

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 1d)

This appendix contains the following graphs:

Graph Reference Number	Title
GPH41715ETF04\027	Radiated Emissions, Receive Mode, (30 MHz to 1 GHz) Section 15.109
GPH41715ETF04\028	Conducted Emissions, Neutral Line, Transmit all frequencies, (450 kHz to 30 MHz) Section 15.109
GPH41715ETF04\029	Conducted Emissions, Live Line, Transmit all frequencies, (450 kHz to 30 MHz) Section 15.109
GPH41715ETF04\030	Transmit Bottom Channel, (2.39 GHz to 2.41 GHz) Section 15.247 (c)

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

Graphical Test Results

S.No. RFI/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

This page has been left intentionally blank.



Date 06.Dec.'00 Time 17:01:46

Ref.Lvl

66.00 dBμV

Marker

61.43 dBμV

43.7 MHz

Res.Bw

TG.Lvl

CF.Stp

120 kHz [imp]

Off

97.000 MHz

Vid.Bw

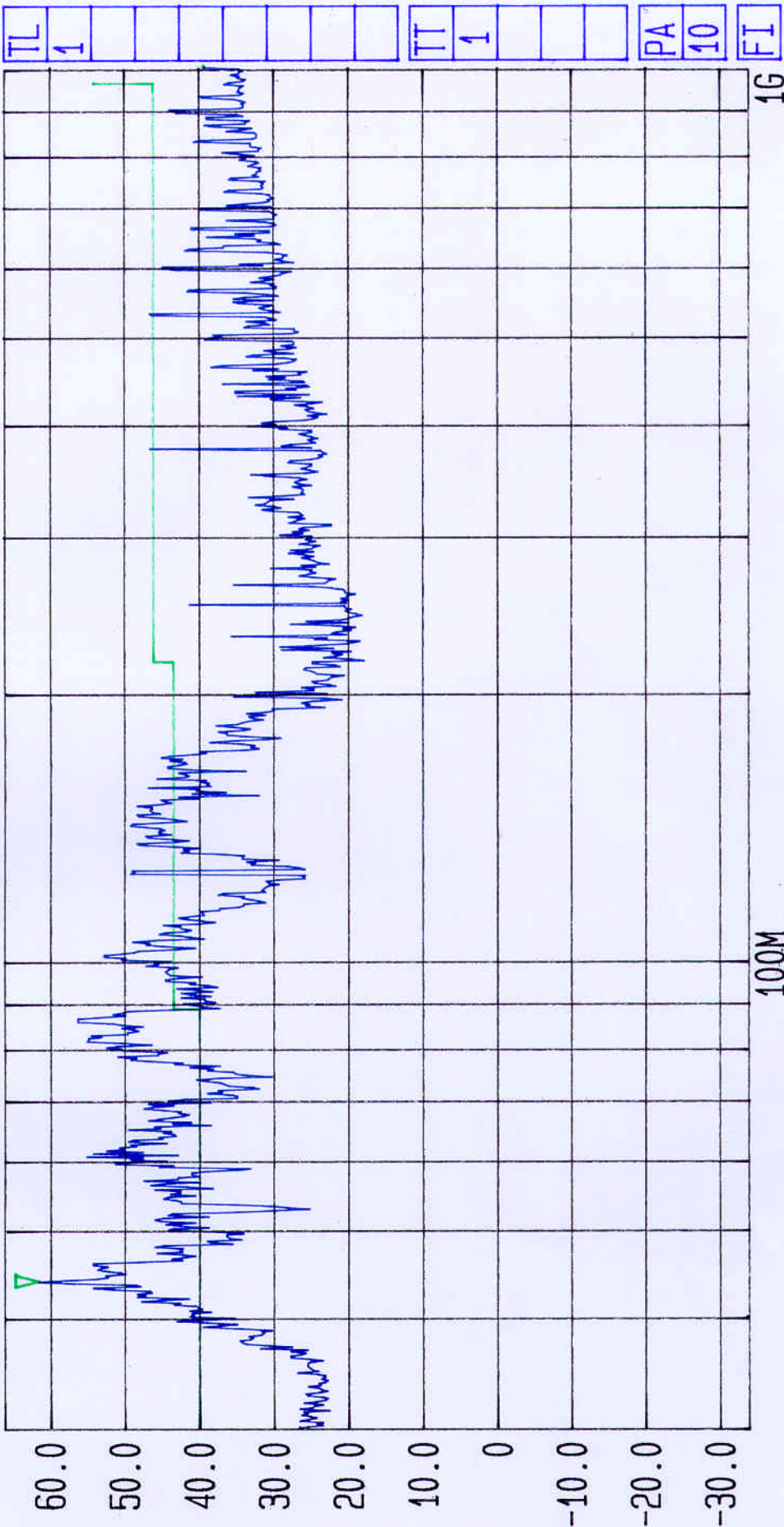
RF.Att

Unit

3 MHz

0 dB

[dBμV]



Start

30 MHz

Span

970 MHz

Center

173.2 MHz

Sweep

80 ms

Stop

1 GHz

Tested by RFI for RED M.

Spec: FCC Part 15.109

EUT: 3000AS

Opcond: Tx Hopping All Channels

Rx Mode.

