

GRAPHICAL SECTION FOR RFI TEST REPORT SERIAL NO: RFI/EMCB2/RP43324B

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point

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

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

Graphical Test Results

This appendix contains the following graphs:

Graph Reference: Radiated Emissions	Graph Reference: Radiated Emissions
GPH 43324JD01 001	GPH 43324JD01 018
GPH 43324JD01 002	GPH 43324JD01 019
GPH 43324JD01 003	GPH 43324JD01 020
GPH 43324JD01 004	GPH 43324JD01 021
GPH 43324JD01 005	GPH 43324JD01 022
GPH 43324JD01 006	GPH 43324JD01 023
GPH 43324JD01 007	GPH 43324JD01 024
GPH 43324JD01 008	GPH 43324JD01 025
GPH 43324JD01 009	GPH 43324JD01 026
GPH 43324JD01 010	GPH 43324JD01 027
GPH 43324JD01 011	GPH 43324JD01 028
GPH 43324JD01 012	GPH 43324JD01 029
GPH 43324JD01 013	GPH 43324JD01 030
GPH 43324JD01 014	GPH 43324JD01a 001
GPH 43324JD01 015	GPH 43324JD01a 002
GPH 43324JD01 016	GPH 43324JD01a 003
GPH 43324JD01 017	GPH 43324JD01a 004

Graph Reference: Radiated Emissions – Band Edge Compliance	Graph Reference: Radiated Emissions – Band Edge Compliance
GPH 43324JD01a 005	GPH 43324JD01a 006

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

Graphical Test Results (continued)

Graph Reference: Radiated Emissions – Band Edge Compliance	Graph Reference: Radiated Emissions Pre Scans
GPH 43324JD01a 007	GPH 43324JD01b 002
GPH 43324JD01a 008	GPH 43324JD01b 003
GPH 43324JD01a 009	GPH 43324JD01b 004
GPH 43324JD01a 010	GPH 43324JD01b 005
GPH 43324JD01a 011	GPH 43324JD01b 006
GPH 43324JD01a 012	GPH 43324JD01b 007
GPH 43324JD01a 013	GPH 43324JD01b 008
GPH 43324JD01a 014	GPH 43324JD01b 009
GPH 43324JD01a 015	GPH 43324JD01b 010
GPH 43324JD01a 016	GPH 43324JD01b 011
GPH 43324JD01a 017	GPH 43324JD01b 012
GPH 43324JD01b 001	GPH 43324JD01b 013

Graph Reference: Conducted Emissions	Graph Reference: Radiated Emissions Pre Scans
GPH JD01a 001	GPH JD01a 006
GPH D01a 002	GPH JD01a 007
GPH JD01a 003	GPH JD01a 008
GPH JD01a 004	GPH JD01a 009
GPH JD01a 005	GPH JD01a 010
-	GPH JD01a 011
-	GPH JD01a 012
-	GPH JD01a 013
-	GPH JD01a 014
-	GPH JD01a 015

EMC Department

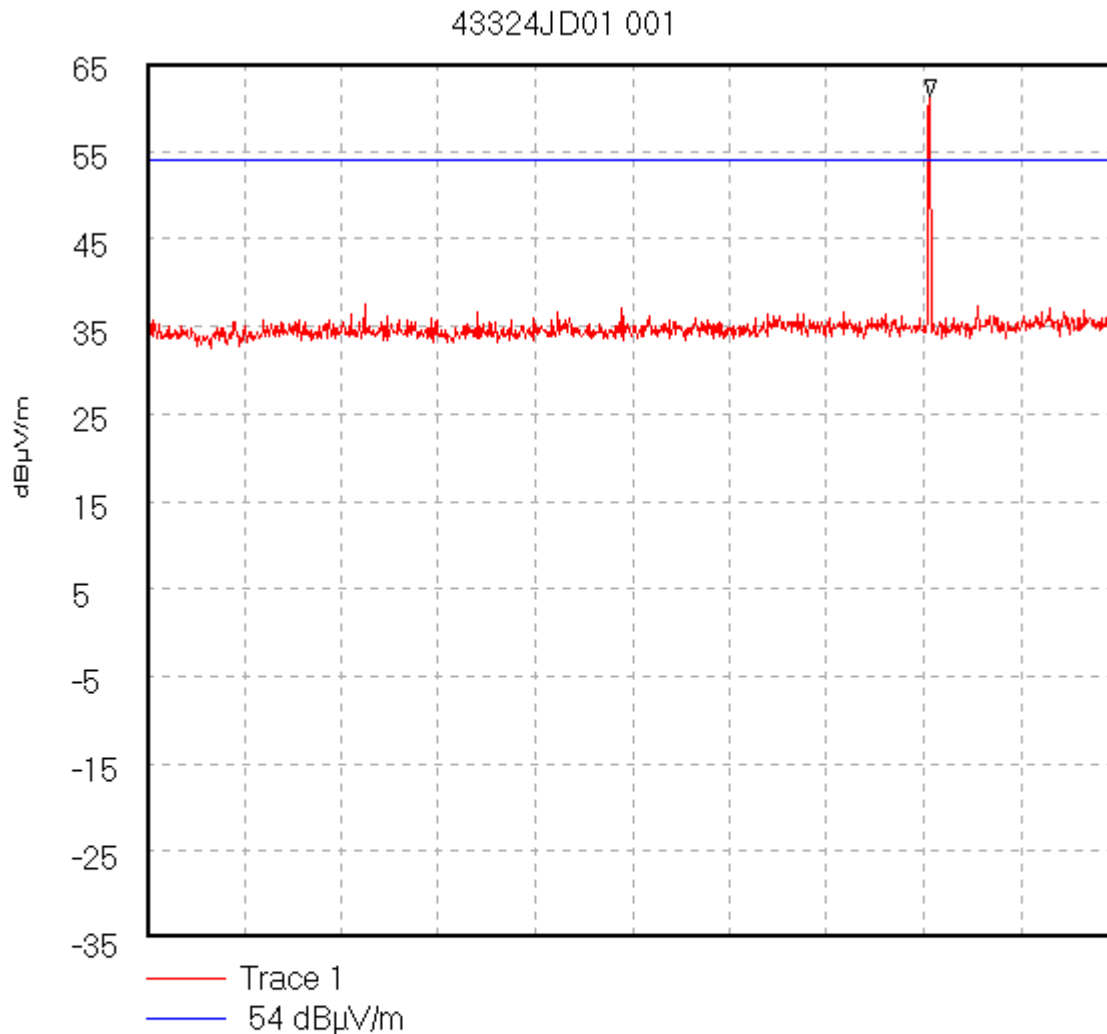
Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

