

Type Acceptance Test Report

Wideband FM Audio/Video Transmit Module

FCC ID: QN41500

FCC Rule Part: 90

ACS Report Number: 03-0091-90TA

Manufacturer: Datawave

Model: Datawave1500

Data Plots



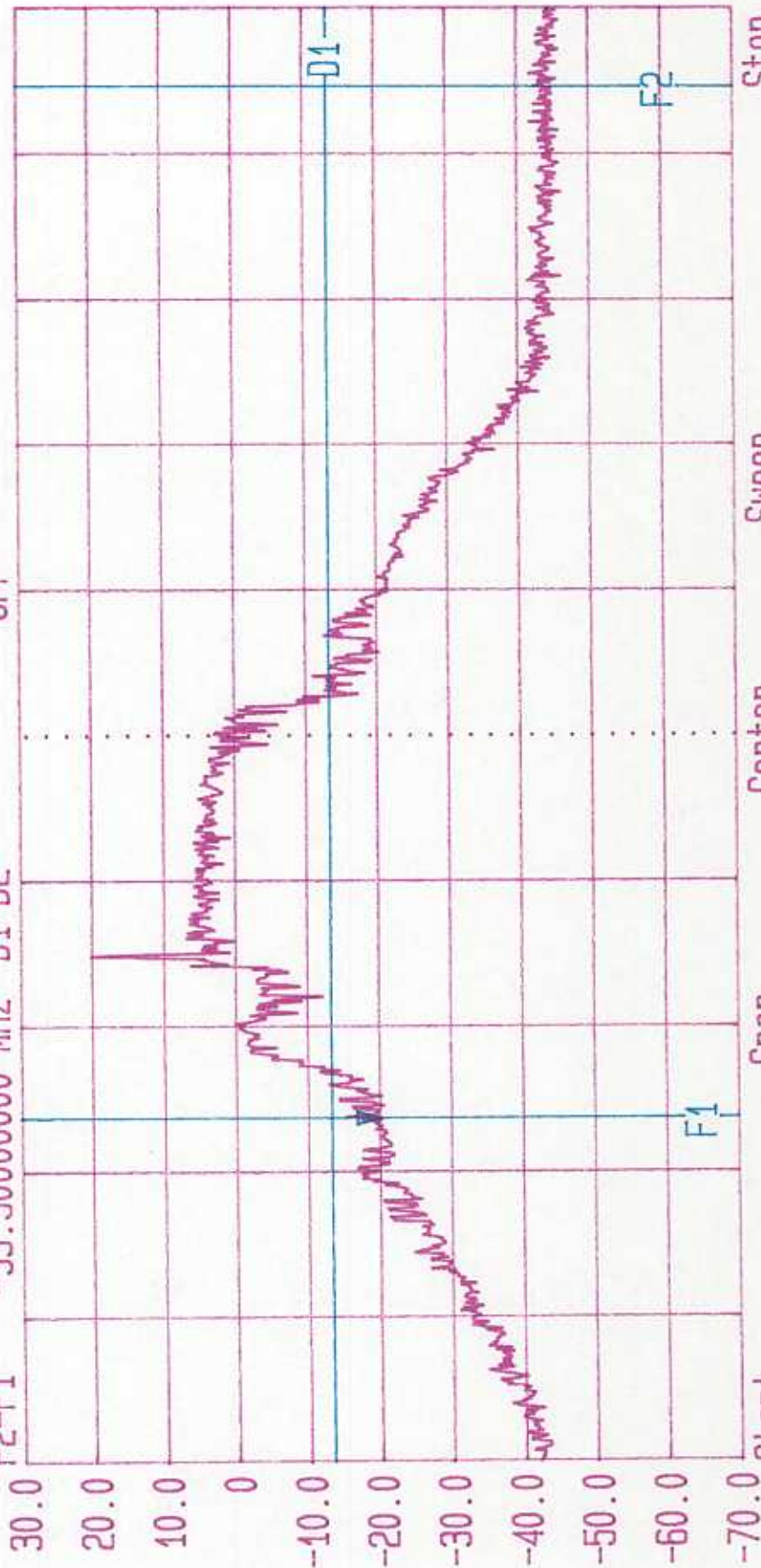
Date 20.May.'03 Time 12:38:13

Ref.Lvl 30.00 dBm
Marker -20.20 dBm
2.45000 GHz

F1 2.4500000000 GHz D1
F2 2.4835000000 GHz D2
F2-F1 -33.50000000 MHz D1-D2

Res.Bw 30.0 kHz [3dB]
TG.Lvl off
CF.Stp 4.719 MHz
Vid.Bw 10 kHz
RF.Att 60 dB
Unit [dBm]

