

Type Acceptance Test Report

Wideband FM Video Transmit Module

FCC ID: Q4NM1700

FCC Rule Part: 90

ACS Report Number: 03-0168-90TA

Manufacturer: Datawave
Model: Datawave M1700

Data Plots

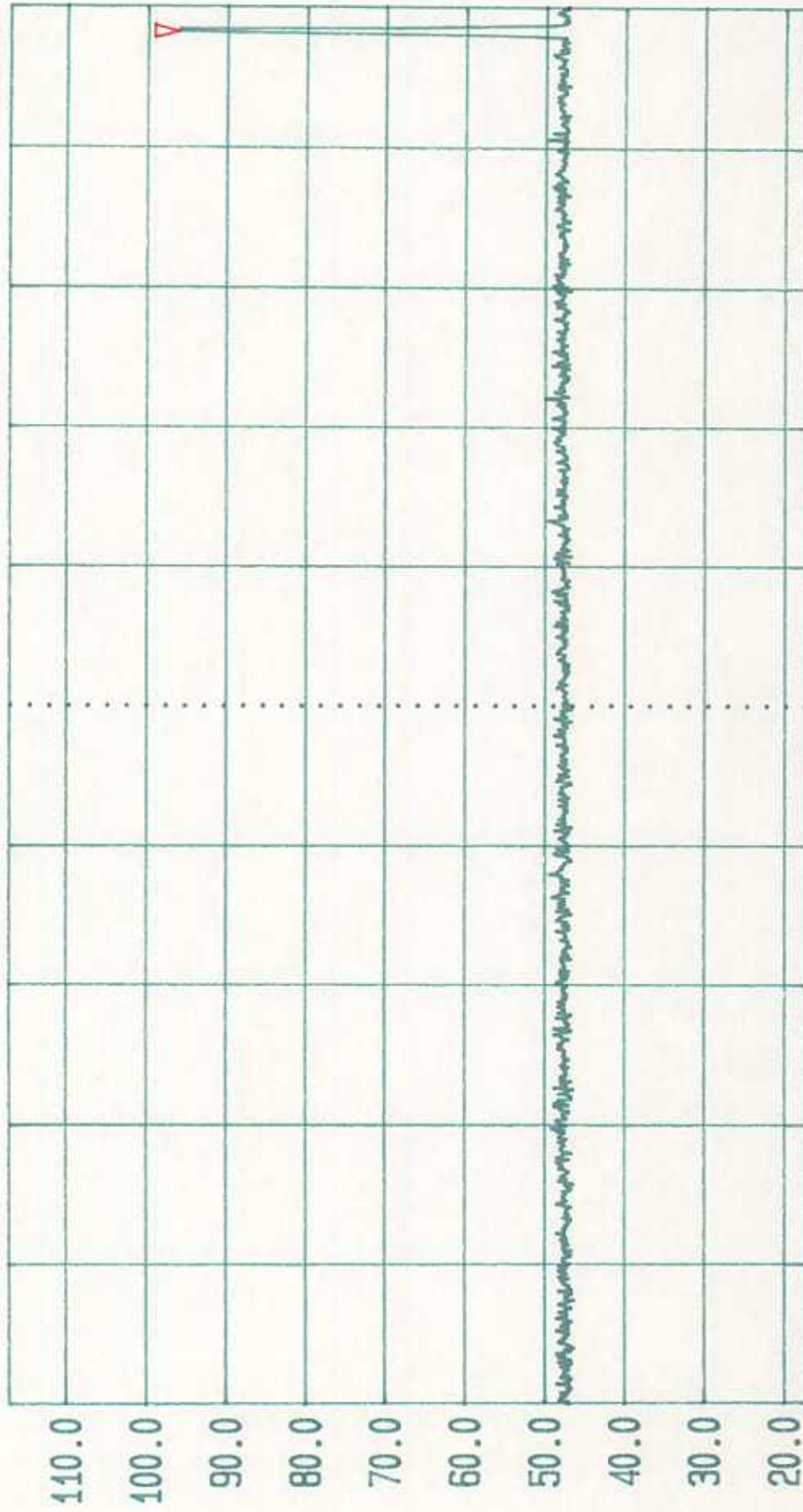
ANTENNA CONDUCTED SPURIOUS EMISSIONS



Date 11.Sep.'03 Time 15:35:04

Ref.Lvl 117.00 dB μ V
Marker 96.08 dB μ V
2.4588 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 247.000 MHz
Vid.Bw 1 MHz
RF.Att 20 dB
Unit [dB μ V]



