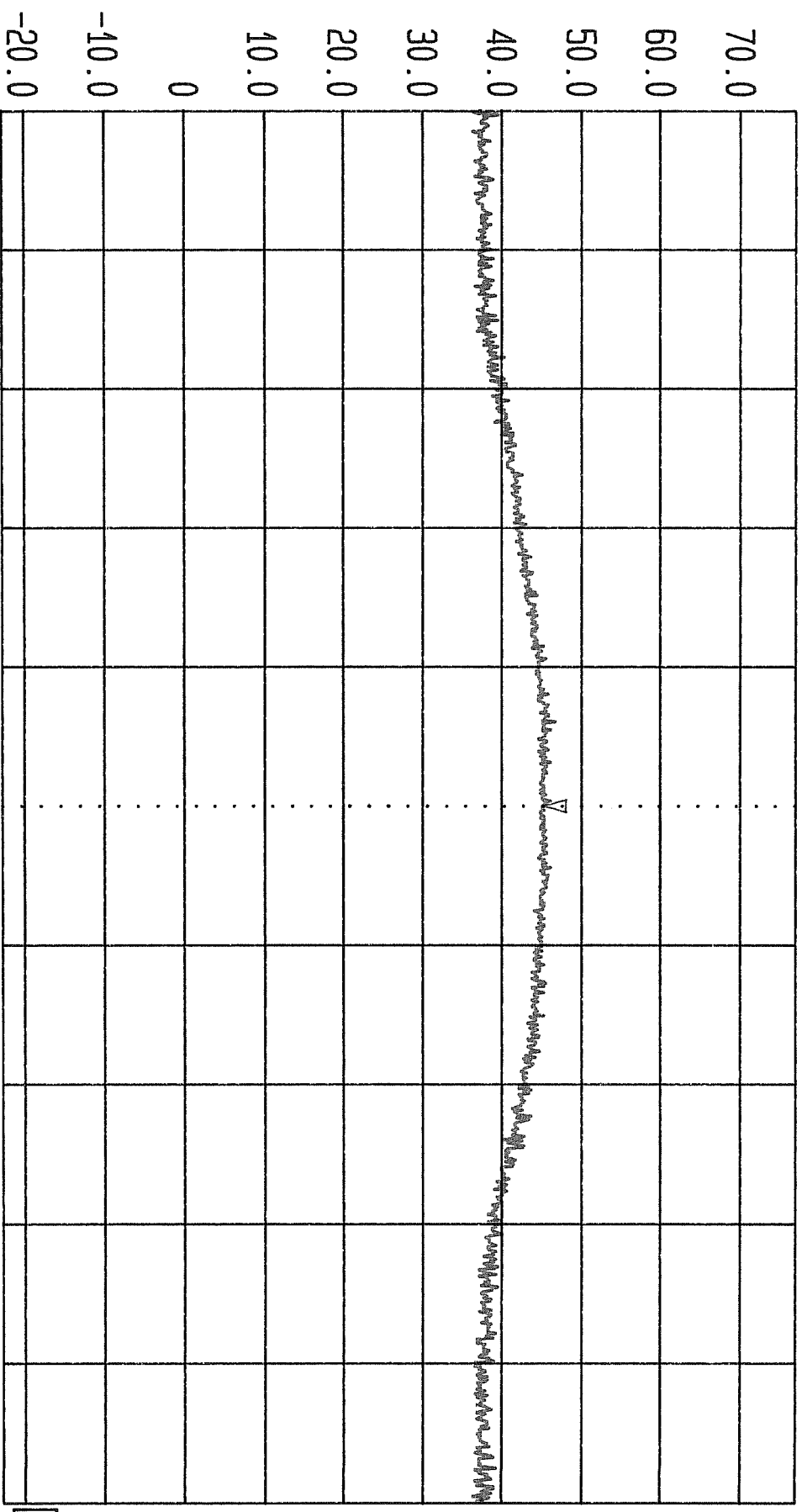
Start 2.773024555 GHz Span 3 MHz Center 2.774524555 GHz Sweep 6.6 s Stop 2.776024555 GHz

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. Strp 300.000 KHz
 Vid. BW 1 MHz
 RF. Att off
 Unit 10 dB [dBuV]

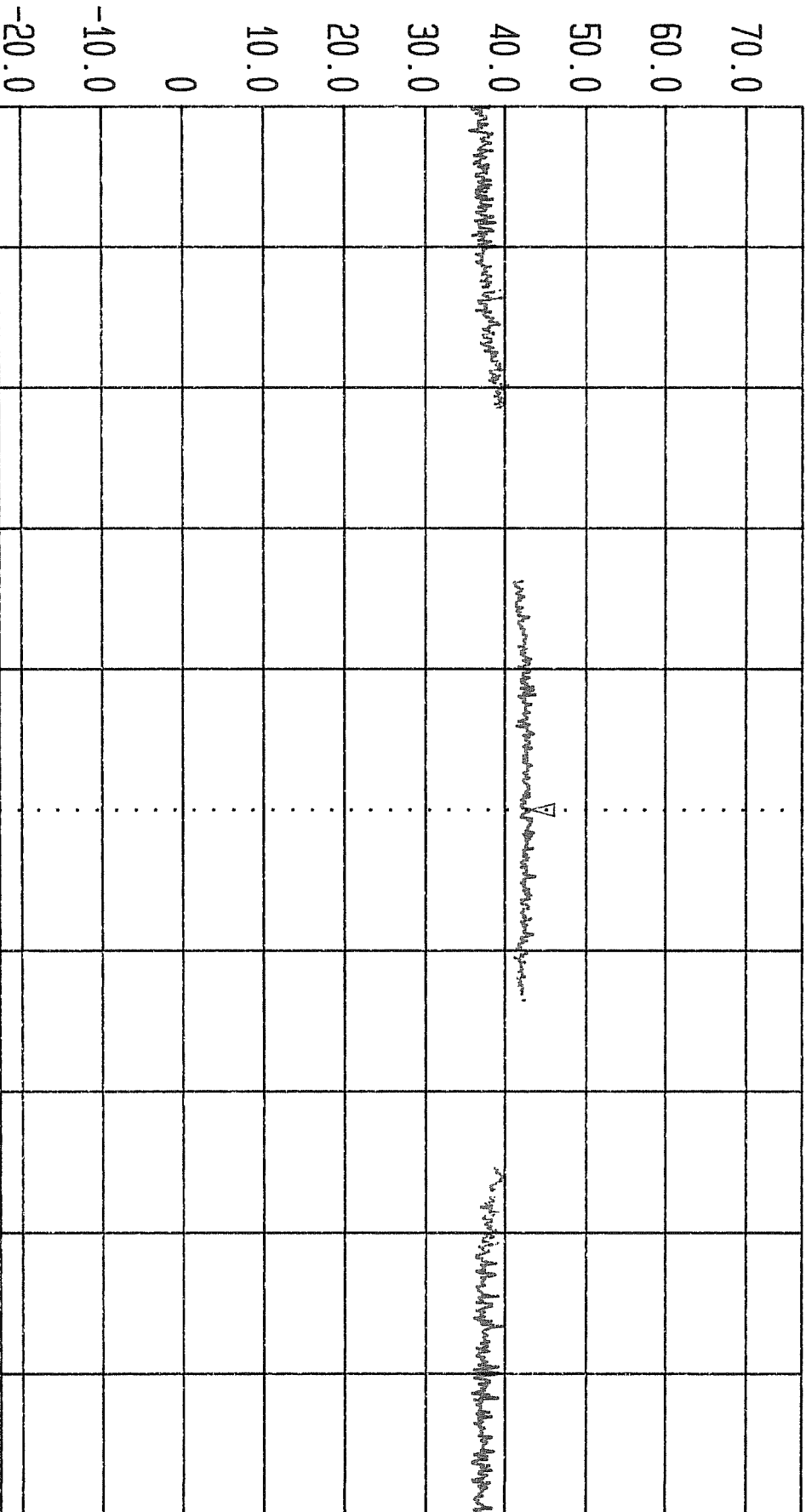


Start 3.697863633 GHz Span 3 MHz Center 3.699363633 GHz Sweep 20 ms Stop 3.700863633 GHz

FI



Date 04. Mar. '87 Time 15: 46: 41 Res. Bw 1 MHz [imp] Vid. Bw 1 MHz
 Ref. Lvl 77.00 dBuV Marker 43.33 dBuV CF. Stp TG. Lvl off RF. Att 10 dB
 Unit [dBuV]

