

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

Conducted Spurious Emissions

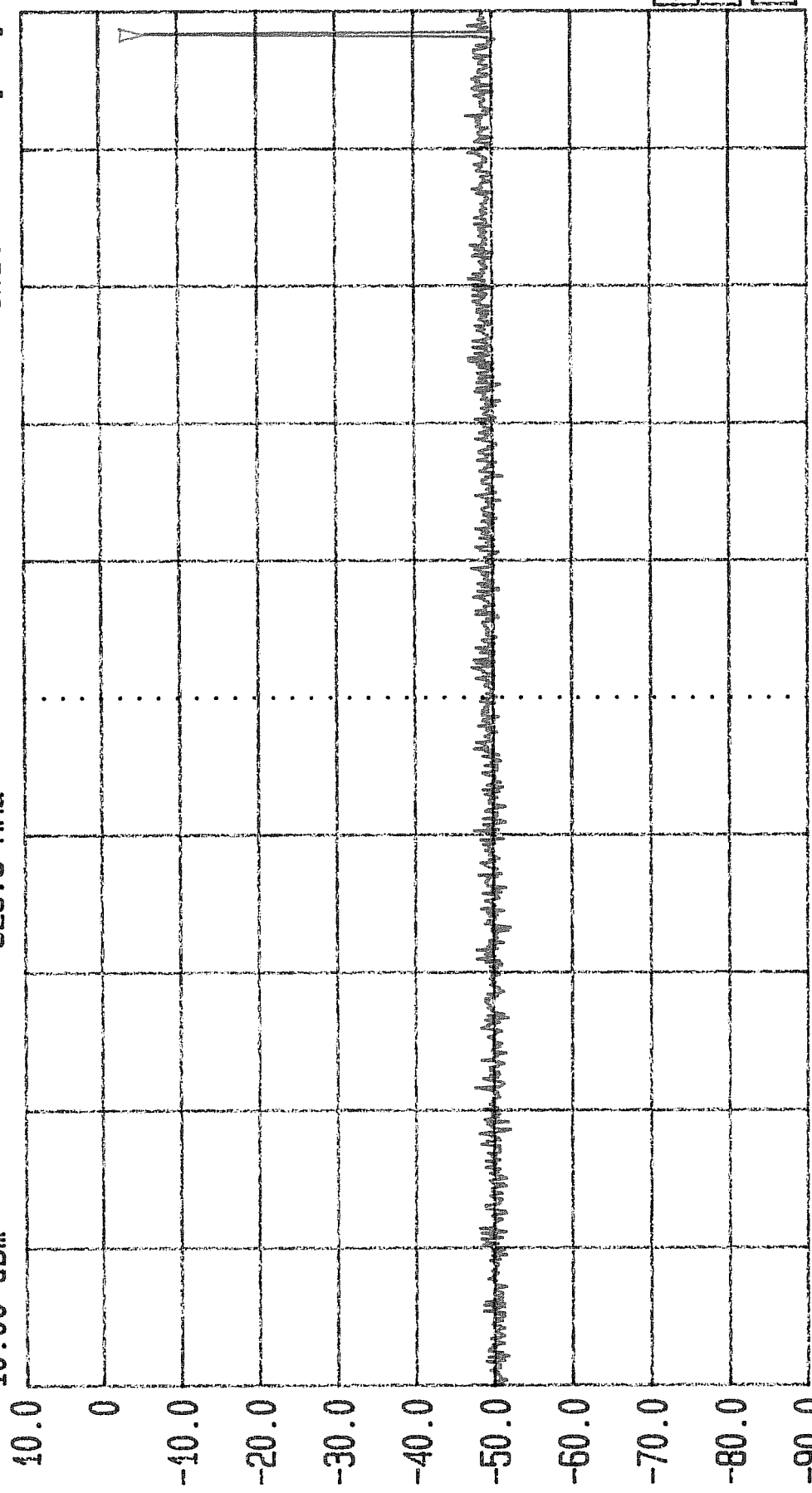
Conducted Spurious Emissions

High Channel



Date 25.May.'04 Time 11:01:38
Ref.Lvl 10.00 dBm
Marker -5.54 dBm
925.8 MHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 924.870 MHz
Vid.Bw 300 kHz
RF.Att 50 dB
Unit [dBm]



Start 30 MHz
Span 910 MHz
Center 485 MHz
Sweep 580 ms
Stop 940 MHz

PA
10
FI



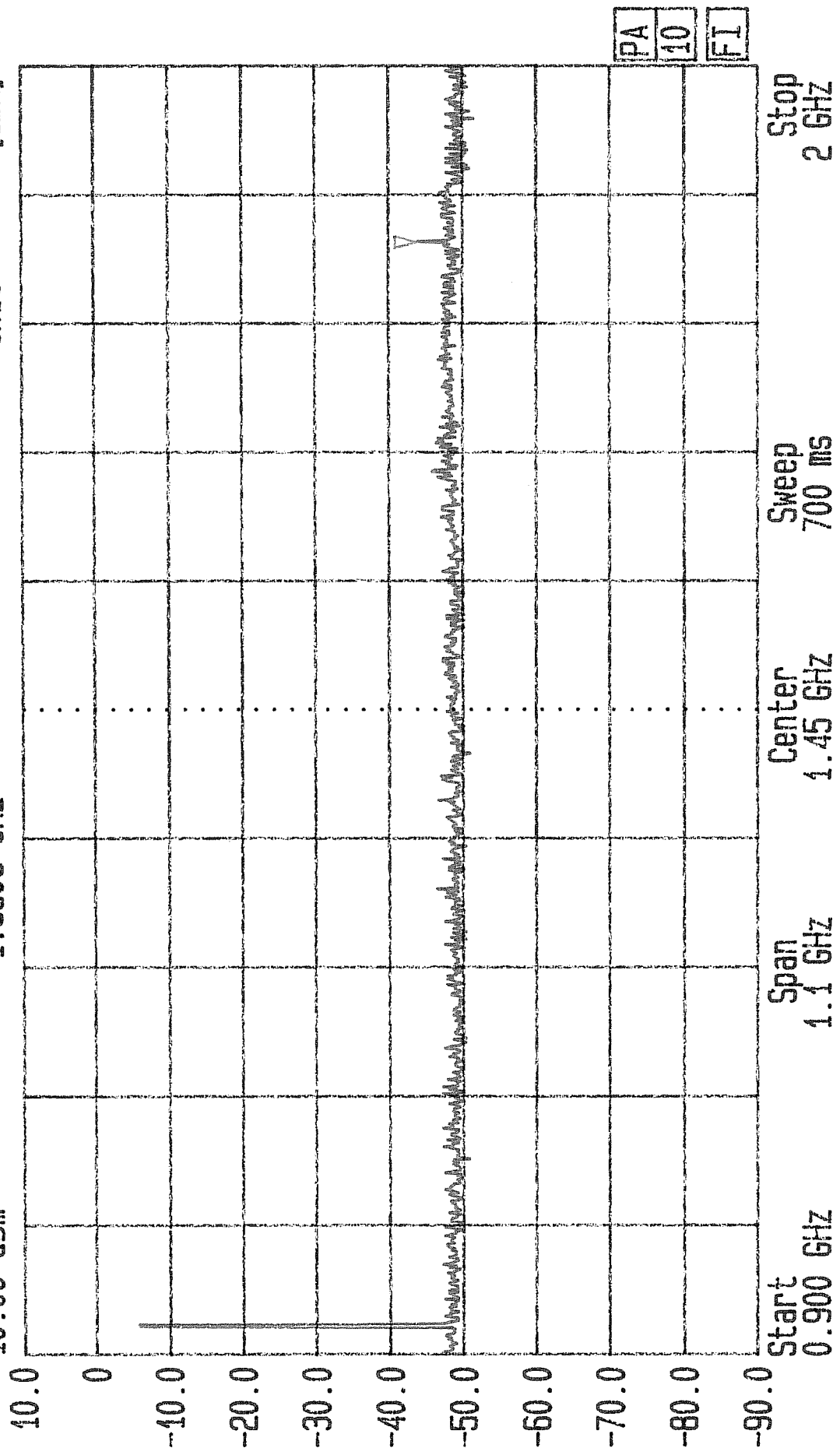
Date 25.May.'04 Time 11:05:07

Ref.Lvl 10.00 dBm

Marker -43.42 dBm
1.8508 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off

Vid.Bw 300 kHz
RF.Att 50 dB [dBm]



