

**GRAPHICAL TEST RESULTS
PART 6
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

Radio Frequency Investigation Ltd, Ewhurst Park, Ramsdell,
Basingstoke, Hampshire, RG26 5RQ, ENGLAND.
Tel: +44 (0) 1256 851193 Fax: +44 (0) 1256 851192

Registered in England, No. 211 7901.
Registered Office: Ewhurst Park, Ramsdell,
Basingstoke, Hampshire RG26 5RQ



TESTING
0644

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

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

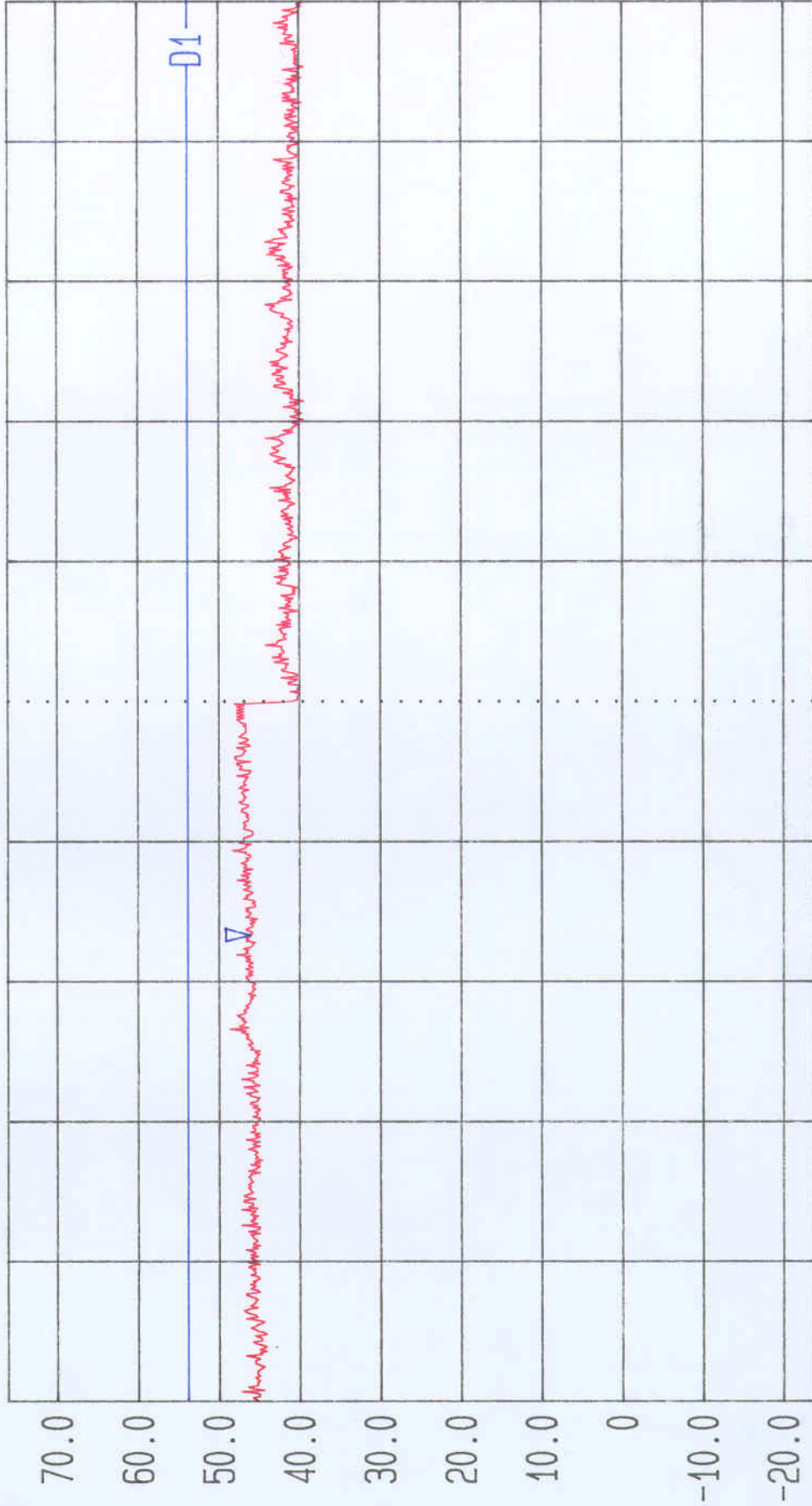
This section contains the following graphs:

Graph Reference Number	Title
GPH\42147JD02\050	Radiated Emissions, Receive Mode (4 GHz to 6 GHz) Part 15.109
GPH\42147JD02\051	Radiated Emissions, Transmit Mode, Hopping (18 GHz to 26 GHz) Part 15.209
GPH\42147JD02\052	Transmit Mode, Bottom Channel (0.030 GHz to 2.39 GHz) Part 15.247 (c)
GPH\42147JD02\053	Transmit Mode, Bottom Channel (2.39 GHz to 2.49 GHz) Part 15.247 (c)
GPH\42147JD02\054	Transmit Mode, Bottom Channel (2.49 GHz to 26 GHz) Part 15.247 (c)
GPH\42147JD02\055	Transmit Mode, Middle Channel (0.030 GHz to 2.39 GHz) Part 15.247 (c)
GPH\42147JD02\056	Transmit Mode, Middle Channel (2.39 GHz to 2.49 GHz) Part 15.247 (c)
GPH\42147JD02\057	Transmit Mode, Middle Channel (2.49 GHz to 26 GHz) Part 15.247 (c)
GPH\42147JD02\058	Transmit Mode, Top Channel (0.030 GHz to 2.39 GHz) Part 15.247 (c)
GPH\42147JD02\059	Transmit Mode, Top Channel (2.39 GHz to 2.49 GHz) Part 15.247 (c)
GPH\42147JD02\060	Transmit Mode, Top. Channel (2.49 GHz to 26 GHz) Part 15.247 (c)



LVLOFF
Date 12.Apr.'01 Time 16:30:05
Ref.Lvl 76.00 dB* Marker 46.14 dB*
4.6666 GHz

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



PA
10
FI

Start 4 GHz Stop 6 GHz
Span 2 GHz Sweep 20 ms
Center 5 GHz
Tested by RFI For Red-M Eut: 1000AP
Spec: FCC Part 15.109 Opcond: Rx Mode
GPH/42147/02/050
ENG: PJG/NS