Graphical Test Results (continued)

Graph Reference: Conducted Emissions	Graph Reference: Conducted Emissions
GPH 43324 CE001	GPH 43324 CE010
GPH 43324 CE002	GPH 43324 CE011
GPH 43324 CE003	GPH 43324 CE012
GPH 43324 CE004	GPH 43324 CE013
GPH 43324 CE005	GPH 43324 CE014
GPH 43324 CE006	GPH 43324 CE015
GPH 43324 CE007	GPH 43324 CE016
GPH 43324 CE008	GPH 43324 CE017
GPH 43324 CE009	GPH 43324 CE018

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\001Radiated Spurious Emissions. (Bottom Channel, Transmit Mode)

Start 4.0 GHz; Stop 5.0 GHz

Ref 65 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 4.807 GHz, 61.17 dBµV/m

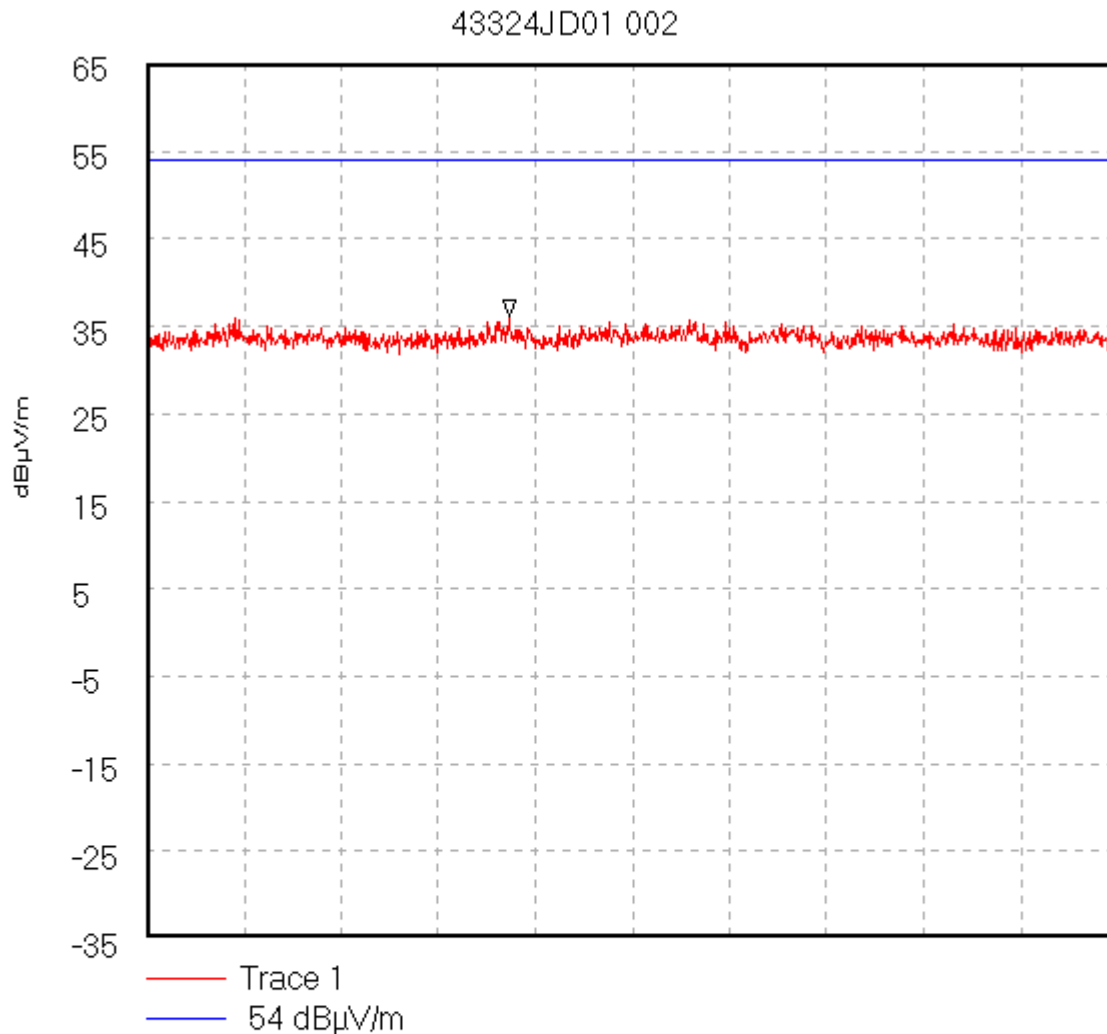
Display Line: 54 dBµV/m; ; Limit Test Failed

