

**GRAPHICAL TEST RESULTS
PART 5
FOR RFI TEST REPORT SERIAL NO:
RFI/EMCB1/RP42147B**

Test Of: Red-M (Communications) Ltd.
1000AP

To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

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Basingstoke, Hampshire RG26 5RQ



TESTING
0644

**Test Of: Red-M (Communications) Ltd.
1000AP**

**To: F.C.C. Part 15 Subpart C: 2000
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Section 15.247**

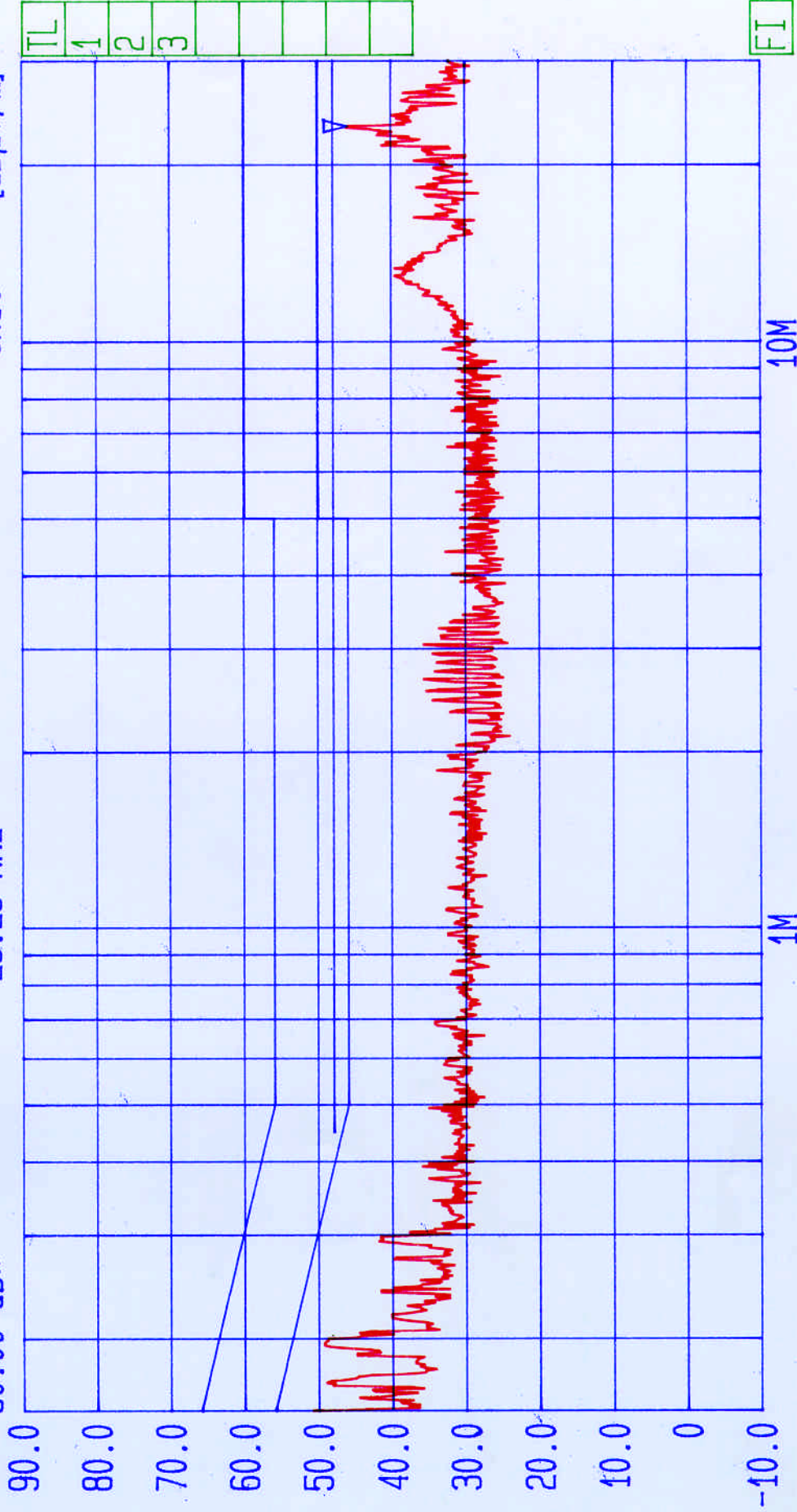
This section contains the following graphs:

Graph Reference Number	Title
GPH\42147JD02\040	Conducted Emissions, Neutral Line, Transmit Mode, Hopping (150 kHz to 30 MHz)
GPH\42147JD02\041	Conducted Emissions, Neutral Line, Receive Mode (450 kHz to 30 MHz)
GPH\42147JD02\042	Conducted Emissions, Live Line, Receive Mode (450 kHz to 30 MHz)
GPH\42147JD02\043	Radiated Emissions, Transmit Mode, Hopping (4 GHz to 6 GHz) Part 15.209
GPH\42147JD02\044	Radiated Emissions, Transmit Mode, Hopping (6 GHz to 8 GHz) Part 15.209
GPH\42147JD02\045	Radiated Emissions, Transmit Mode, Hopping (8 GHz to 12 GHz) Part 15.209
GPH\42147JD02\046	Radiated Emissions, Transmit Mode, Hopping (12 GHz to 18 GHz) Part 15.209
GPH\42147JD02\047	Radiated Emissions, Receive Mode (12 GHz to 18 GHz) Part 15.109
GPH\42147JD02\048	Radiated Emissions, Receive Mode (8 GHz to 12 GHz) Part 15.109
GPH\42147JD02\049	Radiated Emissions, Receive Mode (6 GHz to 8 GHz) Part 15.109