-13.00 dBm
OFF
OFF



03-0091 Low Channel Conducted Spurious Emissions



Date 20.May.'03 Time 12:46:43

Ref.Lvl 30.00 dBm

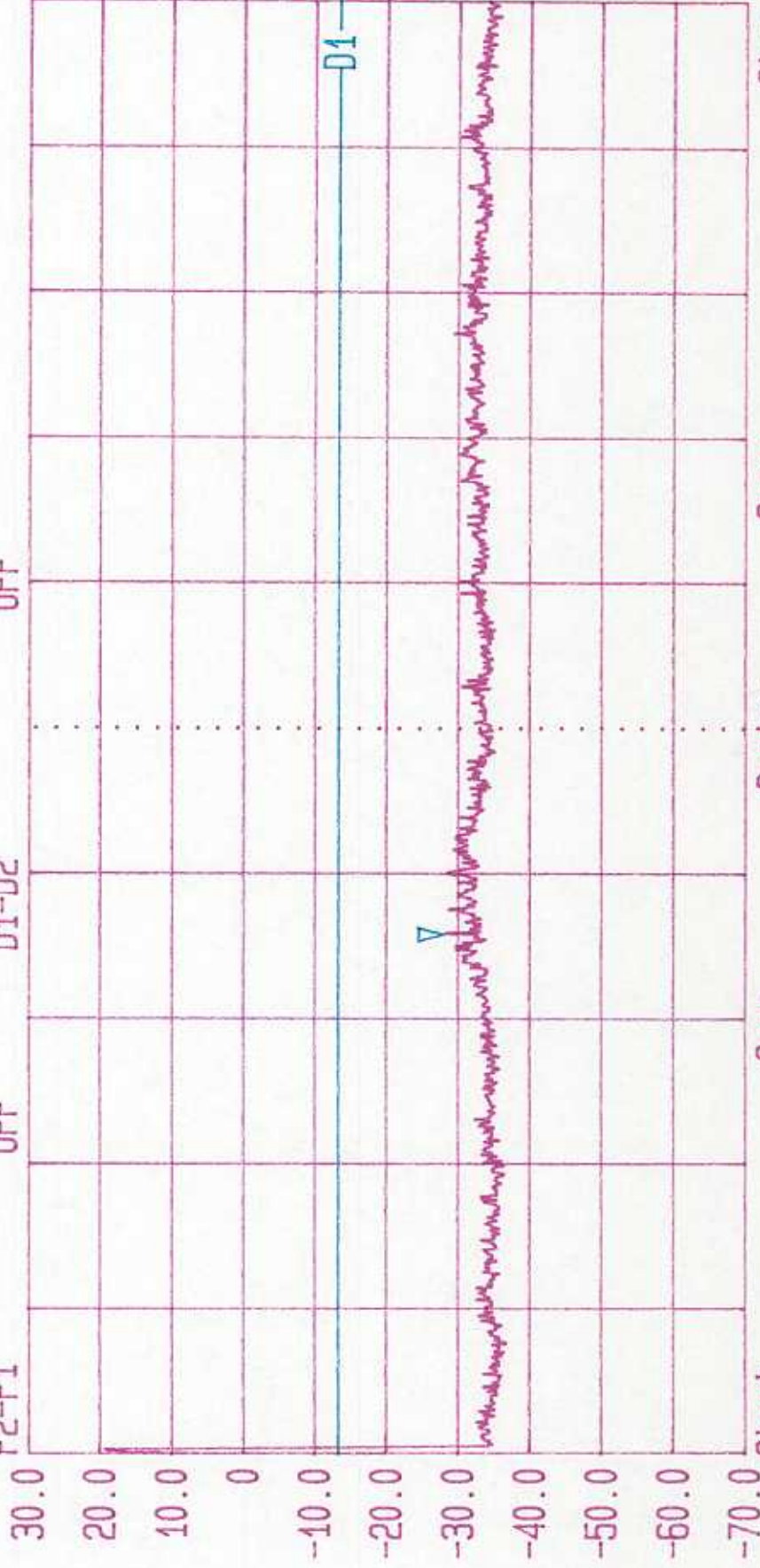
Marker -28.02 dBm
5.1524 GHz

F1 OFF
F2 OFF
F2-F1 OFF

D1
D2
D1-D2

-13.00 dBm
OFF
OFF

Res.Bw 120 kHz [imp]
TG.Lvl off
CF.Stp 756.119 MHz
Vid.Bw 300 kHz
RF.Att 60 dB
Unit [dBm]