Transducer Factors: 4_to_6G

27/03/02 13:24:18

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\002Radiated Spurious Emissions. (Bottom Channel, Transmit Mode)

Start 5.0 GHz; Stop 6.0 GHz

Ref 65 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 5.373 GHz, 36.03 dBµV/m

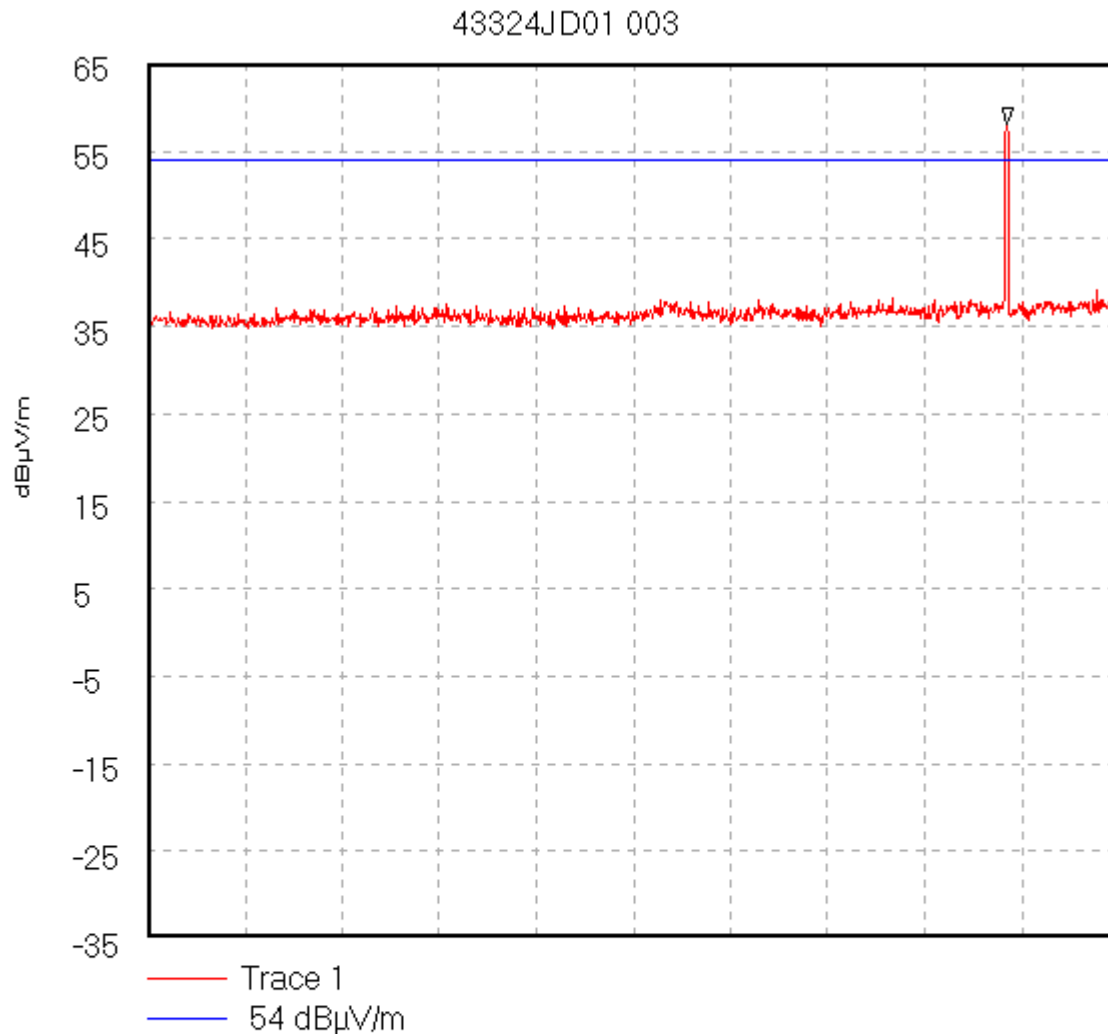
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 13:25:18