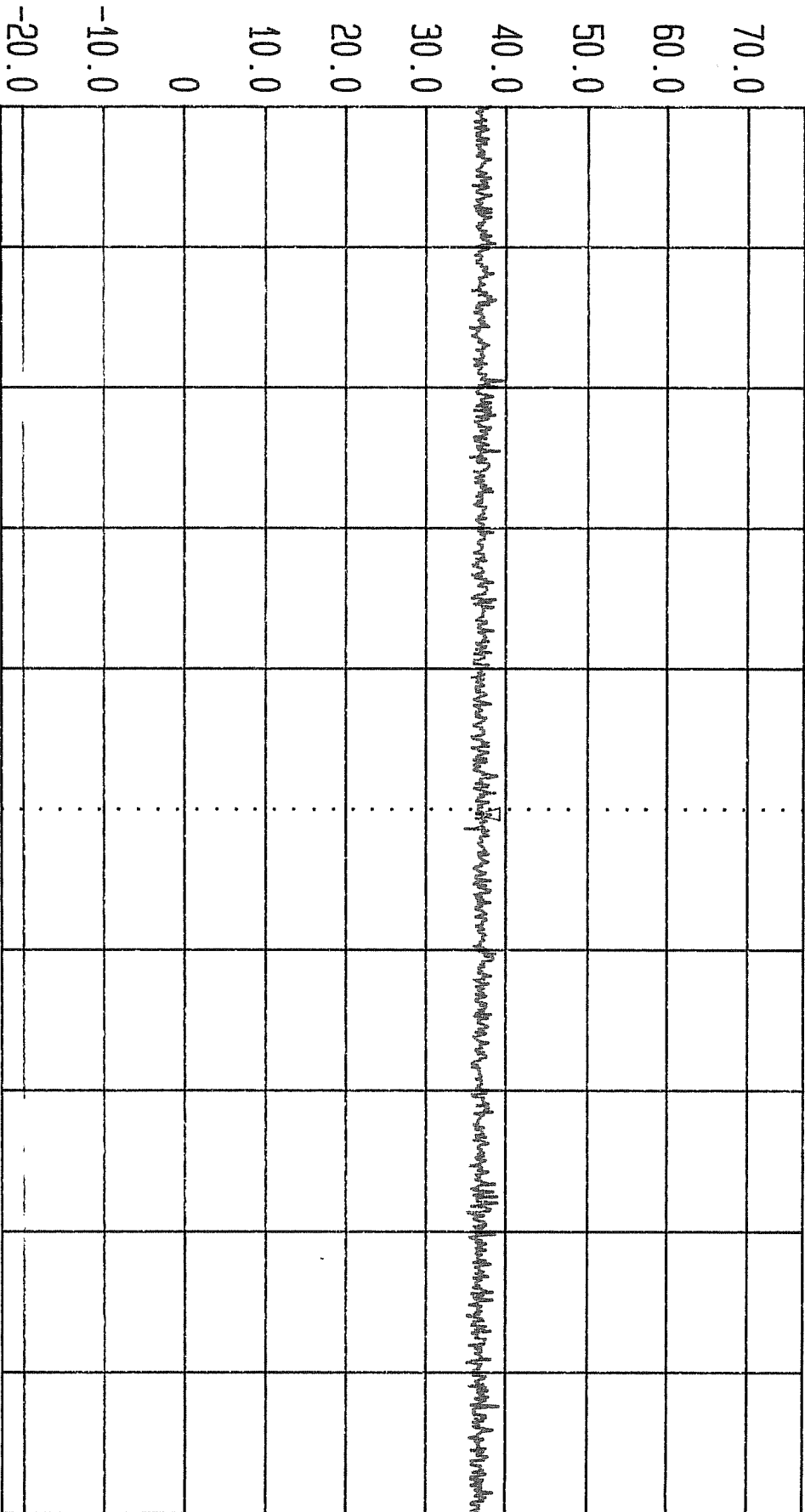


Start 4.622780995 GHz Span 3 MHz Center 4.624280995 GHz Sweep 20 ms Stop 4.625780995 GHz

FT



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



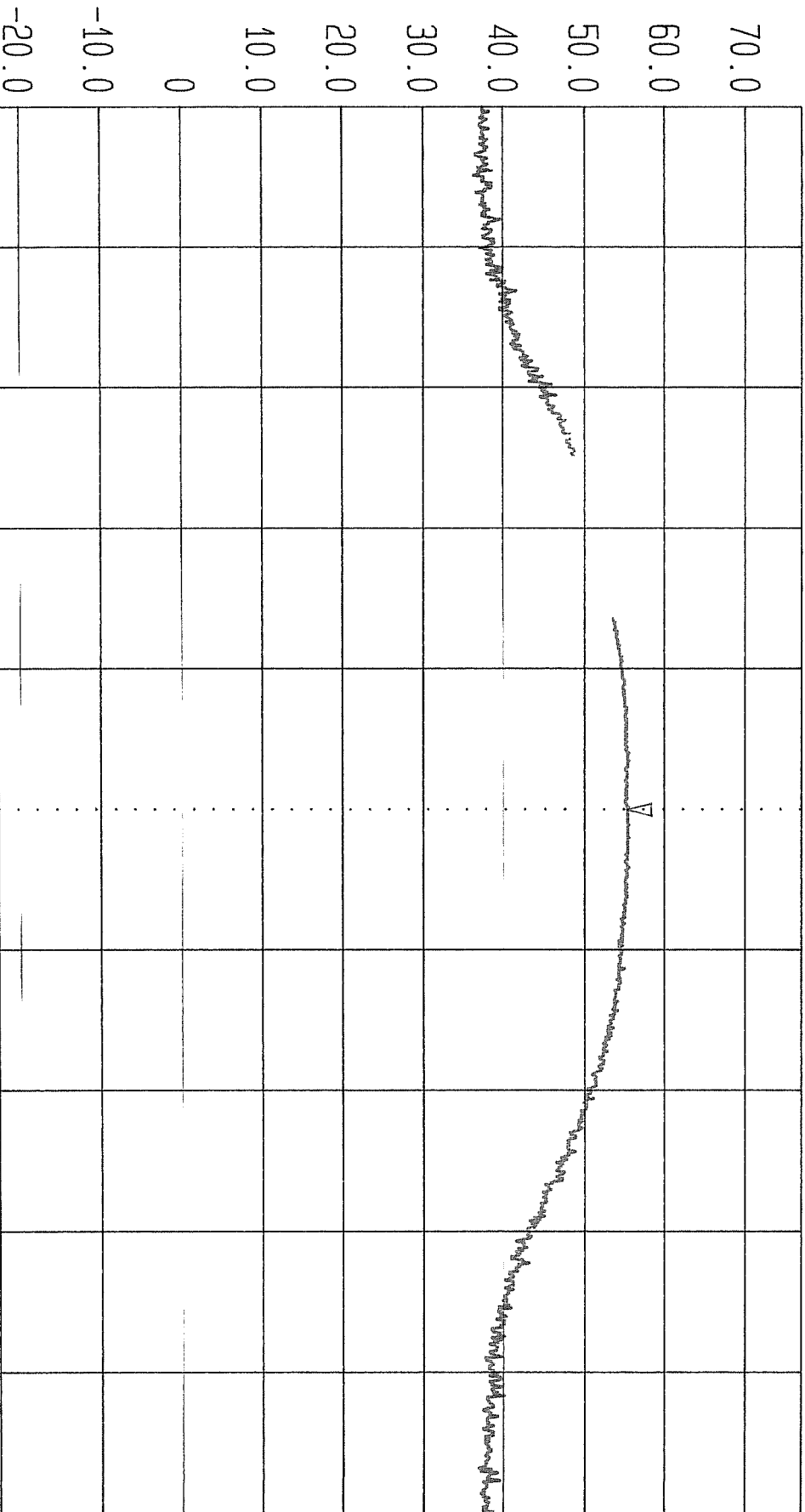
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Radiated Spurious Emissions

Mid Channel



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



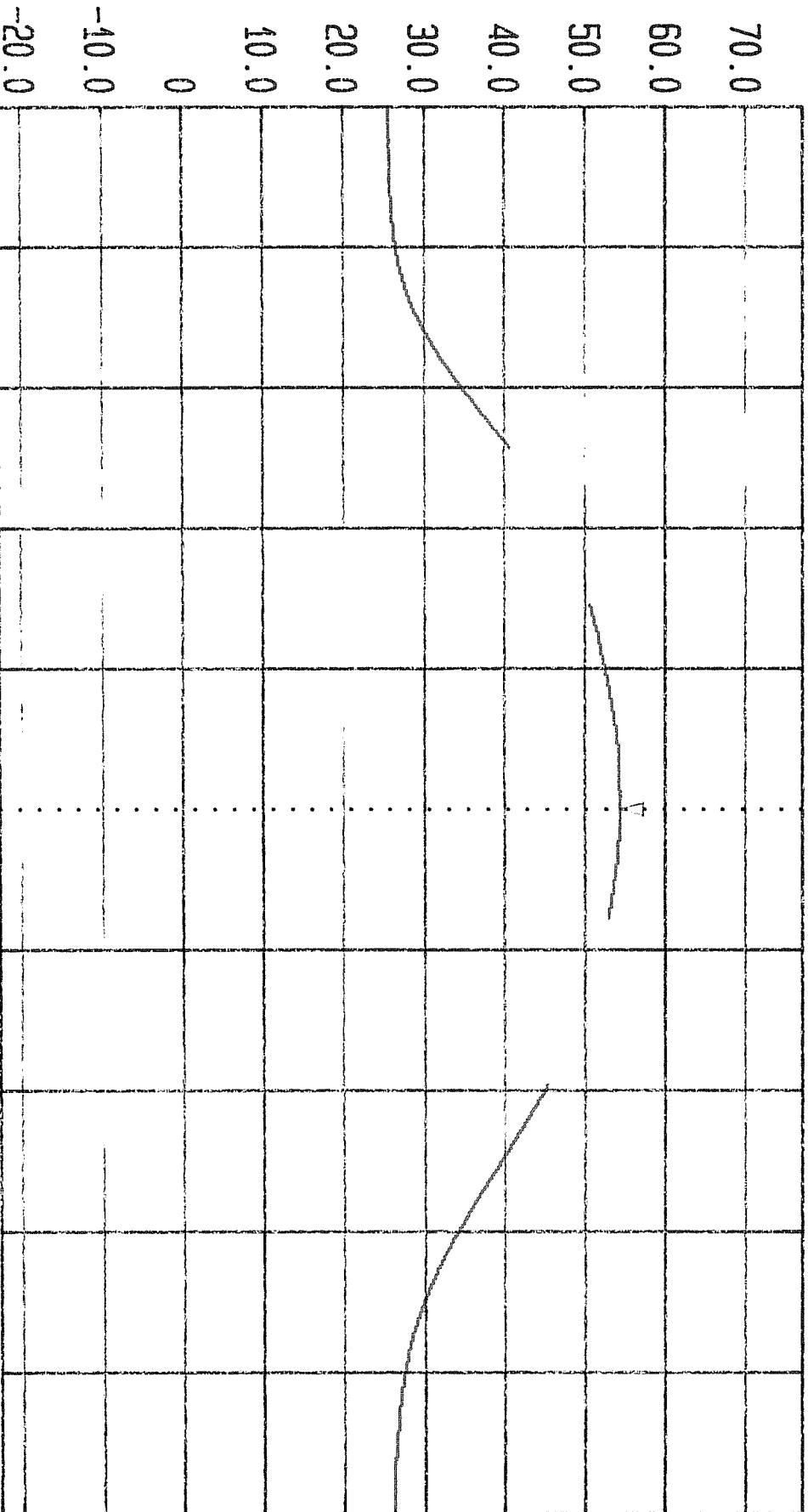
Start 2.755009999 GHz Span 3 MHz Center 2.756509999 GHz Swcep 20 ms Stop 2.758009999 GHz

