

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 2)

This appendix contains the following graphs:

Graph Reference Number	Title
GPH\41715ETF04\031	Transmit Top Channel, (2.4735 GHz to 2.4935 GHz) Section 15.247 (c)
GPH\41715ETF04\032	Transmit Bottom Channel, (2.431 GHz to 2.451 GHz) Section 15.247 (c)
GPH\41715ETF04\033	Hopping, Section 15.247 (a)
GPH\41715ETF04\034	Occupancy Time, Hopping all channels, Section 15.247 (a)
GPH\41715ETF04\035	Occupancy Time, Hopping all channels, Section 15.247 (a)
GPH\41715ETF04\036	Occupancy Time, Hopping all channels, Section 15.247 (a)
GPH\41715ETF04\037	Enquiry Mode, Section 15.247 (a)
GPH\41715ETF04\038	Occupancy Time, Enquiry Mode, Section 15.247 (a)
GPH\41715ETF04\039	Occupancy Time, Enquiry Mode, Section 15.247 (a)
GPH\41715ETF04\040	Occupancy Time, Enquiry Mode, Section 15.247 (a)

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

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LVLOFF



Date 07.Dec.'00 Time 15:43:26

Ref.Lvl 10.00 dBm

Marker 6.83 dBm

2.48023 GHz

Res.Bw

TG.Lvl

CF.Stp

1.0 MHz [3dB]

off

2.000 MHz

Vid.Bw

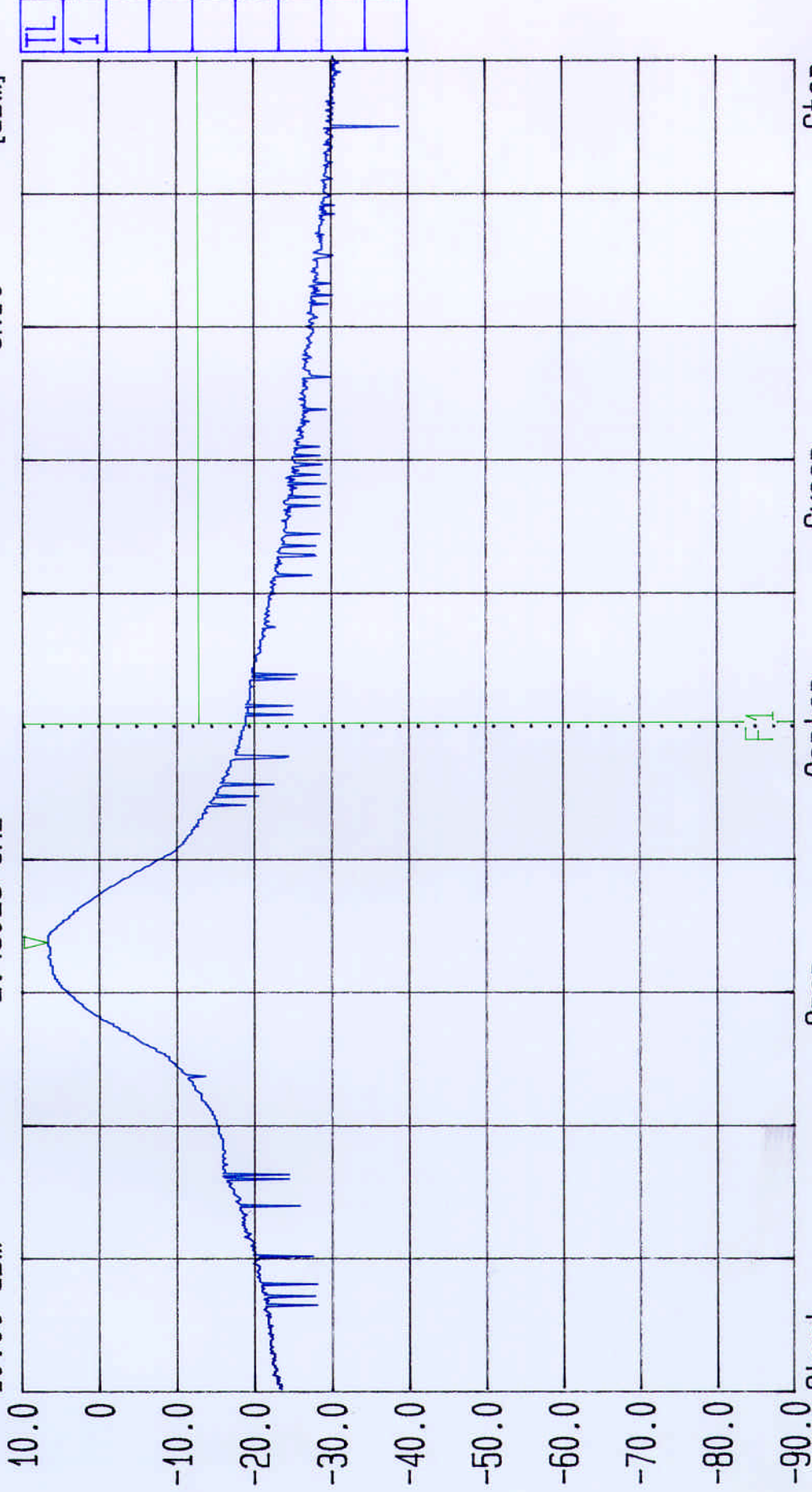
RF.Att

Unit

1 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: TX Top Channel

GPH: 41715/04/04/031

ENG: PG

LVLOFF



Date 07.Dec.'00 Time 15:48:25

Ref.Lvl 10.00 dBm

Marker 7.64 dBm

2.44102 GHz

Res.Bw

TG.Lvl

CF.Stp

1.0 MHz [3dB]

off

2.000 MHz

Vid.Bw

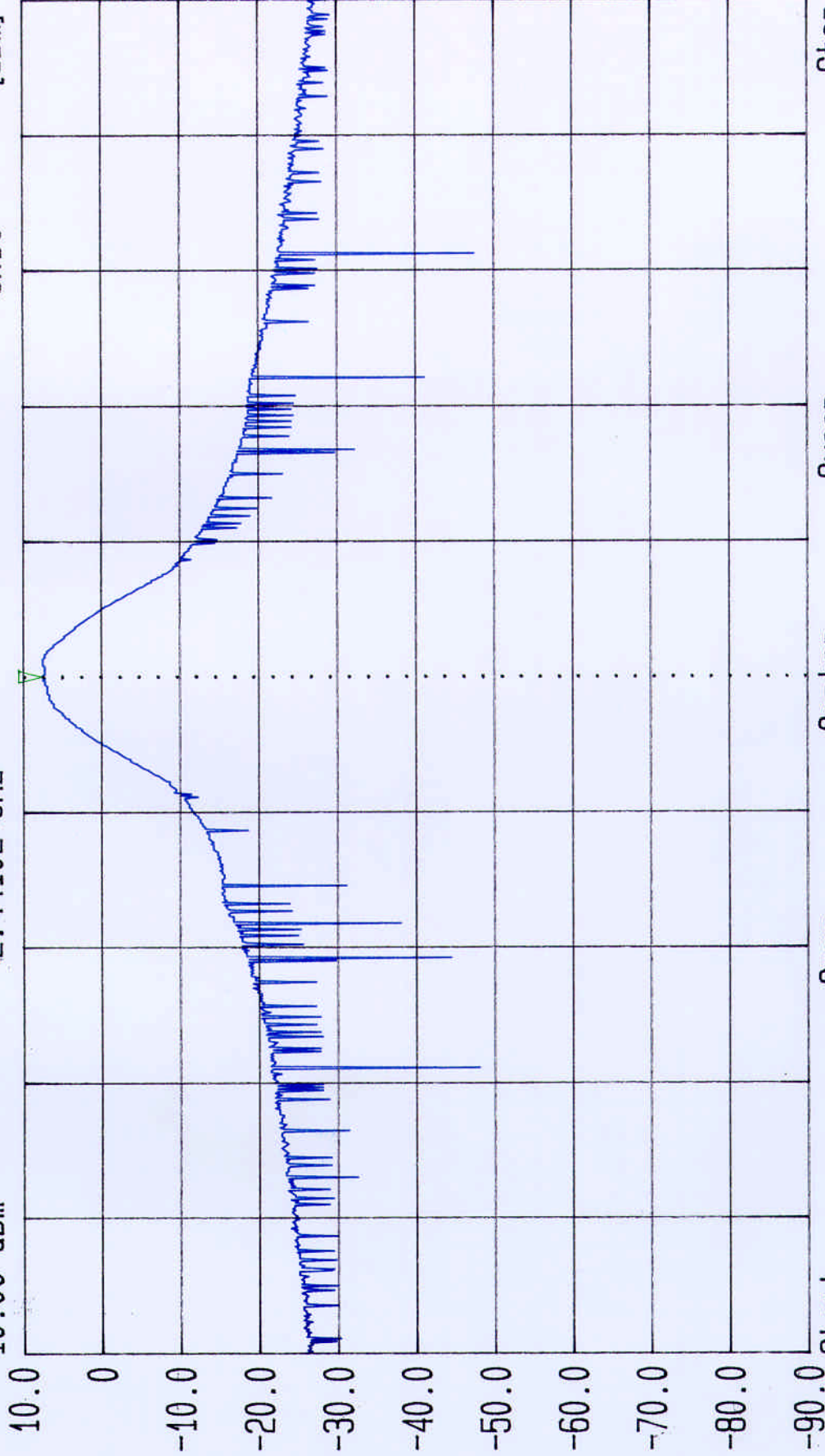
RF.Att

Unit

1 MHz

10 dB

[dBm]