03-0091 Low Channel Conducted Spurious Emissions

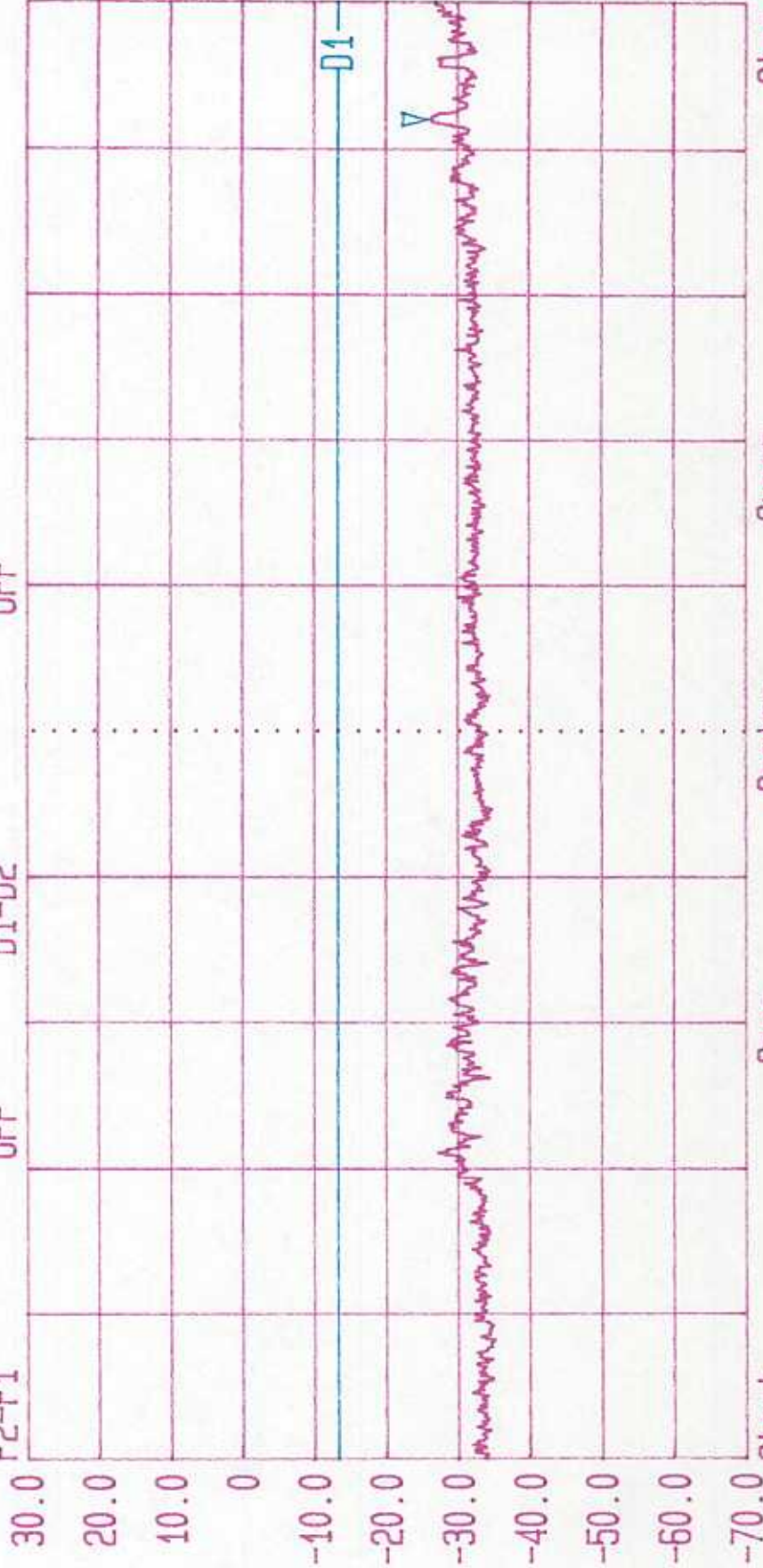


Date 20.May.'03 Time 12:51:26
Ref.Lvl 30.00 dBm
Marker -25.68 dBm
23.8000 GHz

F1 OFF D1
F2 OFF D2
F2-F1 OFF D1-D2

Res.Bw 120 kHz [imp] 300 kHz
TG.Lvl off
CF.Stp 1.500 GHz
Vid.Bw RF.Att Unit
60 dB [dBm]

-13.00 dBm
OFF
OFF



Start 10 GHz
Span 15 GHz
Center 17.5 GHz
Sweep 6.6 s
Stop 25 GHz

03-0091 Low Channel Conducted Spurious Emissions



Date 20.May.'03 Time 11:36:51

Ref.Lvl 30.00 dBm
Marker -21.16 dBm
2.48350 GHz

F1 2.4500000000 GHz D1
F2 2.4835000000 GHz D2
F2-F1 -33.50000000 MHz D1-D2

Res.Bw 30.0 kHz [3dB]
T6.Lvl off
CF.Stp 3.900 MHz
Vid.Bw 10 kHz
RF.Att 60 dB
Unit [dBm]

-13.00 dBm
OFF
OFF



Start 2.447 GHz
Span 39 MHz
Center 2.465 GHz
Sweep 400 ms
Stop 2.486 GHz

03-0091 High Channel Conducted Spurious Emissions



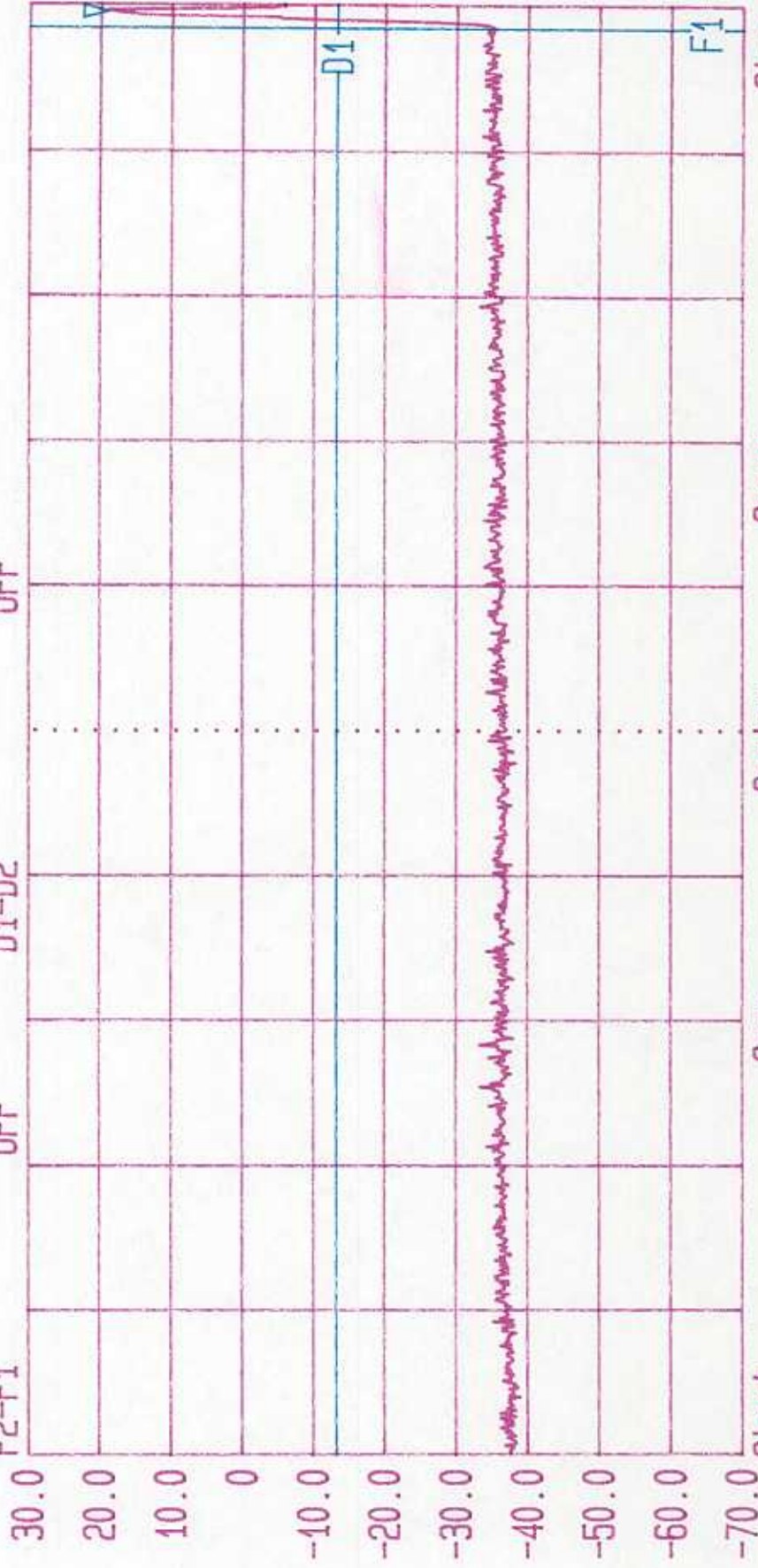
Date 20.May.'03 Time 11:47:03

Ref.Lvl Marker 19.11 dBm
30.00 dBm 2.4778 GHz

F1 2.450000000000 GHz D1
F2 OFF D2
F2-F1 OFF D1-D2

Res.Bw 120 kHz [imp] 300 kHz
TG.Lvl Off
CF.Stp 245.600 MHz
HF.Att Unit
60 dB [dBm]