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]
TG. Lvl 16. Lvl off
CF. Stp 300.000 KHz
Vid. Bw 10 Hz
RF. Att 10 dB
Unit [dBuV]



Start 2.755009999 GHz

1 GHz

Stop 2.758009999 GHz

FT

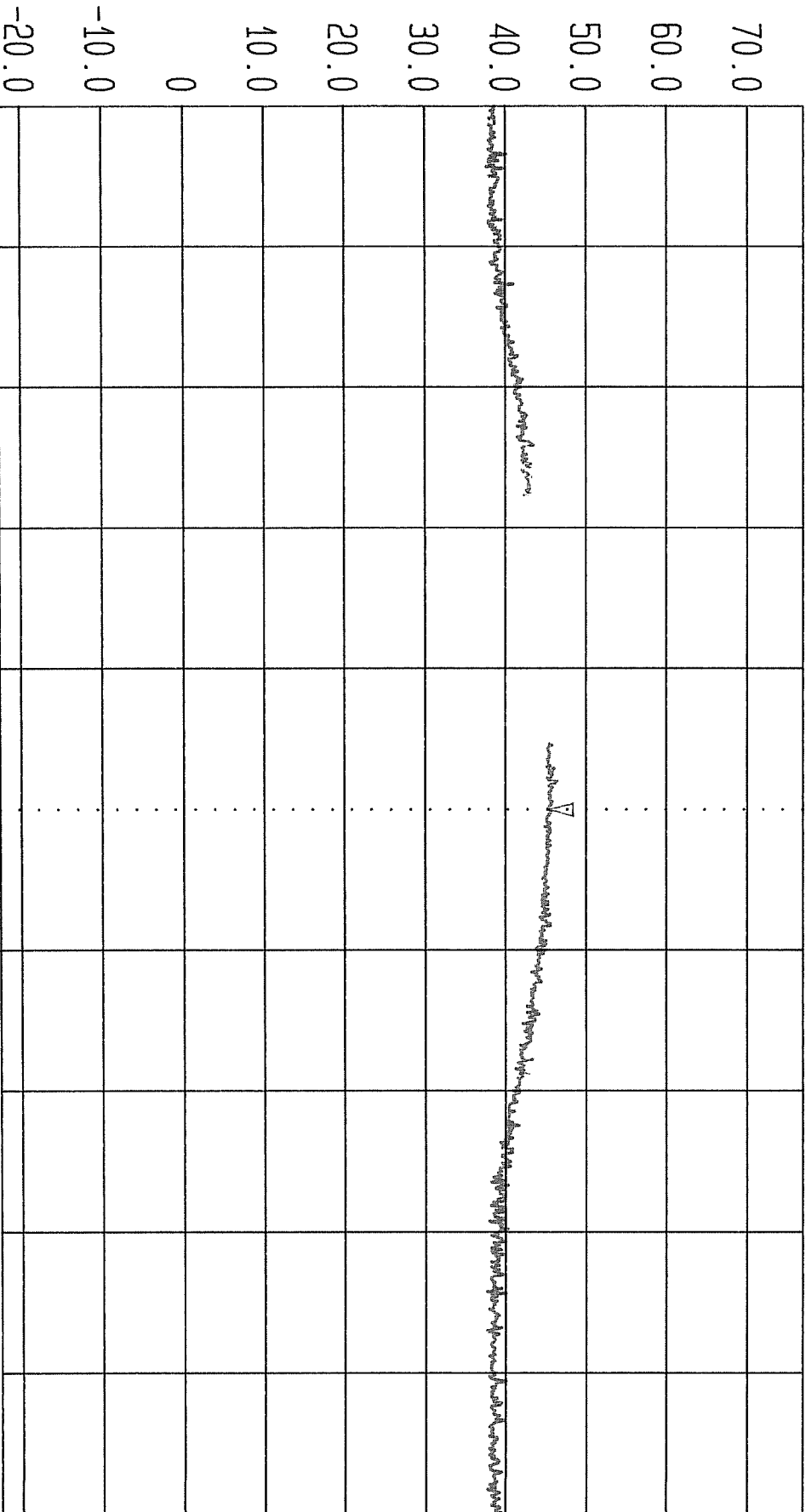


Date 04. Mar. '87 Time 14:24:36
 Ref.Lvl 77.00 dBμV Marker 45.54 dBμV
 3.675500 GHz