PA
10
FI

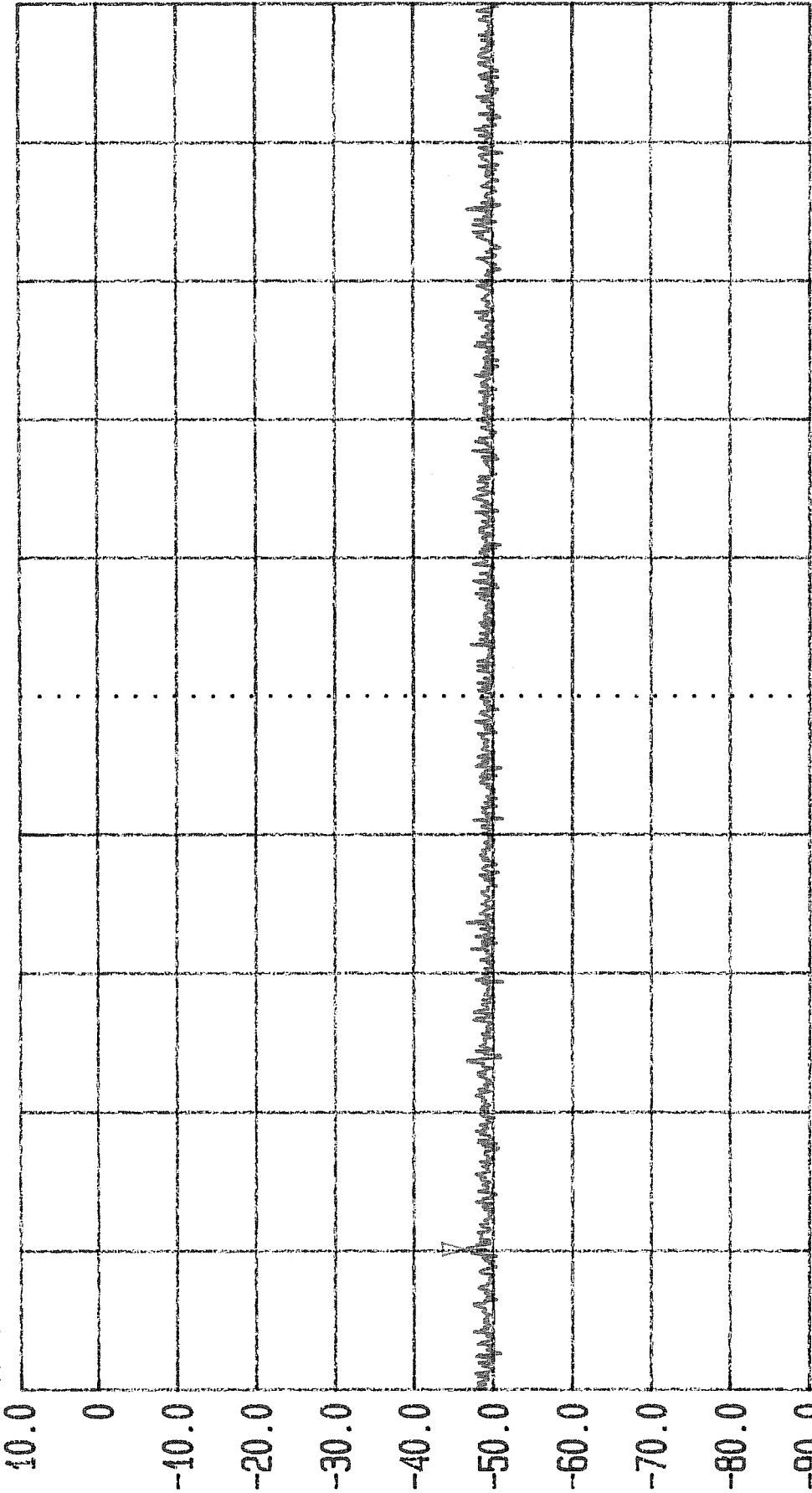


Date 25. May. '04 Time 11:08:27

Ref. Lvl 10.00 dBm
Marker -46.17 dBm
2.1022 GHz

Res. Bw 100 kHz [imp]
TG. Lvl Off
CF. Stp 924.870 MHz

Vid. Bw 300 kHz
RF. Att 50 dB
Unit [dBm]



Start 2 GHz

Span 1 GHz

Center 2.5 GHz

Sweep 640 ms

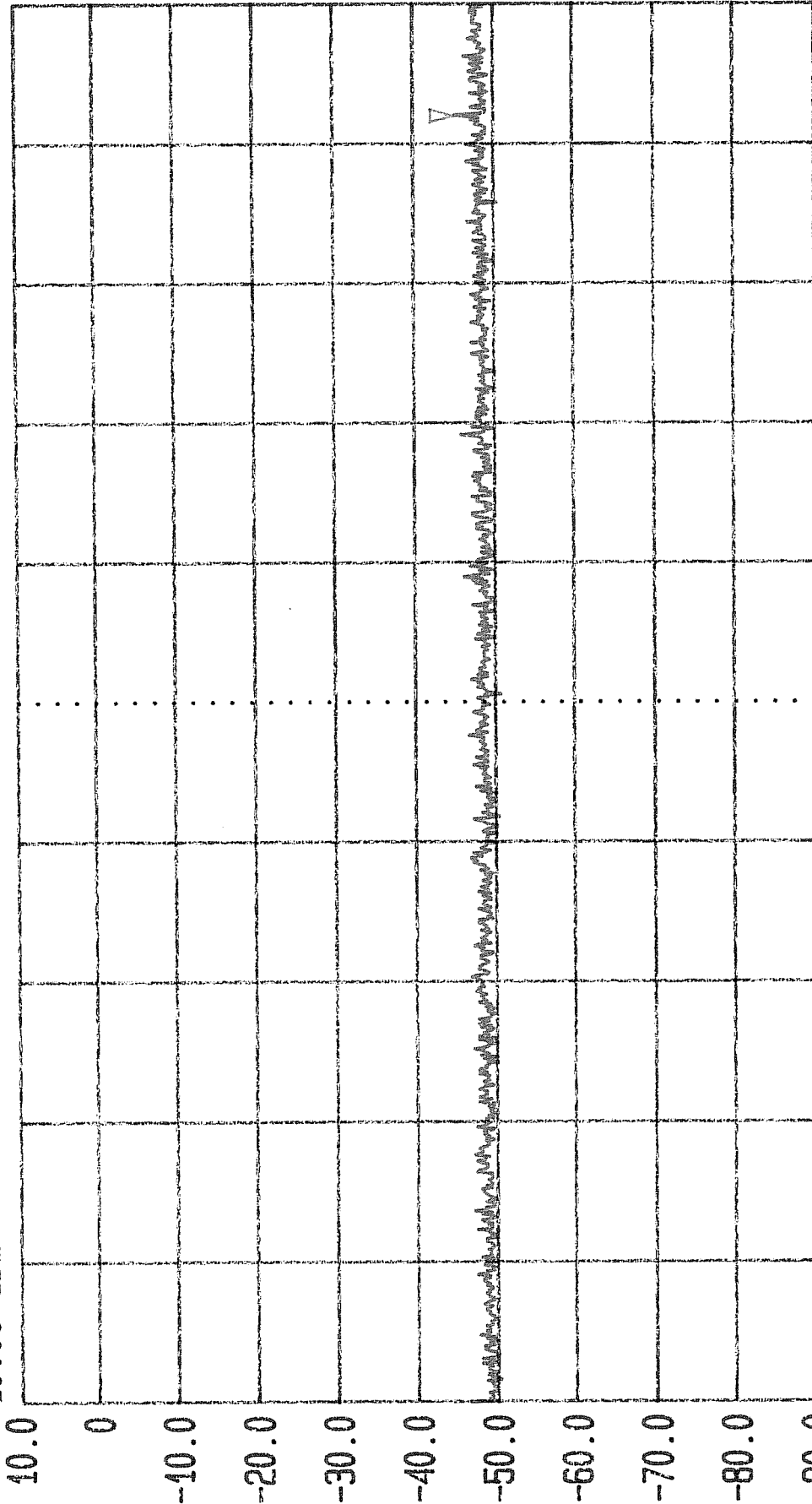
Stop 3 GHz

PA
10
FI



Date 25.May.'04 Time 11:12:04
Ref.Lvl 10.00 dBm
Marker -44.90 dBm
4.8422 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 924.870 MHz
Vid.Bw 300 kHz
RF.Att 50 dB
Unit (dbm)