Start 0.030 GHz Span 2.47 GHz Center 1.265 GHz Sweep 1.56 s Stop 2.5 GHz

30MHz-2.5GHz Conducted Emissions



Date 11.Sep.'03 Time 15:45:08

Ref.Lvl
117.00 dBμV

Marker

69.04 dBμV
7.3777 GHz

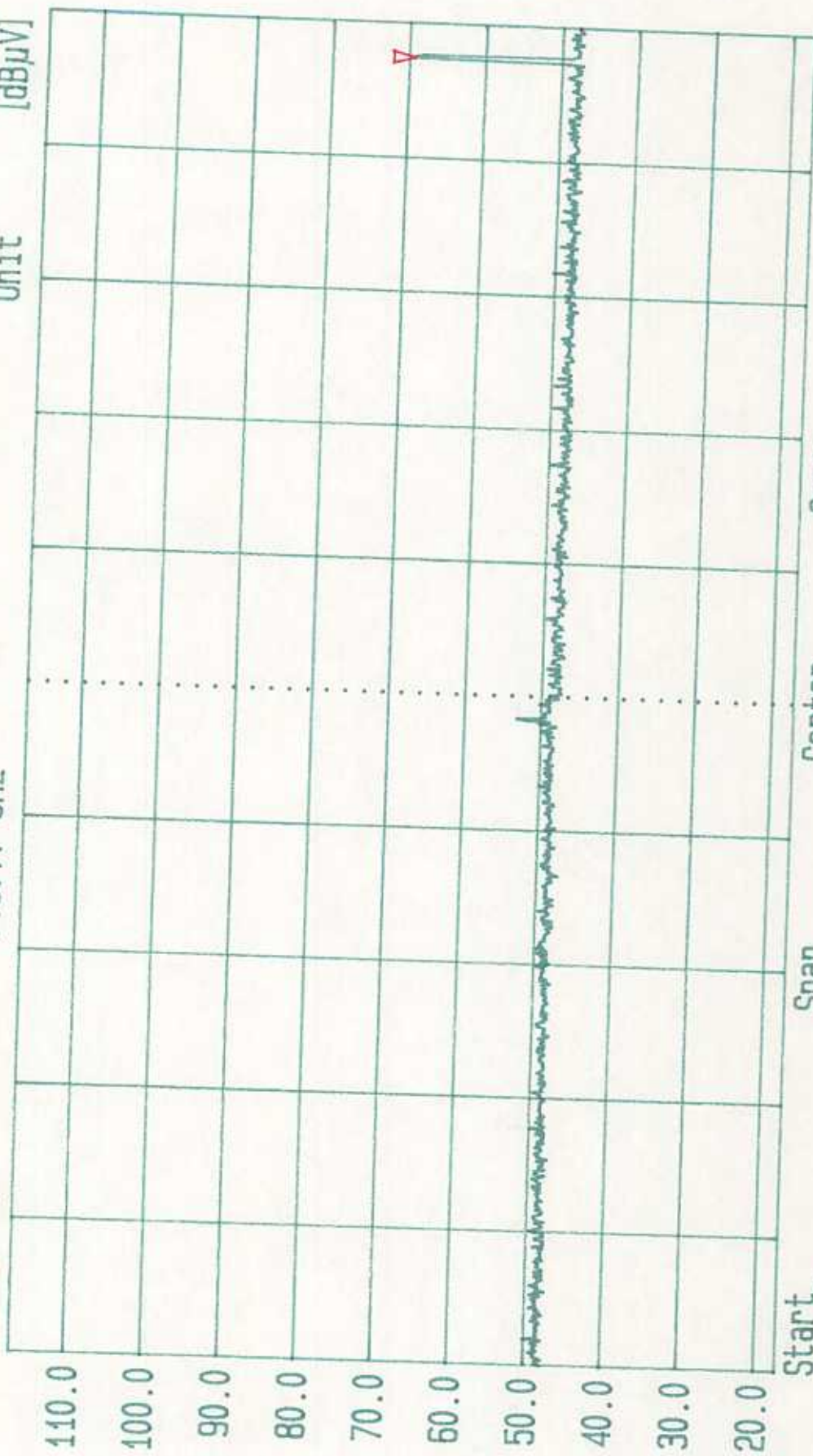
Res.Bw
TG.Lvl
CF.Stp

100 kHz [imp]
off
500.000 MHz

Vid.Bw

1 MHz

RF.Att
Unit
20 dB
[dBμV]



Start 2.5 GHz
Span 5 GHz
Center 5 GHz
Sweep 3.2 s
Stop 7.5 GHz

2.5GHz-7.5GHz Conducted Emissions
Low Channel



Date 11.Sep.'03 Time 15:52:56

Ref.Lvl 117.00 dBμV

Marker 79.55 dBμV

F1 OFF

F2 OFF

F2-F1 OFF

D1

D2

D1-D2

Res.Bw 100 kHz [imp]