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\003Radiated Spurious Emissions. (Middle Channel, Transmit Mode)

Start 4.0 GHz; Stop 5.0 GHz

Ref 65 dB μ V/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

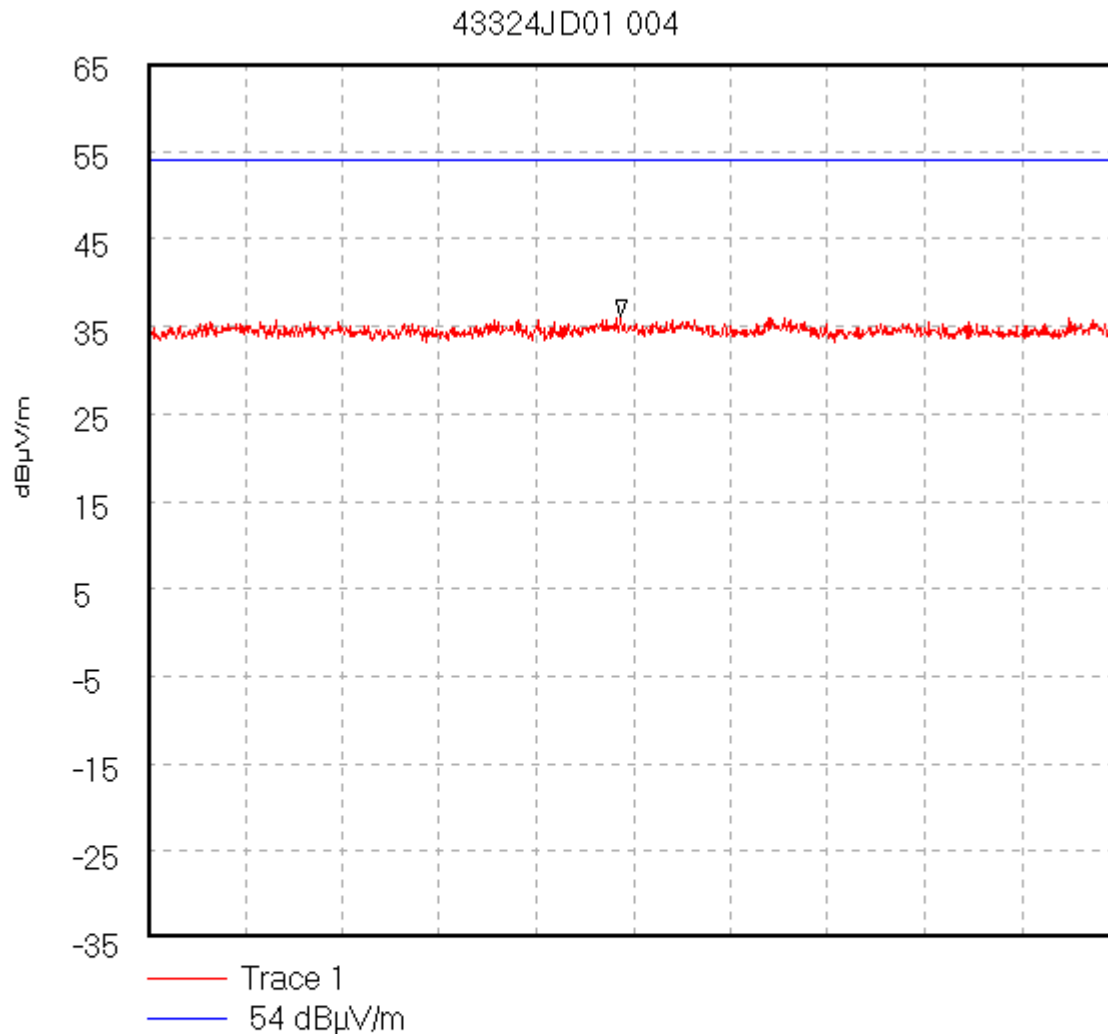
Peak 4.886 GHz, 58.02 dB μ V/mDisplay Line: 54 dB μ V/m; ; Limit Test Failed

Transducer Factors: 4_to_6G

27/03/02 13:31:15

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\004Radiated Spurious Emissions. (Middle Channel, Transmit Mode)

Start 5.0 GHz; Stop 6.0 GHz

Ref 65 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 5.488 GHz, 36.06 dBµV/m