LVLOFF

Date 17.Apr.'01 Time 13:24:04

Ref.Lvl 65.00 dBμV

Marker 62.59 dBμV

25.2444 GHz

Res.Bw

TG.Lvl

CF.Stp

1 MHz [imp]

off

800.000 MHz

Vid.Bw

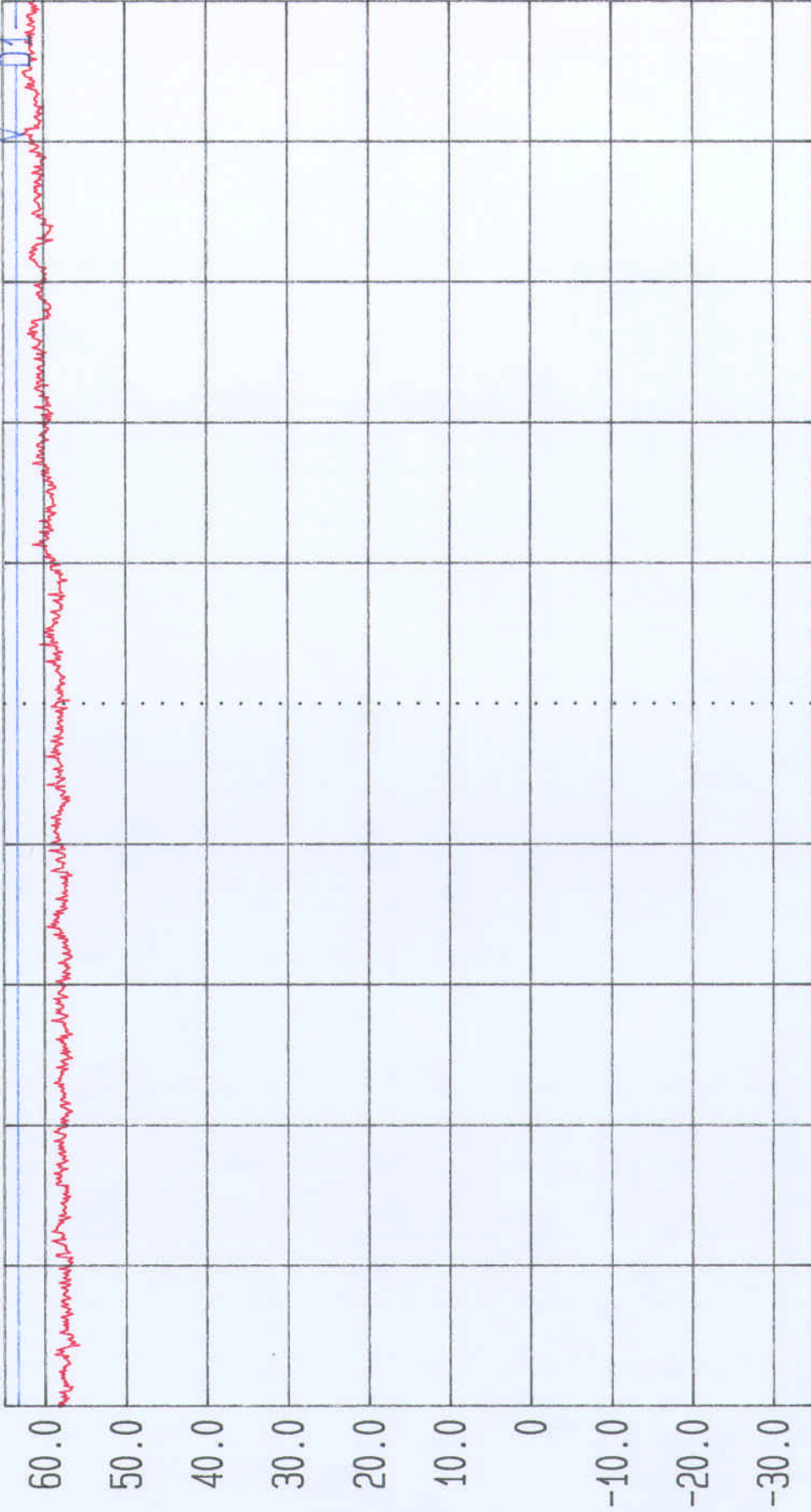
RF.Att

Unit

3 MHz

0 dB

[dBμV]