Date 12.Apr.'01 Time 08:38:26
Ref.Lvl 45.97 dB*
Marker 23.29 MHz

Res.Bw 9 kHz [imp]
TG.Lvl Off
CF.Stp 2.985 MHz
Vid.Bw 100 kHz
RF.Att 20 dB
Unit [dBμV/m]

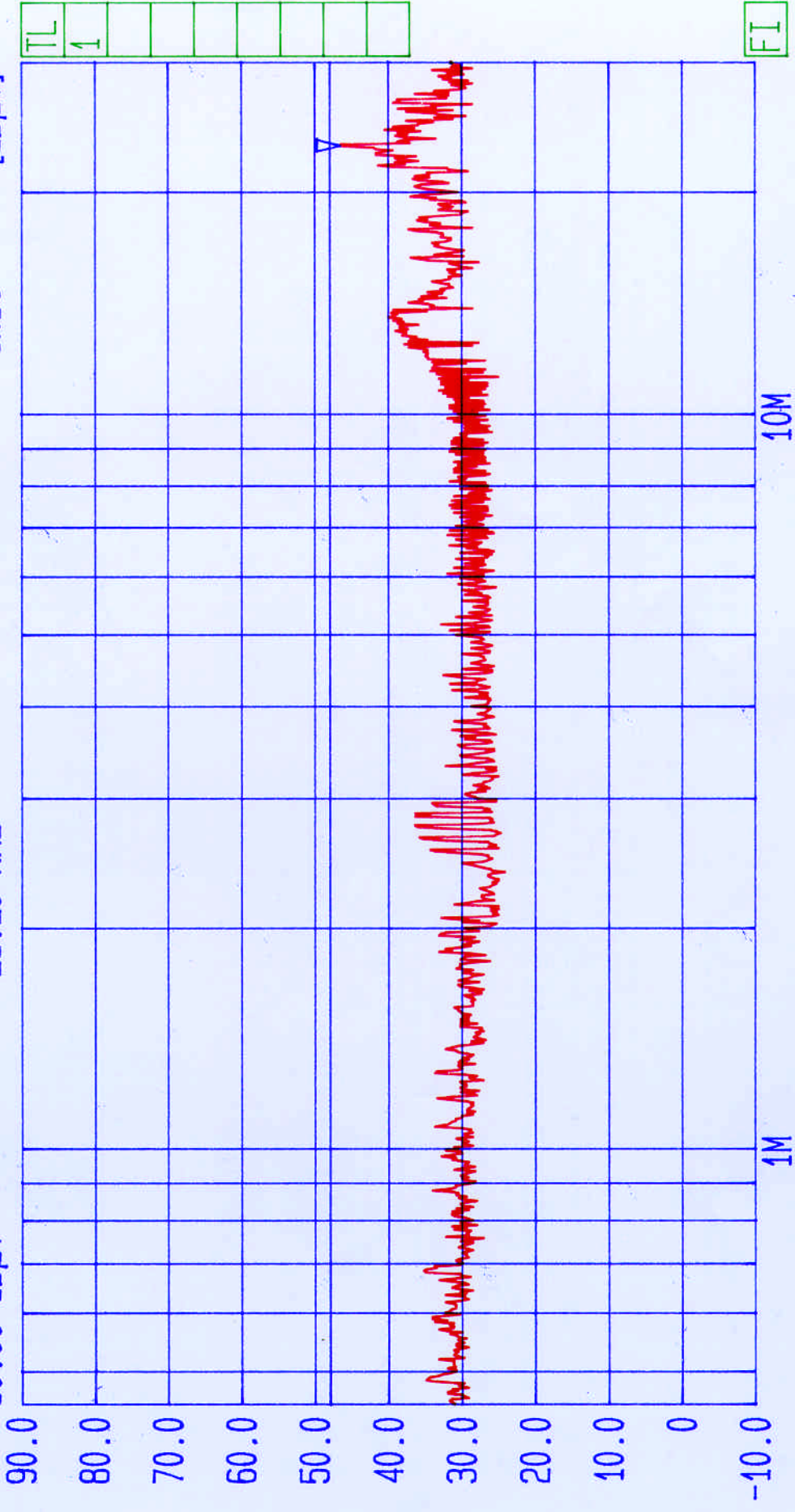


Start 150 kHz
Span 29.85 MHz
Center 2.12132 MHz
Sweep 340 ms
Stop 30 MHz
Tested By RFI For RED M
Spec: FCC Part 15.207 Opcond: Tx Hopping Conducted Emissions Neutral Line ENG: PJG
EUT: 1000AP
GPH: 42147/02/040



Date 12.Apr.'01 Time 08:56:14
Ref.Lvl 90.00 dBμV
Marker 46.66 dBμV
23.20 MHz

Res.Bw 9 kHz [imp] 100 kHz
TG.Lvl Off
CF.Stp 2.955 MHz
RF.Att 20 dB
Unit [dBμV]