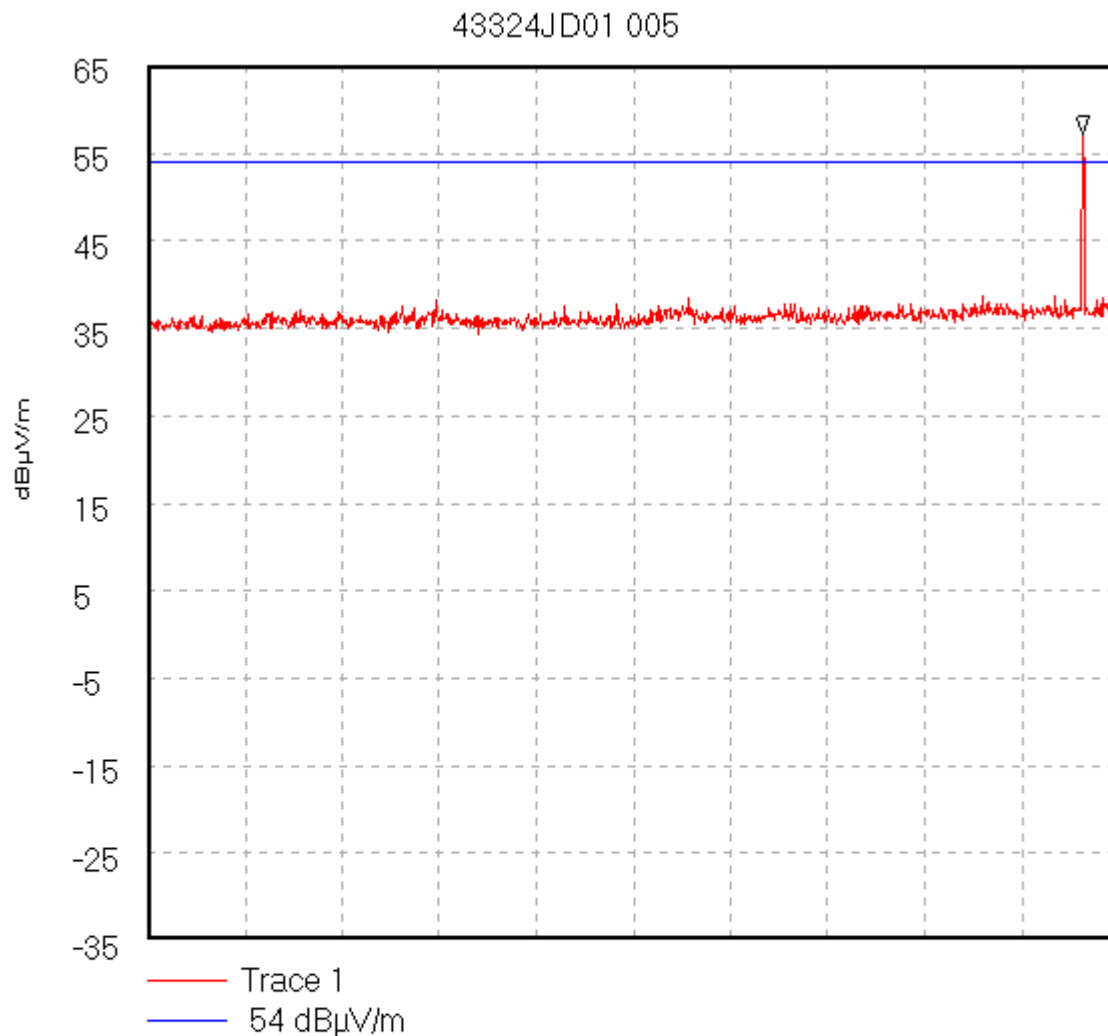
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 13:33:26

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\005Radiated Spurious Emissions. (Top Channel, Transmit Mode)

Start 4.0 GHz; Stop 5.0 GHz

Ref 65 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 4.964 GHz, 57.26 dBµV/m

