

EMC Department

Test Of: Red-M (Communications) Ltd.
3000AS Wireless Internet Server
with Access Server External Aerial (3000-501)
To: F.C.C. Part 15: 1998 Subpart C (Intentional Radiators). Section 15.247

Appendix 4. Graphical Test Results (Part 1b)

This appendix contains the following graphs:

Graph Reference Number	Title
GPH\41715ETF04\006	Radiated Emissions, Hopping all frequencies (2.47355 GHz to 2.4935 GHz) Section 15.247 (c)
GPH\41715ETF04\007	Hopping all frequencies Section 15.257 (a)
GPH\41715ETF04\008	Radiated Emissions, Hopping all frequencies (28.35 GHz to 2.39 GHz) Section 15.247 (c)
GPH\41715ETF04\009	Radiated Emissions, Hopping all frequencies (2.39 GHz to 2.49 GHz) Section 15.247 (c)
GPH\41715ETF04\010	Radiated Emissions, Hopping all frequencies (2.49 GHz to 26 GHz) Section 15.247 (c)

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

Graphical Test Results

S.No. RF/EMCB1/RP41715C

Issue Date: 28 February 2001

EMC Department

Test Of: Red-M (Communications) Ltd.

3000AS Wireless Internet Server

with Access Server External Aerial (3000-501)

To: F.C.C. Part 15: 1998 Subpart C (Intentional Radiators). Section 15.247

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LVLOFF



Date 05.Dec.'00 Time 15:40:52

Ref.Lvl

Marker

6.96 dBm

10.00 dBm

Res.Bw

TG.Lvl

CF.Stp

1 MHz [imp]

off

2.000 MHz

Vid.Bw

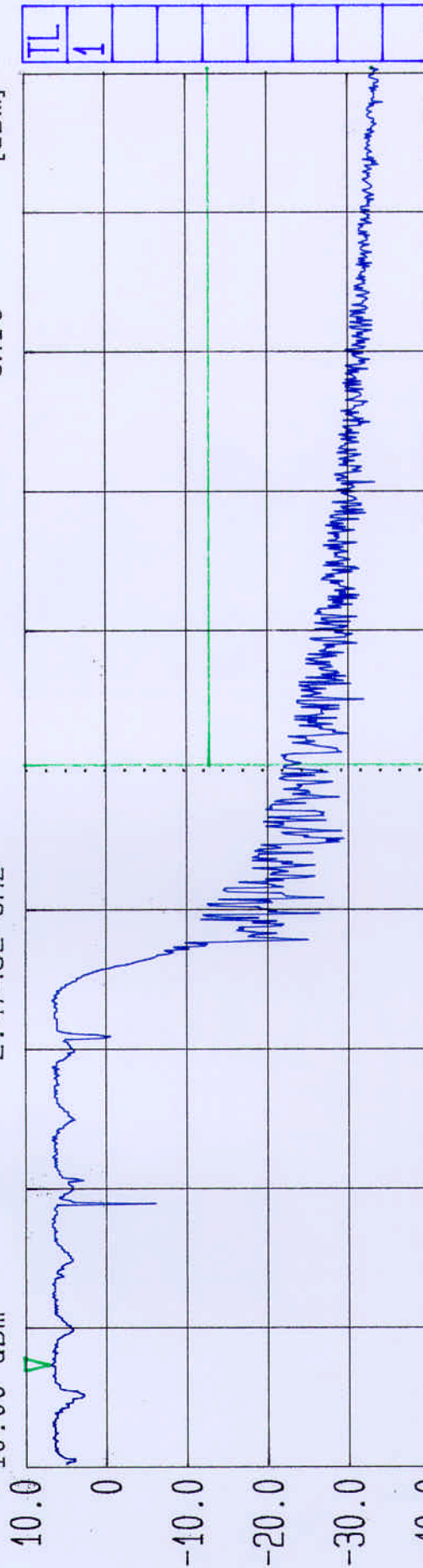
RF.Att

Unit

3 MHz

10 dB

[dBm]



Start

2.4735 GHz

Span

20 MHz

Center

2.4835 GHz

Sweep

20 ms

Stop

2.4935 GHz

Tested By RFI for RED M.
Spec: FCC Part 15.247 (c)