Start 3 GHz
Span 2 GHz
Center 4 GHz
Sweep 1.28 s
Stop 5 GHz

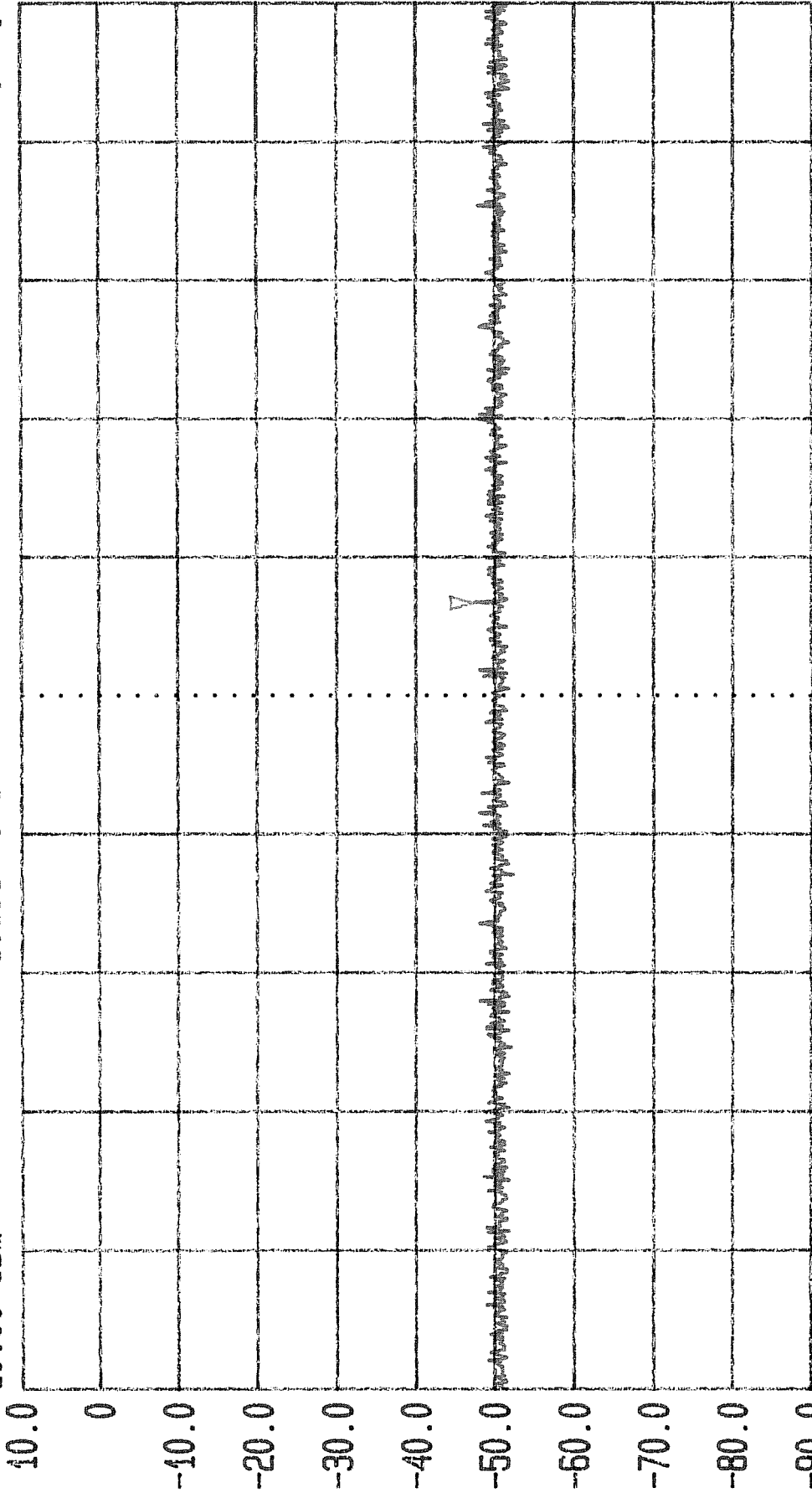
PA
10
FI



Date 25.May.'04 Time 11:15:27
Ref.Lvl 10.00 dBm
Marker -46.95 dBm
6.1355 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 924.870 MHz

Vid.Bw 300 kHz
RF.Att 50 dB
Unit [dBm]



Start 5 GHz

Span 2 GHz

Center 6 GHz

Sweep 1.28 s

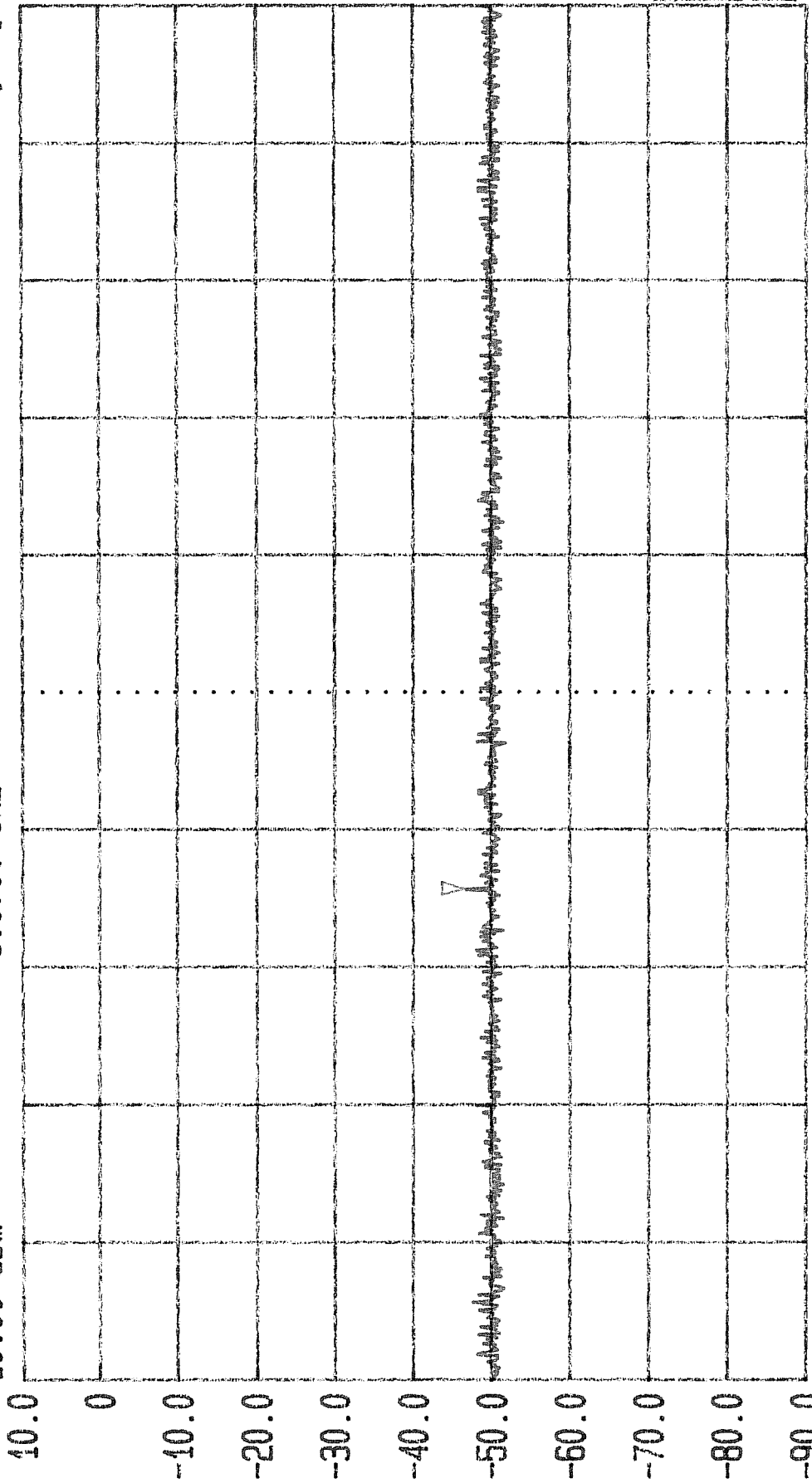
Stop 7 GHz

PA
10
FI



Date 25. May. '04 Time 11:18:42
Ref. Lvl 10.00 dBm
Marker -46.29 dBm
8.0700 GHz

Res. Bw 100 kHz [imp]
TG. Lvl off
CF. Stop 924.870 MHz
Vid. Bw 300 kHz
AF. Att 50 dB
Unit [dBm]



Start 7 GHz
Span 3 GHz
Center 8.5 GHz
Sweep 1.90 s
Stop 10 GHz

Conducted Spurious Emissions

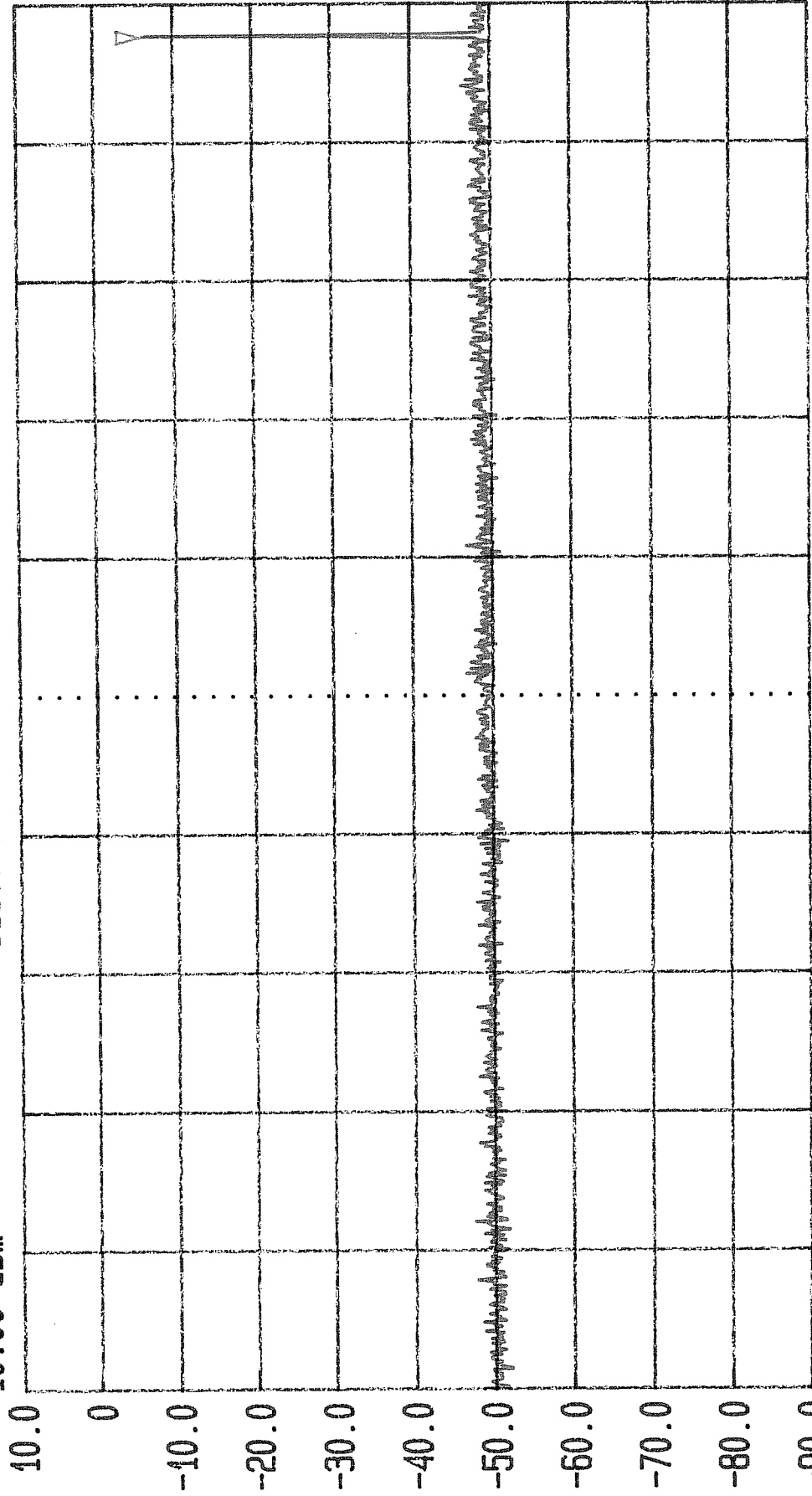
Mid Channel



Date 25.May.'04 Time 10:37:27

Ref.Lvl 10.00 dBm
Marker -5.64 dBm
919.7 MHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 924.870 MHz
Vid.Bw 300 kHz
RF.Att 50 dB
Unit [dBm]