Res. Bw TG.Lvl
 CF. Stp

1 MHz [imp]
 off
 300.000 KHz

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



Start 3.674 GHz

Span 3 MHz

Center 3.6755 GHz

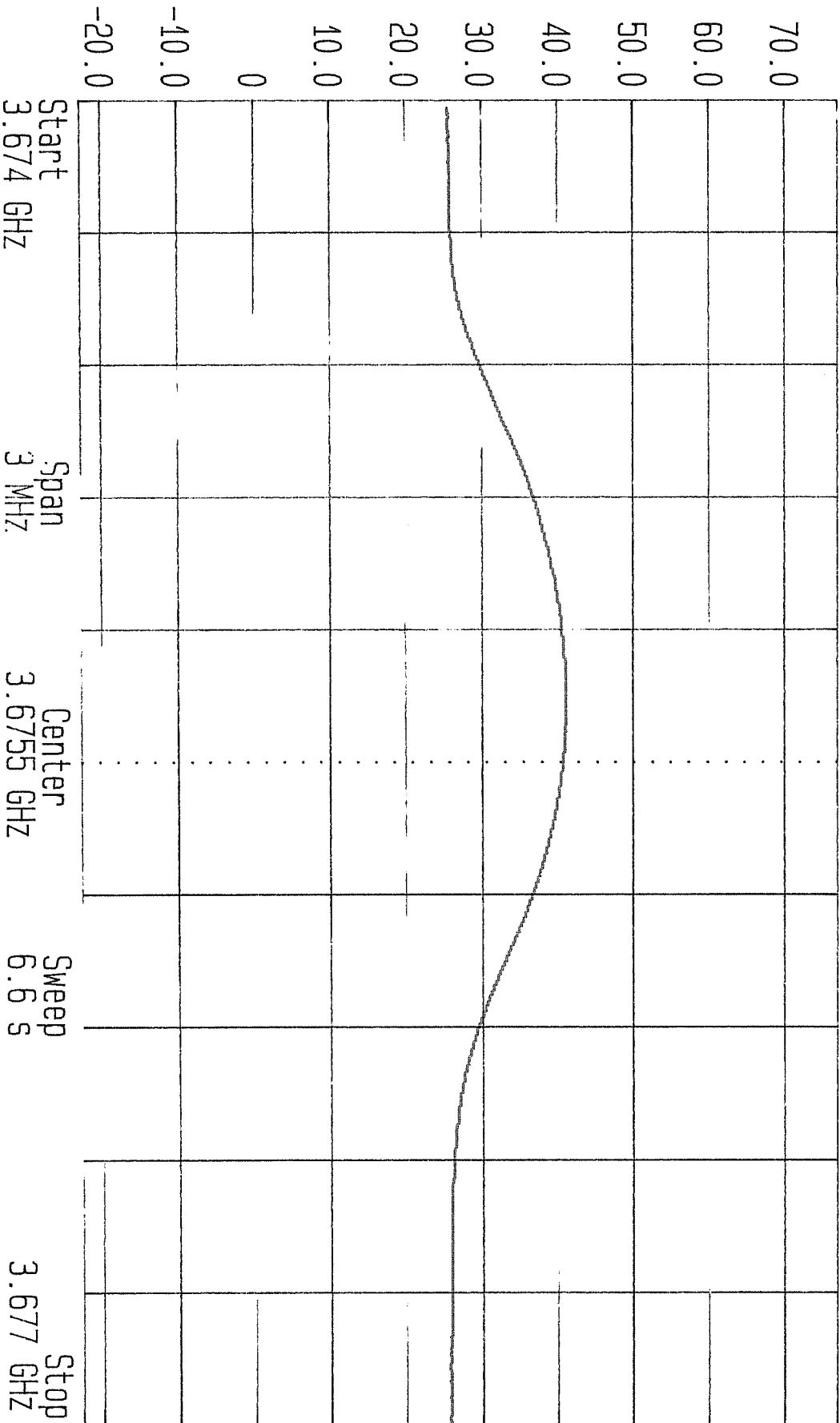
Sweep 20 ms

Stop 3.677 GHz

FI



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



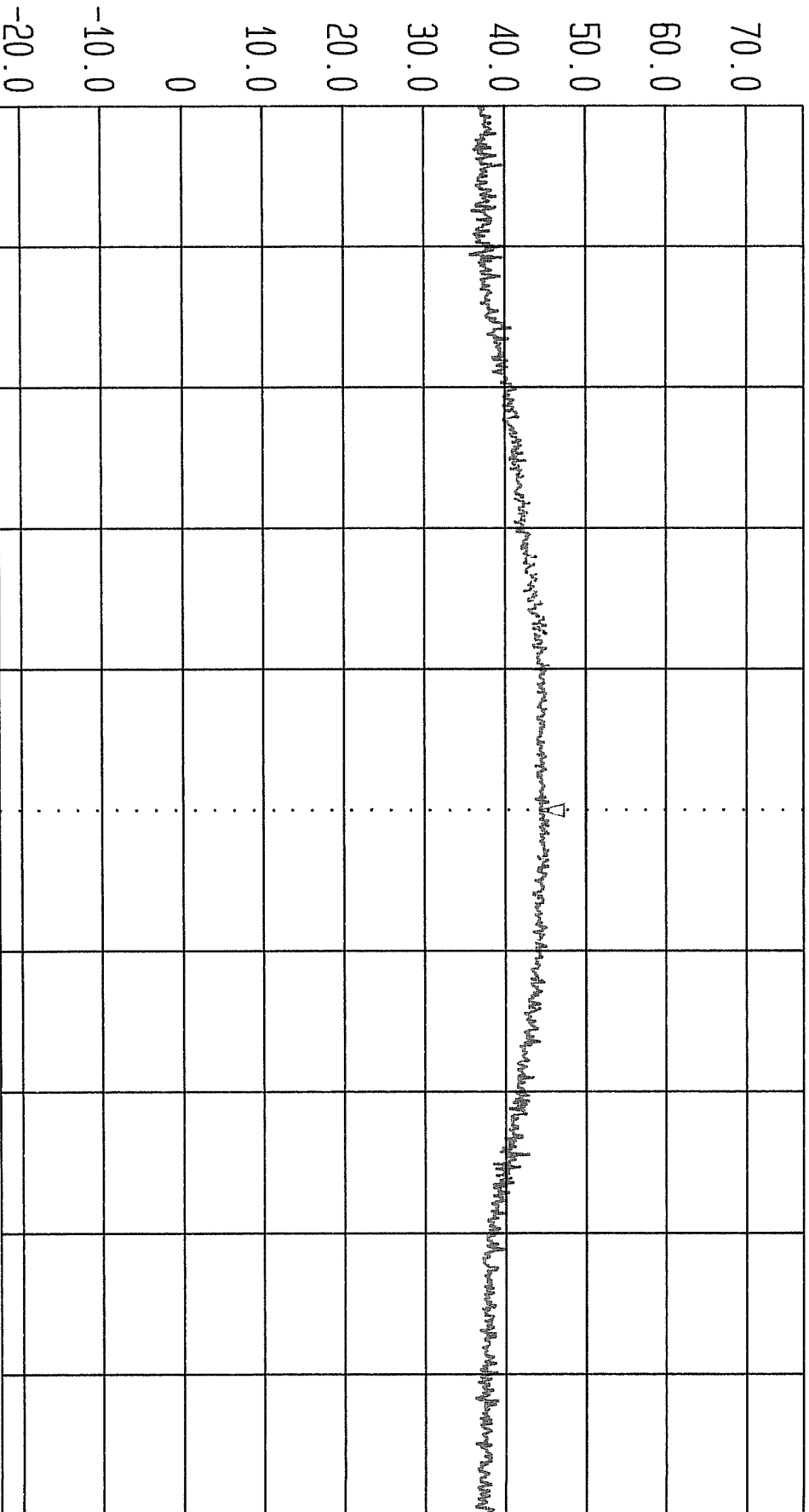
FI



Date 04. Mar. '87 Time 14:36:05
 Ref. Lvl 77.00 dBuV Marker 4.594269 GHz

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

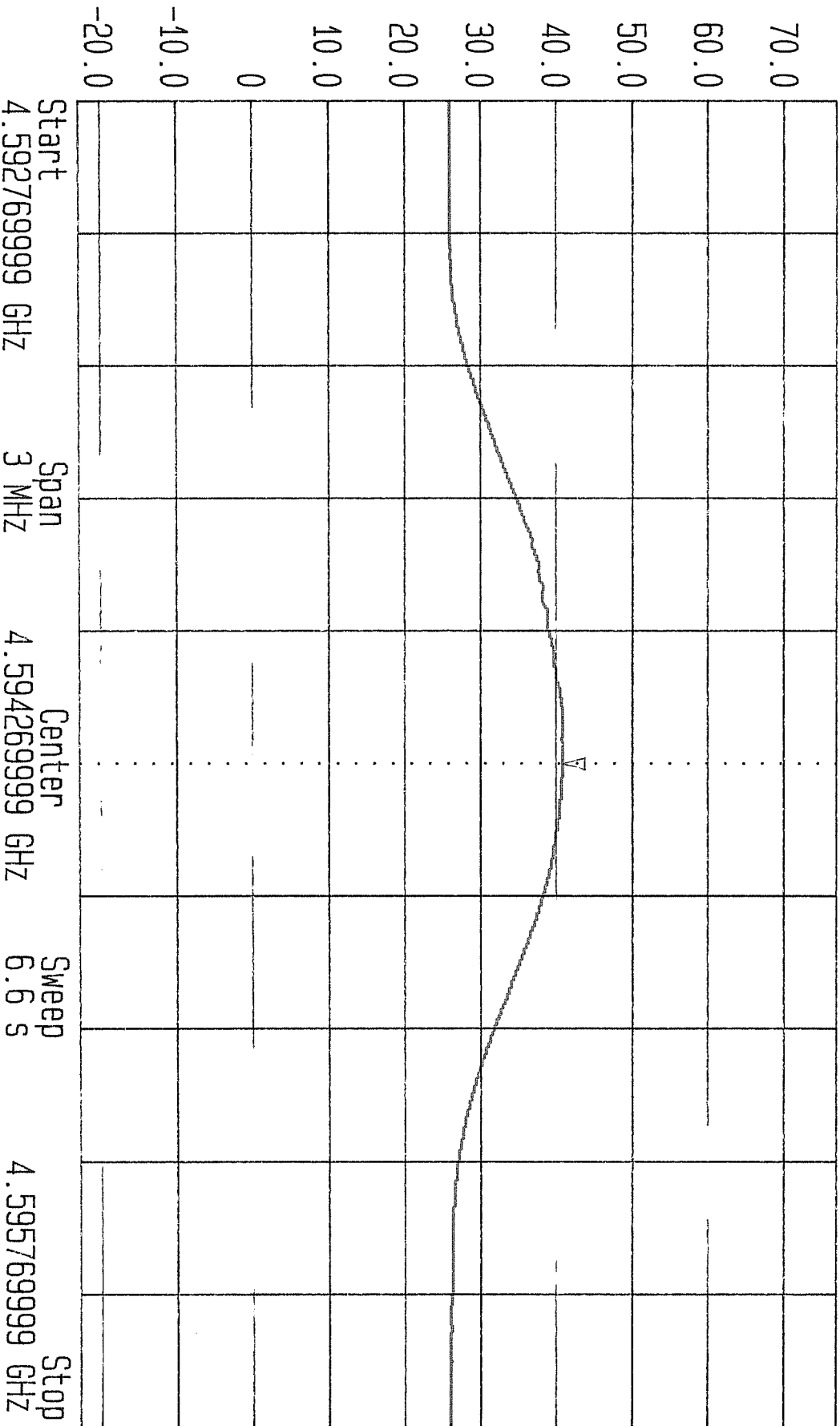
Vid. Bw 1 MHz
 RF. Att Unit 10 dB [dBuV]