EUT: 3000AS

Opcond: Hopping all Frequencies

GPH: 41715/04/04/006

ENG: PG

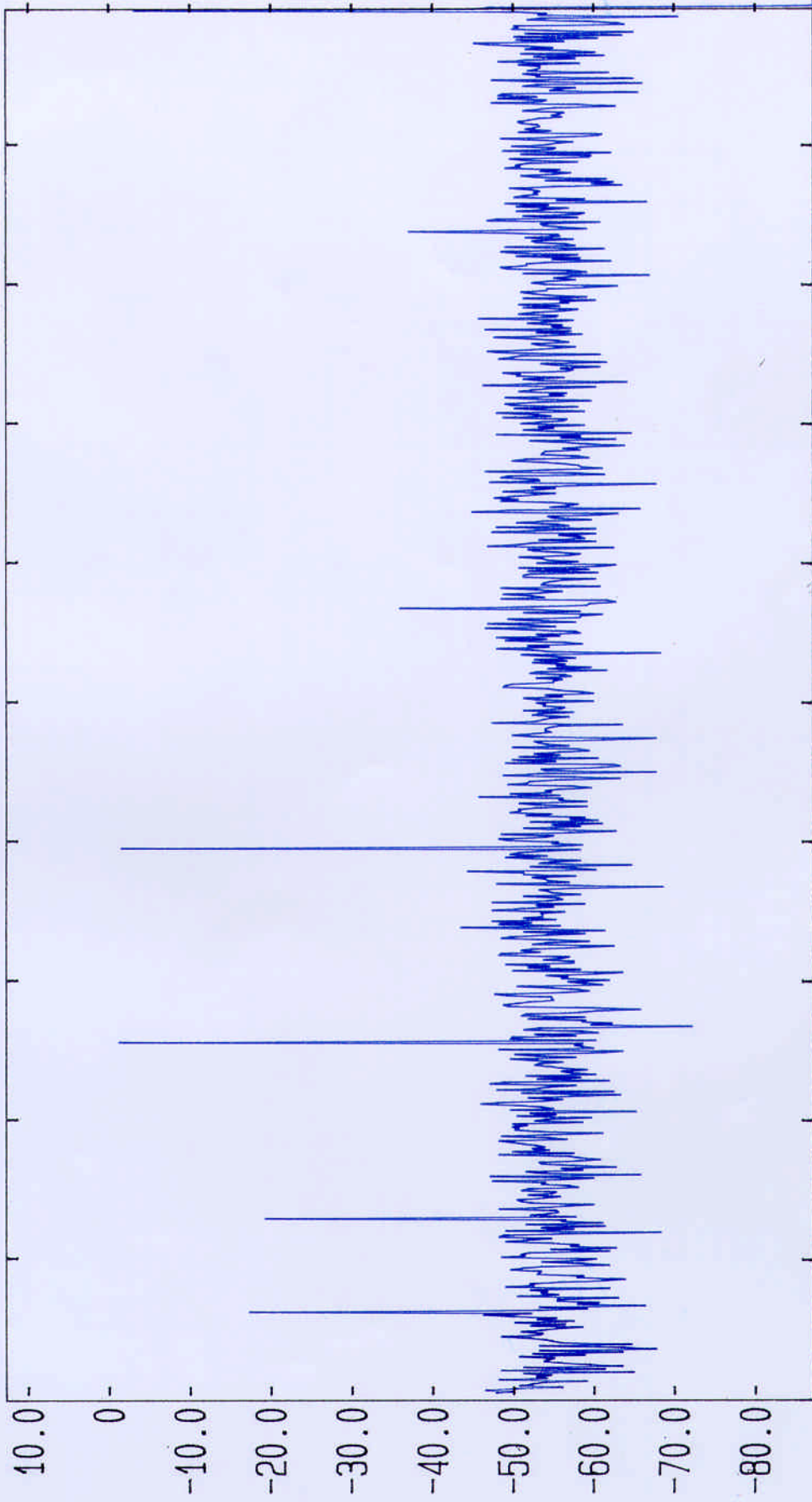
LVLOFF

Date 05.Dec.'00 Time 16:30:17

Ref.Lvl

12.70 dBm

Res.Bw 1.0 MHz [3dB]
TG.Lvl off
CF.Stp 100.000 kHz
Vid.Bw 1 MHz
RF.Att 20 dB
Unit [dBm]



Tested By RFI for RED M.
Spec: FCC Part 15.247(a)