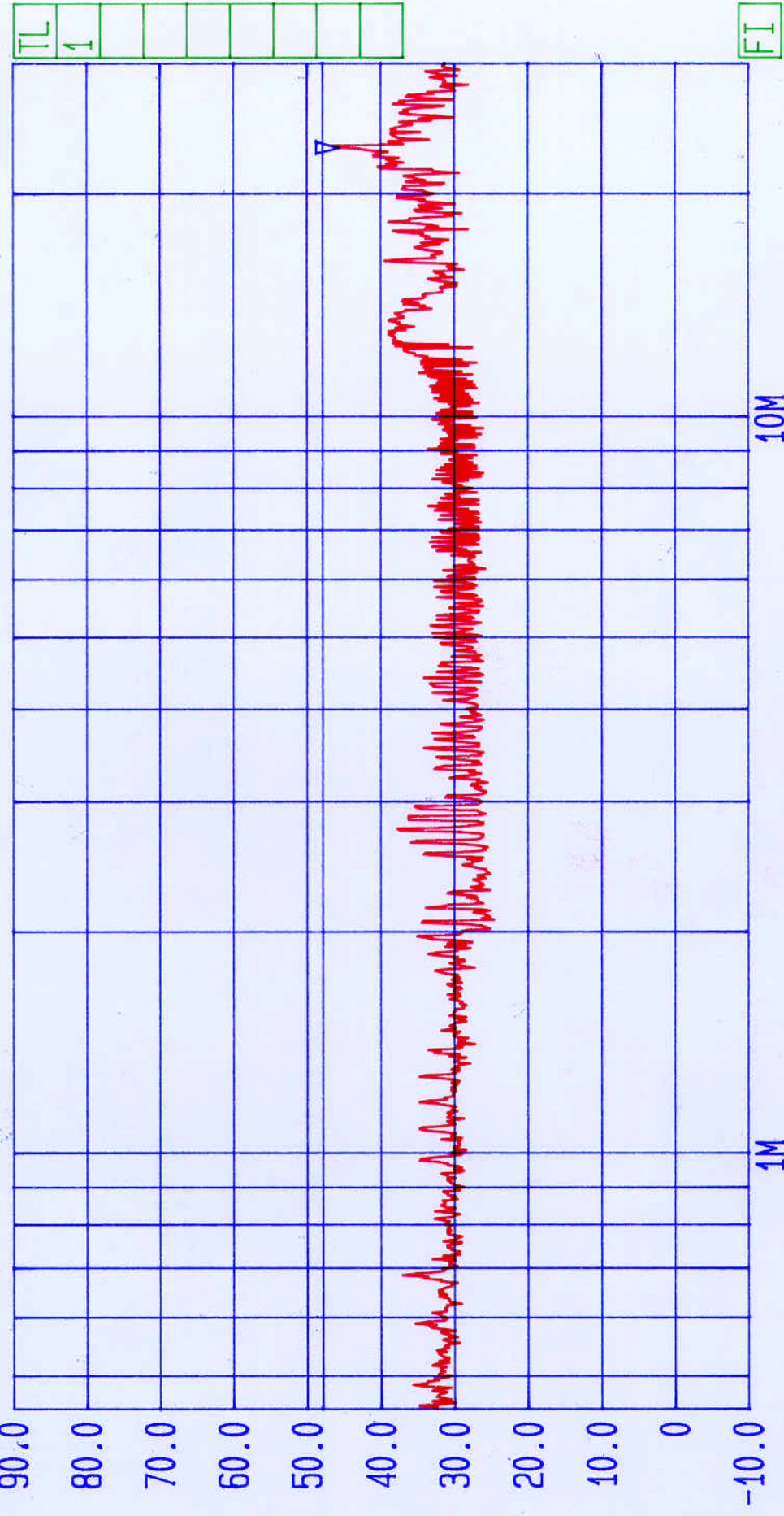


Start 450 kHz Stop 30 MHz
Span 29.55 MHz Sweep 2.2 s
Center 3.67423 MHz
EUT: 1000AP
Opcond: Rx Mode Conducted Emissions Neutral Line ENG: PJG
Tested By RFI For RED M
Spec: FCC Part 15.107



Date 12.Apr.'01 Time 09:05:42
 Ref.Lvl 90.00 dBuV
 Marker 45.77 dBuV
 23.10 MHz

Res.Bw 9 kHz [imp]
 TG.Lvl Off
 CF.Stp 2.955 MHz
 Vid.Bw 100 kHz
 RF.Att 20 dB
 Unit [dBuV]