PA
10
FI

Start
18 GHz

Span
8 GHz

Center
22 GHz

Sweep
60 ms

Stop
26 GHz

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

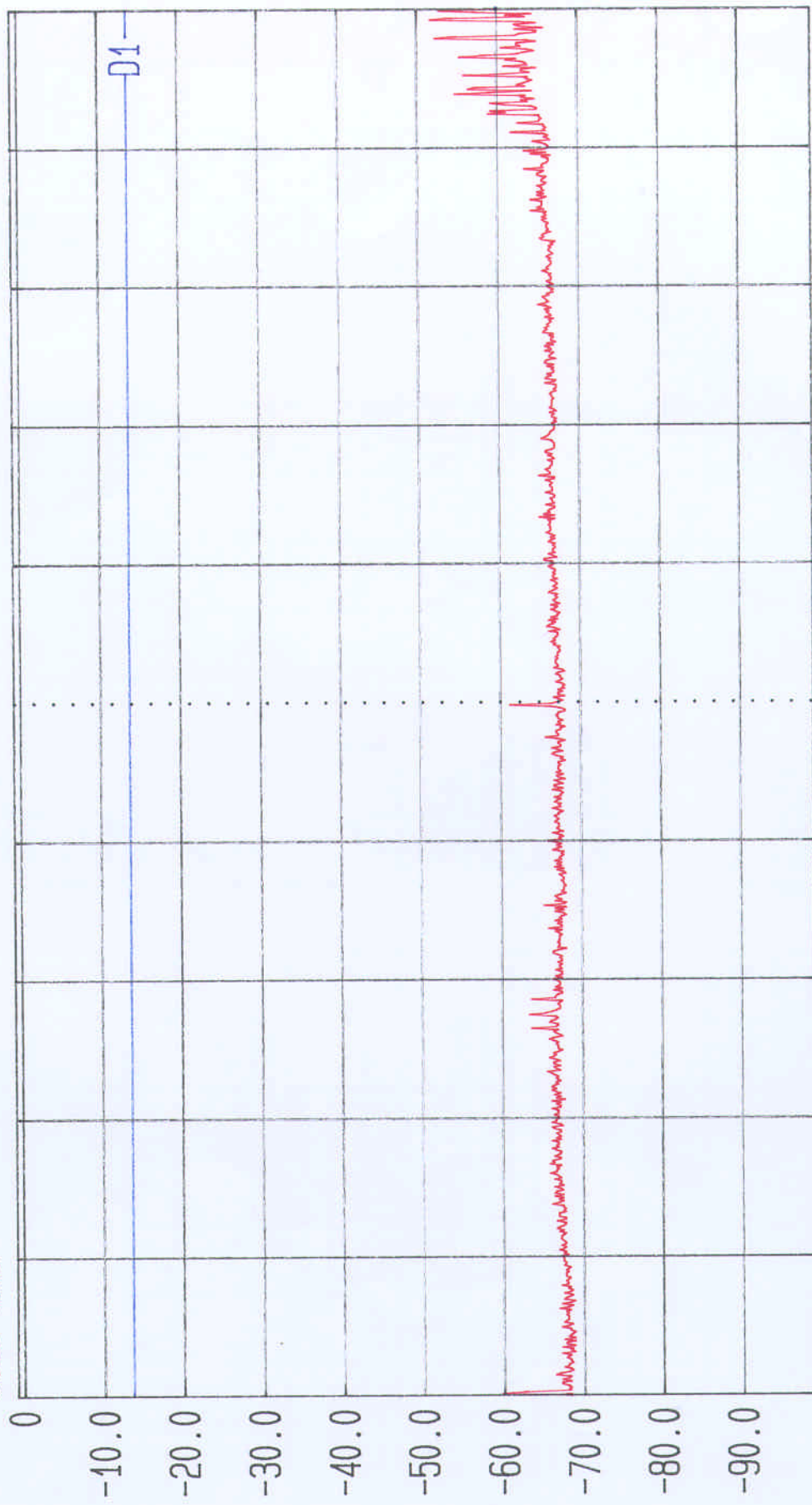
Eut: 1000AP
Opcond: Tx Hopping

GPH/42147/2/051
ENG: NS

LVLOFF
Date 17.Apr.'01 Time 14:49:52

Ref.Lvl
0.80 dBm

Res.Bw 100.0 kHz [3dB] Vid.Bw 100 kHz
CF.Stp 236.000 MHz RF.Att 5 dB
Unit [dBm]

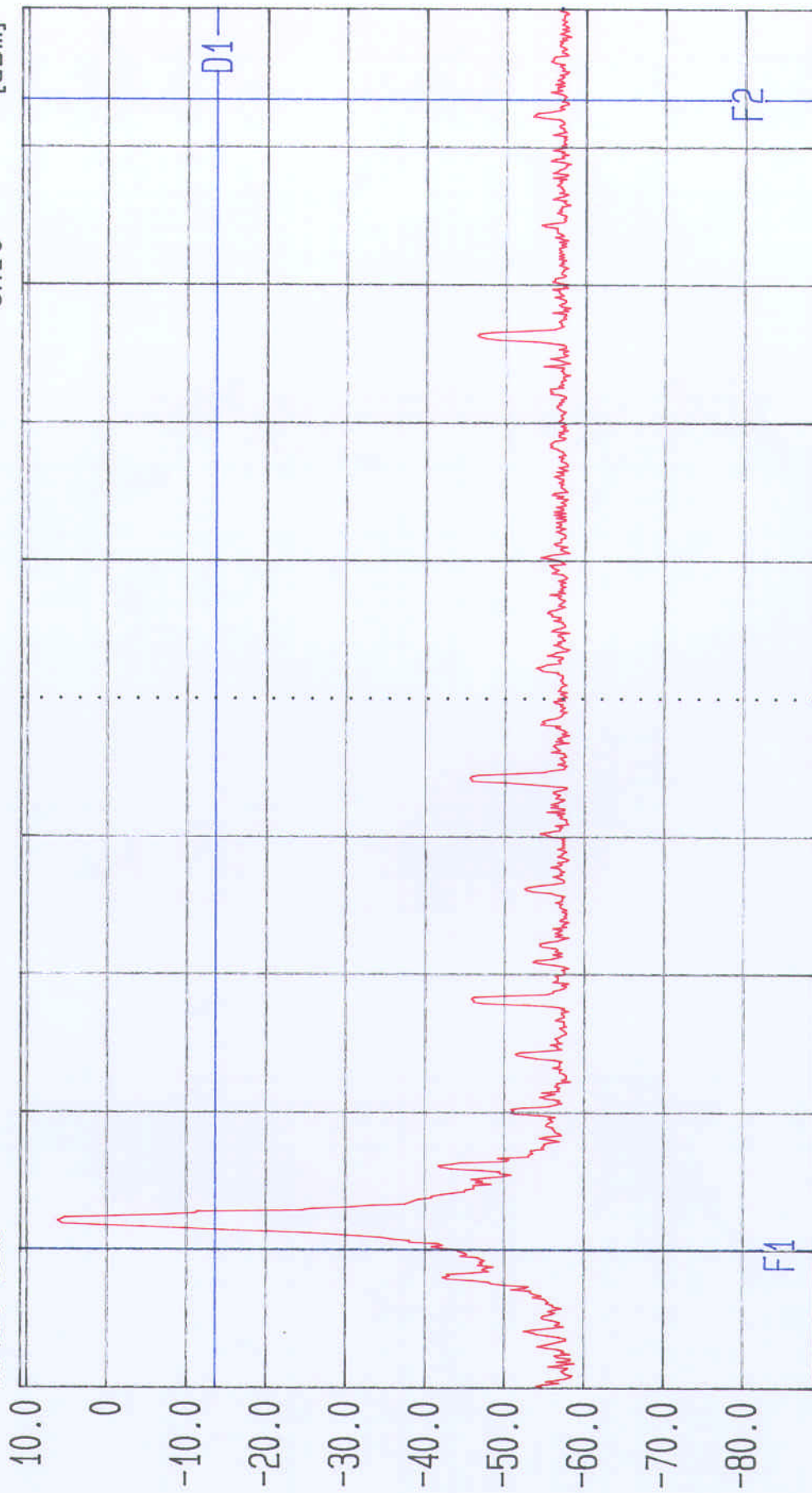


Start 0.030 GHz Stop 2.39 GHz
Sweep 720 ms
Center 1.21 GHz
Span 2.36 GHz
EUT*1000AP
Opcond: Tx Bottom Channel
GPH/42147/02/52
ENG: NS
Tested by RF for Red-M
FCC Part 15.247 (c)