EUT: 3000AS
Opcond: Hopping All Frequencies
GPH: 41715/04/04/007
ENG: PG

LVLOFF



Date 05.Dec.'00 Time 16:32:54

Ref.Lvl 12.70 dBm

Marker -50.17 dBm

2.2639 GHz

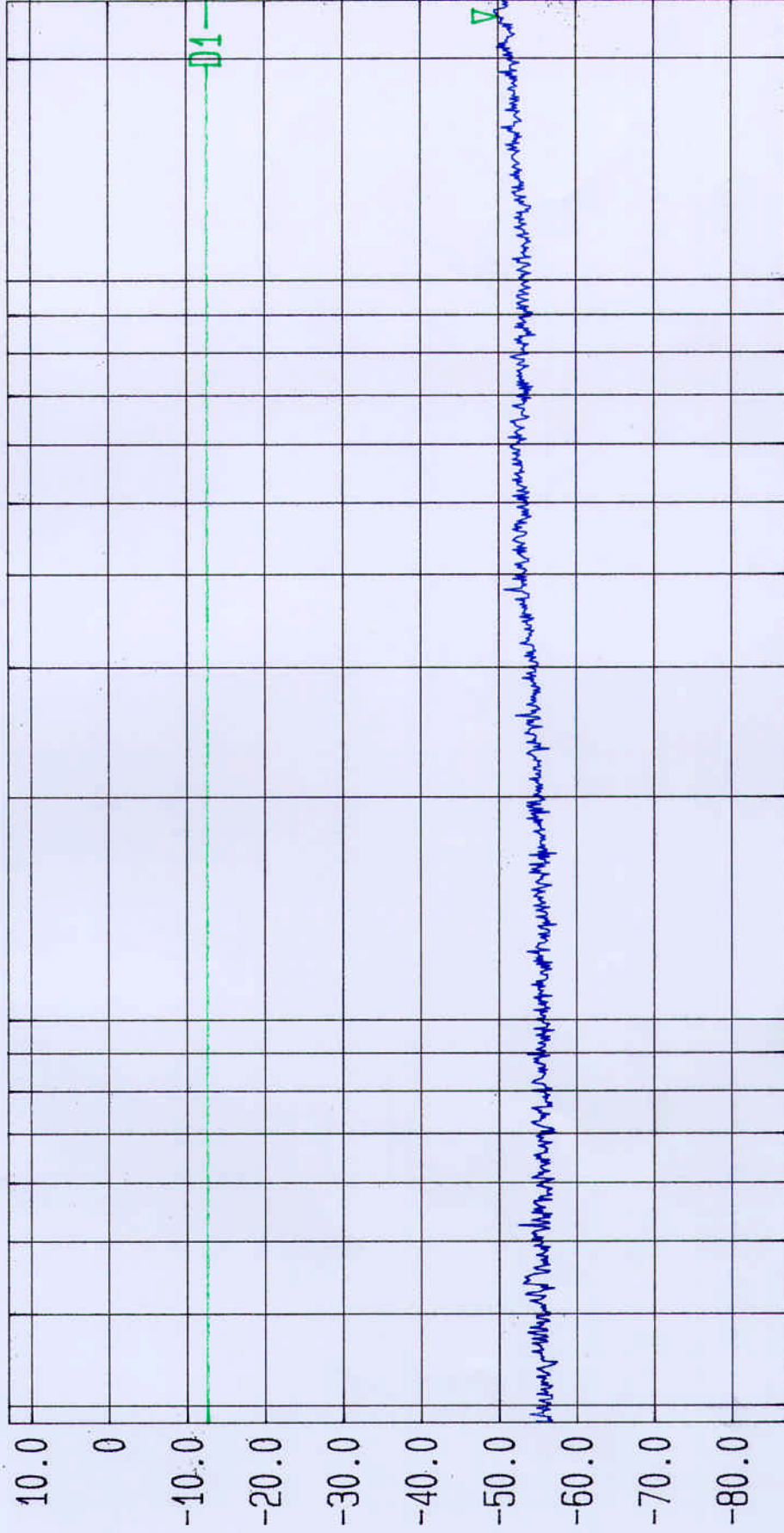
Res.Bw 100.0 kHz [3dB]

Vid.Bw 100 kHz

CF.Stp 236.164 MHz

RF.Att 20 dB

Unit [dBm]



100M

1G

Start 28.35 MHz

Span 2.361 GHz

Center 260.3 MHz

Sweep 80 ms

Stop 2.39 GHz

Tested by RFI for RED M.
Spec: FCC Part 15.247 (c)