FI



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



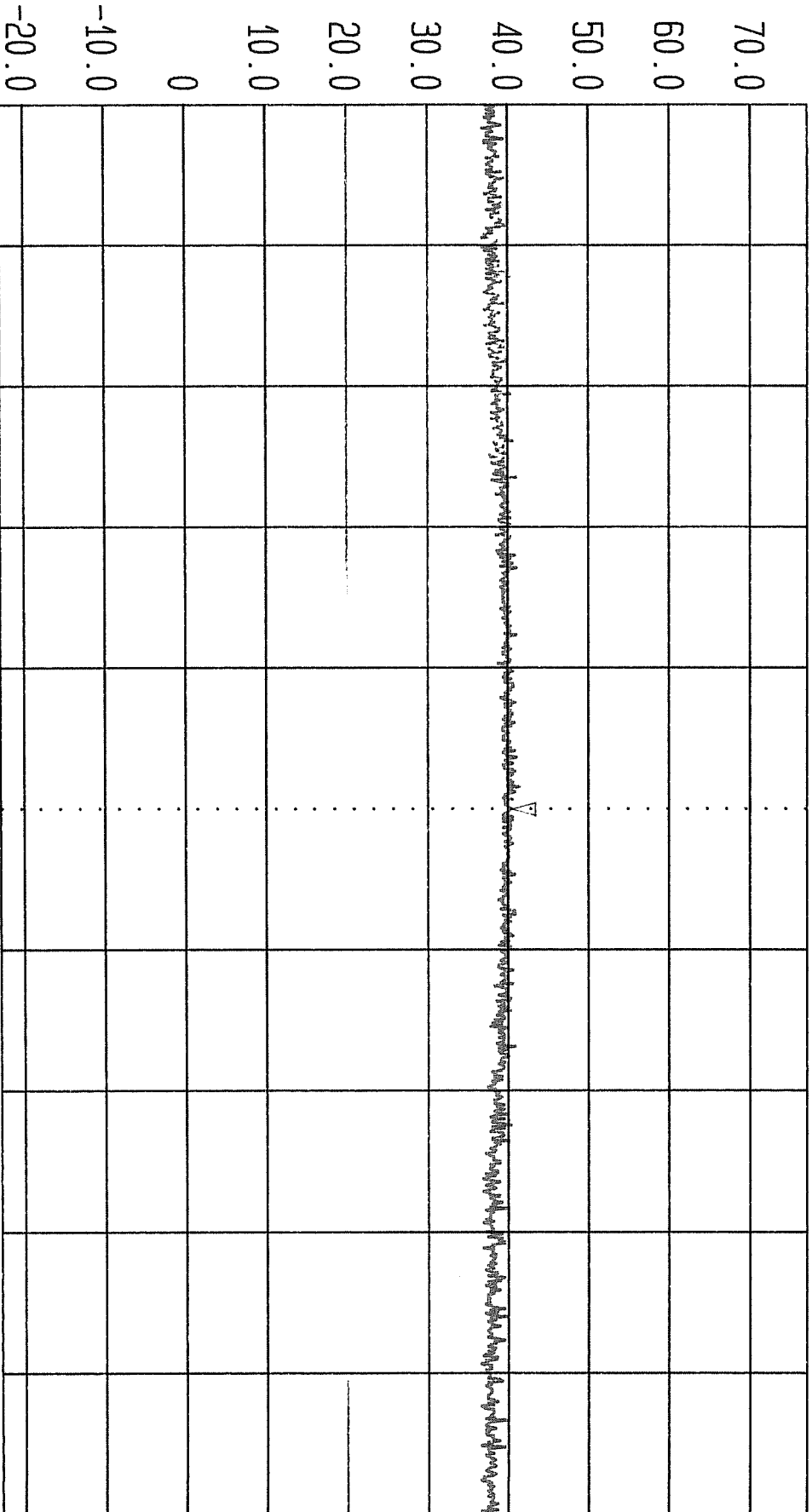
FI



Date 04. Mar. '87 Time 14: 48: 02
 Ref. Lvl 77.00 dBμV Marker 40.44 dBμV
 5.513184 GHz

Res. Bw 1 MHz [Imp]
 TG. Lvl off
 CF. Stp 300.000 KHz

Vid. Bw 1 MHz
 RF. Att Unit
 [dBμV]



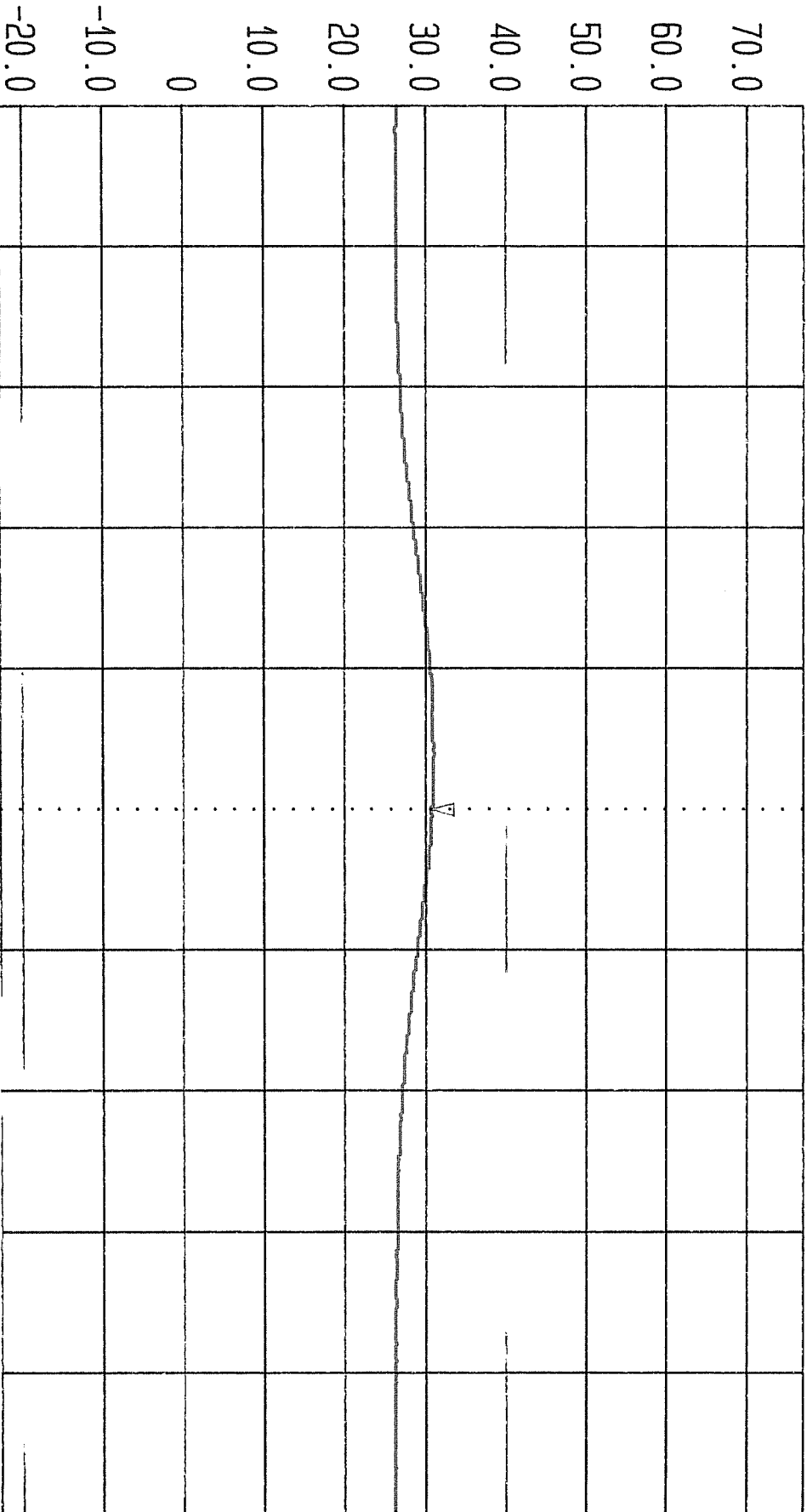
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Date 04.Mar.'87 Time 14:52:48
 Ref.Lvl 77.00 dBuV Marker 5.513184 GHz

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

Vid.Bw 10 Hz
 RF.Att Unit
 [dBuV]



Start 5.511684444 GHz

Span 3 MHz

Center 5.513184444 GHz

Sweep 6.6 s

Stop 5.514684444 GHz

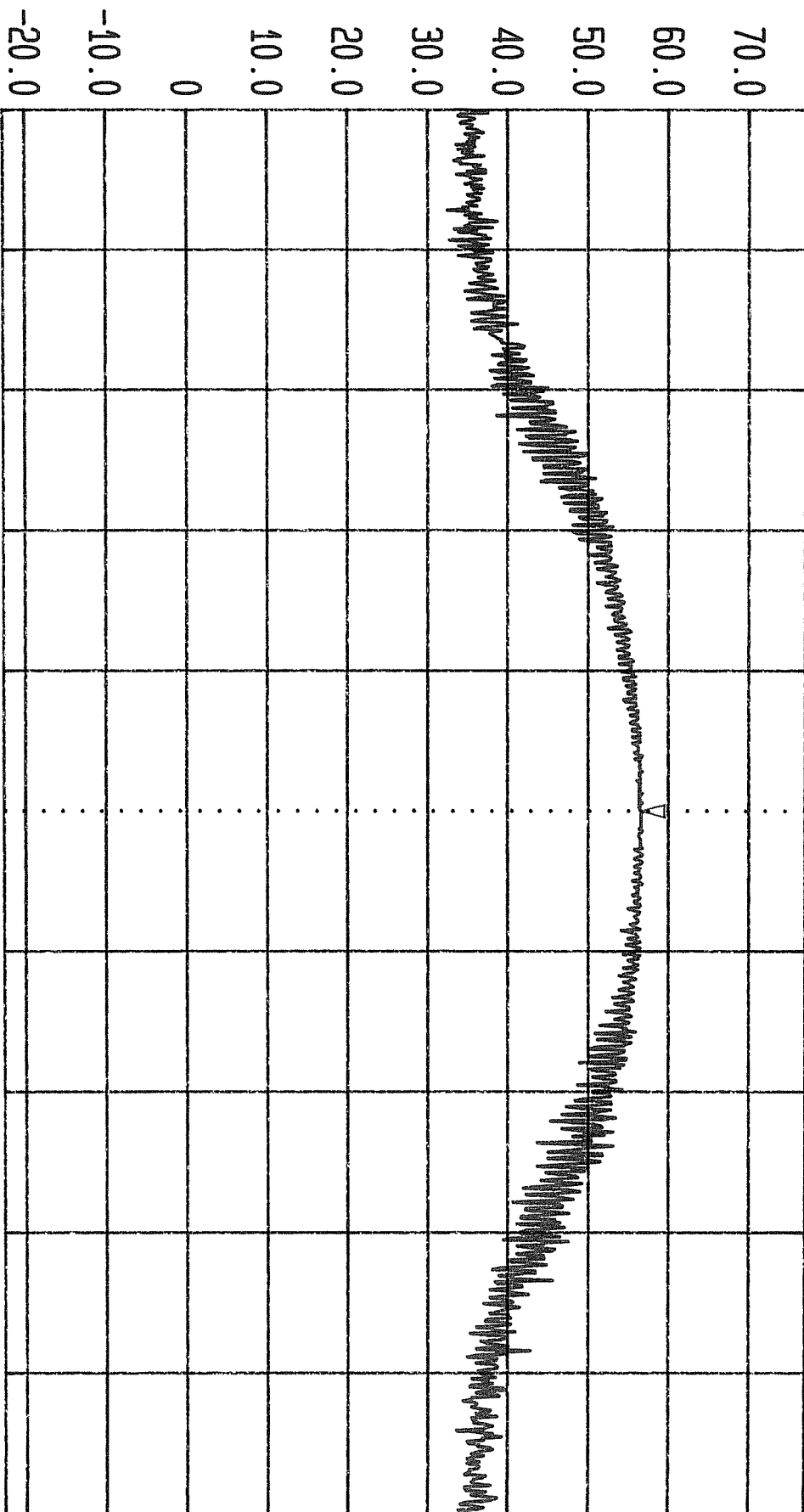
FI

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 TG. Lvl 1 MHz
 Vid. Bw 1 MHz
 300.000 KHz off RF: Att 10 dB
 Unit [dBuV]