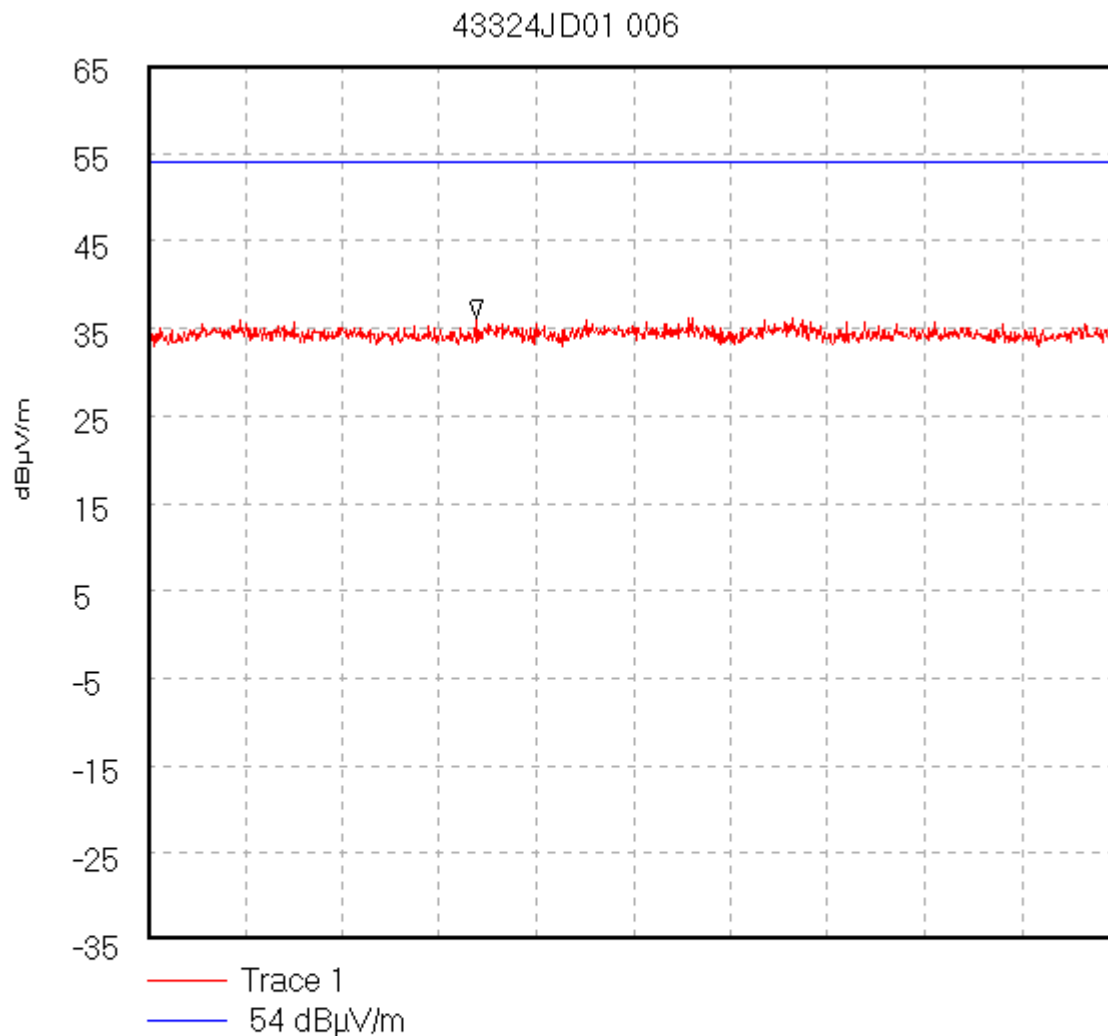
Display Line: 54 dBµV/m; ; Limit Test Failed

Transducer Factors: 4_to_6G

27/03/02 13:36:38

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\006Radiated Spurious Emissions. (Top Channel, Transmit Mode)

Start 5.0 GHz; Stop 6.0 GHz

Ref 65 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 5.339 GHz, 36.16 dBµV/m

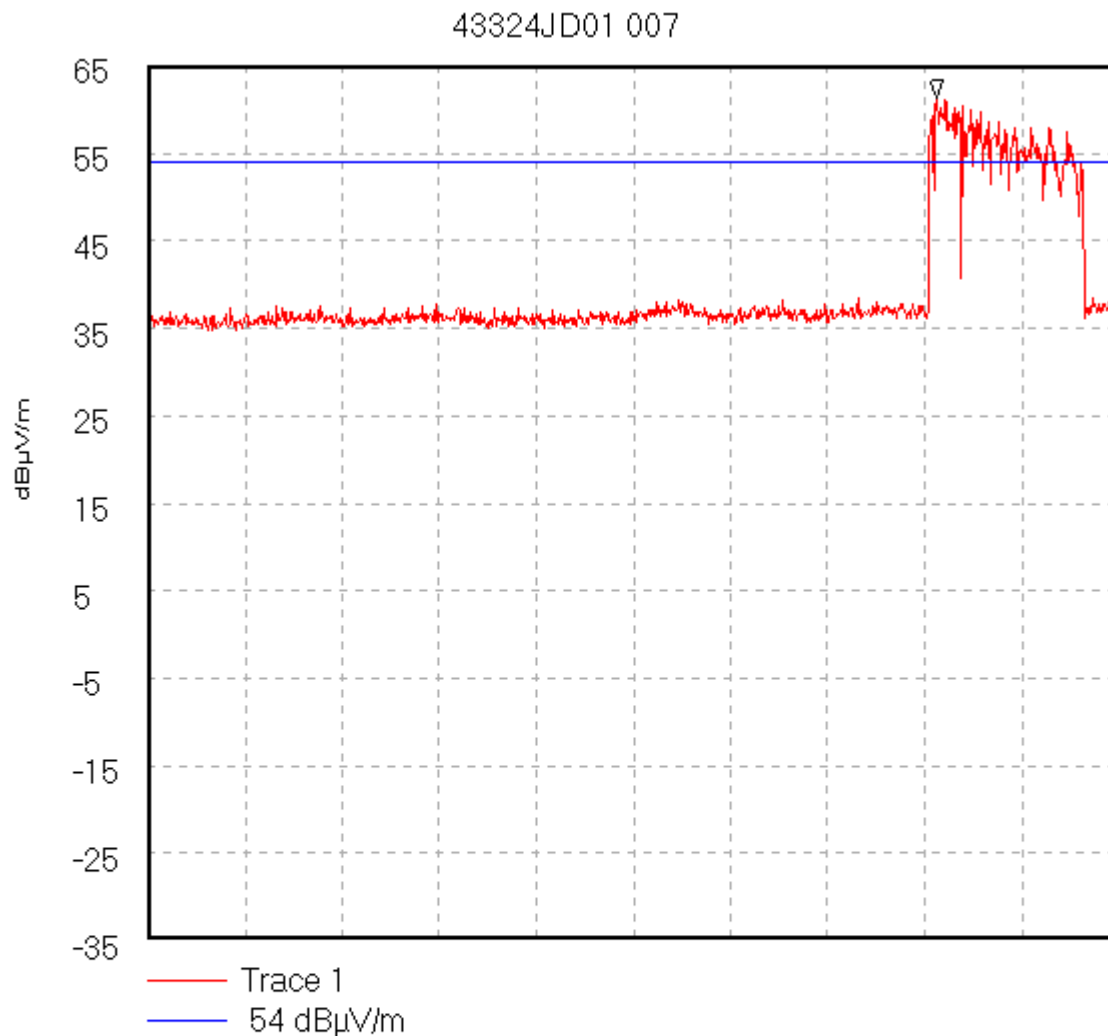
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 13:38:02