EUT: 3000AS

Opcond: Hopping All Frequencies

GPH: 41715/04/04/008

ENG: PG

LVLOFF



Date 05.Dec.'00 Time 16:37:39

Ref.Lvl 12.70 dBm

Marker

6.00 dBm

2.4412 GHz

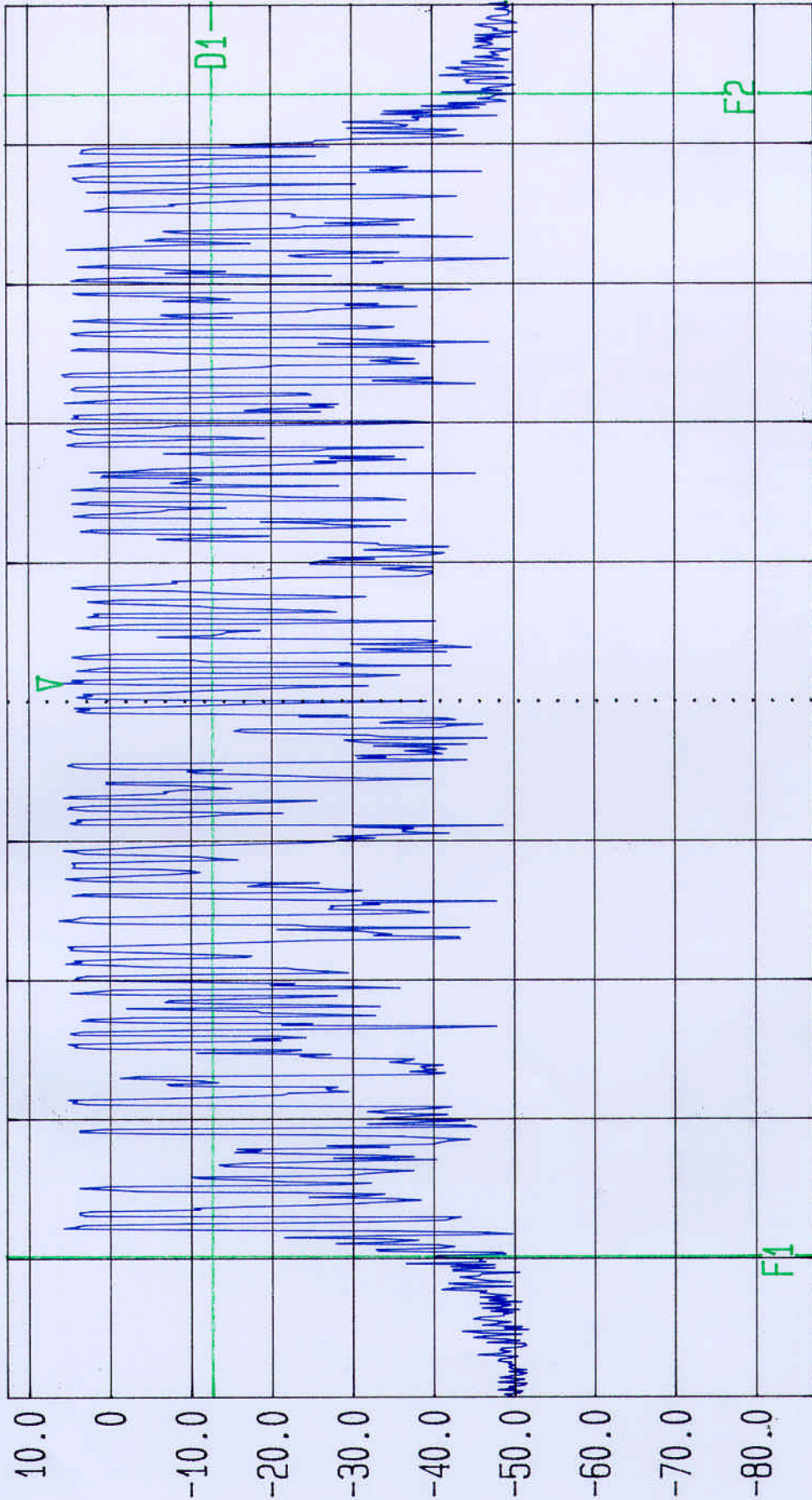
Res.Bw 100.0 kHz [3dB]

CF.Stp 10.000 MHz

RF.Att 20 dB

Unit [dBm]