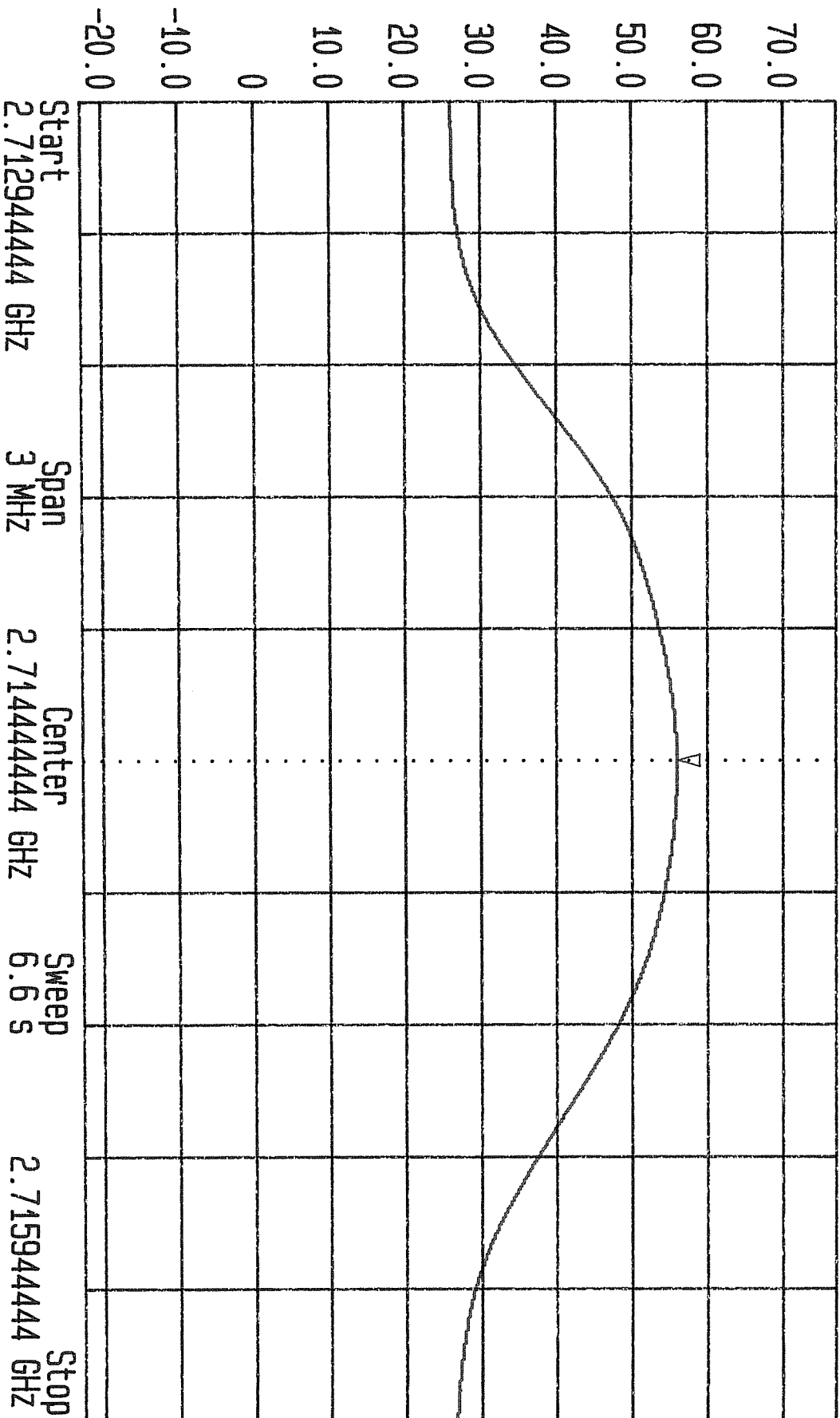
Start 2.712944444 GHz Span 3 MHz Center 2.714444444 GHz Sweep 20 ms Stop 2.715944444 GHz

F1



Date 04. Mar. '87 Time 11:23:38
Ref. Lvl 77.00 dBμV
Marker 56.03 dBμV
2.714444 GHz

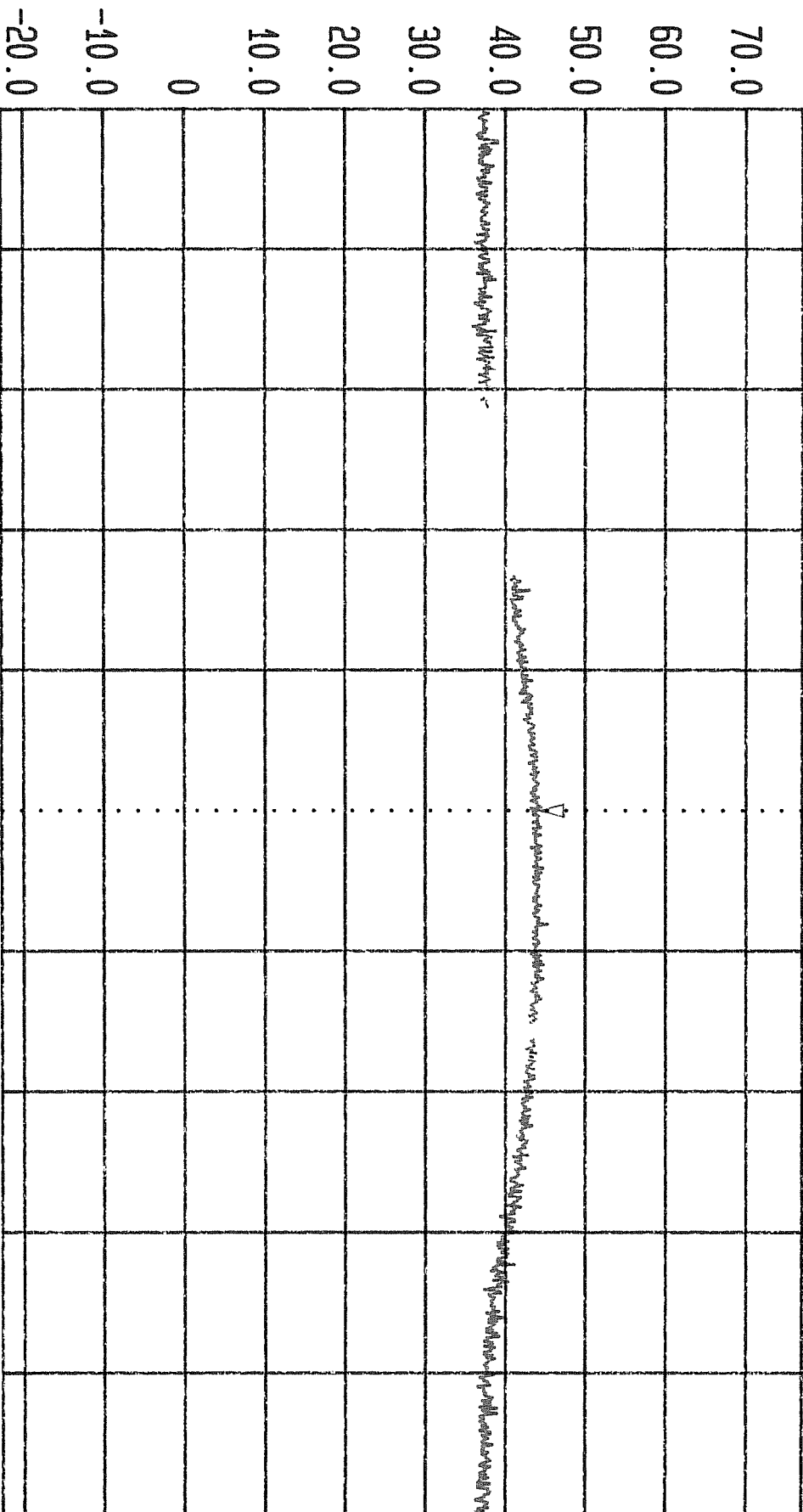
Res. Bw 1 MHz [imp]
TG. Lvl Off
CF. Stp 300.000 KHz
Vid. Bw 10 Hz
RF. Att 10 dB
Unit [dBμV]



FI



Date 04.Mar.'87 Time 13:42:09 Res. BW 1 MHz [imp] Vid. BW 1 MHz
 Ref. Lvl 77.00 dBuV Marker 44.40 dBuV TG. Lvl CF. Str 300.000 KHz Off RF. Att 10 dB
 3.619183 GHz Unit [dBuV]