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\007Radiated Spurious Emissions. (Hopping Mode, Transmit Mode)

Start 4.0 GHz; Stop 5.0 GHz

Ref 65 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 4.813 GHz, 61.32 dBµV/m

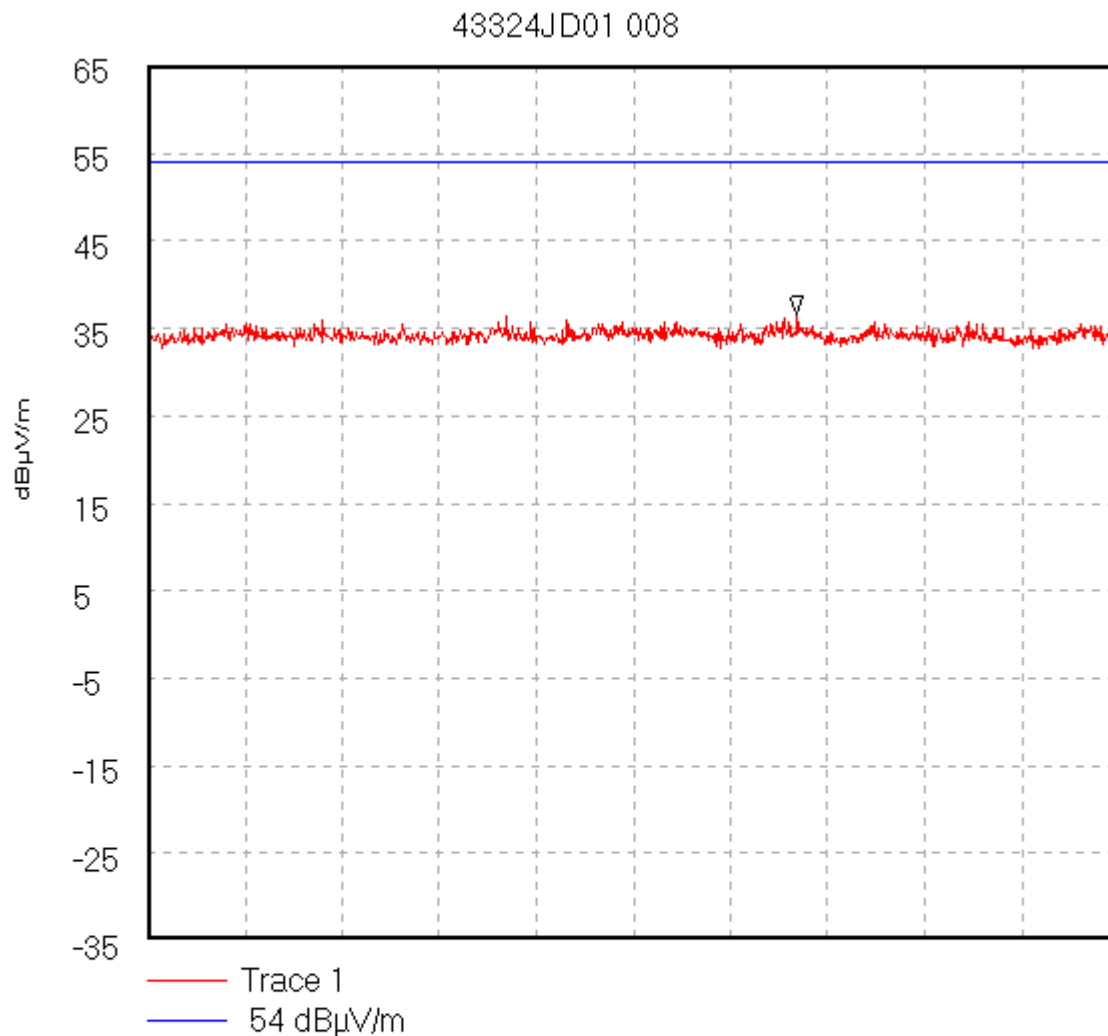
Display Line: 54 dBµV/m; ; Limit Test Failed