TG.Lvl off

CF.Stp 500.000 MHz

Vid.Bw 1 MHz

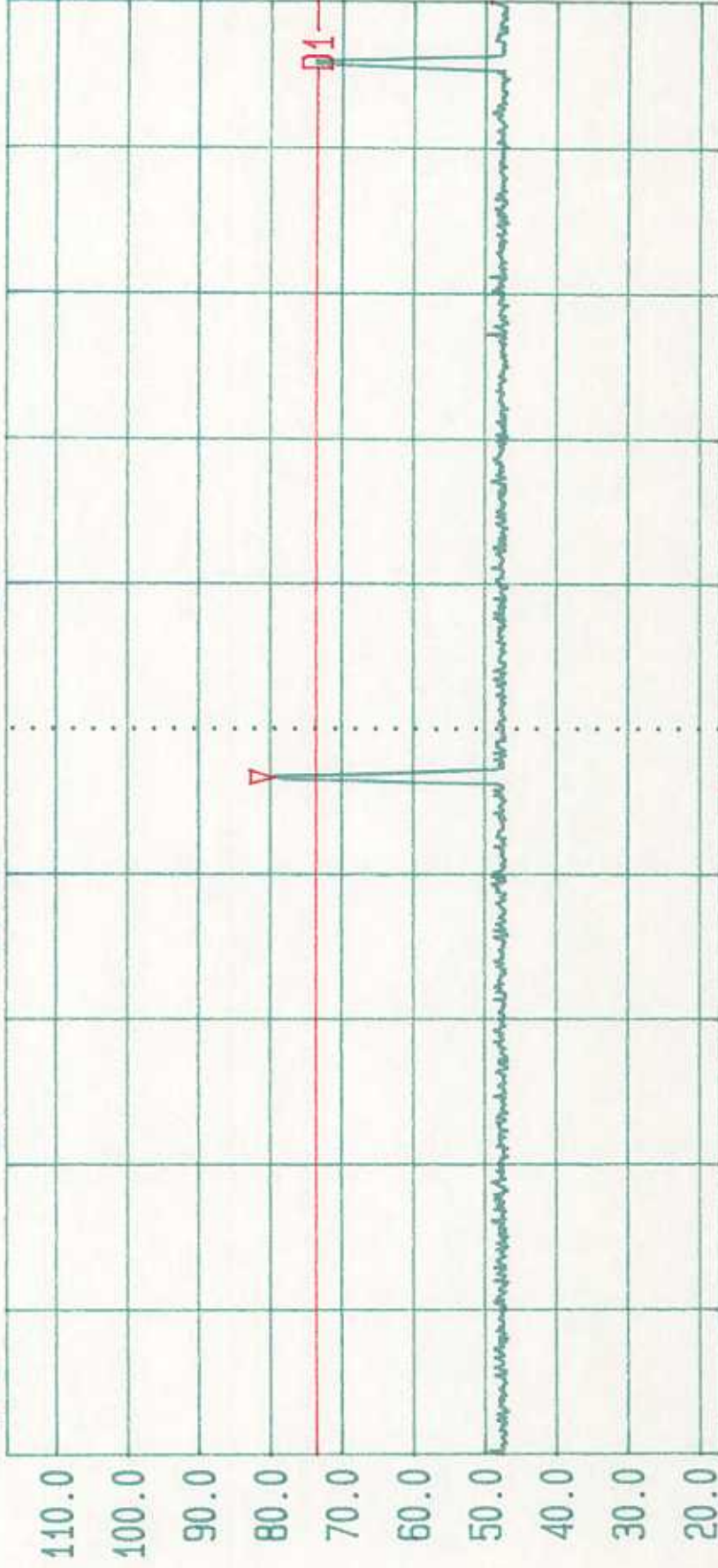
RF.Att 20 dB

Unit [dBμV]

73.60 dBμV

OFF

OFF



Start 7.5 GHz

Span 5 GHz

Center 10 GHz

Sweep 3.2 s

Stop 12.5 GHz

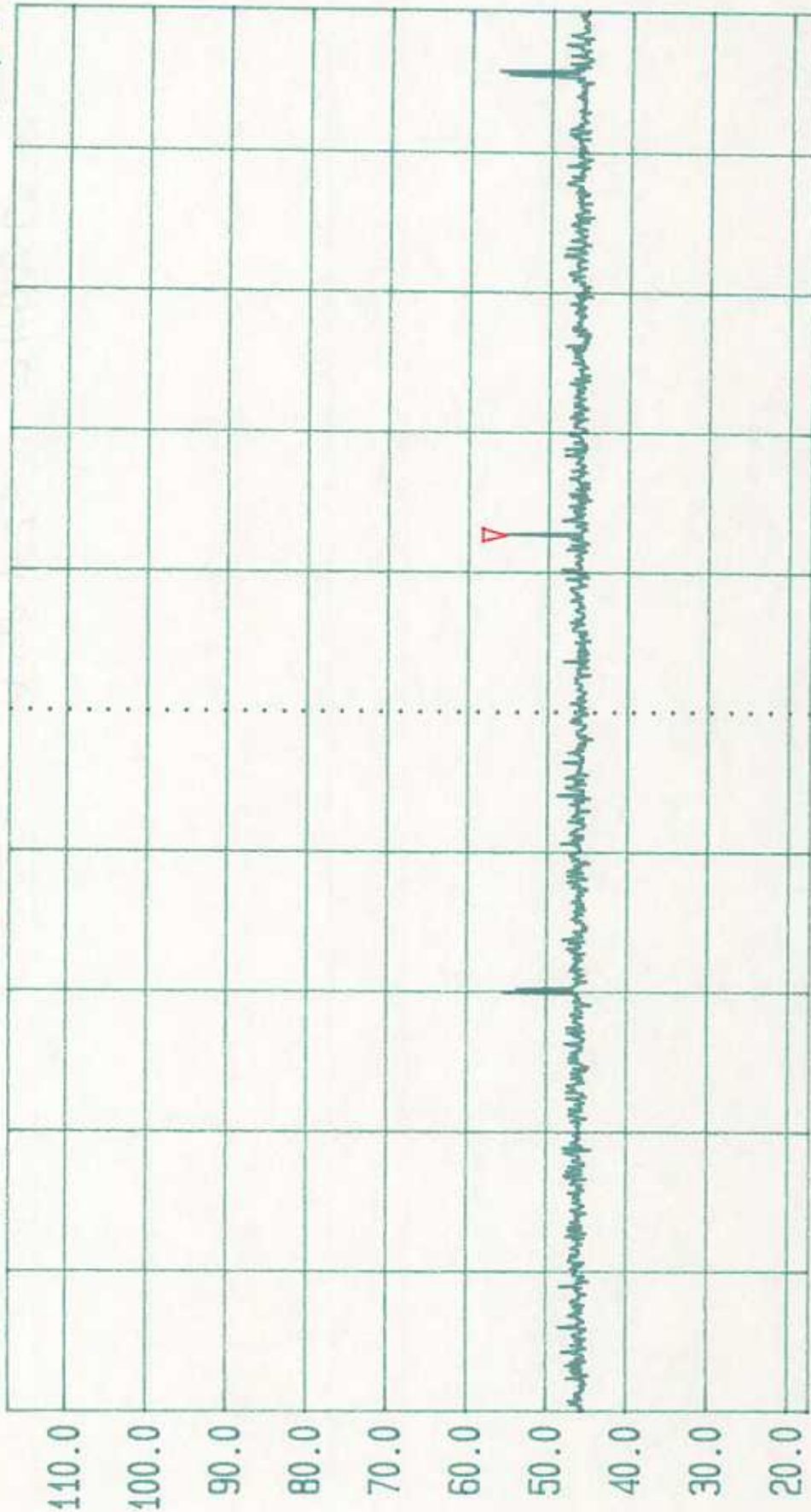
7.5GHz-12.5GHz conducted emissions
Low Channel