LVLOFF
Date 17.Apr.'01 Time 14:53:04

Ref.Lvl
10.80 dBm

Res.Bw 100.0 kHz [3dB] Vid.Bw 100 kHz
CF.Stp 10.000 MHz RF.Att 5 dB
Unit [dBm]



Start
2.39 GHz

Span
100 MHz

Center
2.44 GHz

Sweep
40 ms

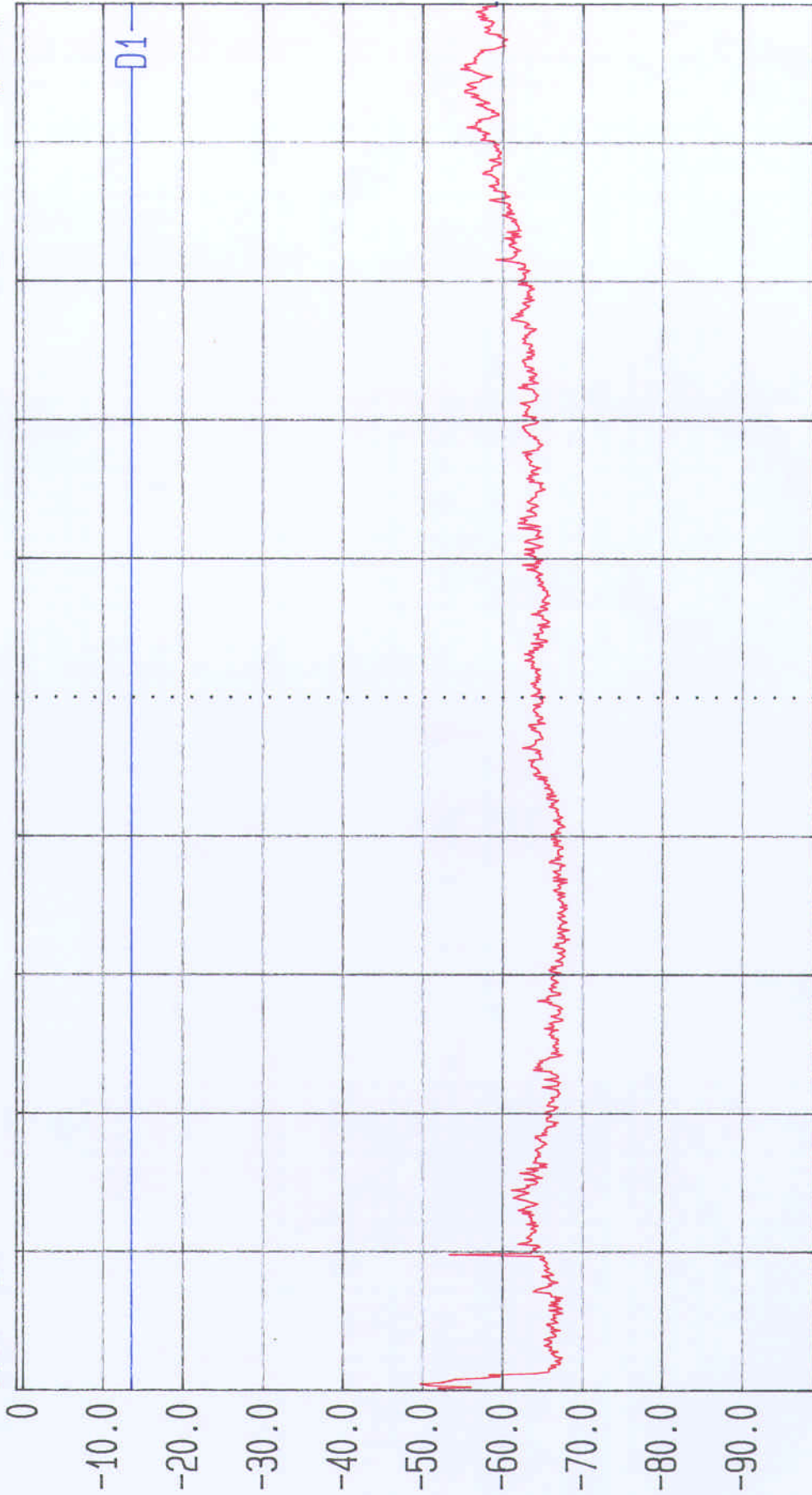
Stop
2.49 GHz

Tested by RF for Red-M
FCC Part 15.247 (c)

EUTx1000AP
Opcond: Tx Bottom Channel

GPH/42147/02/53
ENG: NS

LVLOFF
Date 17.Apr.'01 Time 14:57:28
Ref.Lvl 0.80 dBm
Res.Bw 100.0 kHz [3dB] Vid.Bw 100 kHz
CF.Stp 2.351 GHz RF.Att 5 dB
Unit [dBm]



Start 2.49 GHz Stop 26 GHz
Sweep 7.2 s
Center 14.245 GHz
Span 23.51 GHz
EUT*1000AP
Opcond: Tx Bottom Channel
GPH/42147/02/54
ENG: NS