Start

2.431 GHz

Span

20 MHz

Center

2.441 GHz

Sweep

20 ms

Stop

2.451 GHz

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

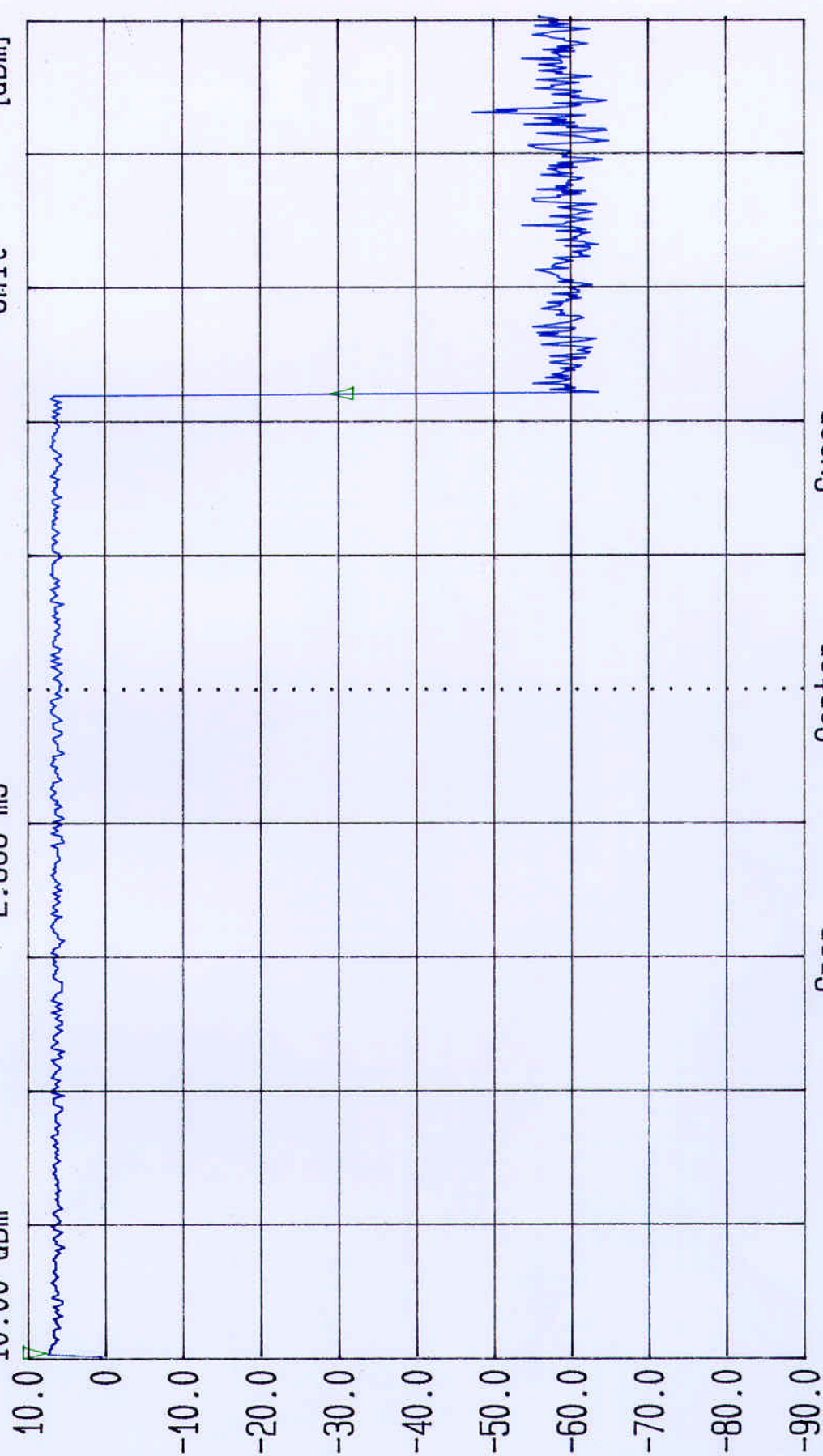
EUT: 3000AS

Opcond: TX Bottom Channel

GPH: 41715/04/04/032

ENG: PG

LVLOFF TRG
Date 07.Dec.'00 Time 16:10:26
Ref.Lvl Delta
10.00 dBm -36.39 dB
2.866 ms
1.0 MHz [3dB] off
100.000 kHz
RF:Att Unit
10 dB [dBm]