Date 11.Sep.'03 Time 16:00:21

Ref.Lvl 117.00 dBμV
Marker 55.12 dBμV
17.2083 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 750.000 MHz
Vid.Bw 1 MHz
RF.Att 20 dB
Unit [dBμV]



Start 12.5 GHz
Span 7.5 GHz

Center 16.25 GHz
Sweep 4.8 s

Stop 20 GHz

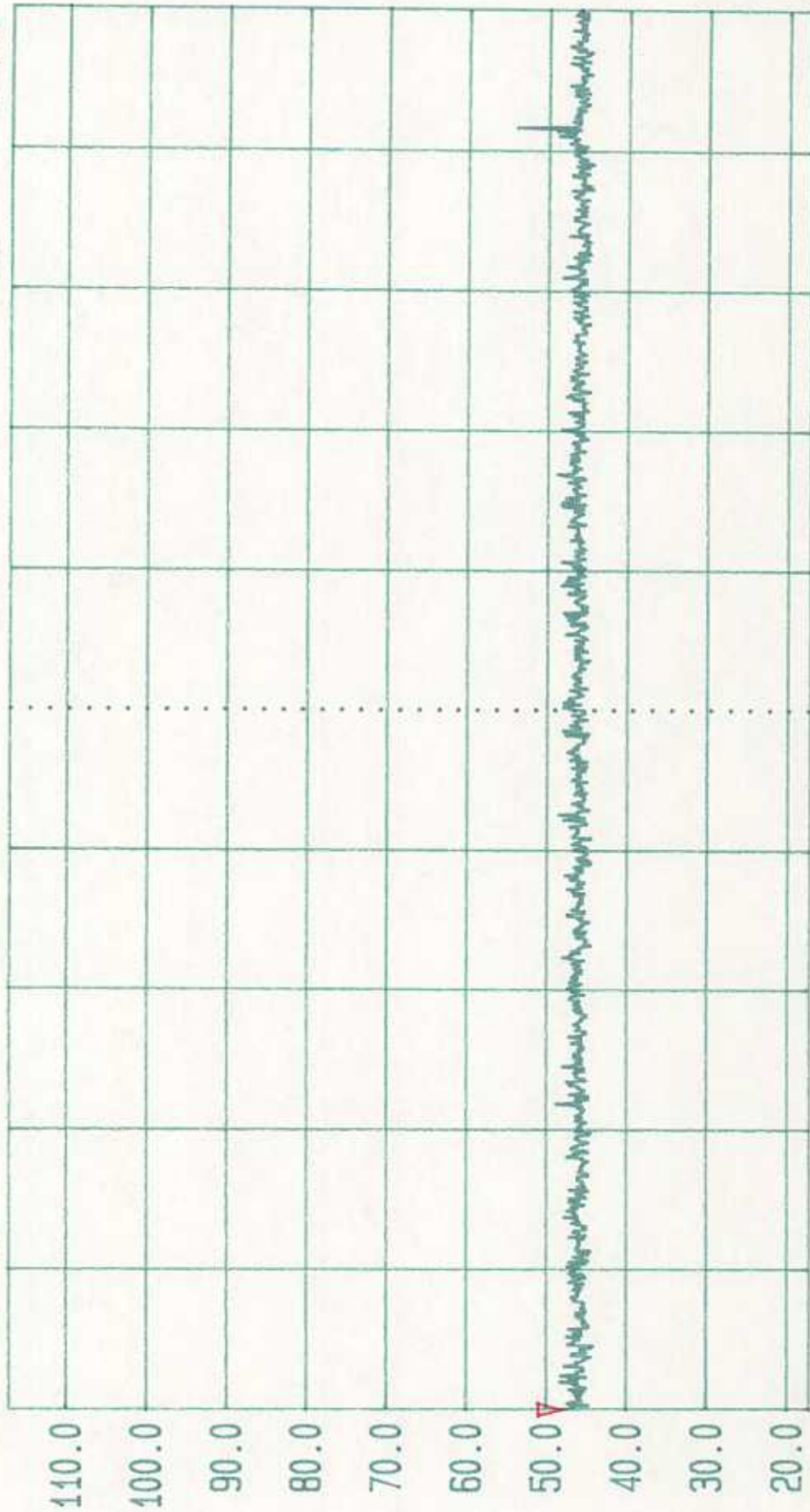
12.5GHZ-20GHZ CONDUCTED EMISSIONS
LOW CHANNEL



Date 11.Sep.'03 Time 16:14:21

Ref.Lvl 117.00 dBuV
Marker 47.96 dBuV
20.0000 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 500.000 MHz
Vid.Bw 1 MHz
RF:Att 20 dB
Unit [dBuV]