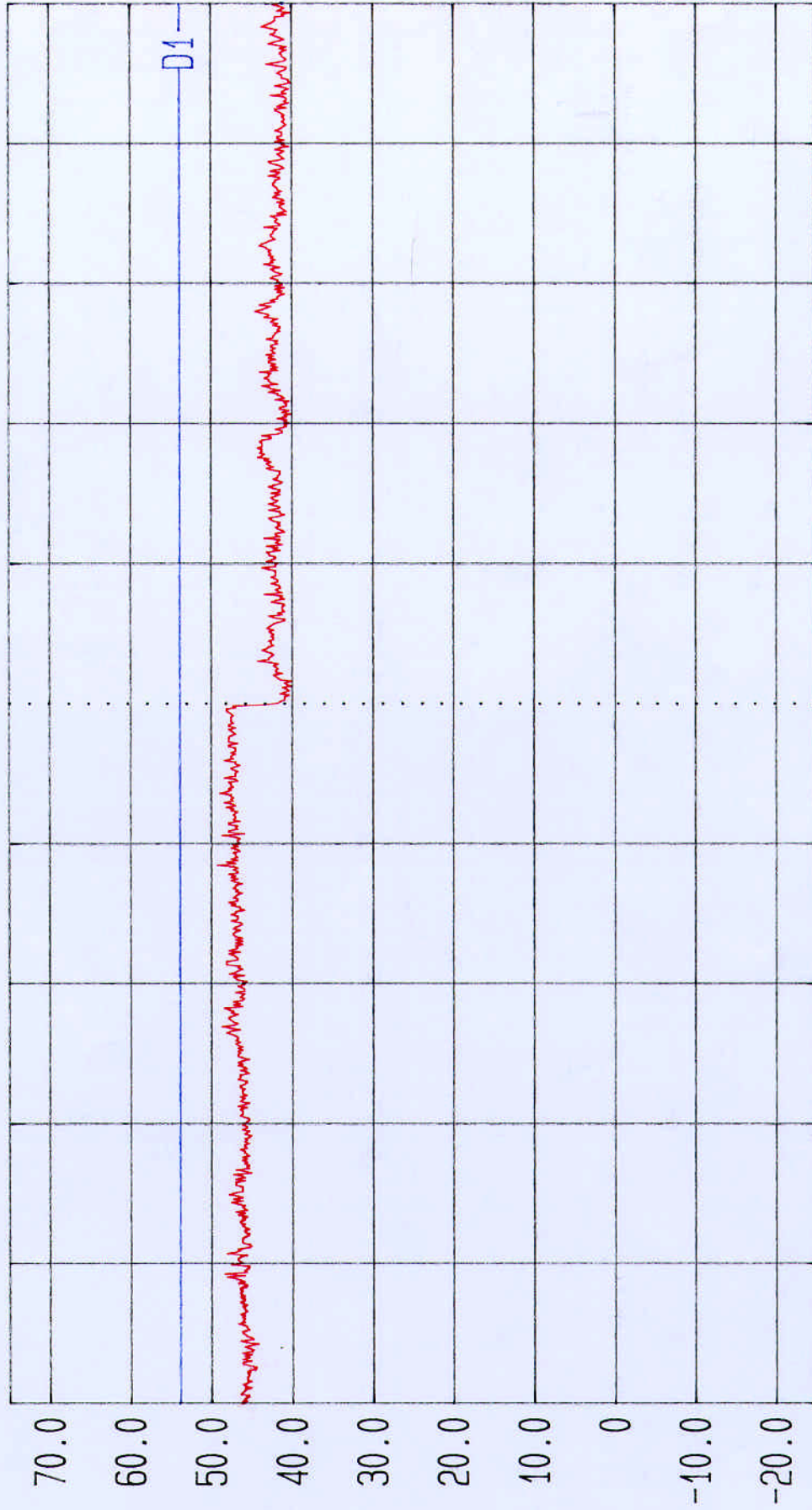
Start 450 kHz
 Span 29.55 MHz
 Center 3.67423 MHz
 Sweep 2.2 s
 Stop 30 MHz

Tested By RFI For RED M
 Spec: FCC Part 15.107 Opcond: Rx Mode
 EUT: 1000AP
 Conducted Emissions Live Line
 ENG: PJG
 GPH: 42147/02/042



LVLOFF
 Date 12.Apr.'01 Time 15:01:51
 Ref.Lvl
 75.00 dBuV

Res.Bw 1 MHz [imp]
 IG.Lvl Off
 CF.Stp 200.000 MHz
 Vid.Bw 3 MHz
 RF.Att 0 dB
 Unit [dBuV]