LVLOFF

Date 17.Apr.'01 Time 15:02:35

Ref.Lvl Marker

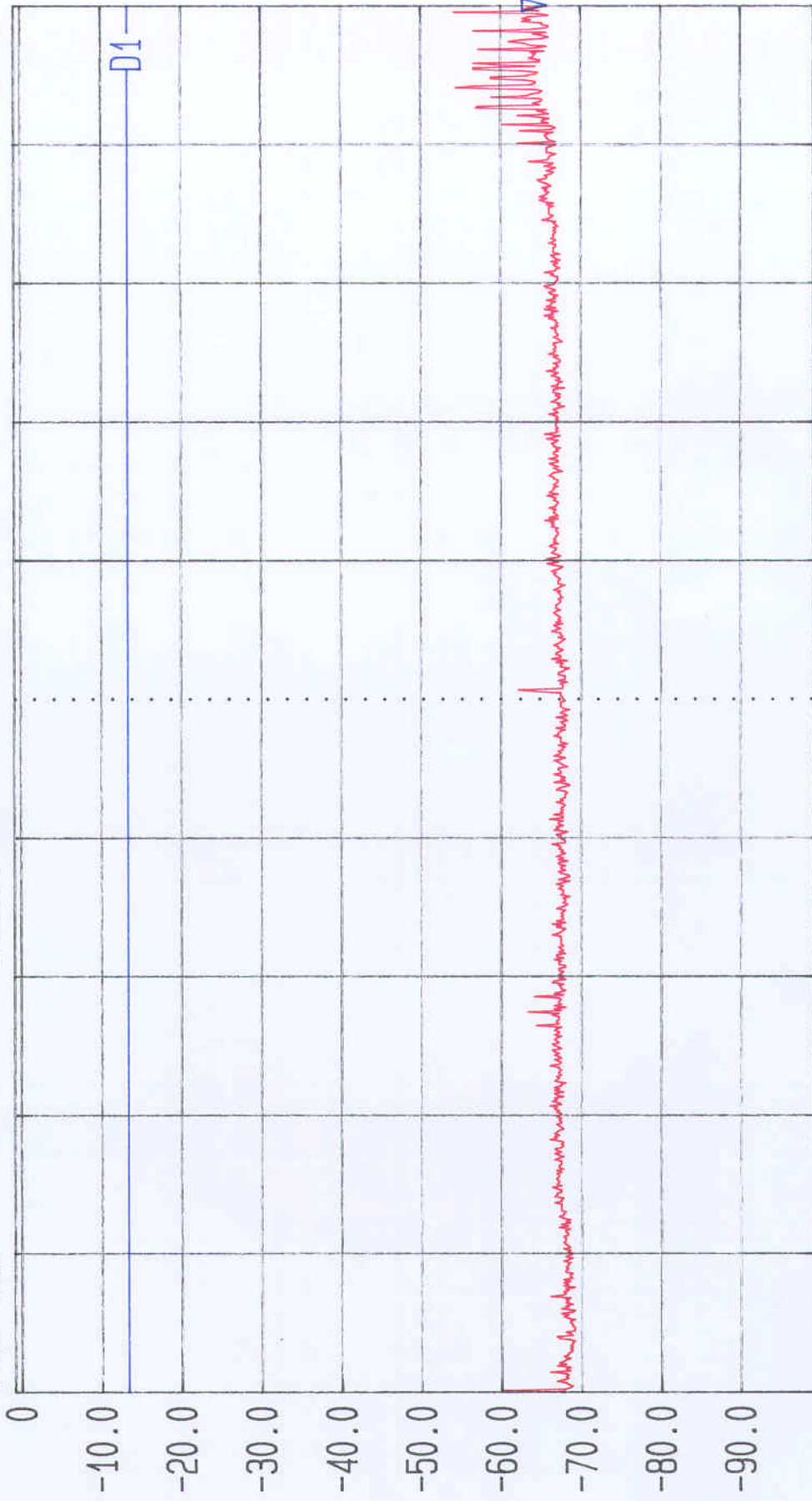
-65.83 dBm
2.3900 GHz

Res.Bw 100.0 kHz [3dB]

CF.Stp 236.000 MHz

RF.Att 5 dB
Unit [dBm]

Vid.Bw 100 kHz



Start
0.030 GHz

Span
2.36 GHz

Center
1.21 GHz

Sweep
720 ms

Stop
2.39 GHz

Tested by RFI for Red-M
FCC Part 15.247 (c)