-13.00 dBm
OFF
OFF



Start 0.030 GHz
Span 2.456 GHz
Center 1.258 GHz
Sweep 1.08 s
Stop 2.486 GHz

03-0091 High Channel Conducted Spurious Emissions

Ref. Lvl
30.00 dBm

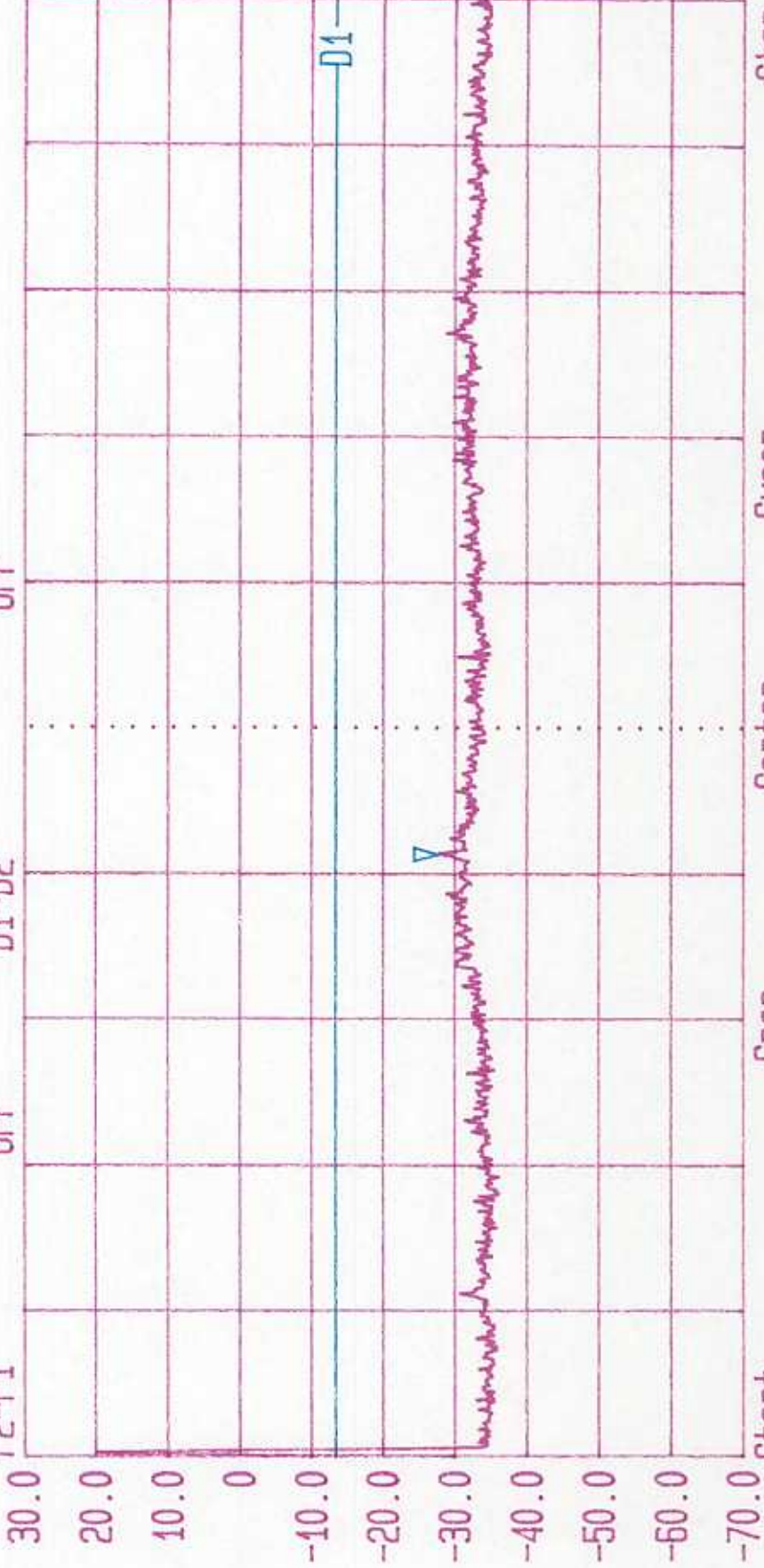
Marker

-27.69 dBm
5.5790 GHz

1121
1122
1123

-13.00 dBm
OFF
OFF

Res.Bw	120 kHz [imp]	Vid.Bw	300 kHz
TG.Lvl			
CF.Stp	755.000 MHz	RF.Att	60 dB
		Unit	[dBm]



Sweep	Stop
3.4 S	10 GHz

Start	Span	Center
2.45 GHz	7.55 GHz	6.225 GHz



Date 20.May.'03 Time 11:57:57

Ref.Lvl 30.00 dBm

Marker -25.18 dBm

23.8000 GHz

F1

OFF

D1

F2

OFF

D2

F2-F1

OFF

D1-D2

Res.Bw 120 kHz [imp]