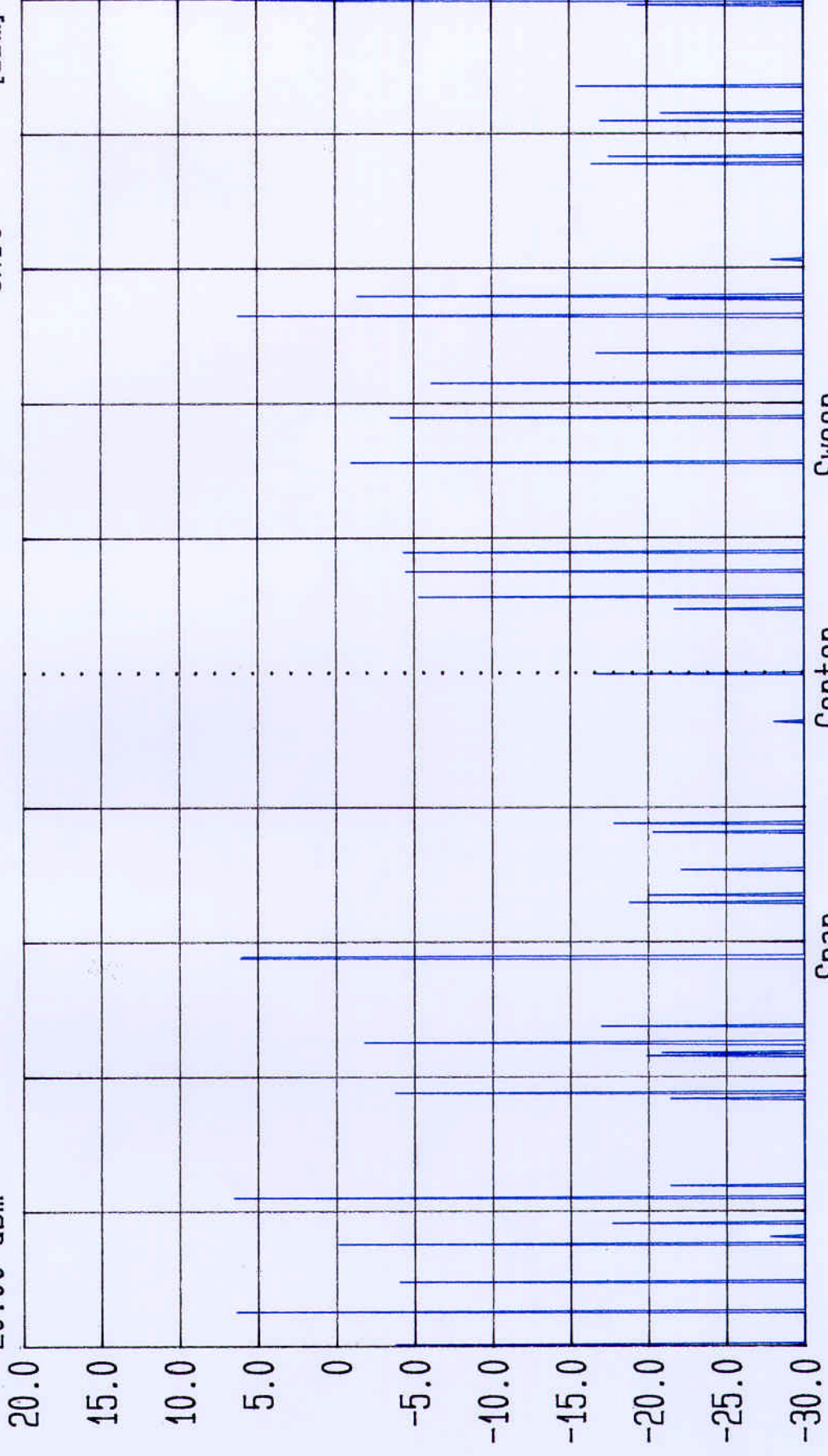
Span 0 Hz
Center 2.441 GHz
Sweep 4 ms

Tested by RFI for RED M.
Spec: FCC Part 15.247 (a)
EUT: 3000AS
Opcond: Hopping Max Packet Length
GPH: 41715/04/04/033
ENG: PG



LVLOFF
Date 07.Dec.'00 Time 16:17:50
Ref.Lvl
20.00 dBm

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



Span
0 Hz
Center
2.441 GHz
Sweep
30 s

Tested by RFI for RED M.
Spec: FCC Part 15.247(a) Opcond: Hopping All Channels
EUT: 3000AS
GPH: 41715/04/04/034
Occupancy Time
ENG: PG



LVLOFF

Date 07.Dec.'00 Time 16:22:15

Ref.Lvl

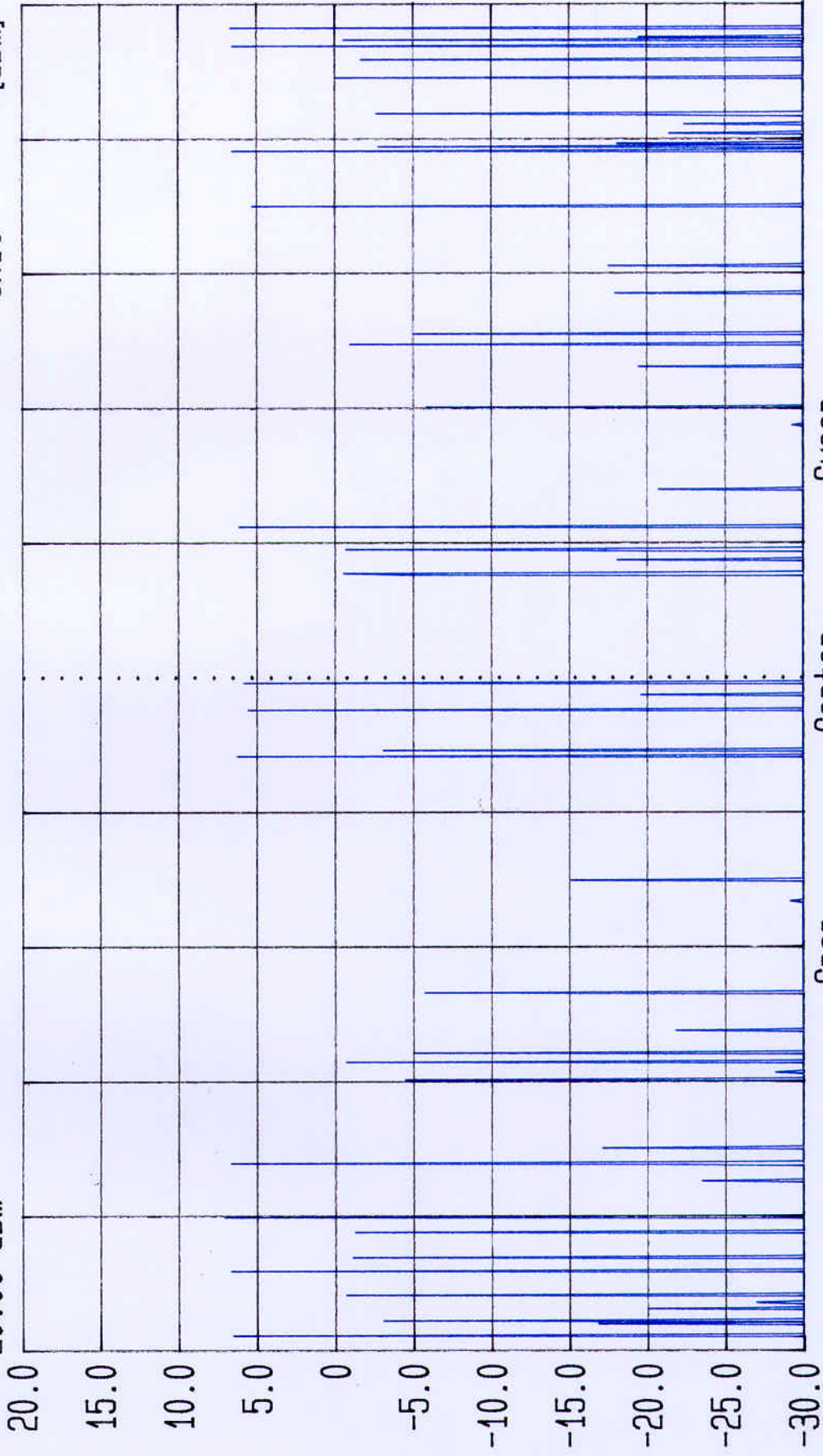
20.00 dBm

Res.Bw
TG.Lvl
CF.Stp

1.0 MHz [3dB]
off
100.000 kHz

Vid.Bw
RF.Att
Unit

1 MHz
10 dB
[dBm]



Tested by RFI for RED M.