Vid.Bw 100 kHz



Start 2.39 GHz

Stop 2.49 GHz

Center 2.44 GHz

Span 100 MHz

Sweep 40 ms

GPH: 41715/04/04/009

EUT: 3000AS

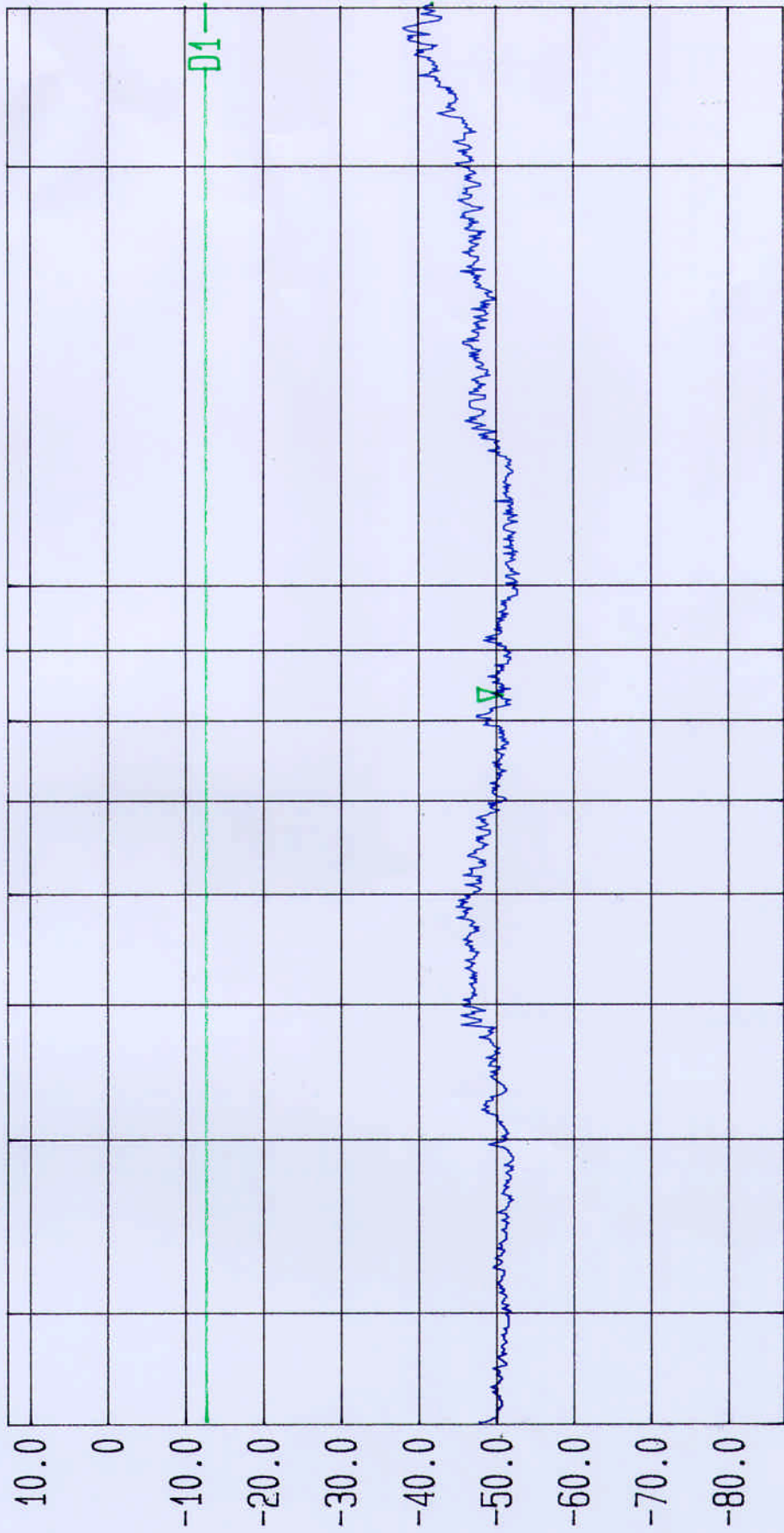
Opcond: Hopping All Frequencies

ENG: PG

Tested by RFI for RED M.

Spec: FCC Part 15.247 (c)

LVLOFF
Date 05.Dec.'00 Time 16:42:52
Ref.Lvl 12.70 dBm Marker -50.88 dBm
Res.Bw 100.0 kHz [3dB] CF.Stp 2.351 GHz RF.Att 20 dB
Vid.Bw 100 kHz [dBm]



Start 2.49 GHz Stop 26 GHz
Span 23.51 GHz Sweep 7.2 s
Center 8.046 GHz
EUT: 3000AS
Opcond: Hopping All Frequencies
GPH: 41715/04/04/010
ENG: PG

Tested by RFI for RED M.
Spec: FCC Part 15.247 (c)