EUT: 1000AP
Opcond: Tx Middle Channel

GPH/42147/02/55
ENG: NS

LVLOFF

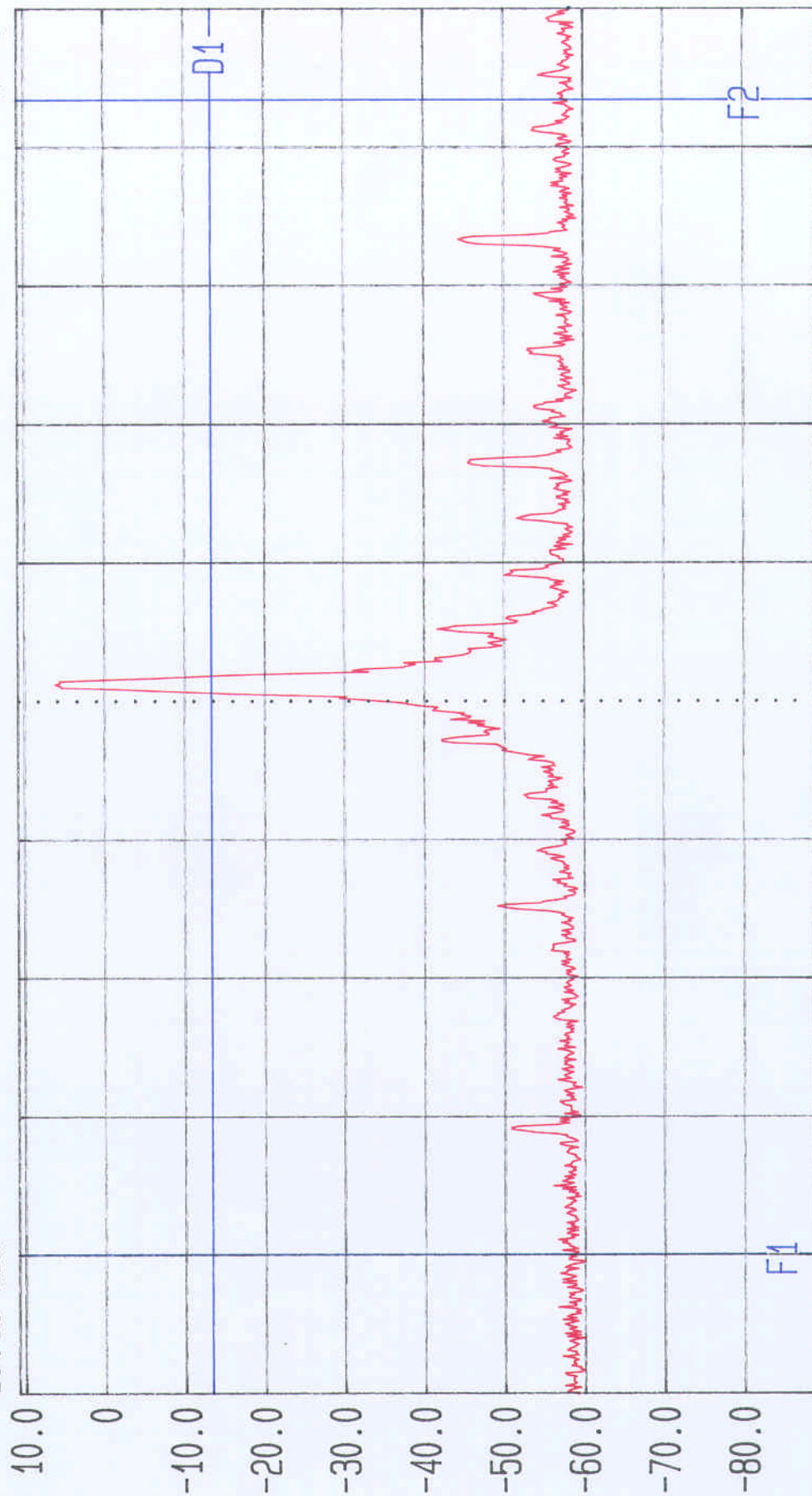
Date 17.Apr.'01 Time 15:05:50

Ref.Lvl

10.80 dBm

Res.Bw 100.0 kHz [3dB] Vid.Bw 100 kHz

CF.Stp 10.000 MHz RF.Att 5 dB [dBm] Unit



Start 2.39 GHz Sweep 40 ms Stop 2.49 GHz

Tested by RFI for Red-M
FCC Part 15.247 (c)

EUT: 1000AP
Opcond: Tx Middle Channel

GPH/42147/02/56
ENG: NS

LVLOFF

Date 17.Apr.'01 Time 15:08:12

Ref.Lvl

0.80 dBm

Res.Bw 100.0 kHz [3dB]

Vid.Bw 100 kHz

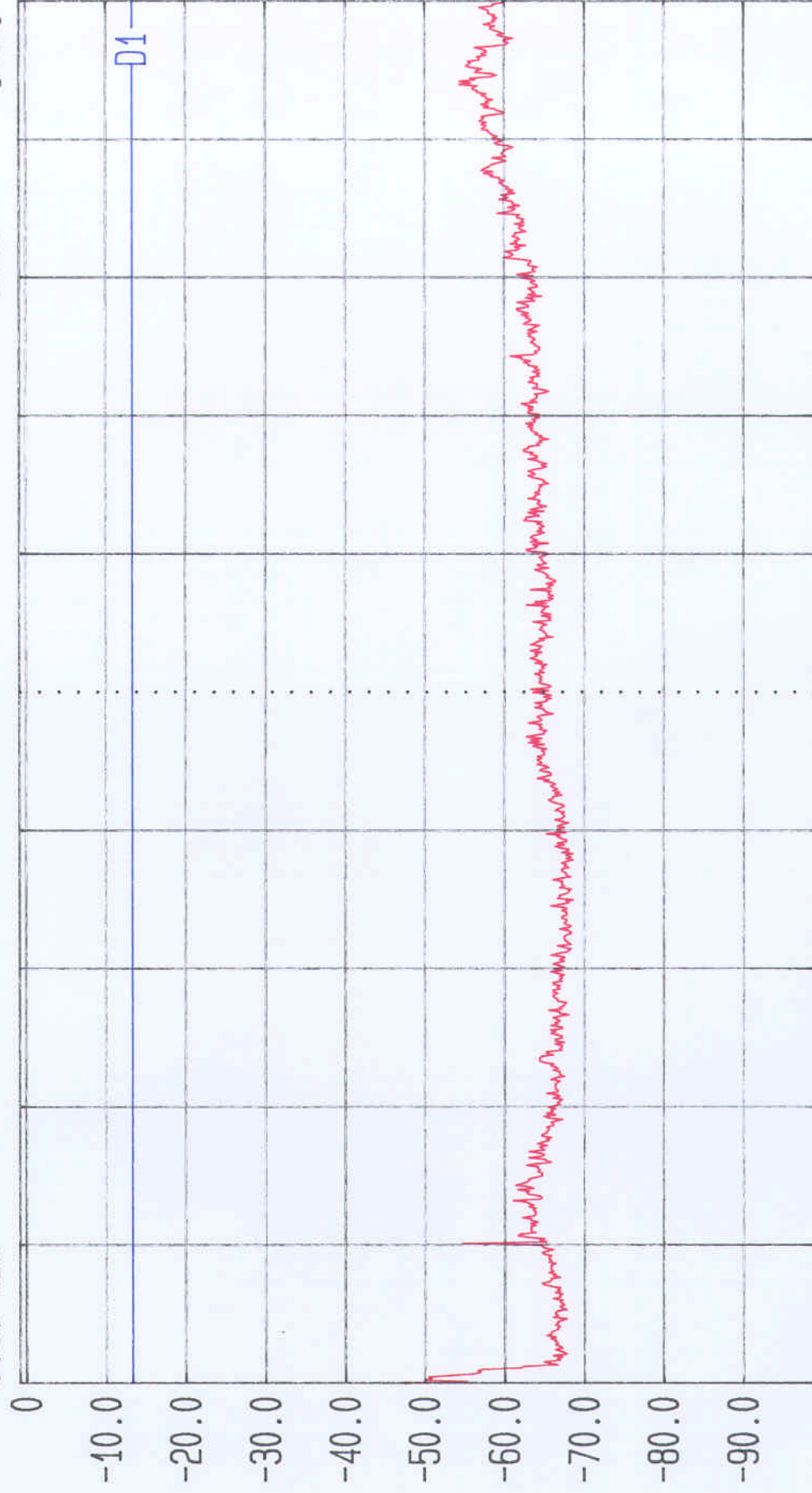
CF.Stp

2.351 GHz

RF.Att

5 dB

[dBm]



Start

2.49 GHz

Span

23.51 GHz

Center

14.245 GHz

Sweep

7.2 s

Stop

26 GHz

Tested by RFI for Red-M
FCC Part 15.247 (c)

EUT: 1000AP

Opcond: Tx Middle Channel

GPH/42147/02/57

ENG: NS

LVLOFF

Date 17.Apr.'01 Time 15:10:55

Ref.Lvl Marker

-59.43 dBm

2.3900 GHz

Res.Bw 100.0 kHz [3dB]