off

1.500 GHz

-13.00 dBm

OFF

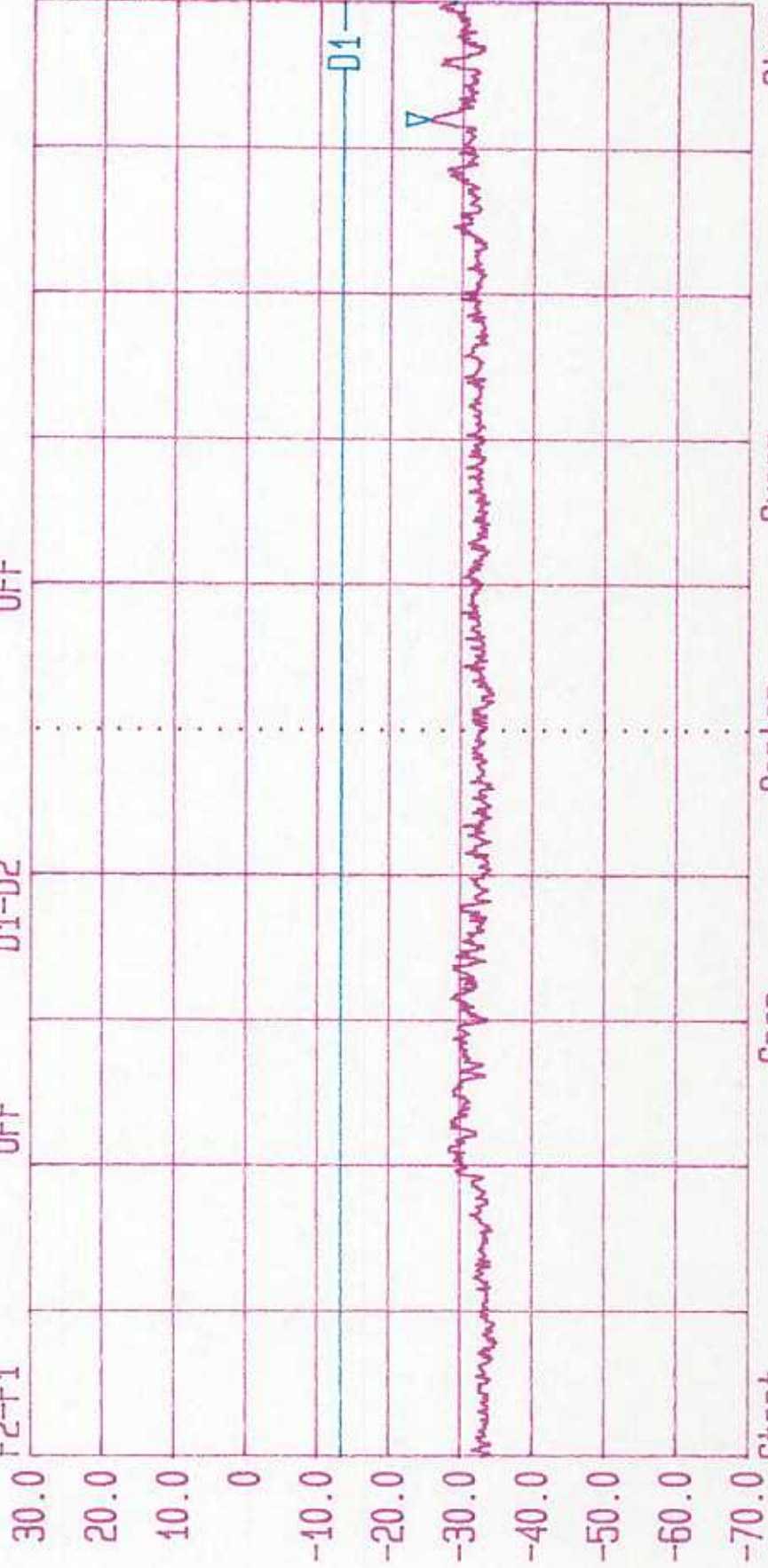
OFF

Vid.Bw 300 kHz

RF.Att

60 dB

[dBm]



Start 10 GHz

Span 15 GHz

Center 17.5 GHz

Sweep 6.6 s

Stop 25 GHz

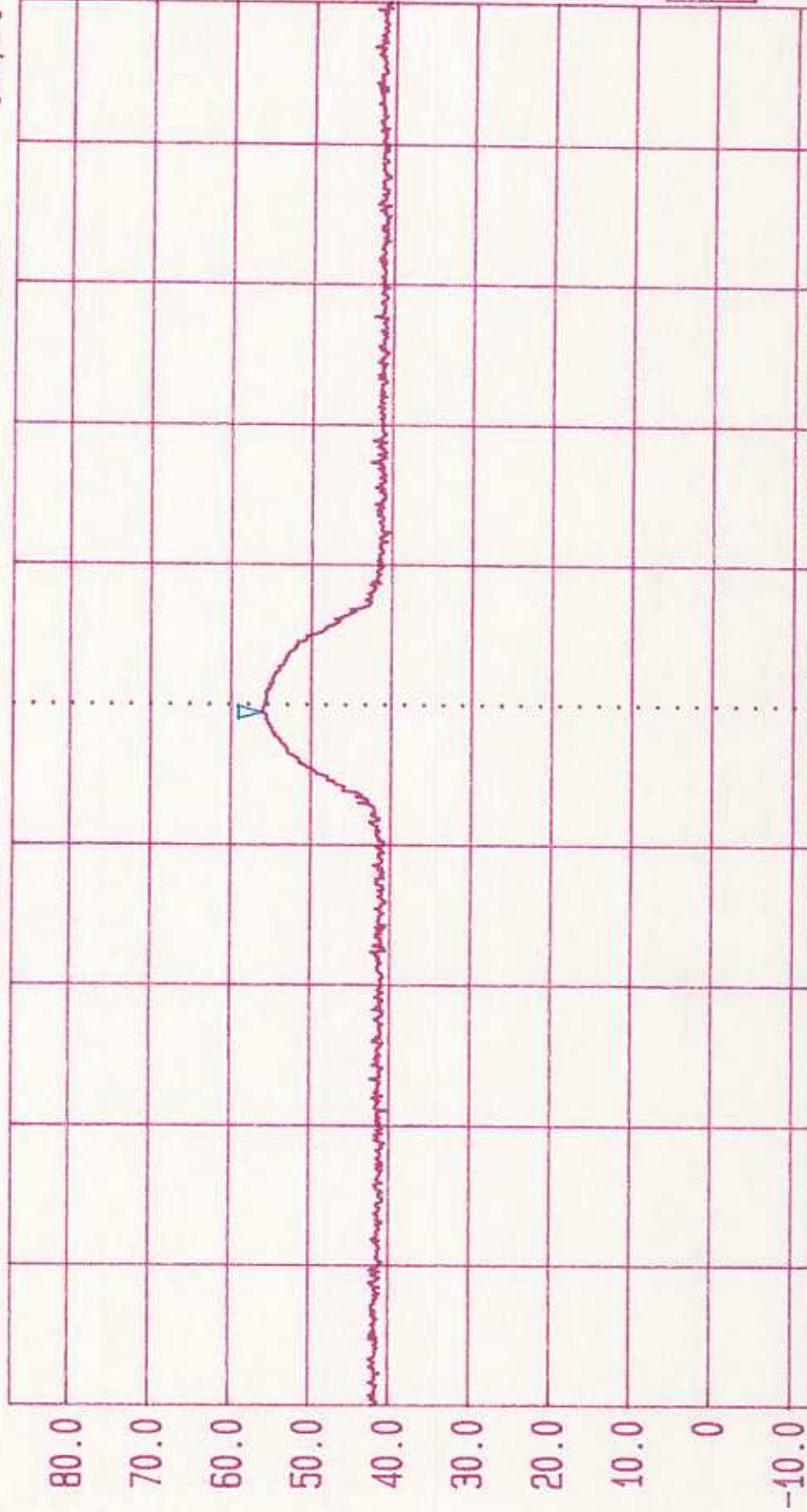
03-0091 High Channel Conducted Spurious Emissions