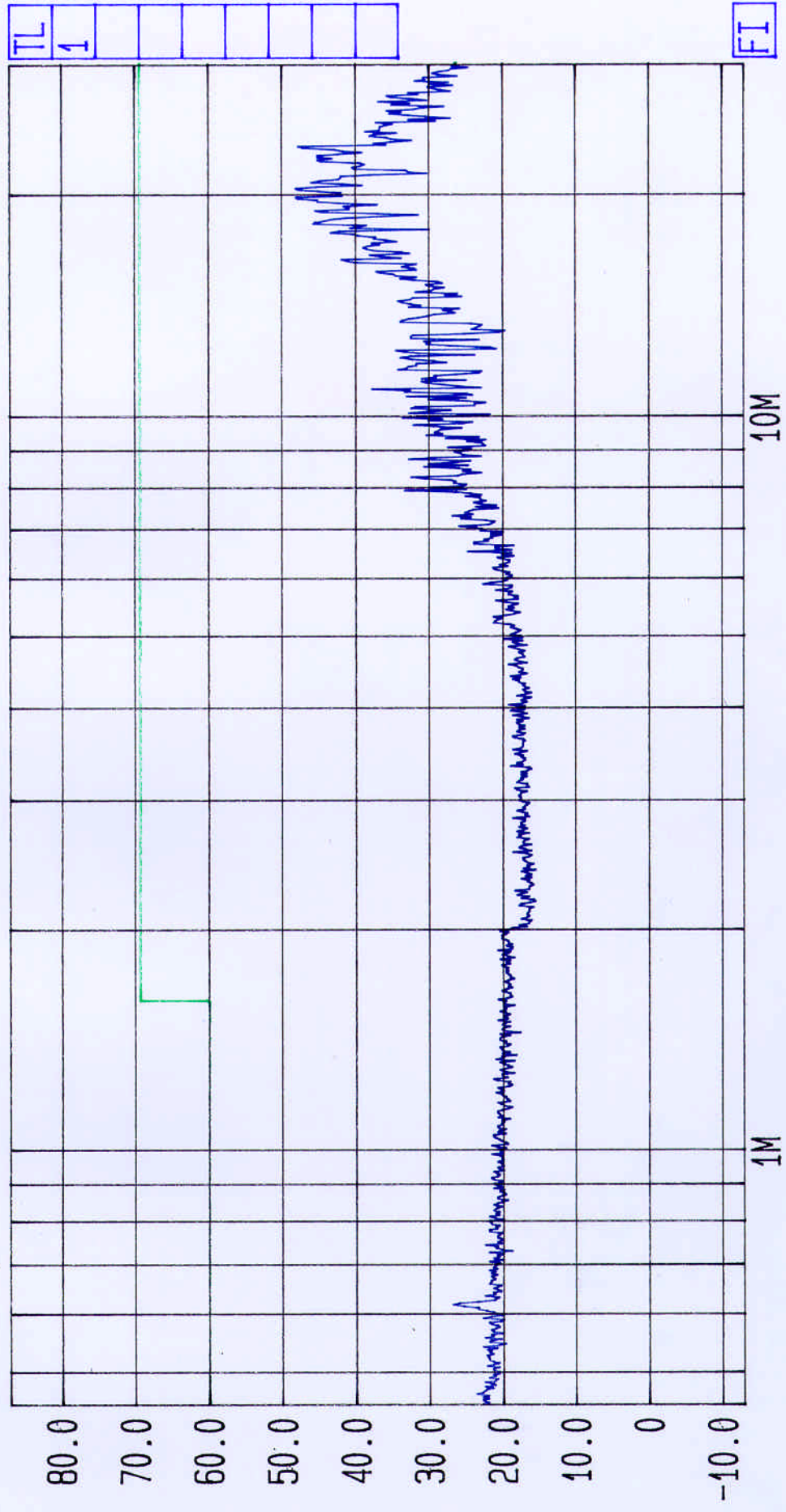
GPH: 41715/04/04/027

ENG: PG



Date 07.Dec.'00 Time 15:02:24
Ref.Lvl 87.00 dBμV

Res.Bw 9 kHz [imp] off
TG.Lvl 2.955 MHz
CF.Stp 10 dB
Vid.Bw 100 kHz
RF.Att [dBμV]



Start 450 kHz Stop 30 MHz
Span 29.55 MHz Sweep 2.2 s
Center 3.67423 MHz
EUT: 3000AS
Opcond: TX All Frequencies
Tested by RFI for RED M. GPH: 41715/04/04/028
Spec: FCC Part 15.109 ENG: PG