CF.Stp 236.000 MHz

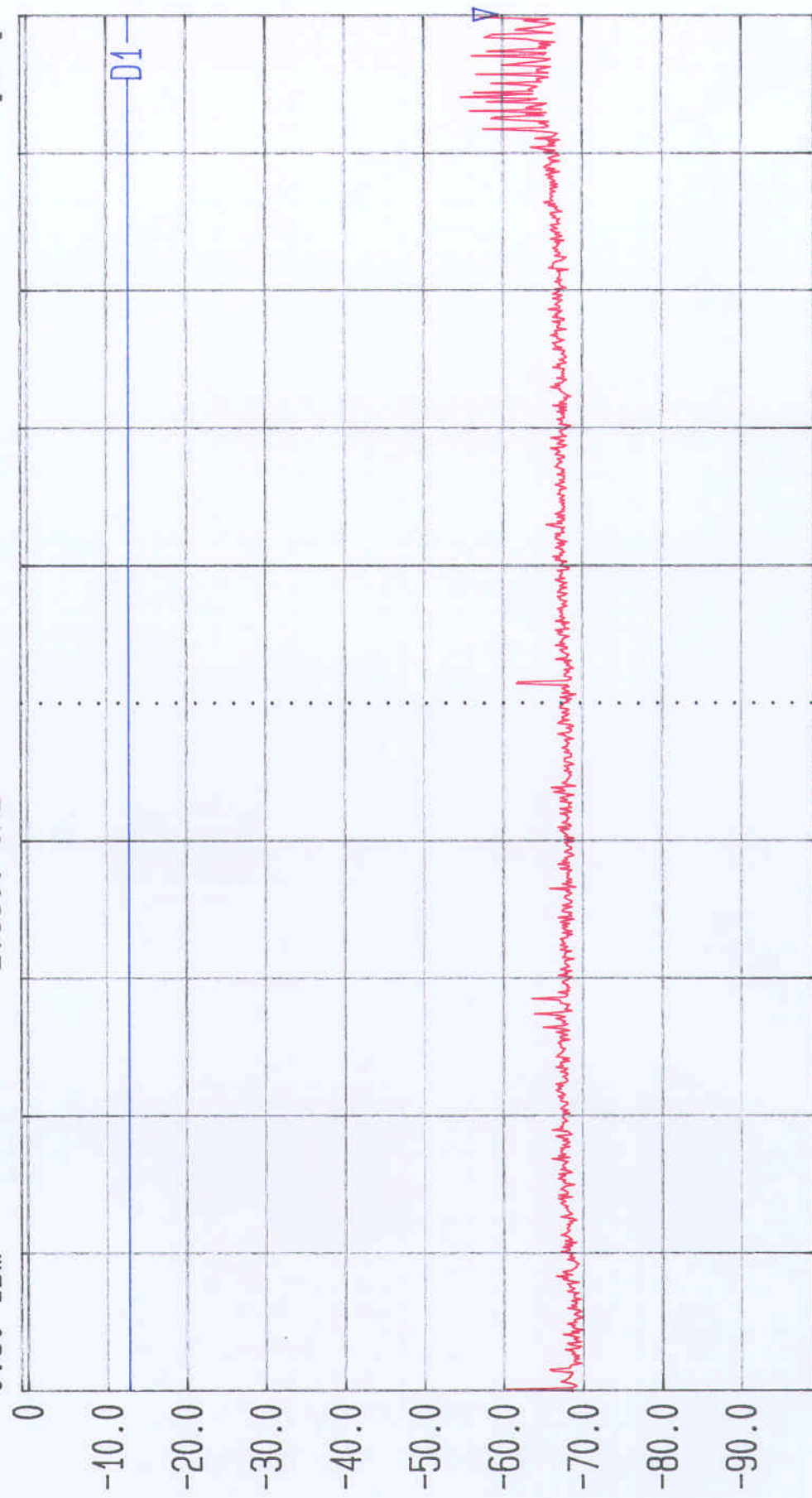
RF.Att

Unit

Vid.Bw 100 kHz

5 dB

[dBm]



Start 0.030 GHz

Span 2.36 GHz

Center 1.21 GHz

Sweep 720 ms

Stop 2.39 GHz

Tested by RFI for Red-M
8CC Part 15.247 (c)