Start 20 GHz Stop 25 GHz
Span 5 GHz Sweep 3.2 s
Center 22.5 GHz

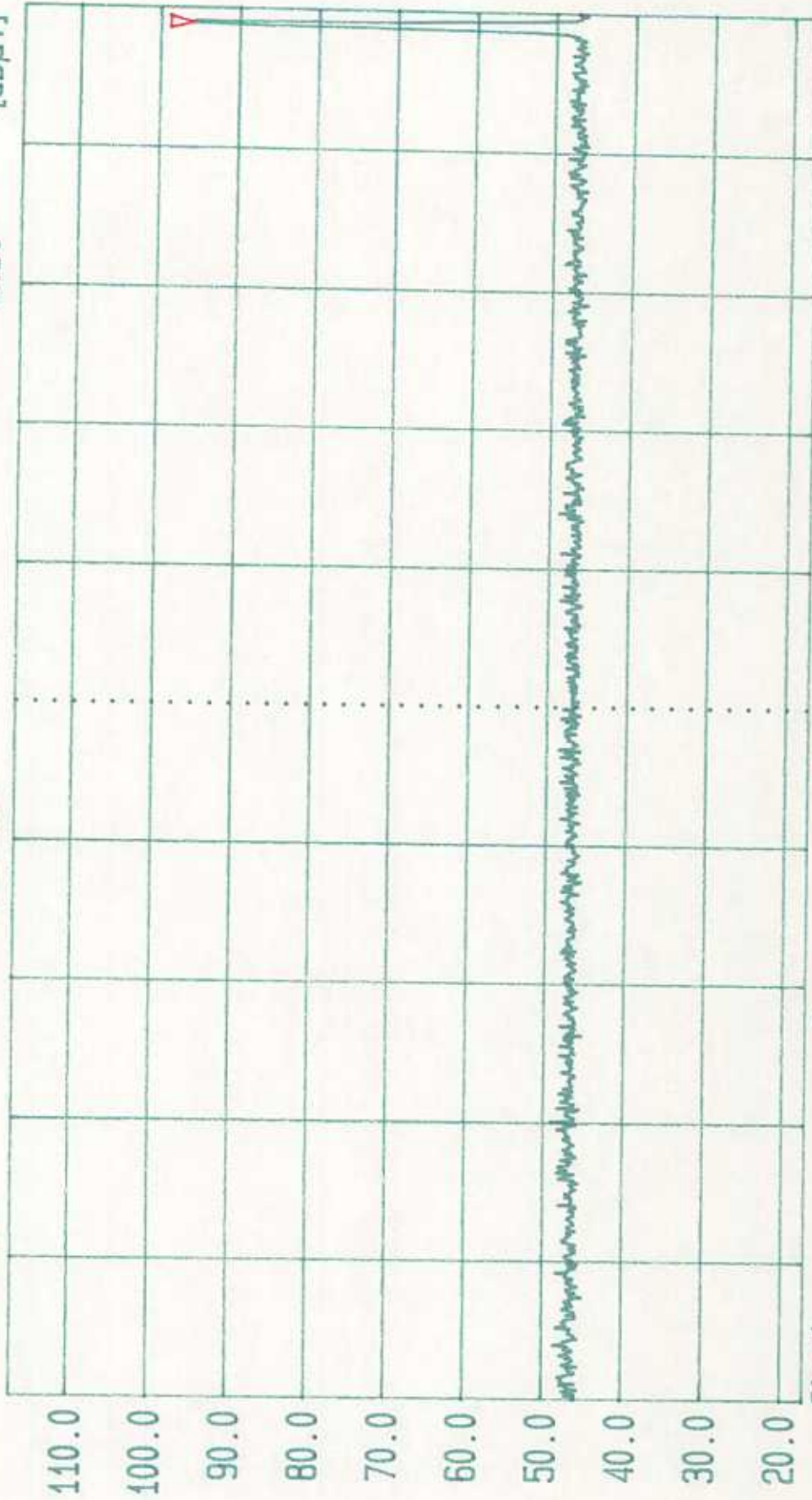
20GHz-25GHz
LOW CHANNEL
CONDUCTED EMISSIONS



Date 11.Sep.'03 Time 16:35:24

Ref.Lvl 117.00 dBμV
Marker 95.65 dBμV
2.4753 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 247.000 MHz
Vid.Bw 1 MHz
RF.Att 20 dB
Unit [dBμV]