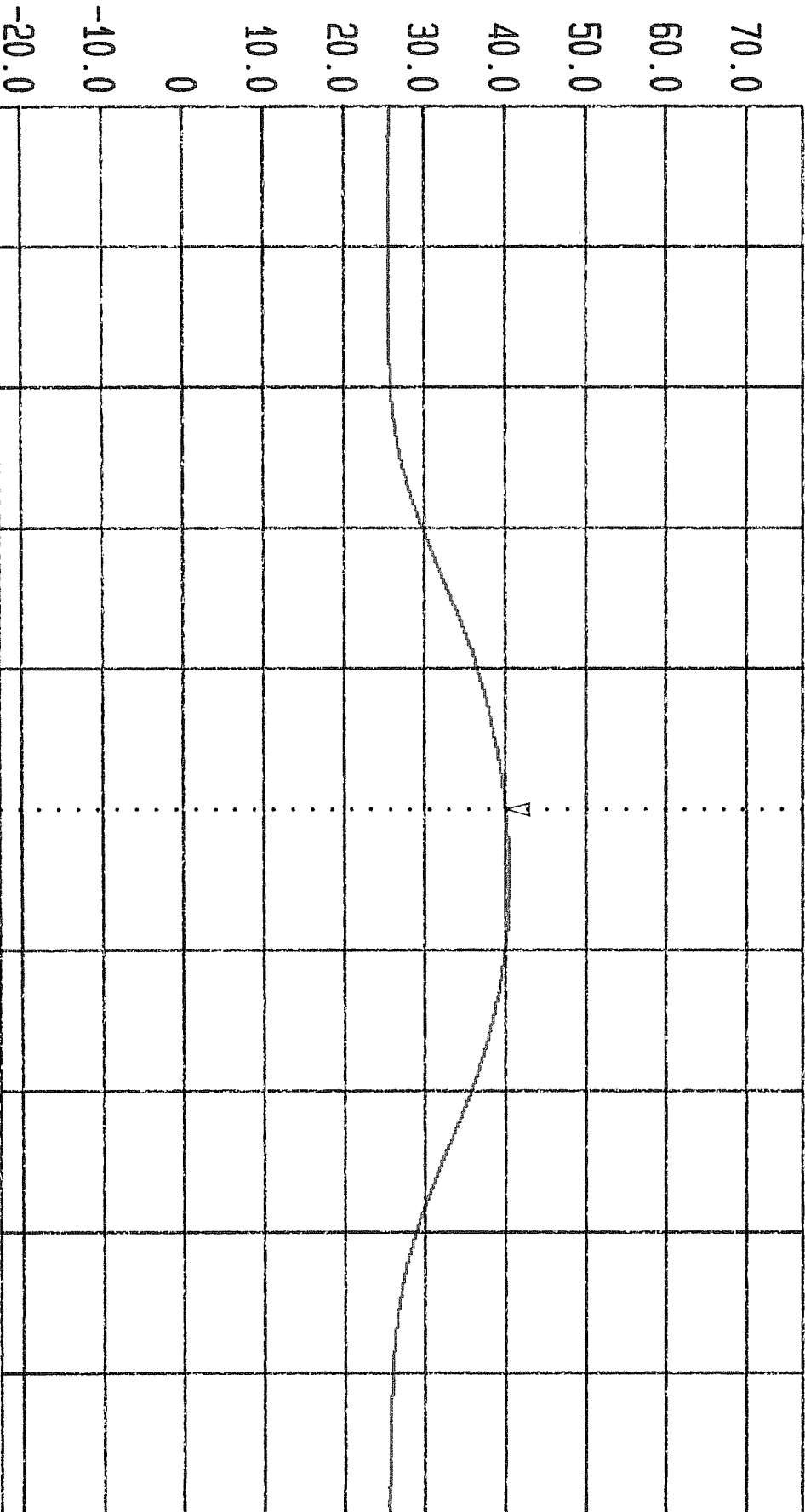


Start 3.617683333 GHz Span 3 MHz Center 3.619183333 GHz Sweep 20 ms Stop 3.620683333 GHz

FI



Date 04. Mar. '87 Time 13:56:39 Res. Bw 1 MHz [imp] Vid. Bw 10 Hz
 Ref. Lvl 77.00 dBuV Marker 40.34 dBuV CF. Strp 300.000 KHz off RF Att Unit [dBuV]



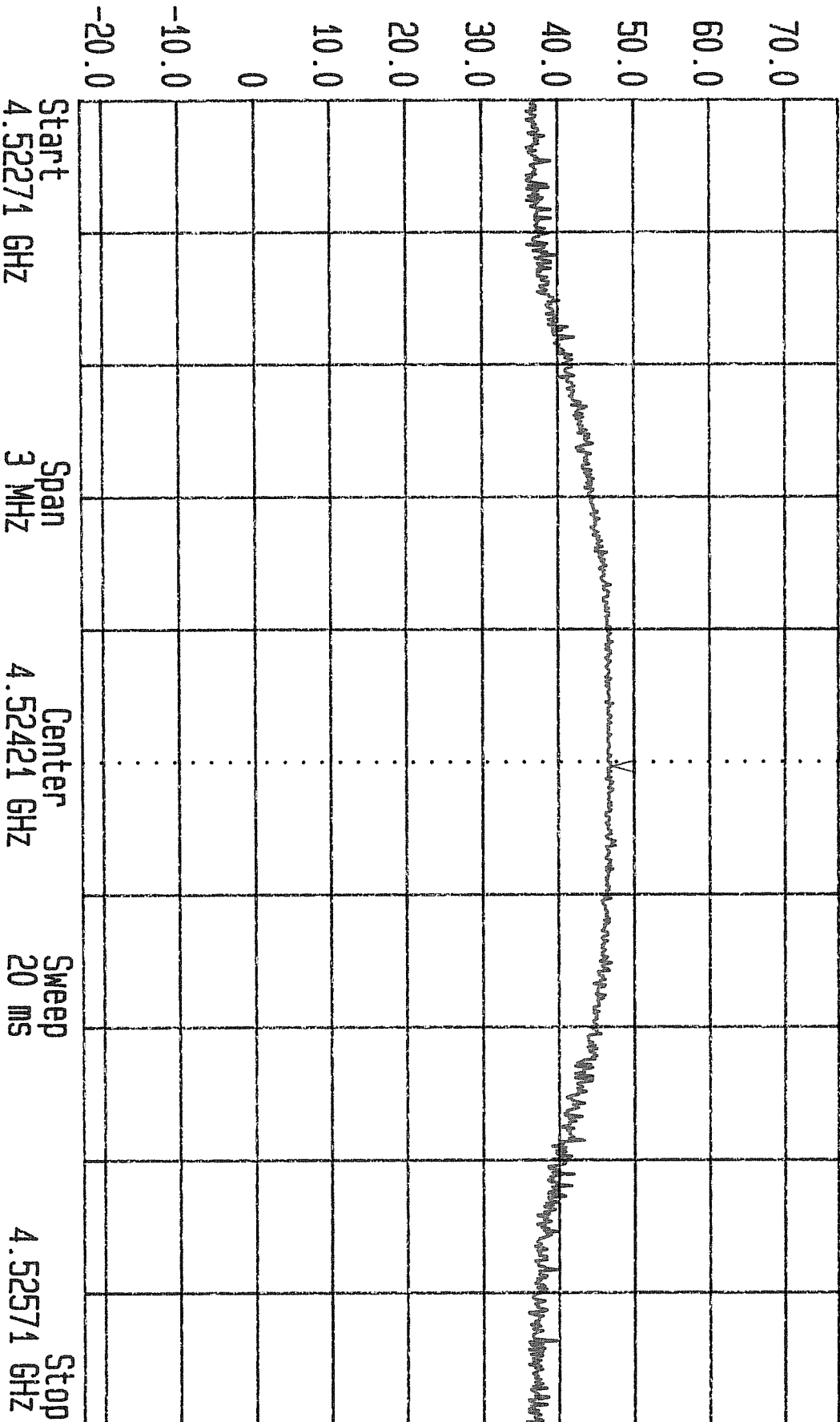
Start 3.617683333 GHz Scan 3 MHz Center 3.619183333 GHz Sweep 6.6 s Stop 3.620683333 GHz

FI



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

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



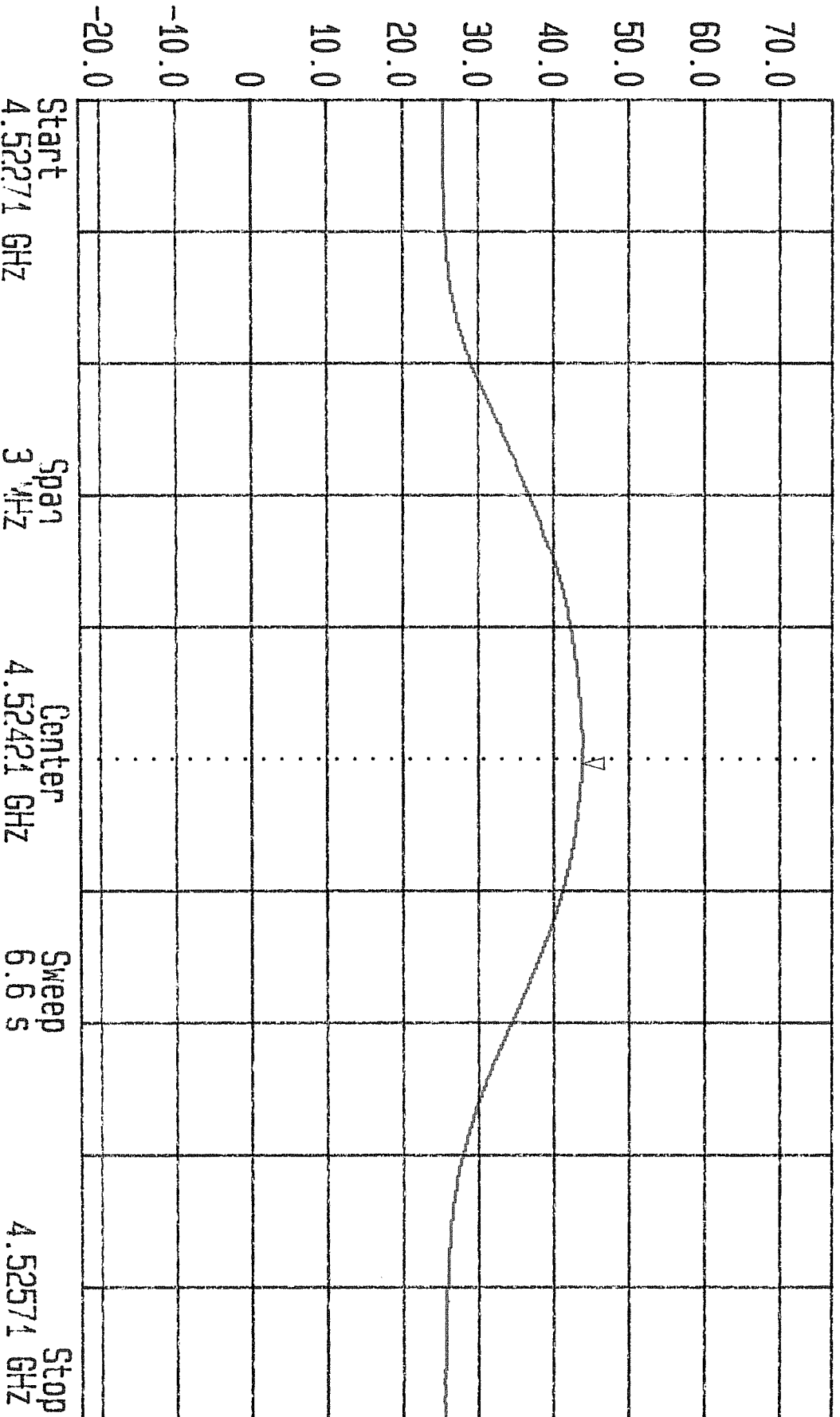
FI



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 1
CF. Stp 300.000 KHz

Vid. Bw 10 Hz
RF. Att Unit
[dBμV]