EUT: 1000AP

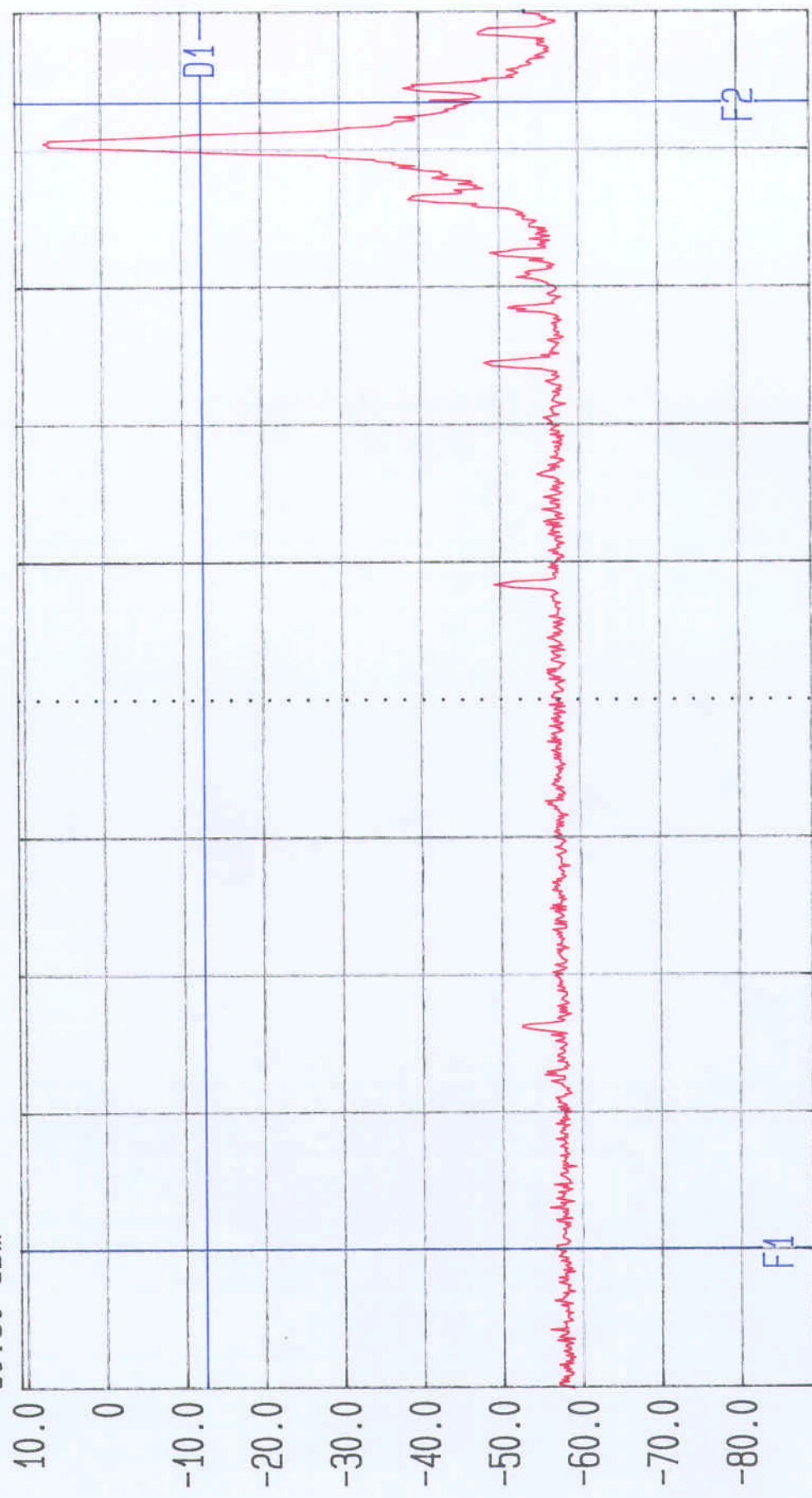
Opcond: Tx Top Channel

GPH/42147/02/58

ENG: NS

LVLOFF
Date 17.Apr.'01 Time 15:20:56
Ref.Lvl
10.80 dBm

Res.Bw 100.0 kHz [3dB] Vid.Bw 100 kHz
CF.Stp 10.000 MHz RF.Att 5 dB
Unit [dBm]



Start 2.39 GHz Stop 2.49 GHz
Span 100 MHz Sweep 40 ms
Center 2.44 GHz
EUT: 1000AP
Opcond: Tx Top Channel1
Tested by RFI for Red-M
8CC Part 15.247 (c)
GPH/42147/02/59
ENG: NS

LVLOFF
Date 17.Apr.'01 Time 15:23:16

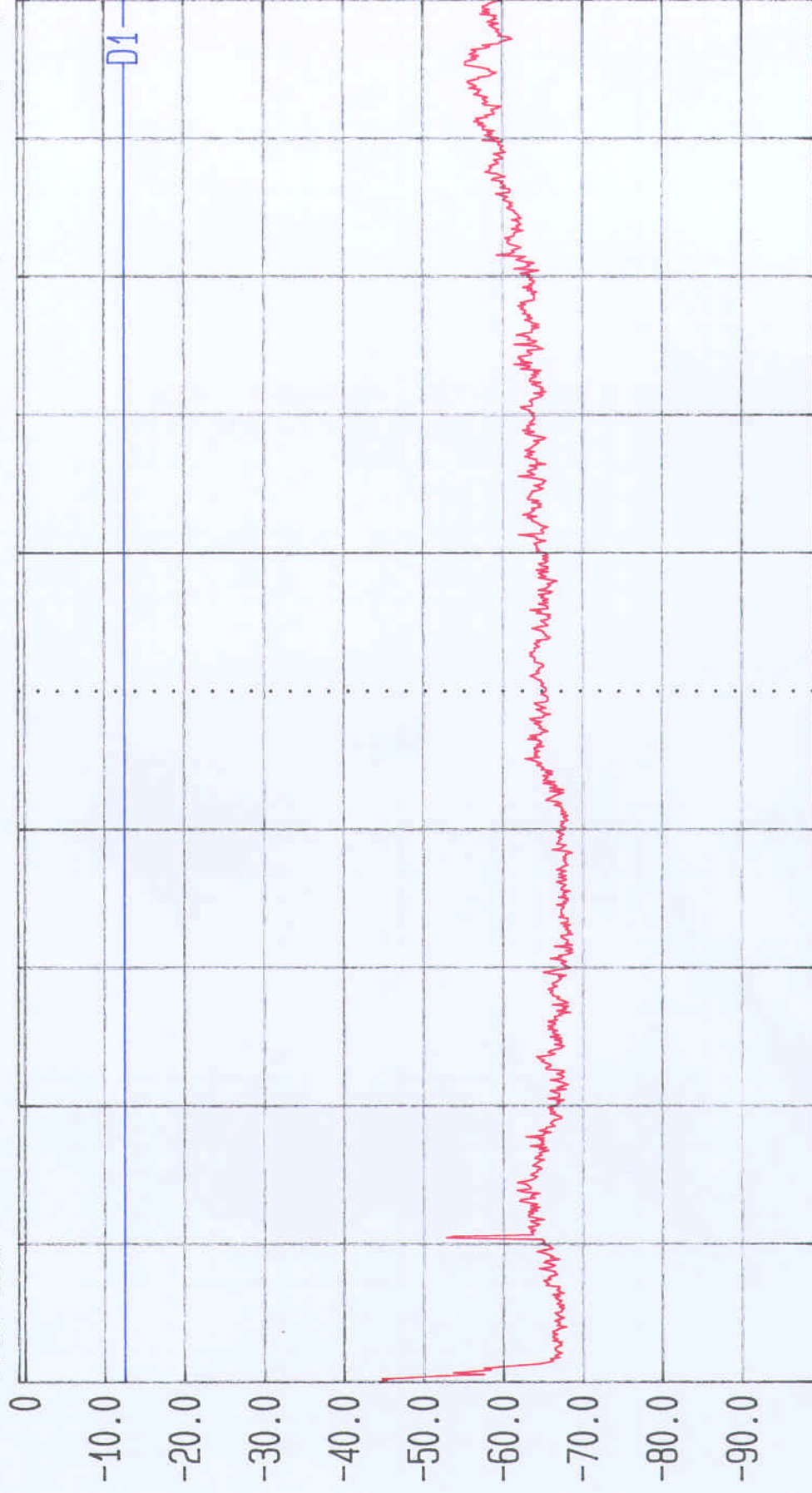
Ref.Lvl

0.80 dBm

Res.Bw 100.0 kHz [3dB]

Vid.Bw 100 kHz

CF.Stp 2.351 GHz
RF.Att 5 dB
Unit [dBm]



Start 2.49 GHz

Span 23.51 GHz

Center 14.245 GHz

Sweep 7.2 s

Stop 26 GHz

Tested by RFI for Red-M
8CC Part 15.247 (c)

EUT: 1000AP
Opcond: Tx Top Channel1

GPH/42147/02/60
ENG: NS