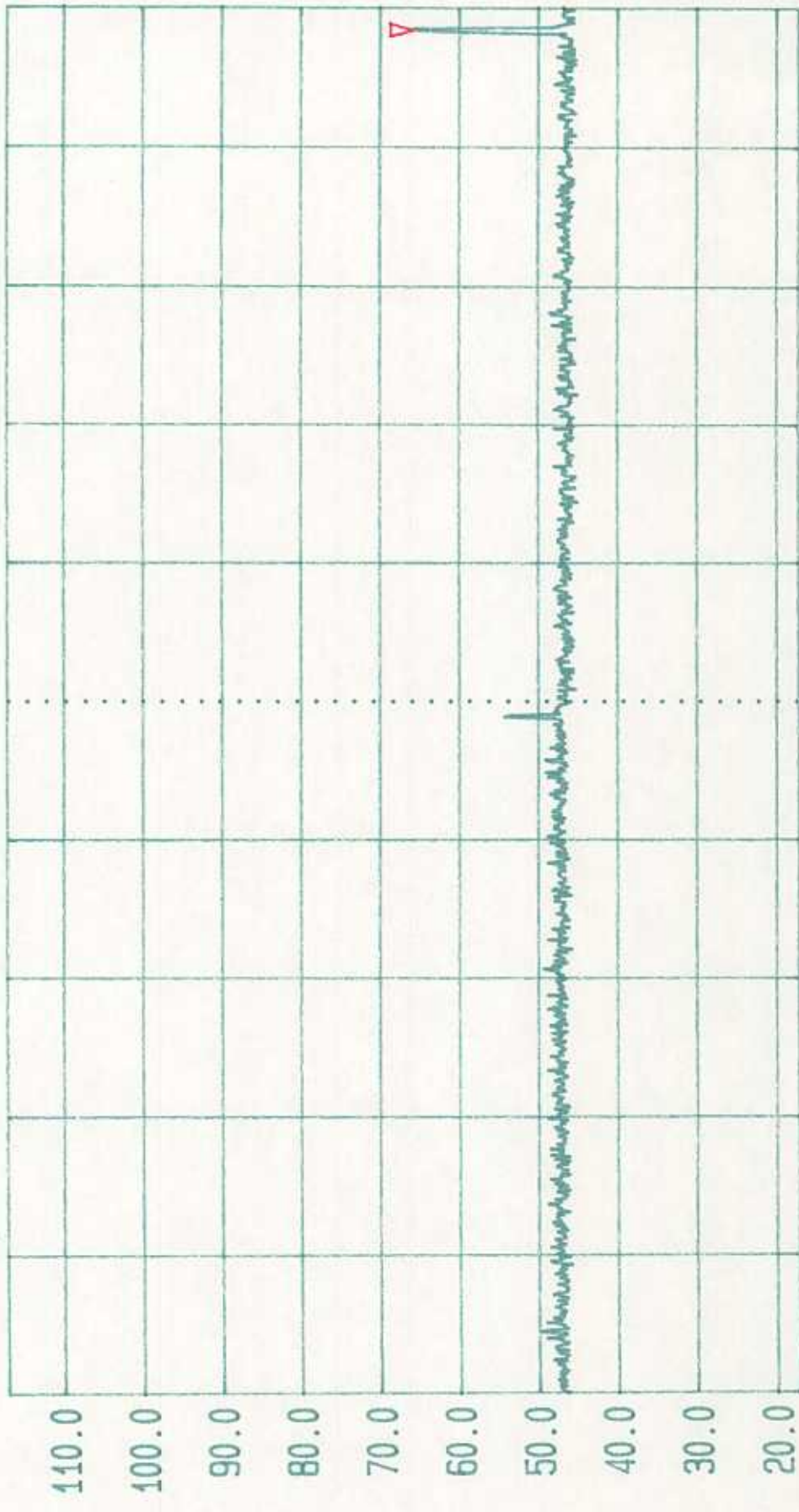
Start 0.030 GHz Span 2.47 GHz Center 1.265 GHz Sweep 1.56 s Stop 2.5 GHz

30MHZ-2.5GHZ CONDUCTED EMISSIONS
HIGH CHANNEL



Date 11.Sep.'03 Time 16:40:33
Ref.Lvl 117.00 dBμV
Marker 65.79 dBμV
7.4277 GHz

Res.Bw 100 kHz [imp]
TG.Lvl Off
CF.Stp 500.000 MHz
Vid.Bw 1 MHz
RF.Att 20 dB
Unit [dBμV]