Start 30 MHz
Span 910 MHz
Center 485 MHz
Sweep 580 ms
Stop 940 MHz

PA
10
FI



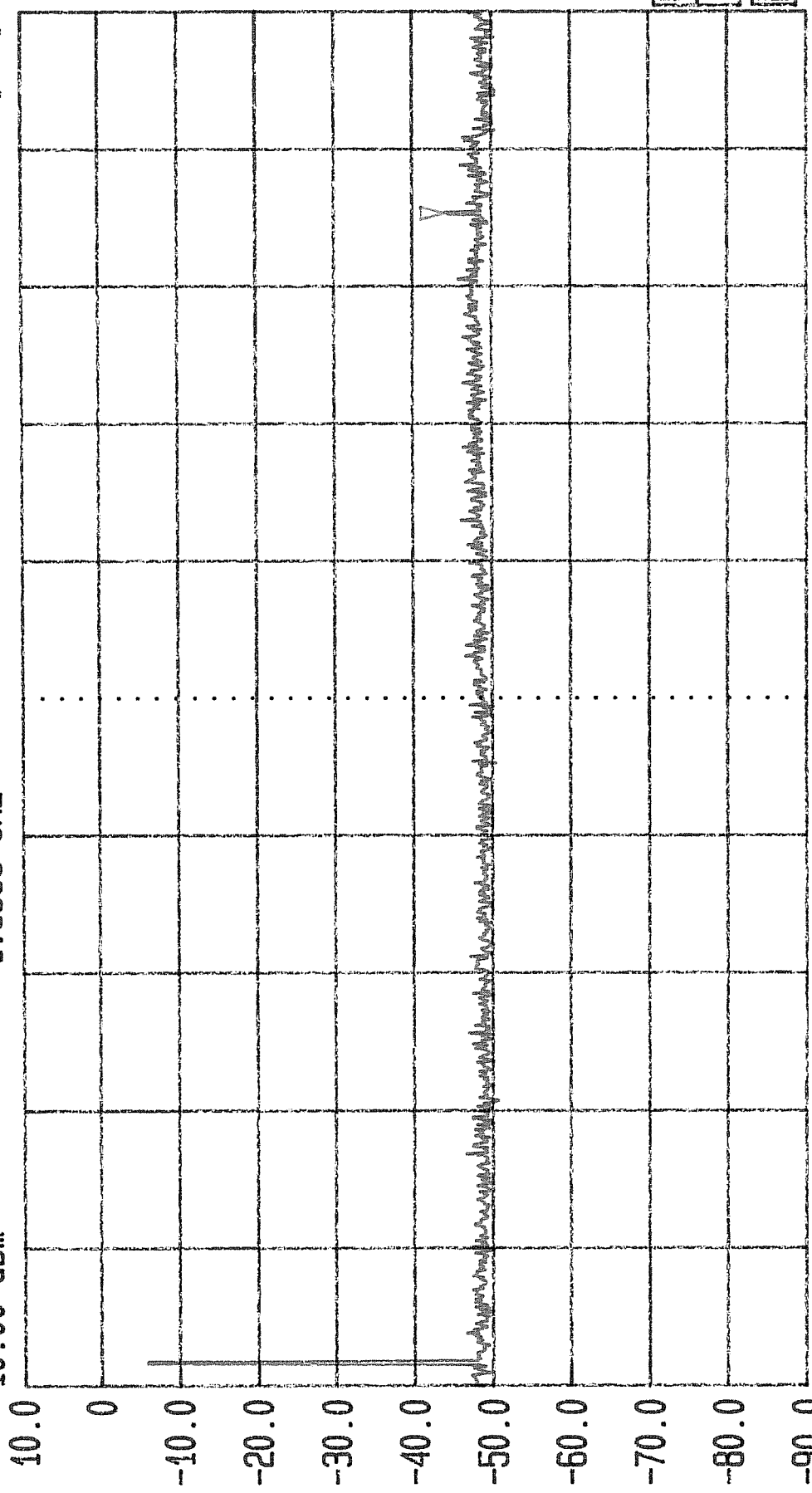
Date 25. May. '04 Time 10:41:08

Ref. Lvl 10.00 dBm

Marker -43.80 dBm
1.8398 GHz

Res. Bw 100 kHz [imp]
TG. Lvl Off
CF. Stp 924.870 MHz

Vid. Bw 300 kHz
RF. Att 50 dB
Unit [dBm]



PA
10
FI



Date 25. May. '04 Time 10:44:27

Ref. Lvl 10.00 dBm

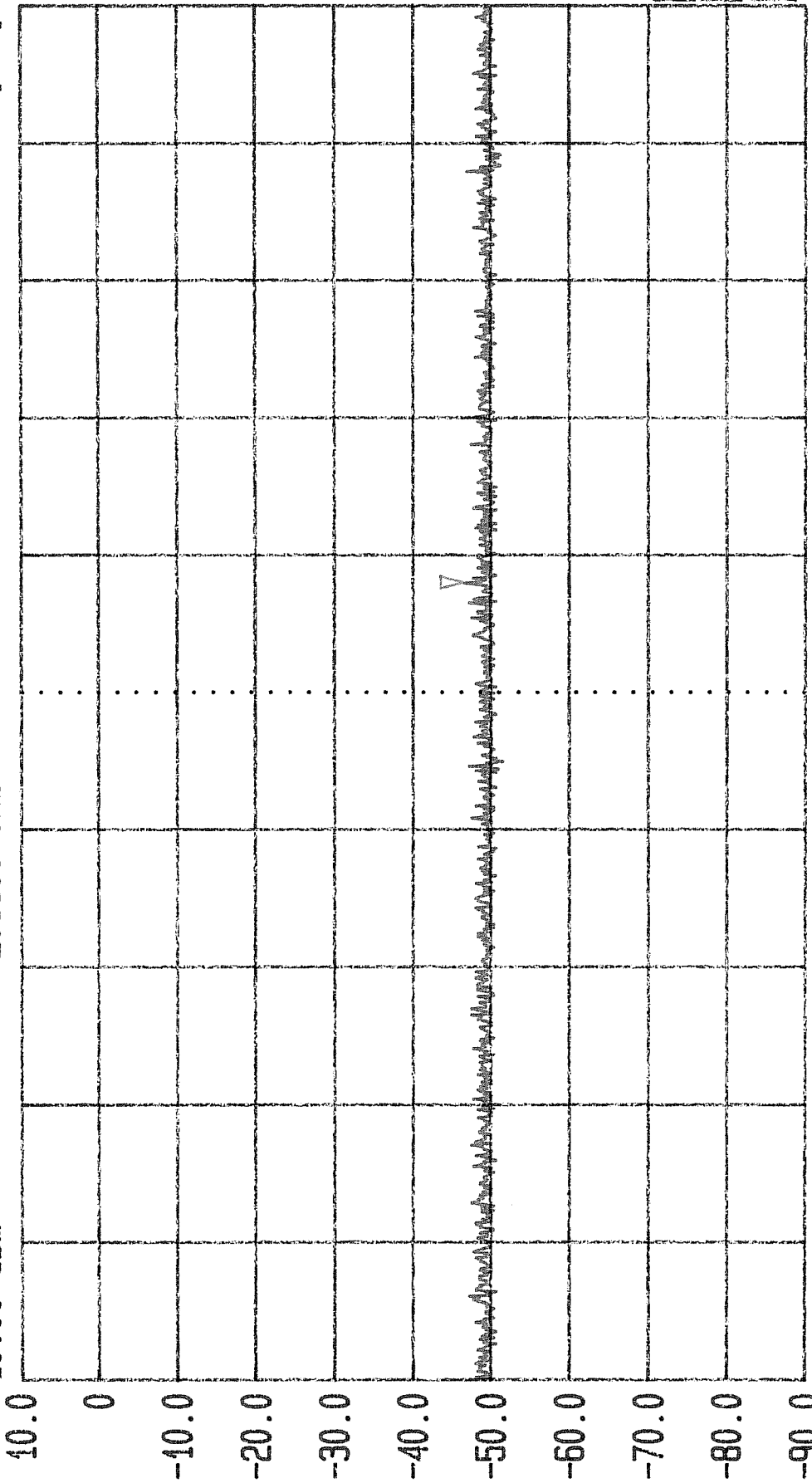
Marker

-46.24 dBm
2.5800 GHz

Res. Bw 100 kHz [imp]
TG. Lvl off

CF. Stp 924.870 MHz

Vid. Bw 300 kHz
RF. Att 50 dB
Unit [dBm]