Date 23.Mar.'03 Time 09:41:38

Ref.Lvl 87.00 dBμV
Marker 56.02 dBμV
4.91580 GHz

Res.Bw 1 MHz
TG.Lvl off
CF.Stp 2.457 GHz
Vid.Bw 1 MHz
RF.Att 5 dB
Unit [dBμV]

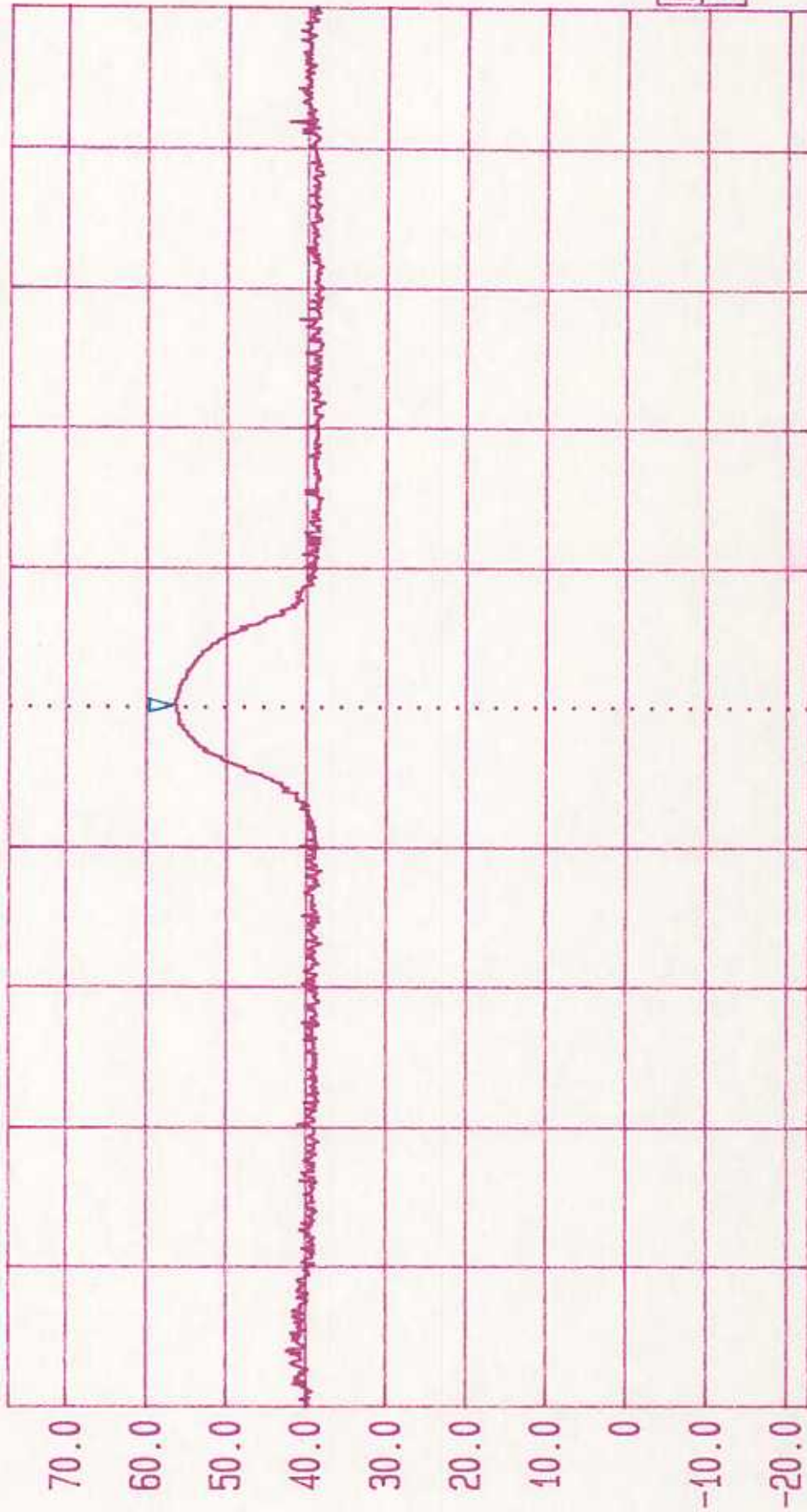




Date 23.Mar.'03 Time 09:55:00

Ref.Lvl 77.00 dBμV
Marker 56.49 dBμV
7.37381 GHz

Res.Bw 1 MHz [imp]
TG.Lvl Off
CF.Stp 2.457 GHz
Vid.Bw 1 MHz
RF.Att 5 dB
Unit [dBμV]