Spec: FCC Part 15.247(a) Opcond: Hopping All Channels

EUT: 3000AS

Occupancy Time

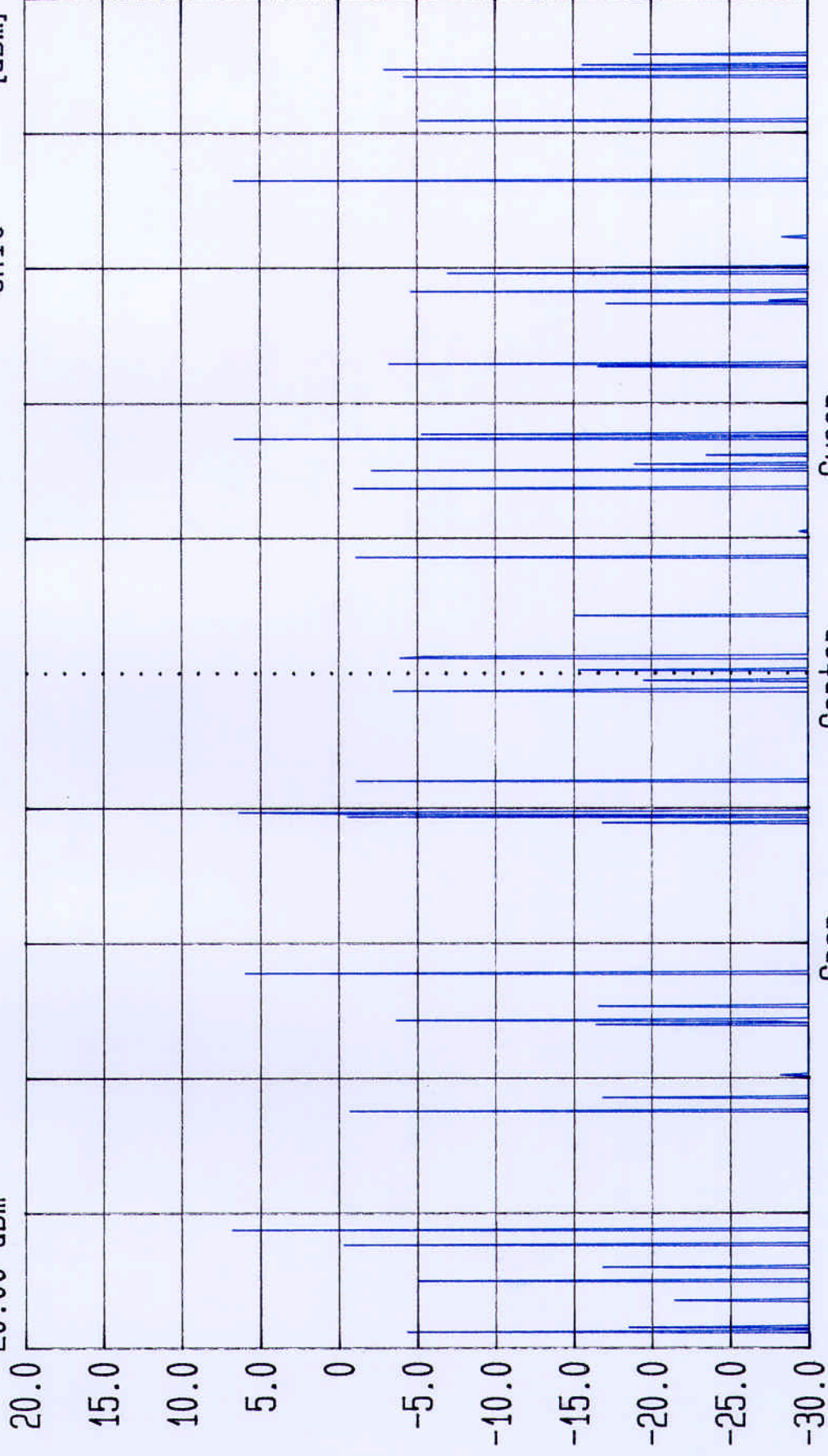
GPH: 41715/04/04/035

ENG: PG



LVLOFF
Date 07.Dec.'00 Time 16:26:51
Ref.Lvl 20.00 dBm

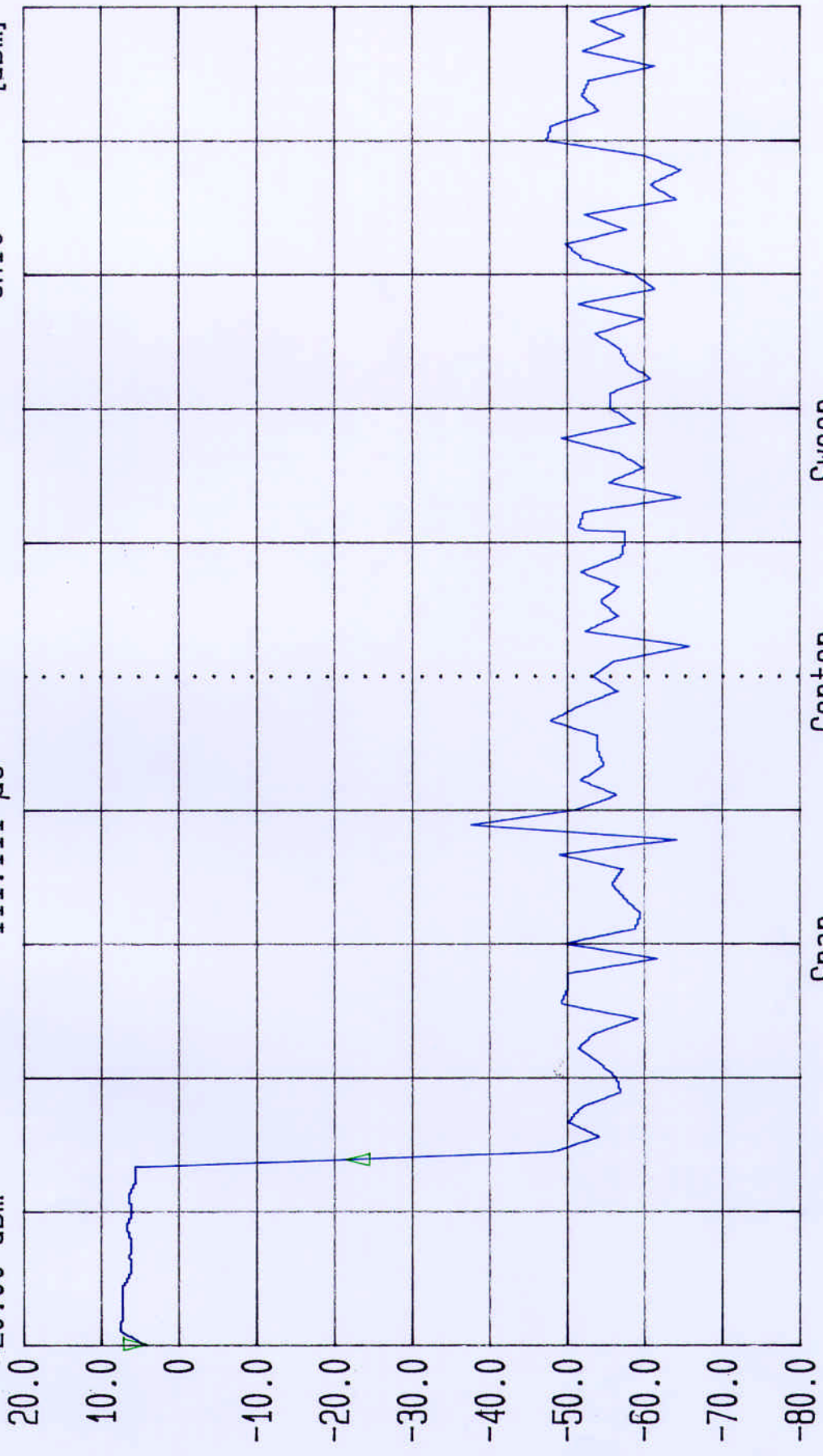
Res.Bw 1.0 MHz [3dB]
TG.Lvl off
CF.Stp 100.000 kHz
Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBm]



Tested by RFI for RED M.
Spec: FCC Part 15.247 (a) Opcond: Hopping All Channels
EUT: 3000AS
GPH: 41715/04/04/036
Occupancy Time ENG: PG