Start 2 GHz

Span 1 GHz

Center 2.5 GHz

Sweep 640 ms

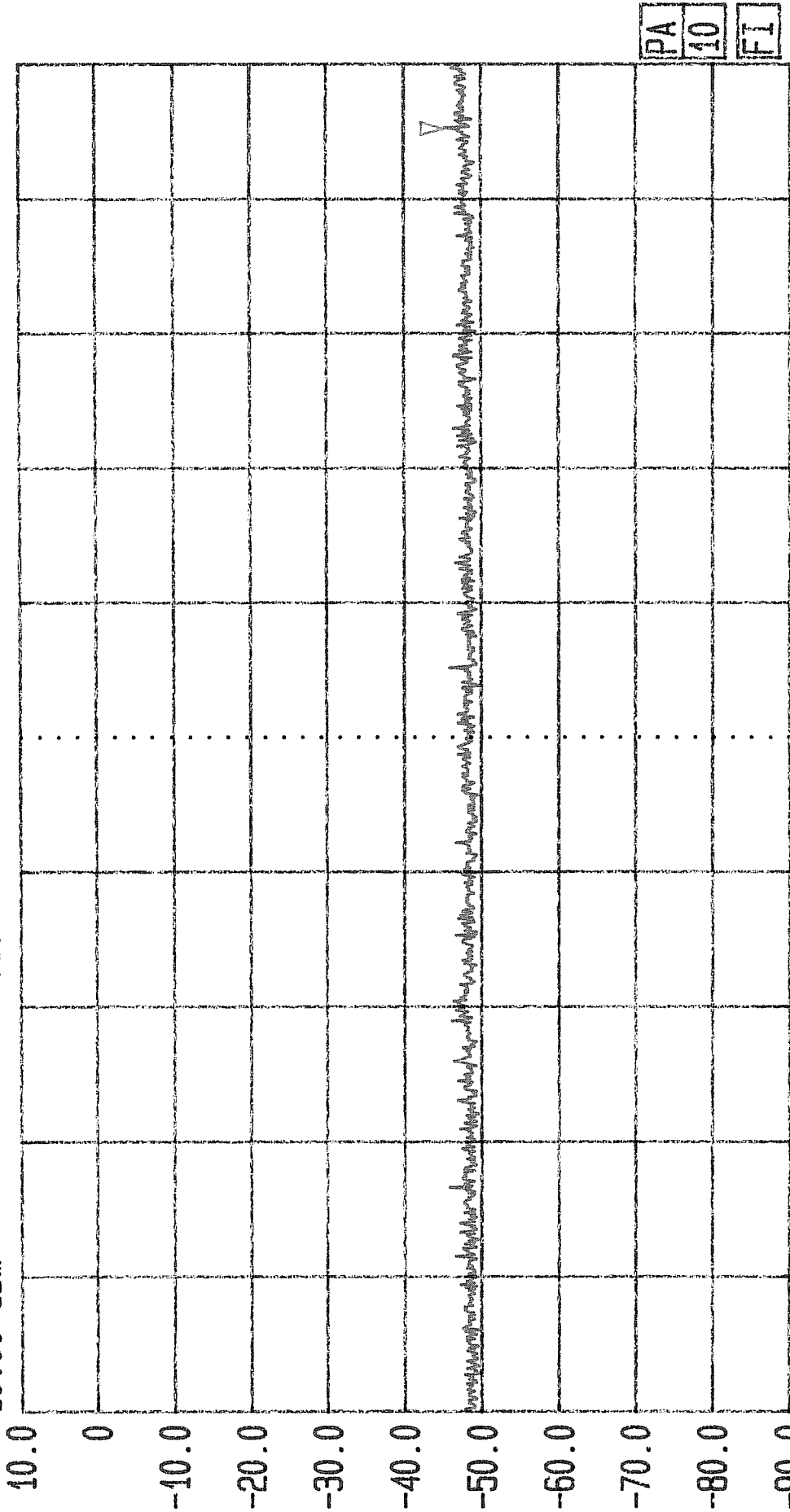
Stop 3 GHz

PA
10
FI



Date 25. May. '04 Time 10:47:50
Ref. Lvl 10.00 dBm
Marker -44.90 dBm
4.9066 GHz

Res. BW 100 kHz [imp]
TG. Lvl Off
CF. Stp 924.870 MHz
Vid. BW 300 kHz
RF. Att 50 dB
Unit [dBm]



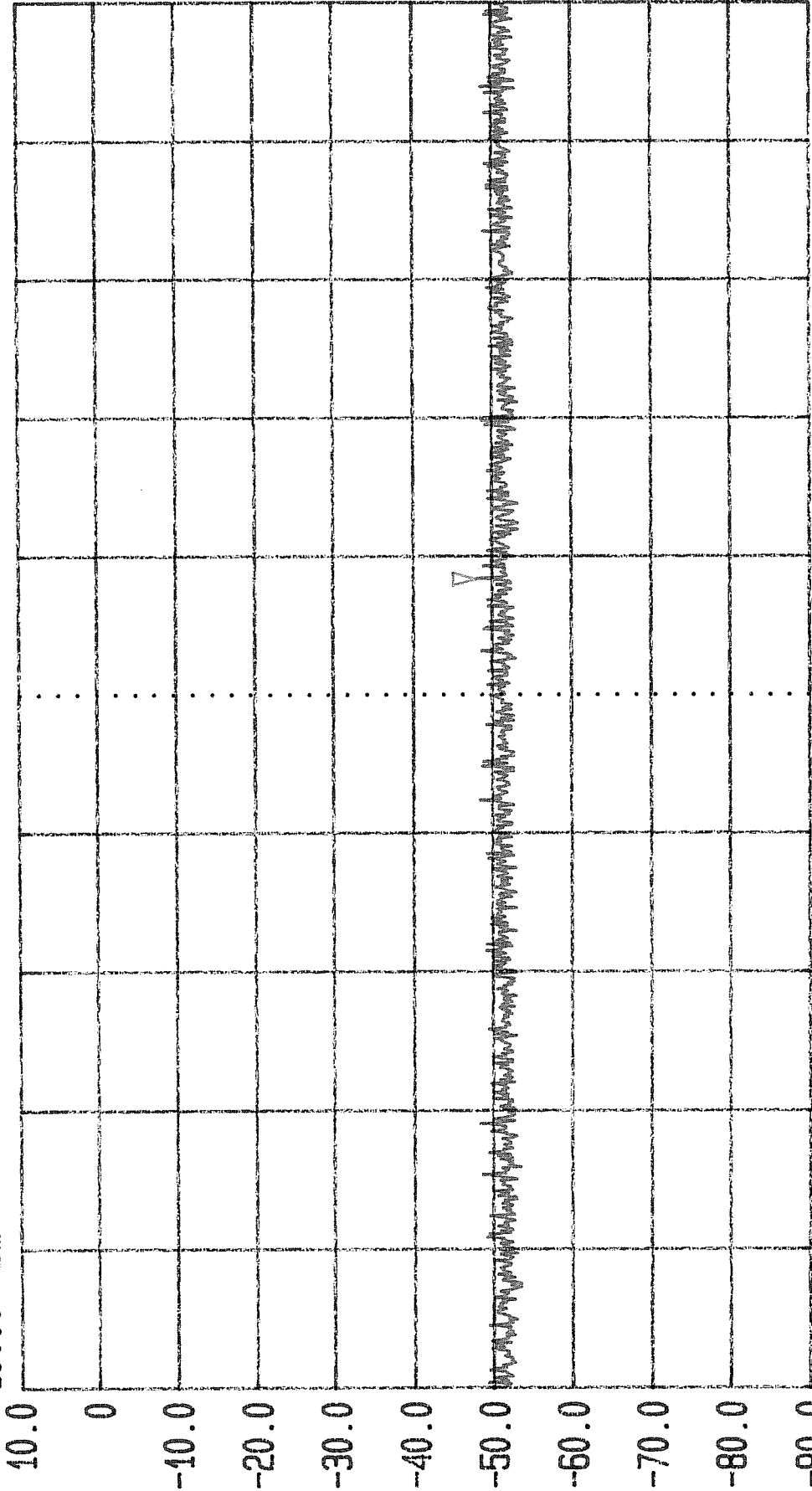
Start 3 GHz
Span 2 GHz
Center 4 GHz
Sweep 1.28 s
Stop 5 GHz

PA
10
FI



Date 25.May.'04 Time 10:51:31
Ref.Lvl 10.00 dBm
Marker -47.64 dBm
6.1688 GHz

Res.Bw 100 kHz [imp] off
TG.Lvl 924.870 MHz
CF.Stp 50 dBm
Vid.Bw 300 kHz
AF.Att Unit