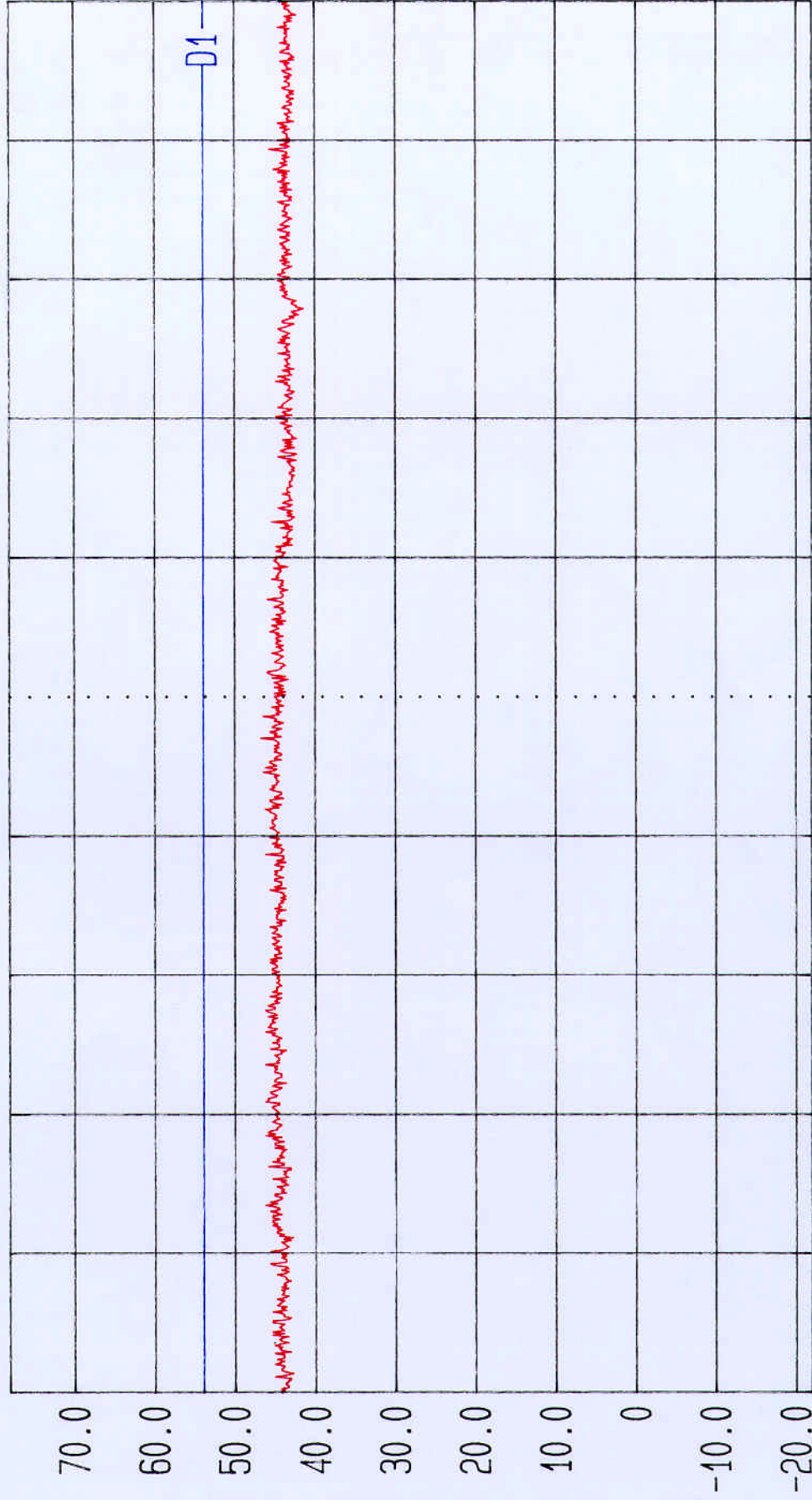
PA
 10
 FI

Start 4 GHz
 Span 2 GHz
 Center 5 GHz
 Sweep 20 ms
 Stop 6 GHz
 Tested by RFI For Red-M
 Spec: FCC Part 15.209
 Eut: 1000AP
 Opcond: Tx hopping
 GPH/42147/02/043
 ENG: PJG/NS



LVLOFF
Date 12.Apr. '01 Time 15:06:54
Ref.Lvl
78.00 dB μ V

Res.Bw
TG.Lvl
CF.Stp
1 MHz [imp]
off
200.000 MHz
Vid.Bw
RF.Att
Unit
3 MHz
0 dB
[dB μ V]