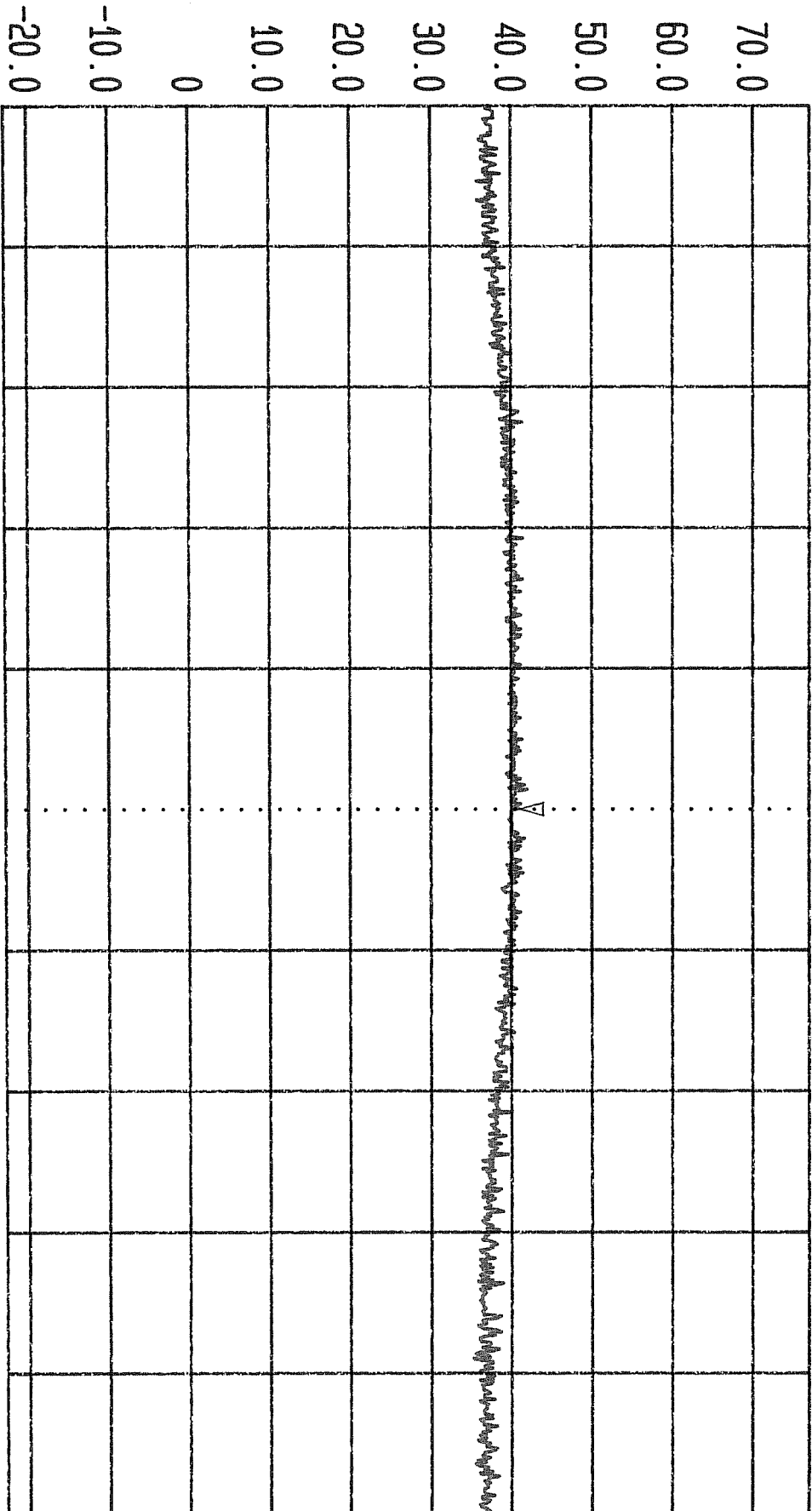


[FI]



Date 04. Mar. '87 Time 13:10:58
 Ref. Lvl 77.00 dBuV
 Marker 40.97 dBuV
 5.429222 GHz

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



Start 5.42772222 GHz Span 3 MHz Center 5.42922222 GHz Sweep 20 ms Stop 5.43072222 GHz

FI

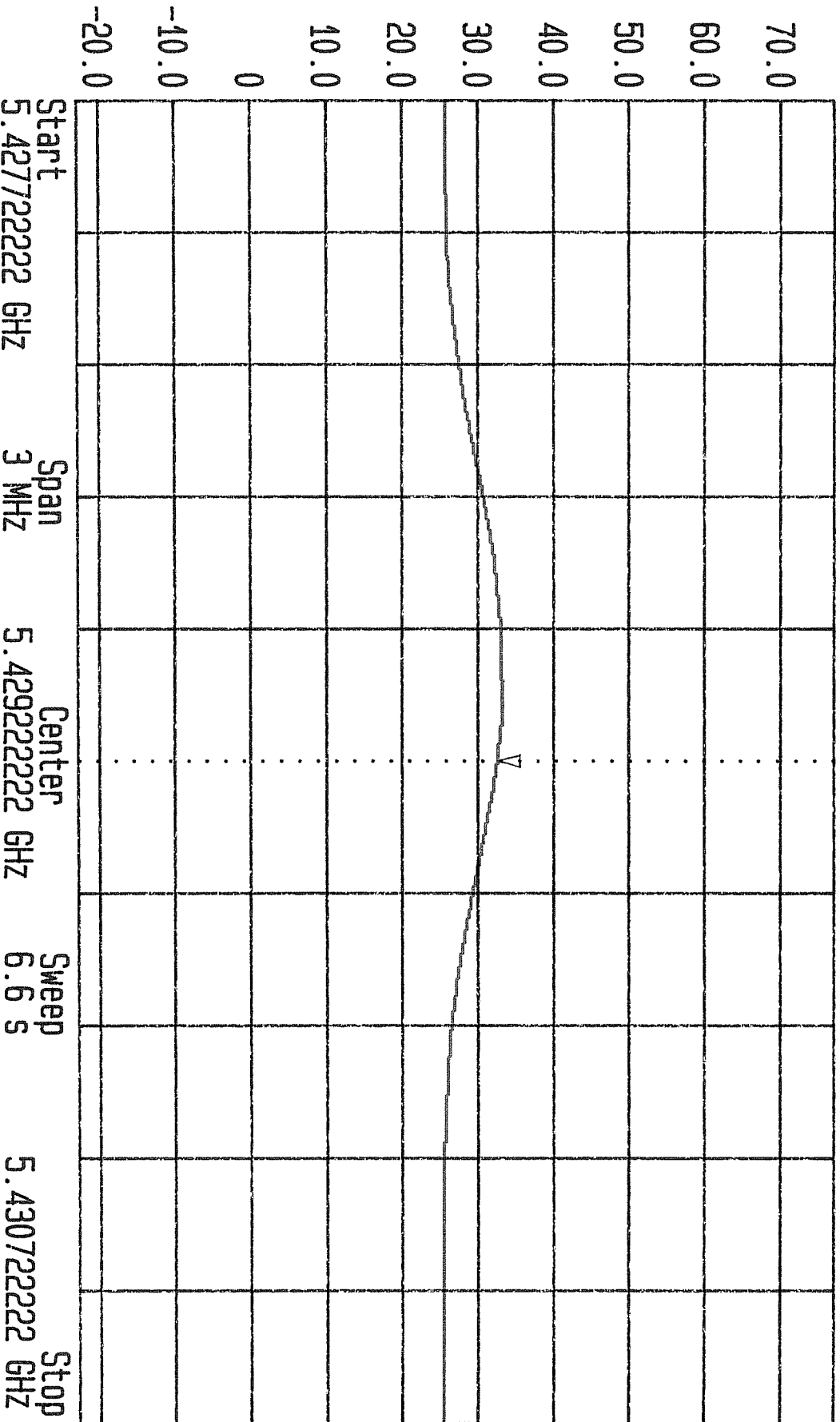


Date 04.Mar.'87 Time 13:14:25
 Ref.Lvl 77.00 dBuV Marker 5.429222 GHz

Res.Bw 1 MHz [imp]
 TG.Lvl 32.57 dBuV
 CF.Stp 300.000 KHz

Vid.Bw 10 Hz
 RF.Att Unit

10 dB [dBuV]



FI