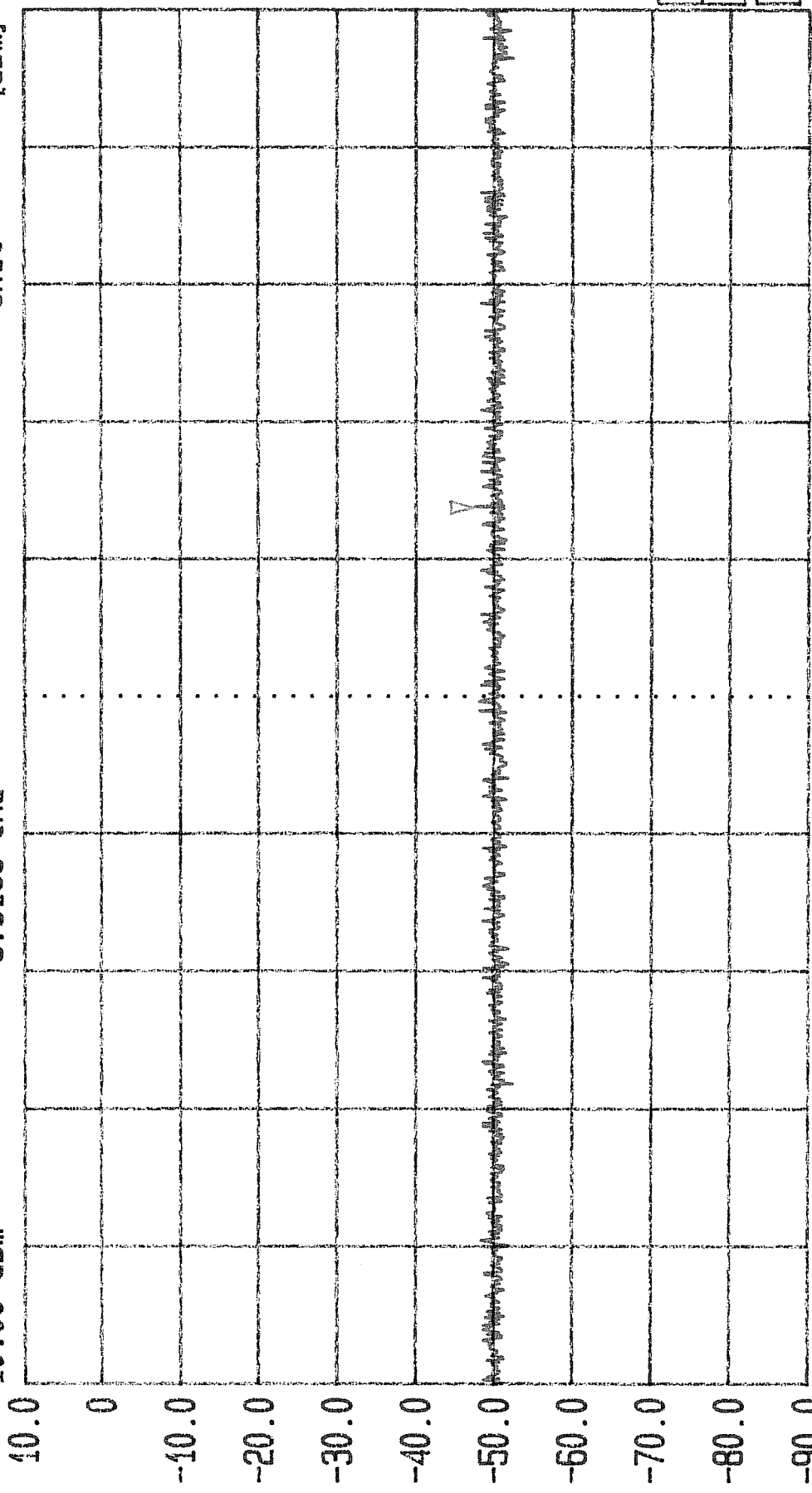
PA
10
FI

Start 5 GHz
Span 2 GHz
Center 6 GHz
Sweep 1.28 s
Stop 7 GHz



Date 25.May.'04 Time 10:55:55
Ref.Lvl 10.00 dBm
Marker -47.05 dBm
8.9166 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 924.870 MHz
Vid.Bw 300 kHz
RF.Att 50 dB
Unit [dBm]



Start 7 GHz
Center 8.5 GHz
Stop 10 GHz
Span 3 GHz
Sweep 1.90 s

PA
10
FI

Conducted Spurious Emissions

Low Channel

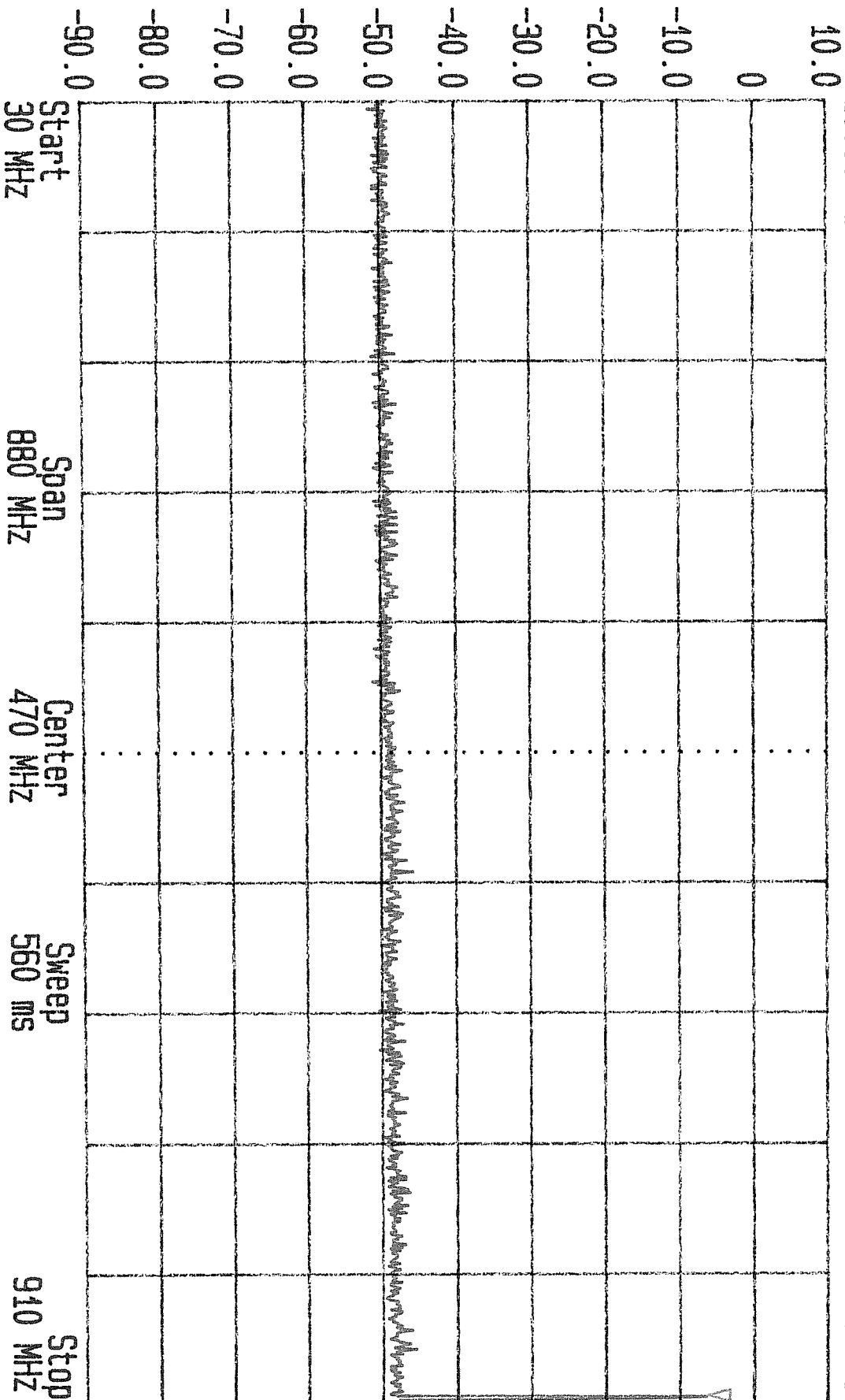


Date 25. May. '04 Time 10:15:14
 Ref. Lvl 10.00 dBm Marker -5.89 dBm
 905.1 MHz

Res. Bw 100 kHz [imp]
 TG Lvl 1
 CF. Stp off

924.870 MHz

Vid. Bw 300 kHz
 RF Att Unit 50 dB [dBm]