Tested by RFI For Red-M
Spec: FCC Part 15.209

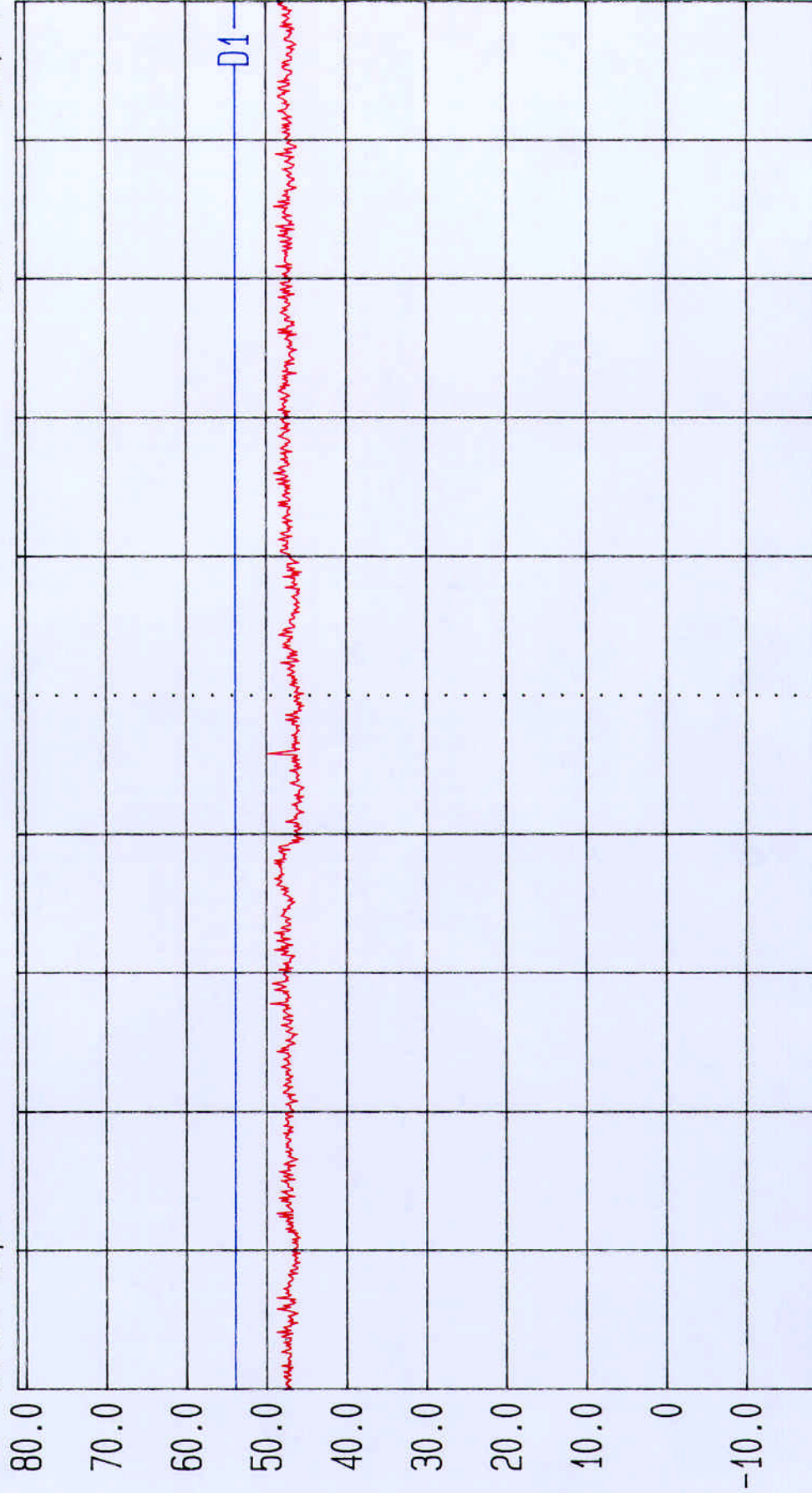
Eut: 1000AP
Opcond: Tx hopping

GPH/42147/02/044
ENG: PJG/NS



LVLOFF
Date 12.Apr.'01 Time 15:12:39
Ref.Lvl 81.00 dBμV

Res.Bw 1 MHz [imp]
TG.Lvl Off
CF.Stp 400.000 MHz
Vid.Bw 3 MHz
RF.Att 0 dB
Unit [dBμV]



Start 8 GHz Stop 12 GHz
Span 4 GHz Sweep 40 ms
Center 10 GHz
Tested by RFI For Red-M
Spec: FCC Part 15.209
Eut: 1000AP
Opcond: Tx hopping
GPH/42147/02/045
ENG: PJG/NS

PA
10
FI

PA	10	FI
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LVLOFF

Date 12.Apr.'01 Time 16:05:28

Ref.Lvl Marker

64.00 dB* 50.50 dB* 18.0000 GHz

Res.Bw 1 MHz [imp]