Start 2.5 GHz
Span 5 GHz
Center 5 GHz
Sweep 3.2 s
Stop 7.5 GHz

2.5GHz-7.5GHz CONDUCTED EMISSIONS
HIGH CHANNEL



Date 11.Sep.'03 Time 16:44:34

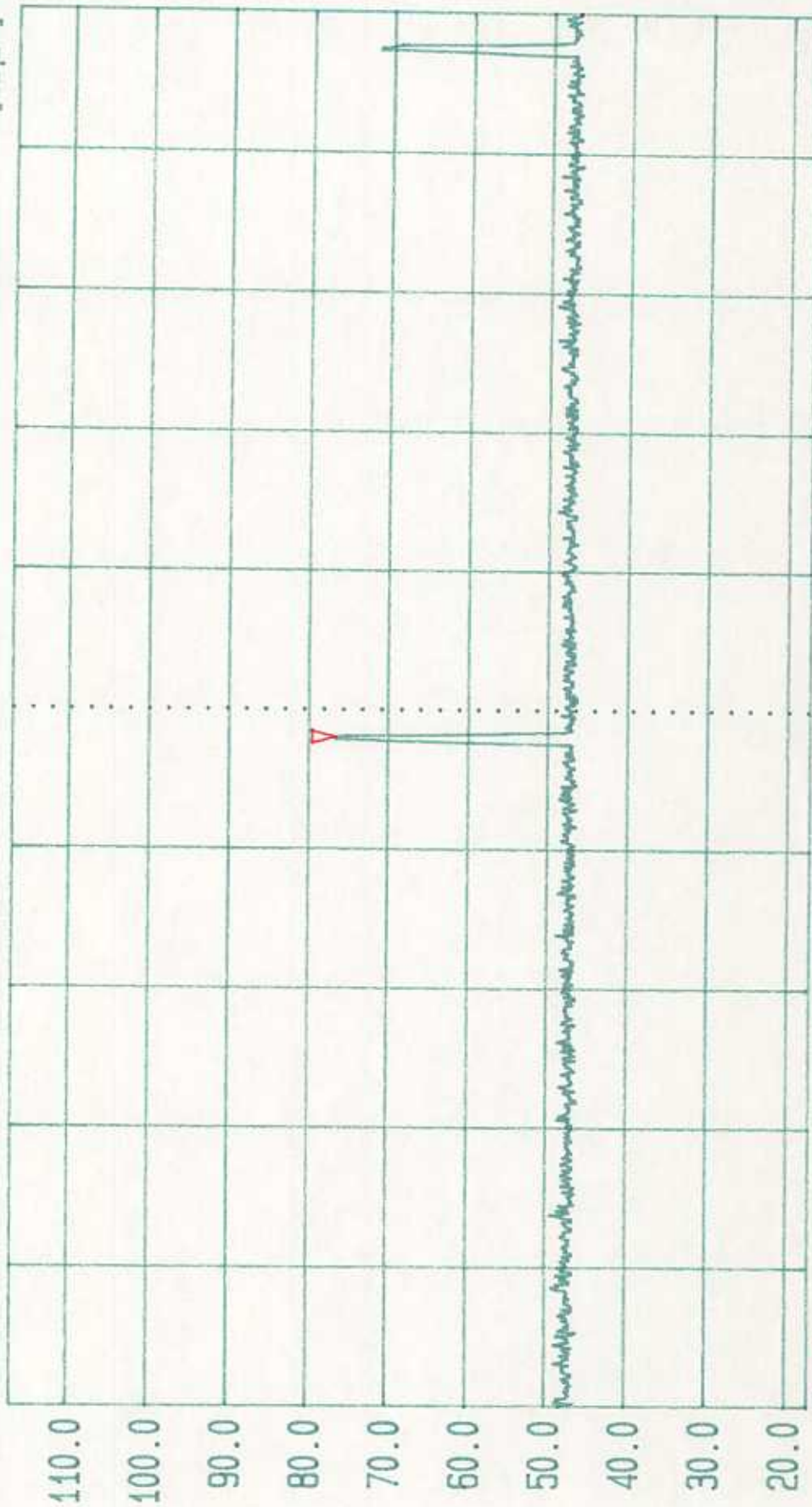
Ref.Lvl
117.00 dBμV

Marker

76.45 dBμV
9.9000 GHz

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

Vid.Bw
RF.Att
Unit
1 MHz
20 dB
[dBμV]



Start
7.5 GHz

Span
5 GHz

Center
10 GHz

Sweep
3.2 s

Stop
12.5 GHz

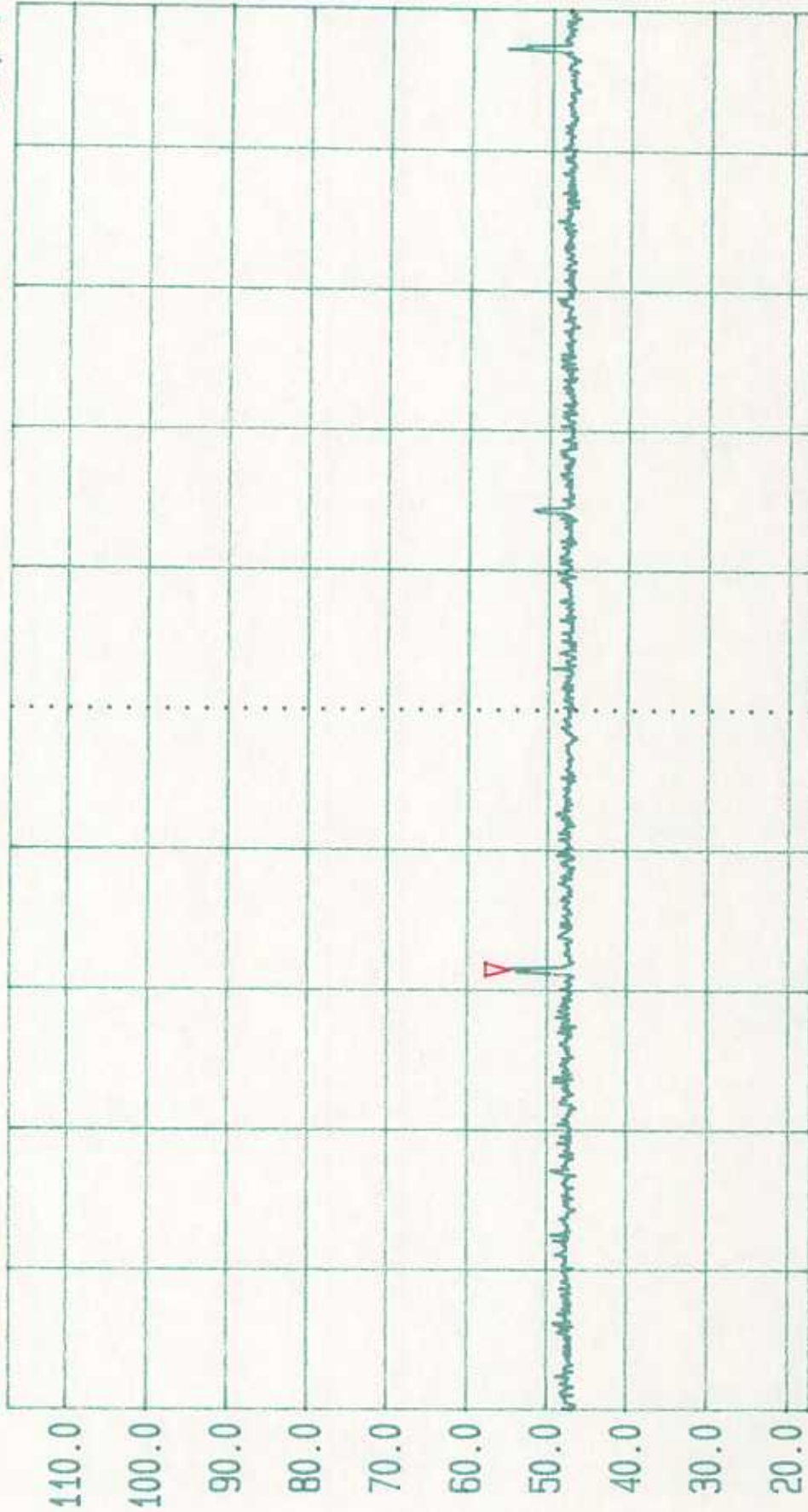
7.5GHz-12.5G CONDUCTED EMISSIONS
HIGH CHANNEL