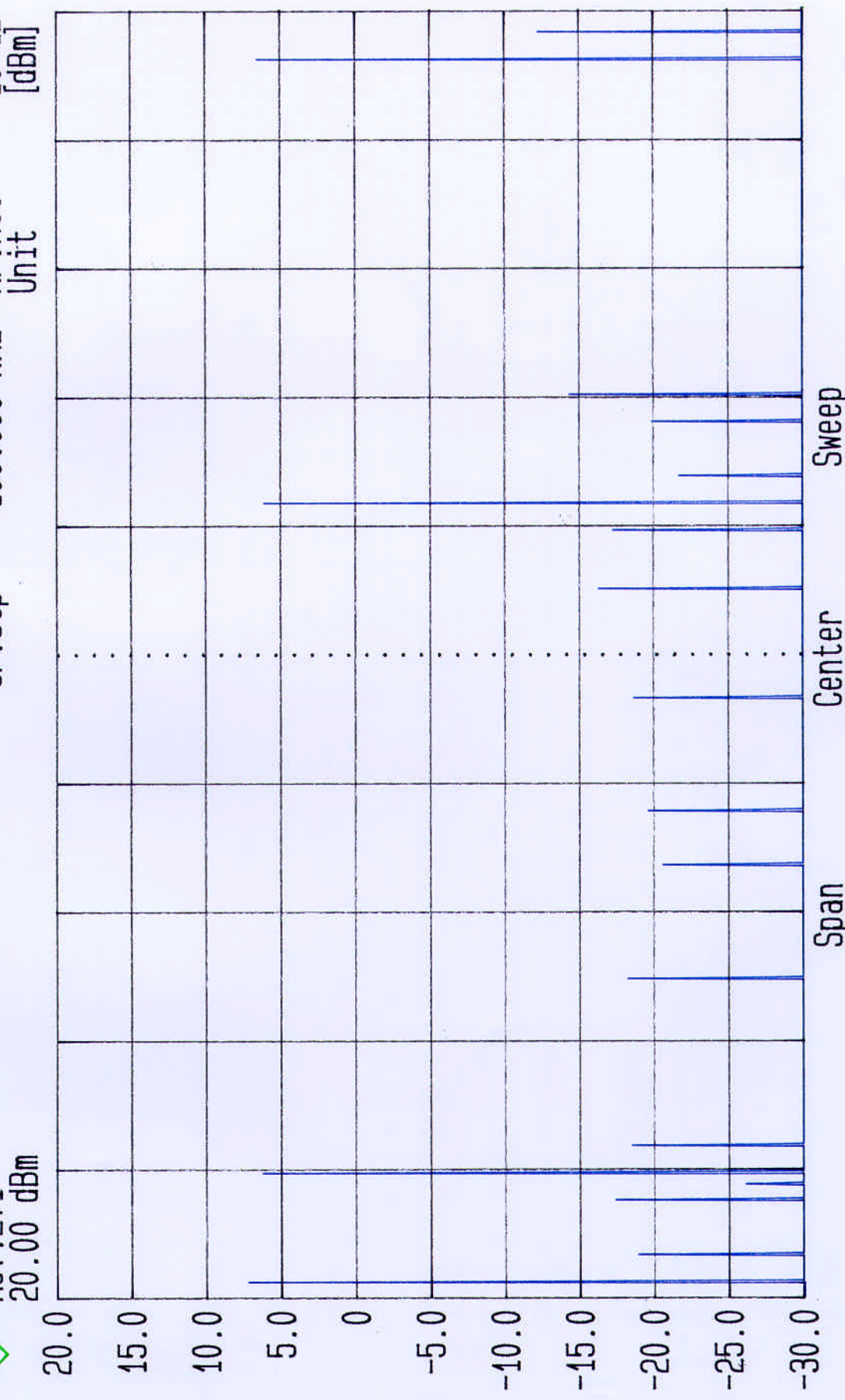


LVLOFF TRG
Date 07.Dec.'00 Time 16:37:01
Ref.Lvl Delta
20.00 dBm -25.49 dB
111.111 μ s
Res.Bw 1.0 MHz [3dB] off
TG.Lvl 100.000 kHz
CF.Stp RF.Att
Unit 10 dB [dBm]
Vid.Bw 1 MHz



Span 0 Hz Center 2.441 GHz Sweep 800 μ s
Tested by RFI for RED M. EUT: 3000AS GPH: 41715/04/04/037
Spec: FCC Part 15.247(a) Opcond: Enquirey Mode Max Packet Length ENG: PG

Res.Bw	1.0 MHz [3dB]	Vid.Bw	1 MHz
TG.Lvl	off		
CF.Stp	100.000 kHz	RF.Att	10 dB [dBm]
		Unit	