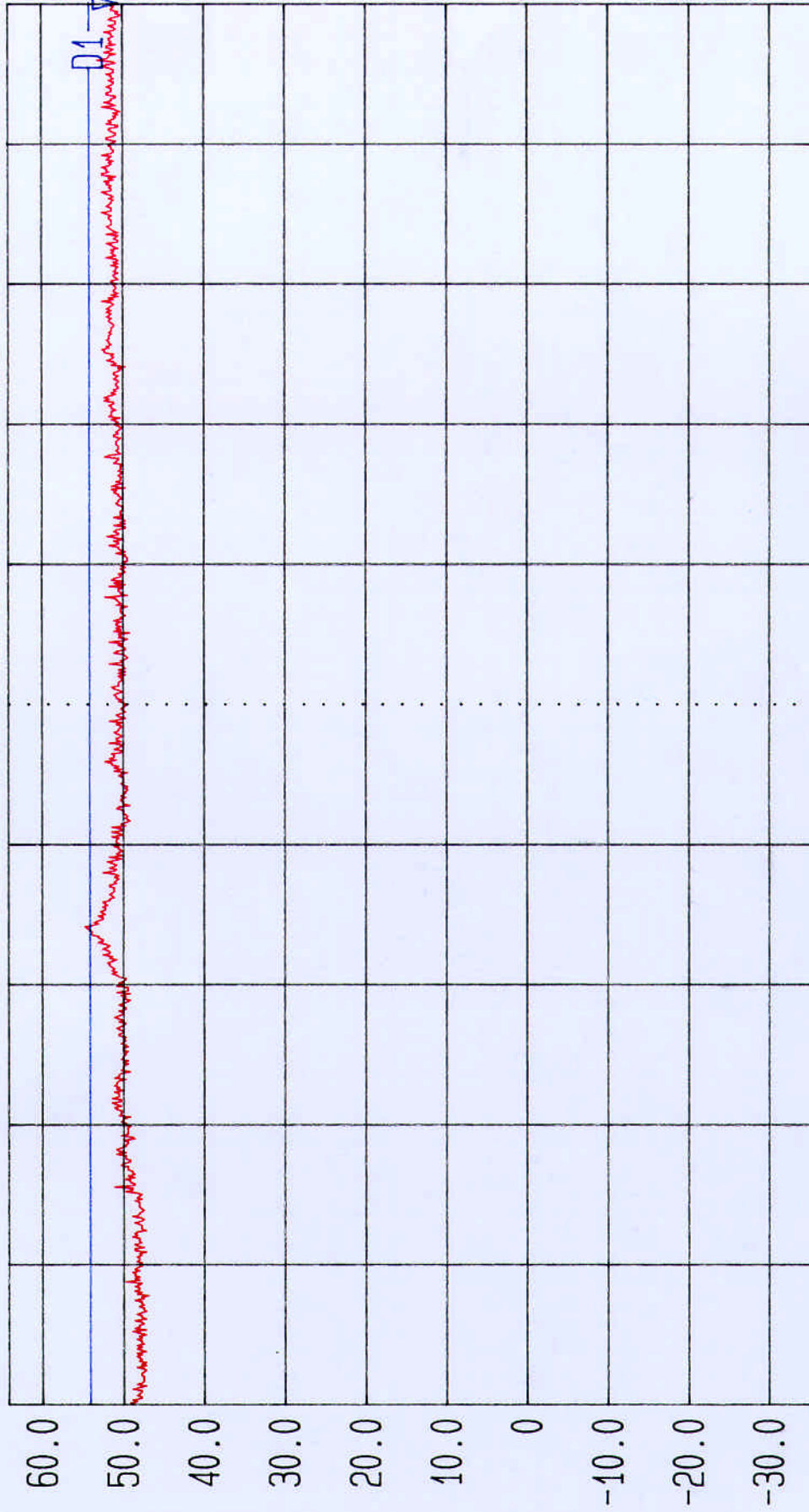
TG.Lvl off

CF.Stp 600.000 MHz

Vid.Bw 1 MHz

RF.Att 0 dB

Unit [dBμV/m]



Start 12 GHz

Span 6 GHz

Center 15 GHz

Sweep 40 ms

Stop 18 GHz

PA
10
FI

Tested by RFI For Red-M
Spec: FCC Part 15.109

Eut: 1000AP
Opcond: Rx Mode

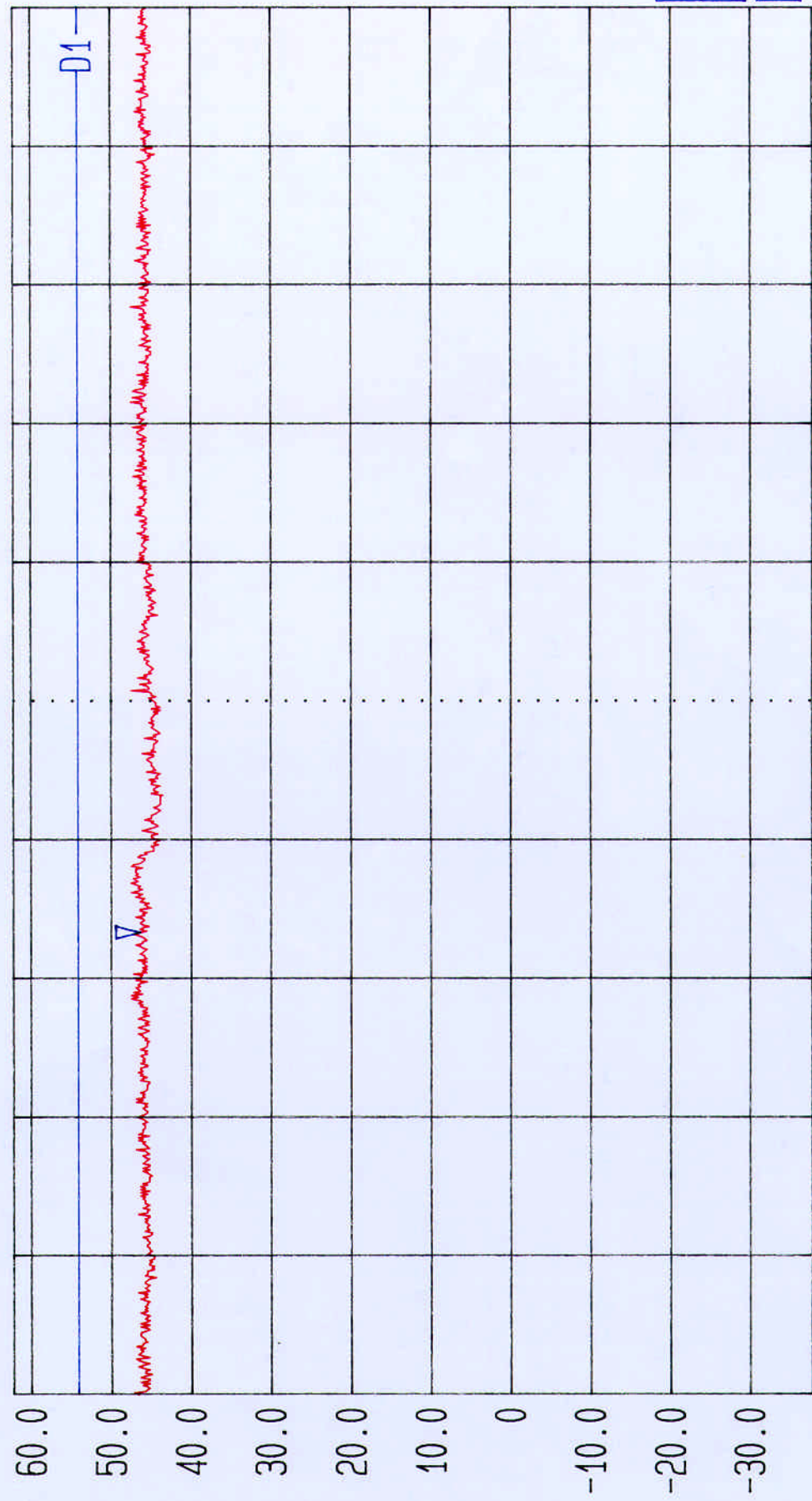
GPH/42147/02/047
ENG: PJG/NS

LVLOFF



Date 12.Apr.'01 Time 16:20:32
Ref.Lvl Marker 46.21 dB*
62.00 dB* 9.3333 GHz

Res.Bw 1 MHz [imp] off
TG.Lvl 400.000 MHz
CF.Stp
Vid.Bw 1 MHz
RF.Att 0 dB
Unit [dBμV/m]