Date 11.Sep.'03 Time 16:48:02

Ref.Lvl 117.00 dBμV
Marker 54.54 dBμV
14.8666 GHz

Res.Bw 100 kHz [imp]
TG.Lvl off
CF.Stp 750.000 MHz
Vid.Bw 1 MHz
RF.Att 20 dB
Unit [dBμV]



Start 12.5 GHz
Span 7.5 GHz

Center 16.25 GHz
Sweep 4.8 s

Stop 20 GHz

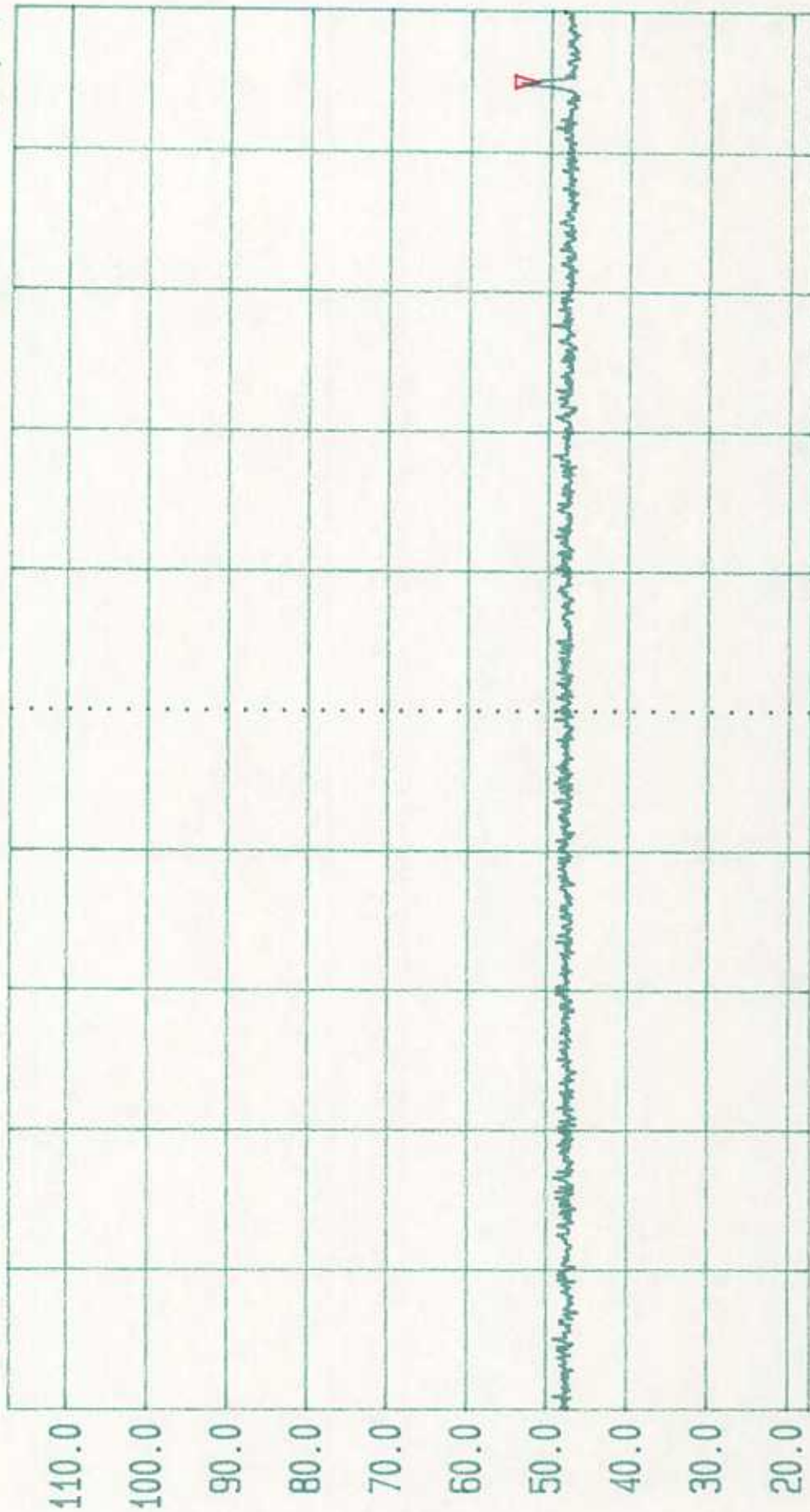
12.5GHz-20GHz CONDUCTED EMISSIONS
HIGH CHANNEL



Date 11.Sep.'03 Time 16:52:47

Ref.Lvl 117.00 dBμV
Marker 51.59 dBμV
24.7500 GHz

Res.Bw 100 kHz [imp] off
TG.Lvl
CF.Stp
Vid.Bw 1 MHz
RF.Att 20 dB
Unit [dBμV]



Start 20 GHz
Span 5 GHz
Center 22.5 GHz
Sweep 3.2 s
Stop 25 GHz

20.0GHZ-25GHZ CONDUCTED EMISSIONS
HIGH CHANNEL