Occupancy Time
GPH: 41715/04/04/038
ENG: PG

LVLOFF



Date 07.Dec.'00 Time 16:45:46

Ref.Lvl

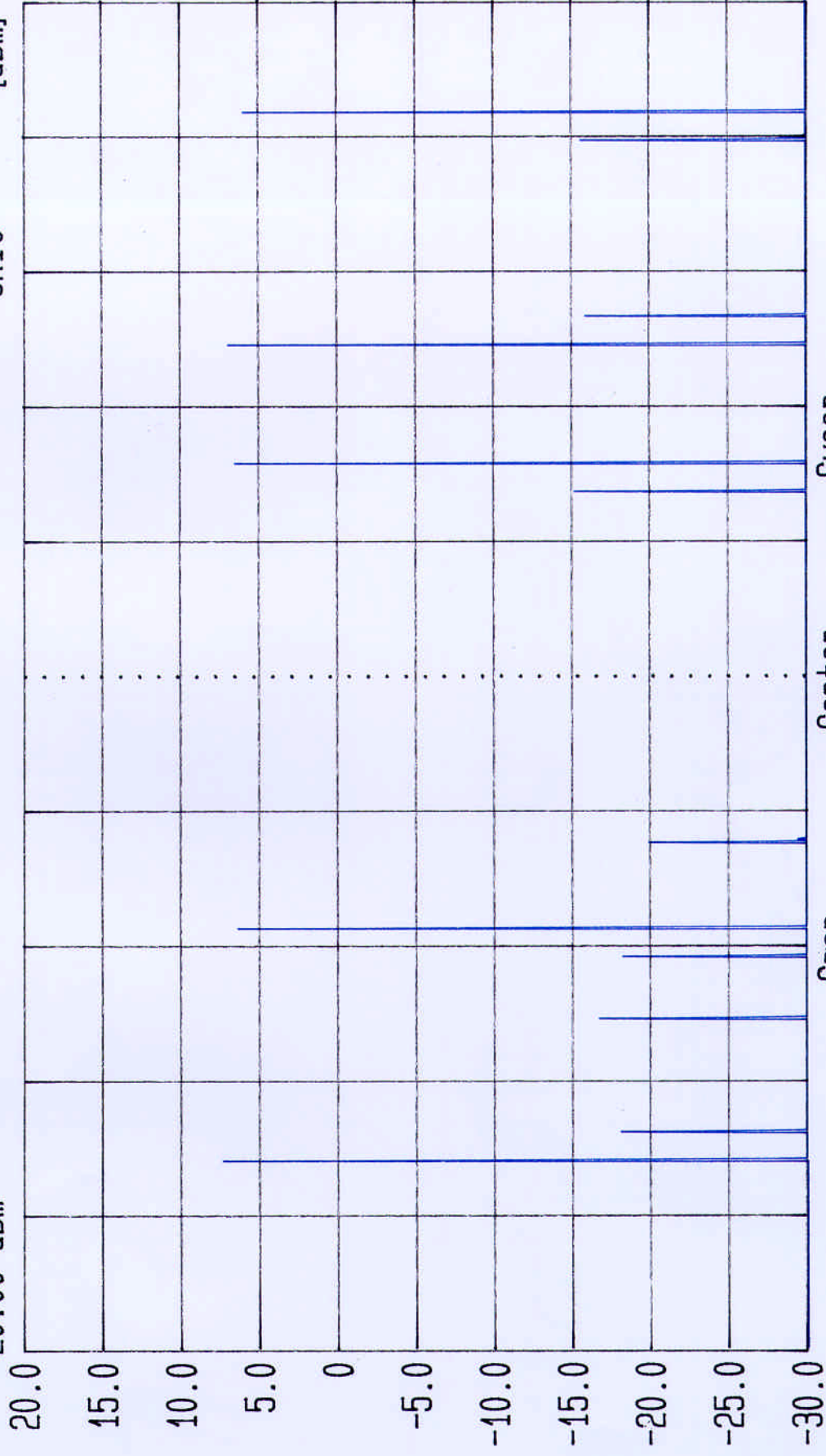
20.00 dBm

Res.Bw
TG.Lvl
CF.Stp

1.0 MHz [3dB]
Off
100.000 kHz

Vid.Bw
RF.Att
Unit

1 MHz
10 dB
[dBm]



Center 2.441 GHz
Span 0 Hz
Sweep 30 s

Tested by RFI for RED M.

Spec: FCC Part 15.247(a) Opcond: Enquirey Mode

EUT: 3000AS