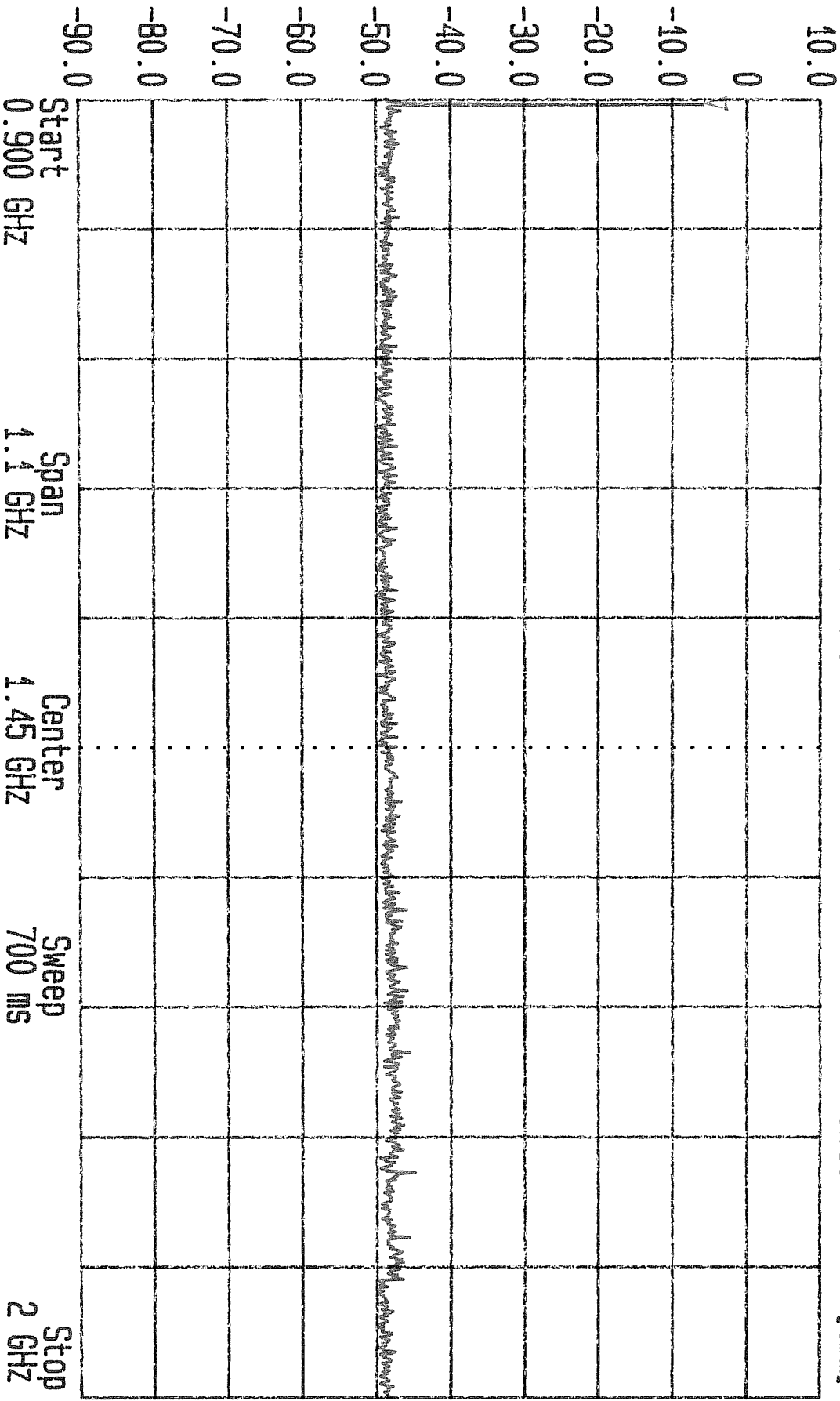


PA 10
 FI



Date 25.May.'04 Time 10:18:39
 Ref.Lvl 10.00 dBm Marker -5.38 dBm
 904.8 MHz

Res.Bw 100 KHz [imp]
 TG.Lvl 10.00 dBm
 CF.Stp 924.870 MHz
 Vid.Bw 300 KHz
 RF.Att Unit
 50 dB [dBm]

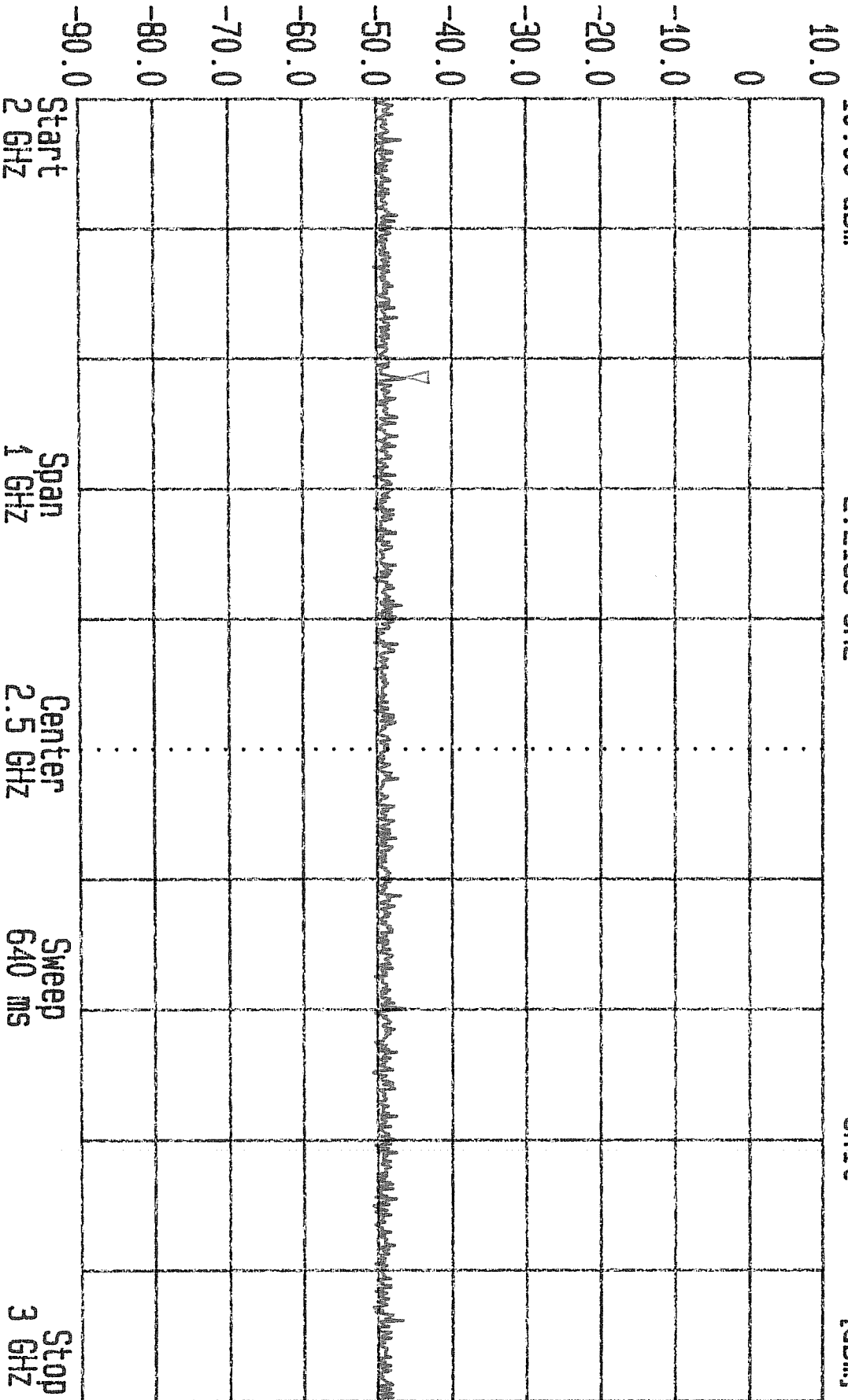


Start 0.900 GHz Span 1.1 GHz Center 1.45 GHz Sweep 700 ms Stop 2 GHz

PA 10 FI



Date 25. May. '04 Time 10:22:01 Res. Bw 100 KHz [imp]
 Ref. Lvl 10.00 dBm Marker -45.73 dBm CF. Stp 924.870 MHz off Vid. Bw 300 KHz
 RF. Att Unit 50 dB [dBm]

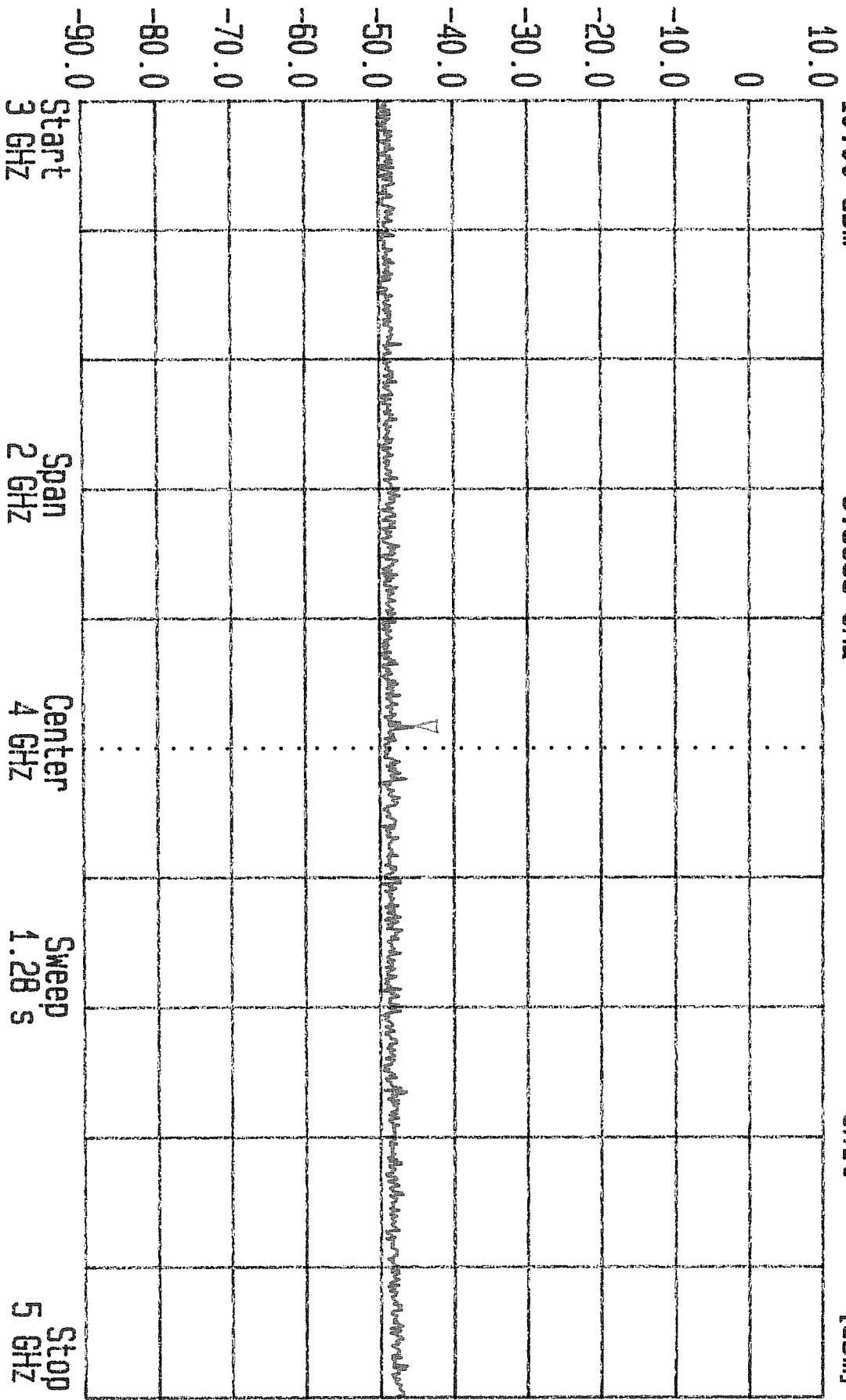


Start 2 GHz Span 1 GHz Center 2.5 GHz Sweep 640 ms Stop 3 GHz

PA 10 FI



Date 25. May. '04 Time 10:25:23 Res. Bw 100 KHz [imp] Vid. Bw 300 KHz
 Ref. Lvl 10.00 dBm Marker -44.90 dBm CF. Stp 16. Lvl 1 off 924.870 MHz RF. Att Unit 50 dB
 3.9688 GHz