PA
10

Start 7.36754 GHz
Span 12.5 MHz
Center 7.37379 GHz
Sweep 20 ms
Stop 7.38004 GHz



Date 23.Mar.'03 Time 10:08:21

Ref.Lvl 77.00 dBμV

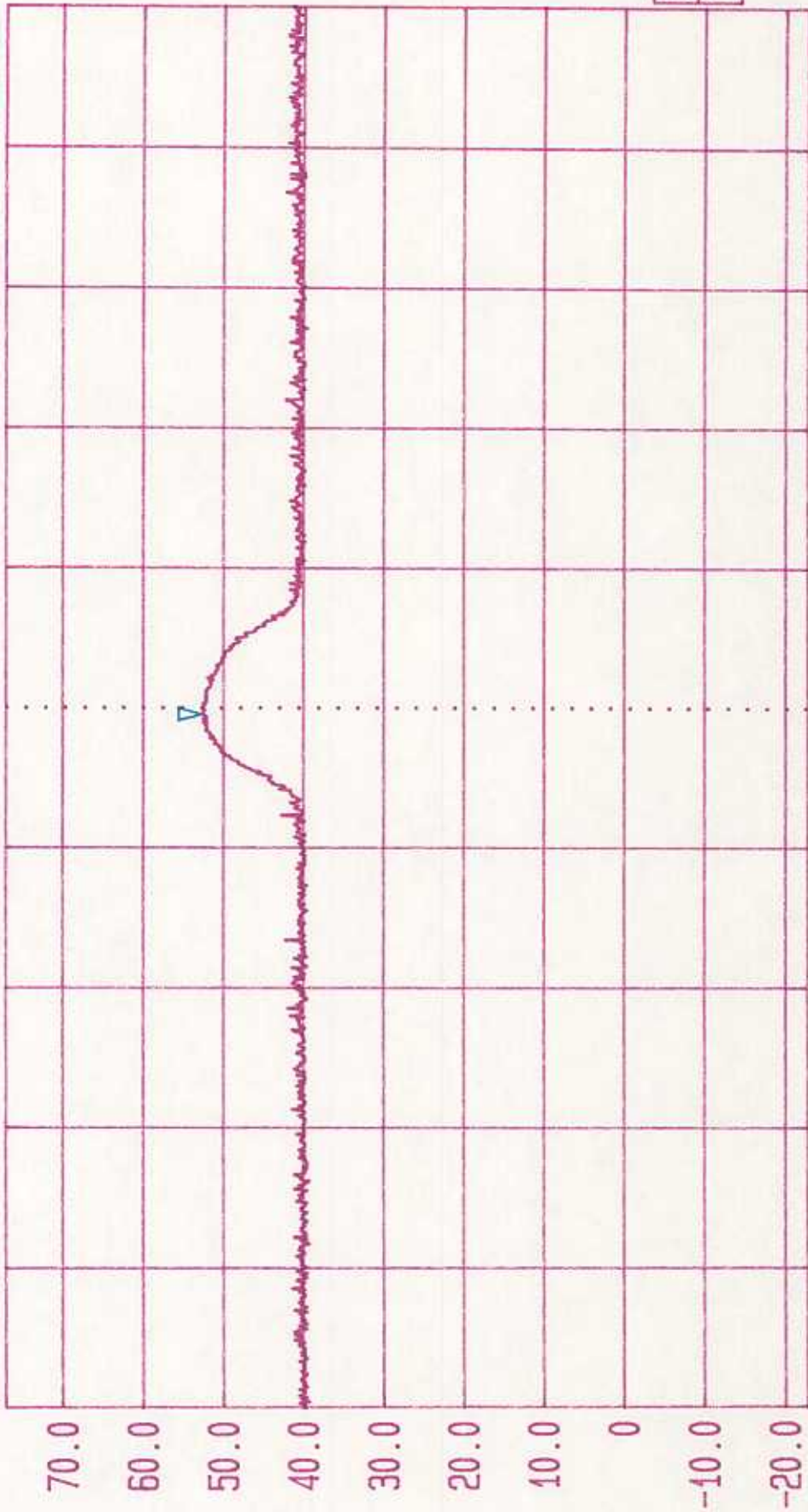
Marker 52.47 dBμV
9.83167 GHz

Res.Bw
TG.Lvl
CF.Stp

1 MHz [imp]
off
2.457 GHz

Vid.Bw
RF.Att
Unit

1 MHz
5 dB
[dBμV]



PA
10

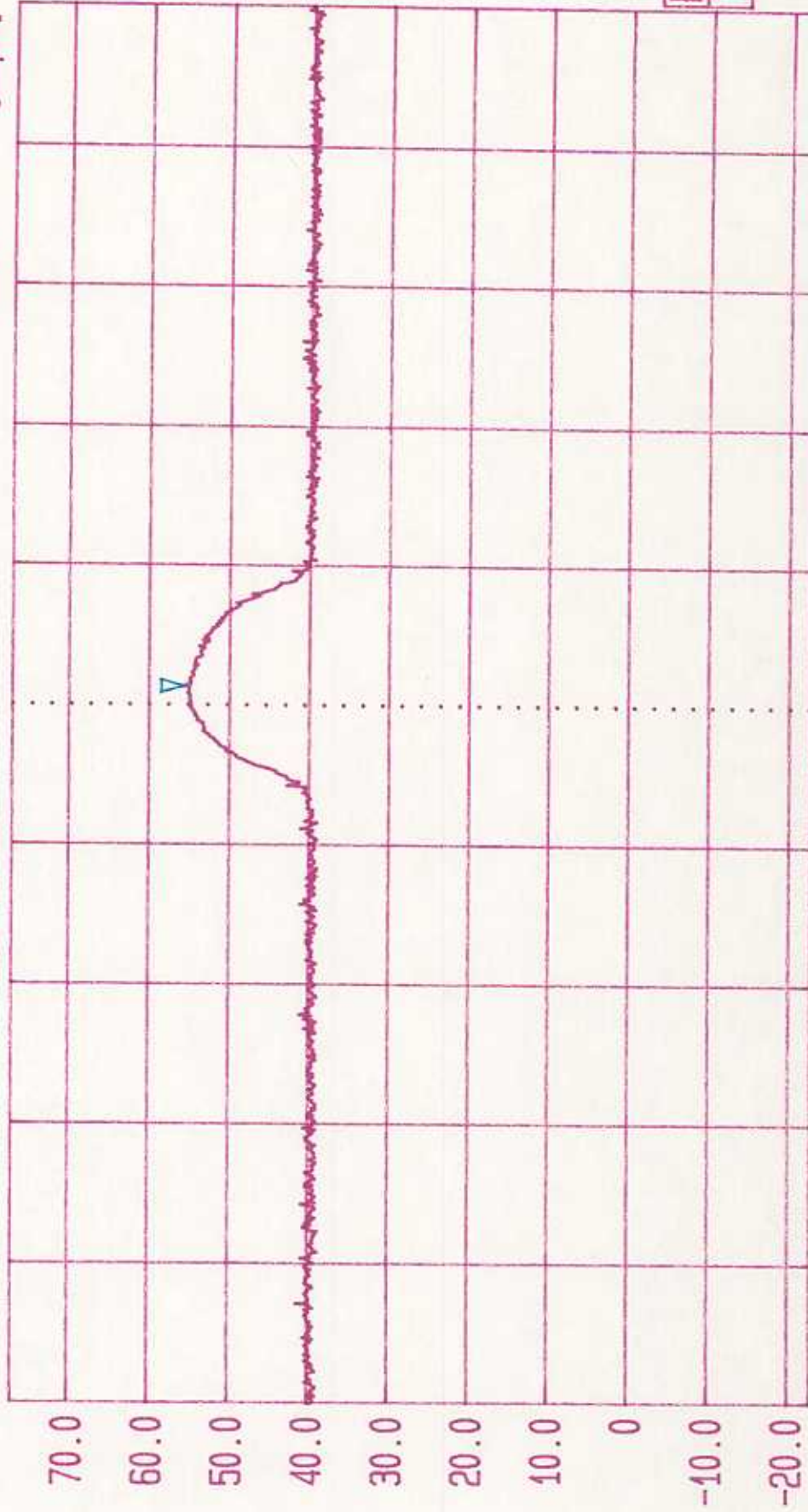
Low Channel



Date 23.Mar.'03 Time 10:37:14

Ref.Lvl 77.00 dBμV
Marker 55.50 dBμV
4.94786 GHz

Res.Bw 1 MHz [imp]
TG.Lvl Off
CF.Stp 2.473 GHz
Vid.Bw 1 MHz
RF.Att 5 dB
Unit [dBμV]