Occupancy Time

GPH: 41715/04/04/039

ENG: PG

LVLOFF



Date 07.Dec.'00 Time 16:49:55

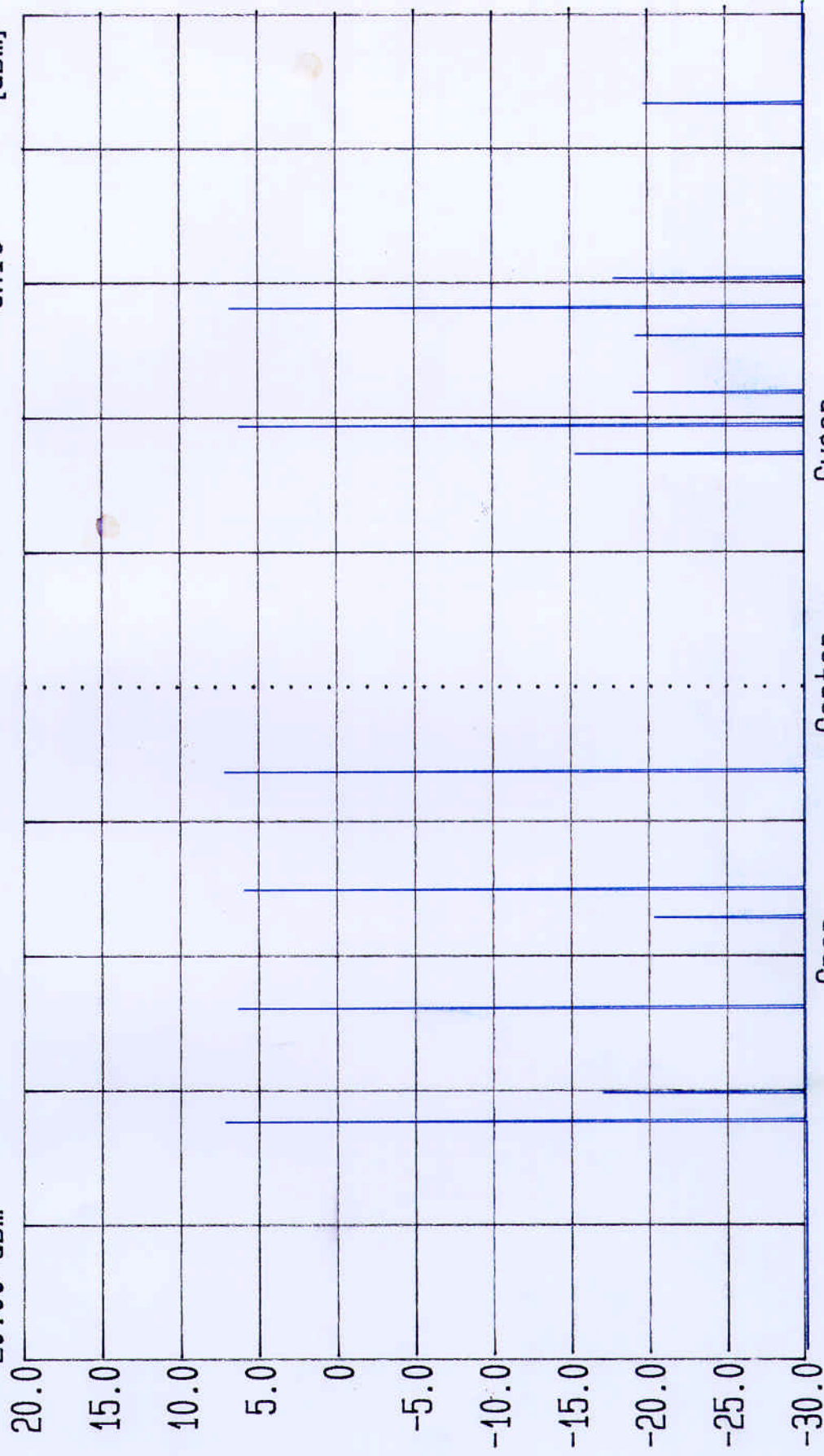
Ref.Lvl
20.00 dBm

Res.Bw
TG.Lvl
CF.Stp

1.0 MHz [3dB]
Off
100.000 kHz

Vid.Bw
RF.Att
Unit

1 MHz
10 dB
[dBm]



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

EUT: 3000AS
Enquirey Mode

Occupancy Time

GPH: 41715/04/04/040
ENG: PG