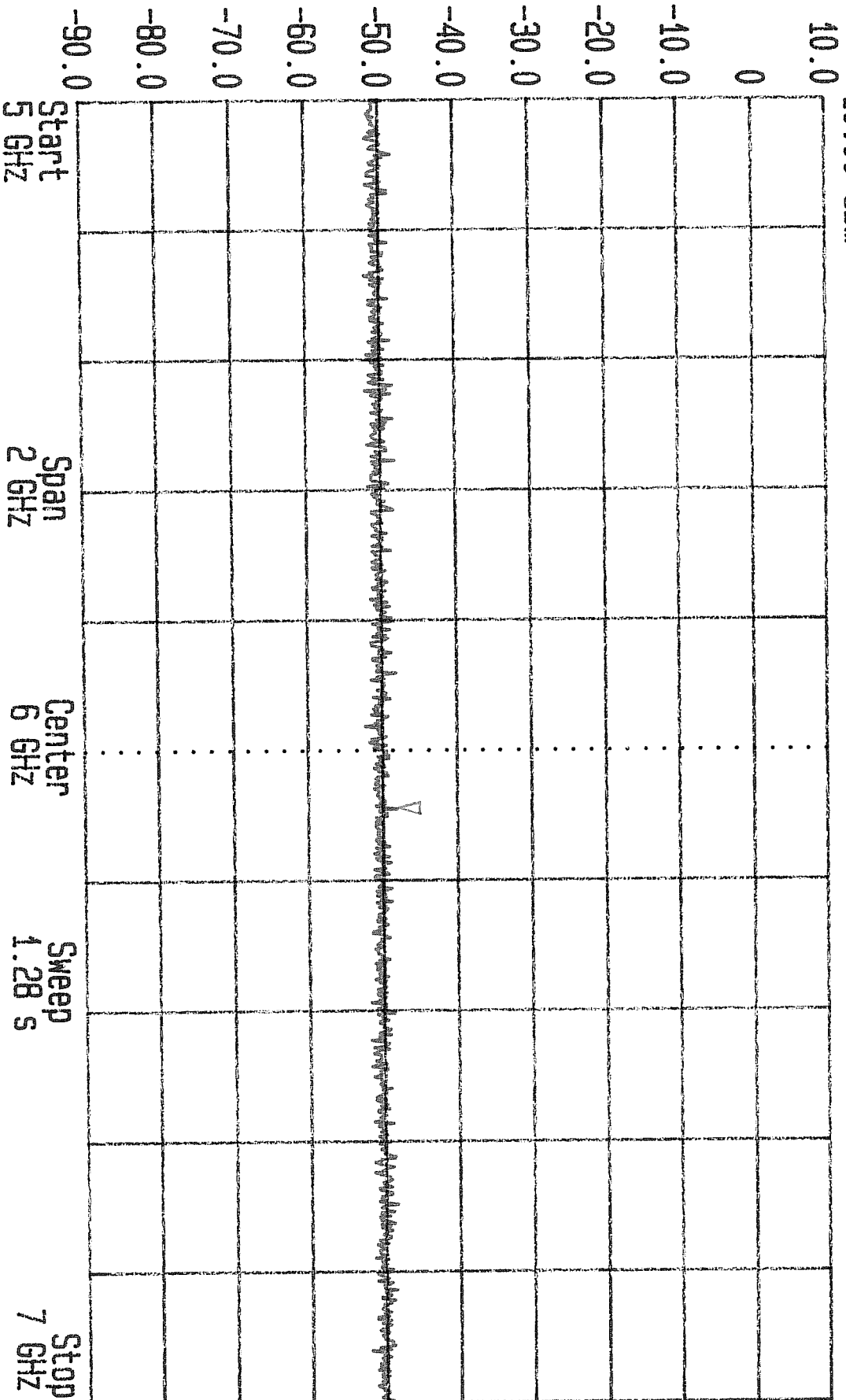


PA 10
 FI



Date 25. May. '04 Time 10:28:39
 Ref. Lvl 10.00 dBm Marker -47.59 dBm
 6.0911 GHz

Res. BW 100 kHz [imp]
 TG. Lvl 1 off
 CF. Stp 924.870 MHz
 Vid. BW 300 kHz
 RF. Att 50 dB
 Unit [dBm]



PA
 10
 FI

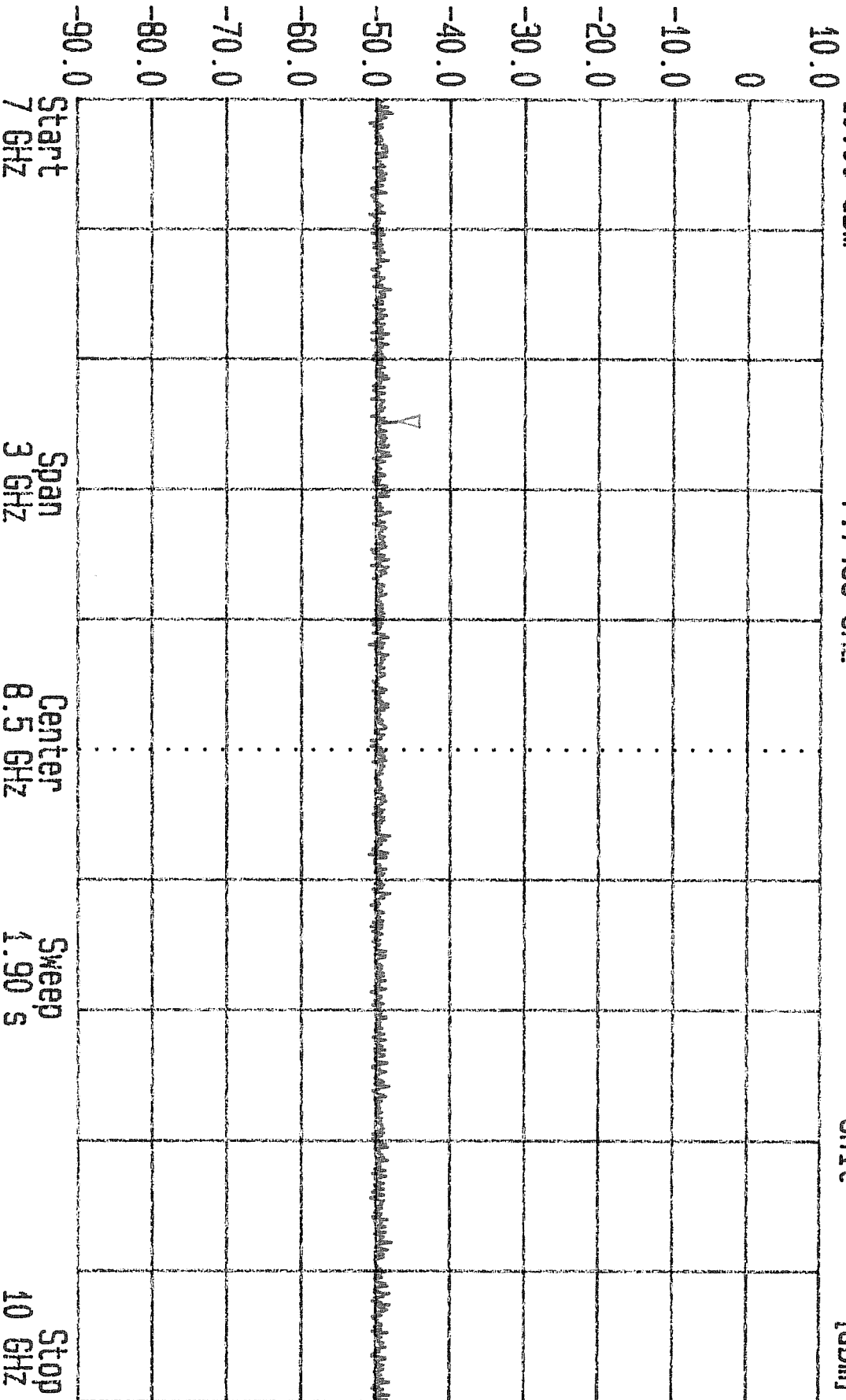


Date 25.May.'04 Time 10:32:19
 Ref.Lvl 10.00 dBm Marker -46.90 dBm
 7.7466 GHz

Res.Bw 100 KHz [Imp]
 TG.Lvl 16.Lvl
 CF.Stp

924.870 MHz
 Off

Vid.Bw 300 KHz
 RF.Att Unit
 50 dB [dBm]



Start 7 GHz

Span 3 GHz

Center 8.5 GHz

Sweep 1.90 s

Stop 10 GHz

PA
 10
 FI