Date 07.Dec.'00 Time 15:12:12

Ref.Lvl
87.00 dBuV

Marker

45.89 dBuV

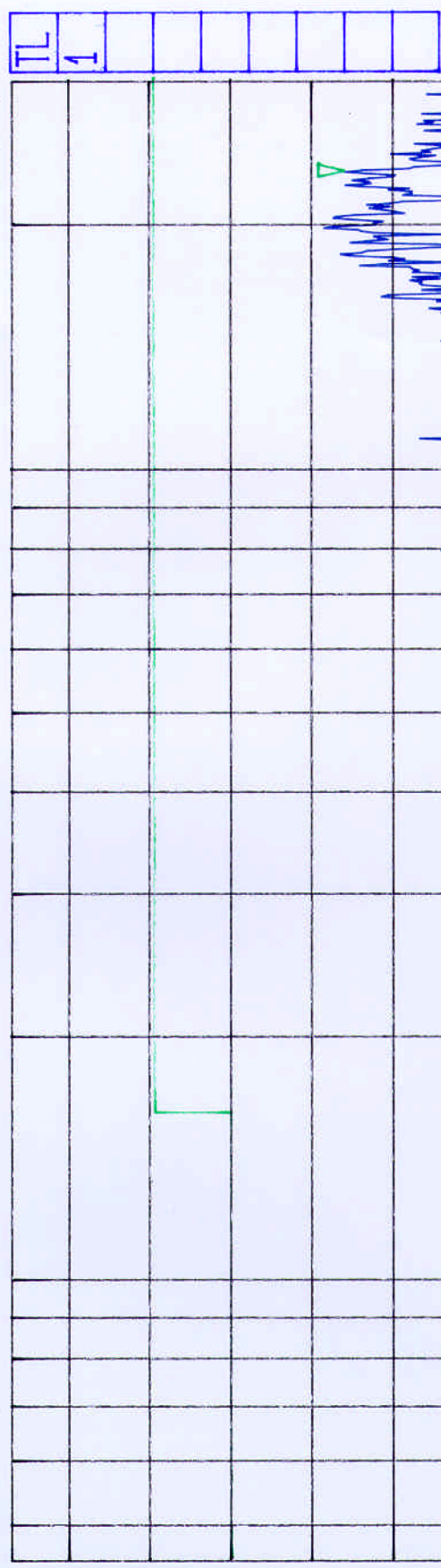
23.10 MHz

Res.Bw
TG.Lvl
CF.Stp

9 kHz [imp]
off
2.955 MHz

Vid.Bw
RF.Att
Unit

100 kHz
10 dB
[dBuV]



FI

Start 450 kHz Stop 30 MHz
Span 29.55 MHz Sweep 2.2 s
Center 3.67423 MHz
EUT: 3000AS
Opcond: TX All frequencies
GPH: 41715/04/04/029
ENG: PG

Tested by RFI for RED M.
Spec: FCC Part 15.109