Start 4.94143 GHz Span 12.5 MHz Center 4.94786 GHz Sweep 20 ms Stop 4.95393 GHz



Date 23.Mar.'03 Time 10:49:04

Ref.Lvl 77.00 dBuV

Marker 55.95 dBuV

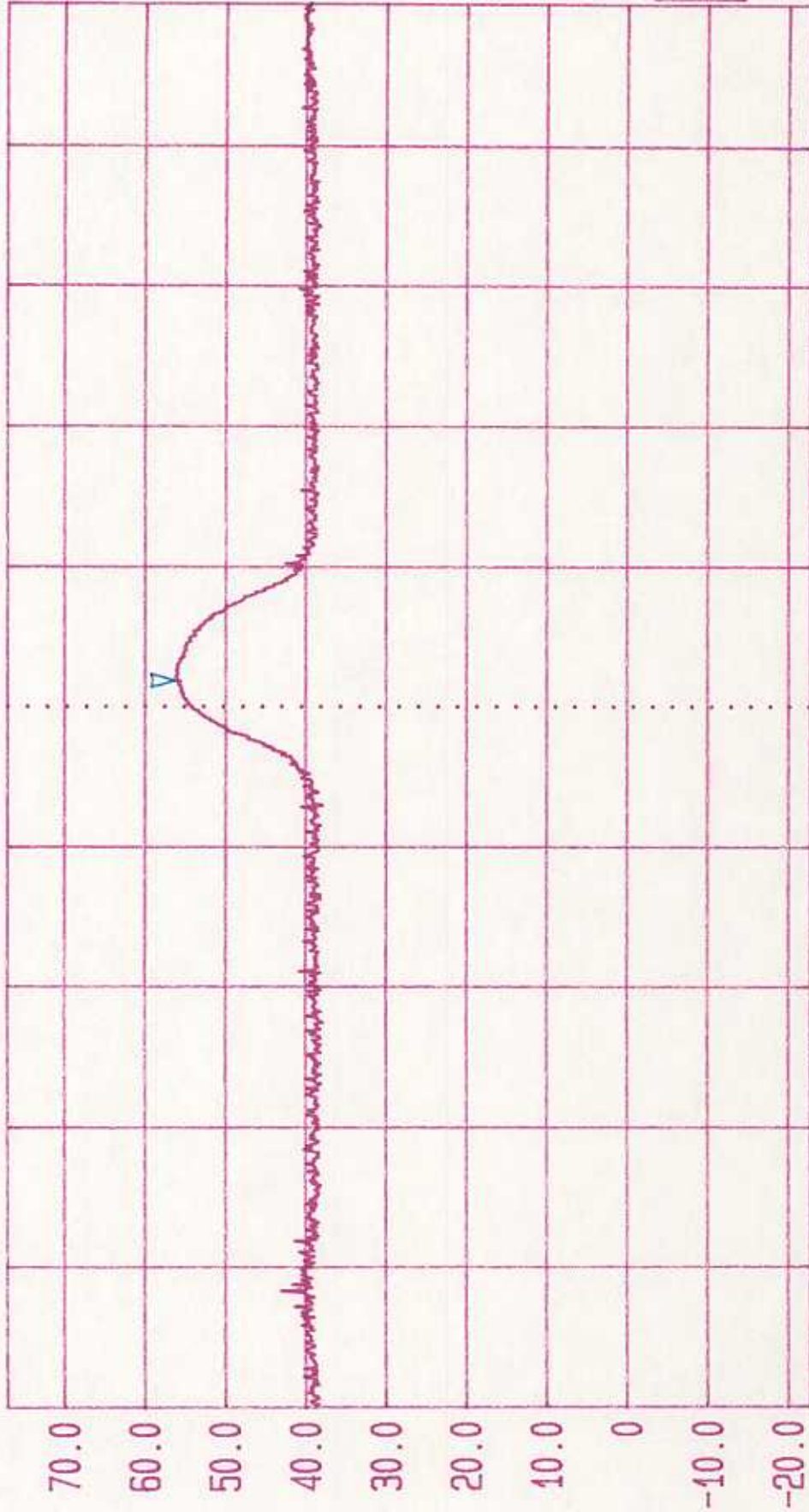
7.42176 GHz

Res.Bw
TG.Lvl
CF.Stp

1 MHz [imp]
off
2.473 GHz

Vid.Bw
RF.Att
Unit

1 MHz
5 dB
[dBuV]



Start
7.41527 GHz

Span
12.5 MHz

Center
7.42152 GHz

Sweep
20 ms

Stop
7.42777 GHz

PA
10

High Channel



Date 23.Mar.'03 Time 10:58:07

Ref.Lvl 77.00 dBμV

Marker 53.06 dBμV
9.89582 GHz

Res.Bw
TG.Lvl
CF.Stp

1 MHz [imp]
off
2.473 GHz

Vid.Bw
RF.Att
Unit

1 MHz
5 dB
[dBμV]