Start 8 GHz Stop 12 GHz
Span 4 GHz Sweep 40 ms
Center 10 GHz
Tested by RFI For Red-M
Spec: FCC Part 15.109
Eut: 1000AP
Opcond: Rx Mode
GPH/42147/02/048
ENG: PJG/NS

PA
10
FI

LVLOFF



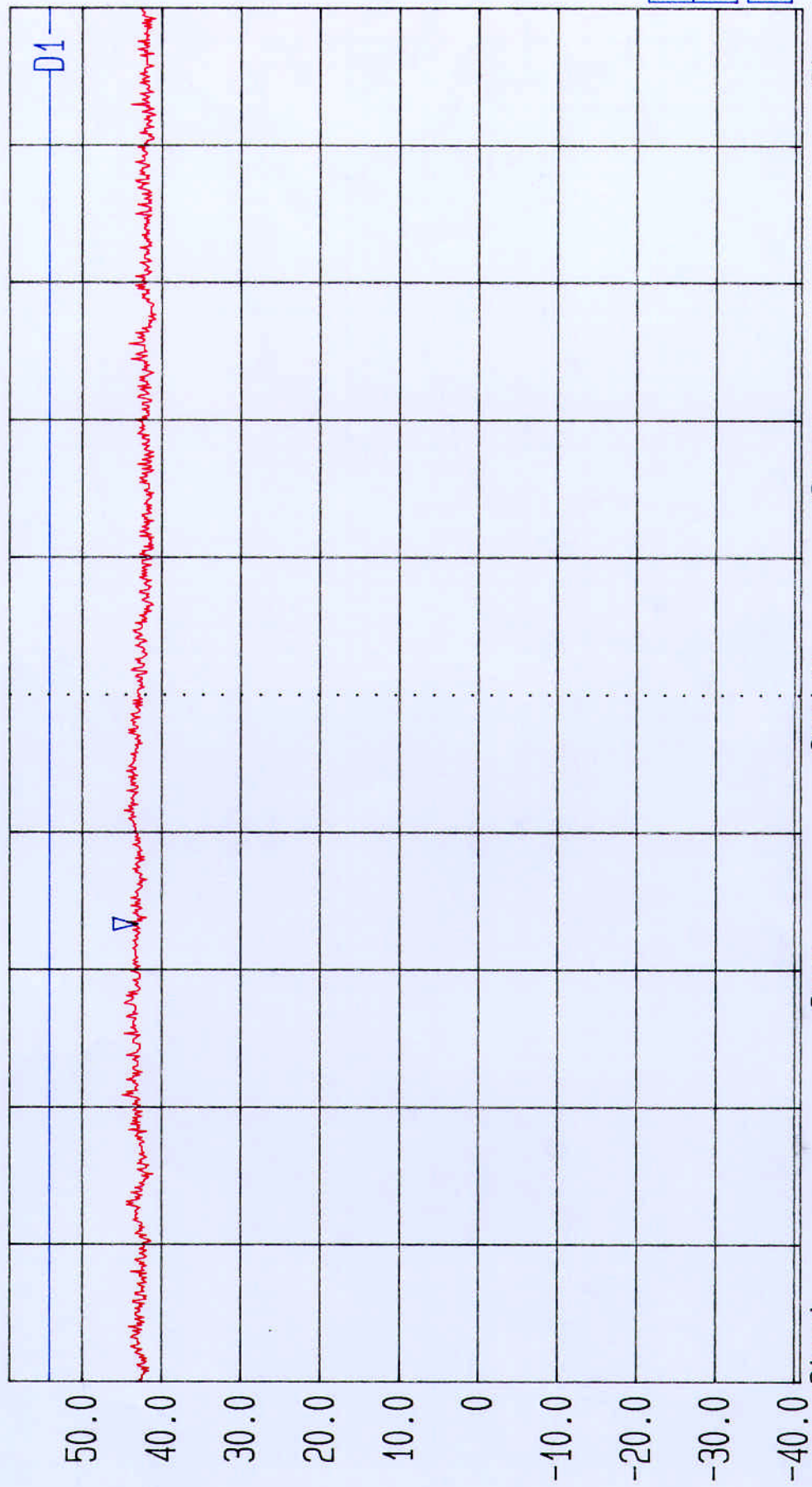
Date 12.Apr.'01 Time 16:24:58

Ref.Lvl 59.00 dB*
Marker 42.96 dB*
6.6666 GHz

Res.Bw
TG.Lvl
CF.Stp

1 MHz [imp]
off
200.000 MHz

Vid.Bw 1 MHz
RF.Att 0 dB
Unit [dBμV/m]



Tested by RFI For Red-M
Spec: FCC Part 15.109

Eut: 1000AP
Opcond: Rx Mode

GPH/42147/02/049
ENG: PJG/NS