LVLOFF

Date 07.Dec.'00 Time 15:37:43

Ref.Lvl 10.00 dBm

Marker 6.78 dBm

2.40202 GHz

Res.Bw 1.0 MHz [3dB]

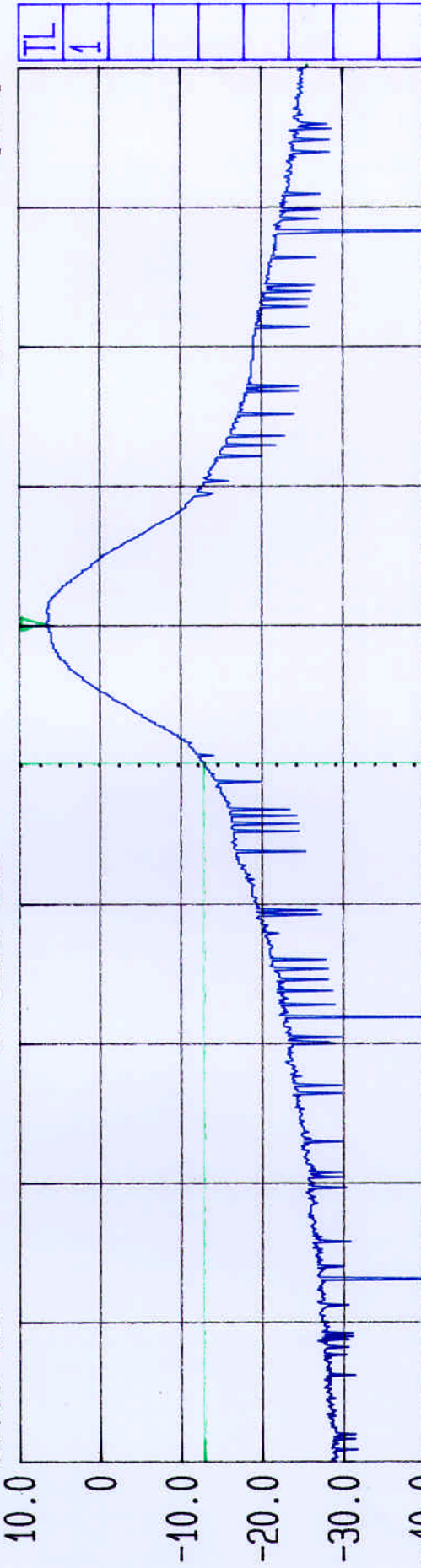
TG.Lvl off

CF.Stp 2.000 MHz

Vid.Bw 1 MHz

RF.Att 10 dB

Unit [dBm]



Start 2.39 GHz

Sweep 20 ms

Center 2.4 GHz

Stop 2.41 GHz

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

EUT: 3000AS
Opcond: TX Bottom Channel

GPH: 41715/04/04/030
ENG: PG