Transducer Factors: 4_to_6G

27/03/02 13:43:05

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\008Radiated Spurious Emissions. (Hopping Mode, Transmit Mode)

Start 5.0 GHz; Stop 6.0 GHz

Ref 65 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 5.669 GHz, 36.61 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Passed

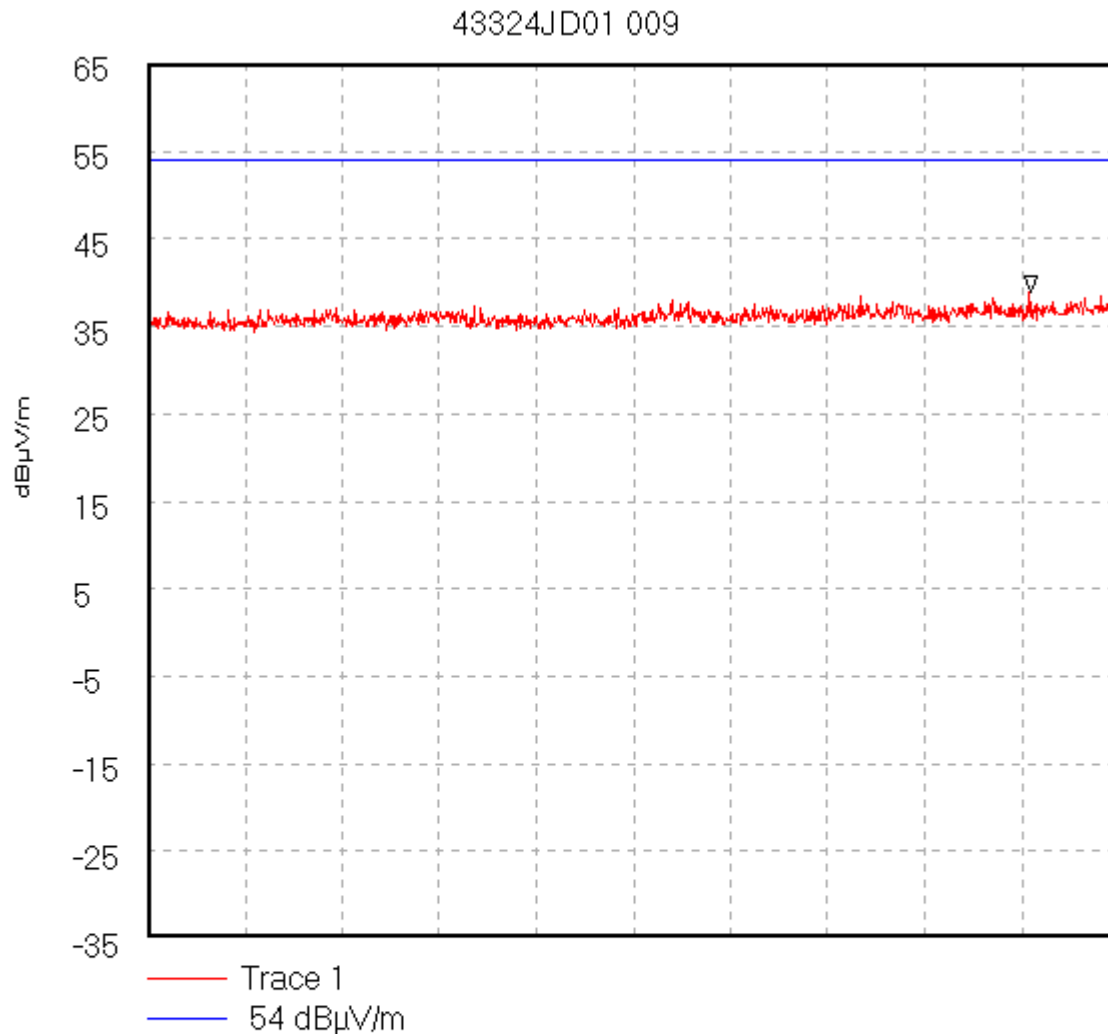
Transducer Factors: 4_to_6G

27/03/02 13:44:22

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\009
Radiated Spurious Emissions. (Receive Mode)



Start 4.0 GHz; Stop 5.0 GHz

Ref 65 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 4.909 GHz, 38.82 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Passed

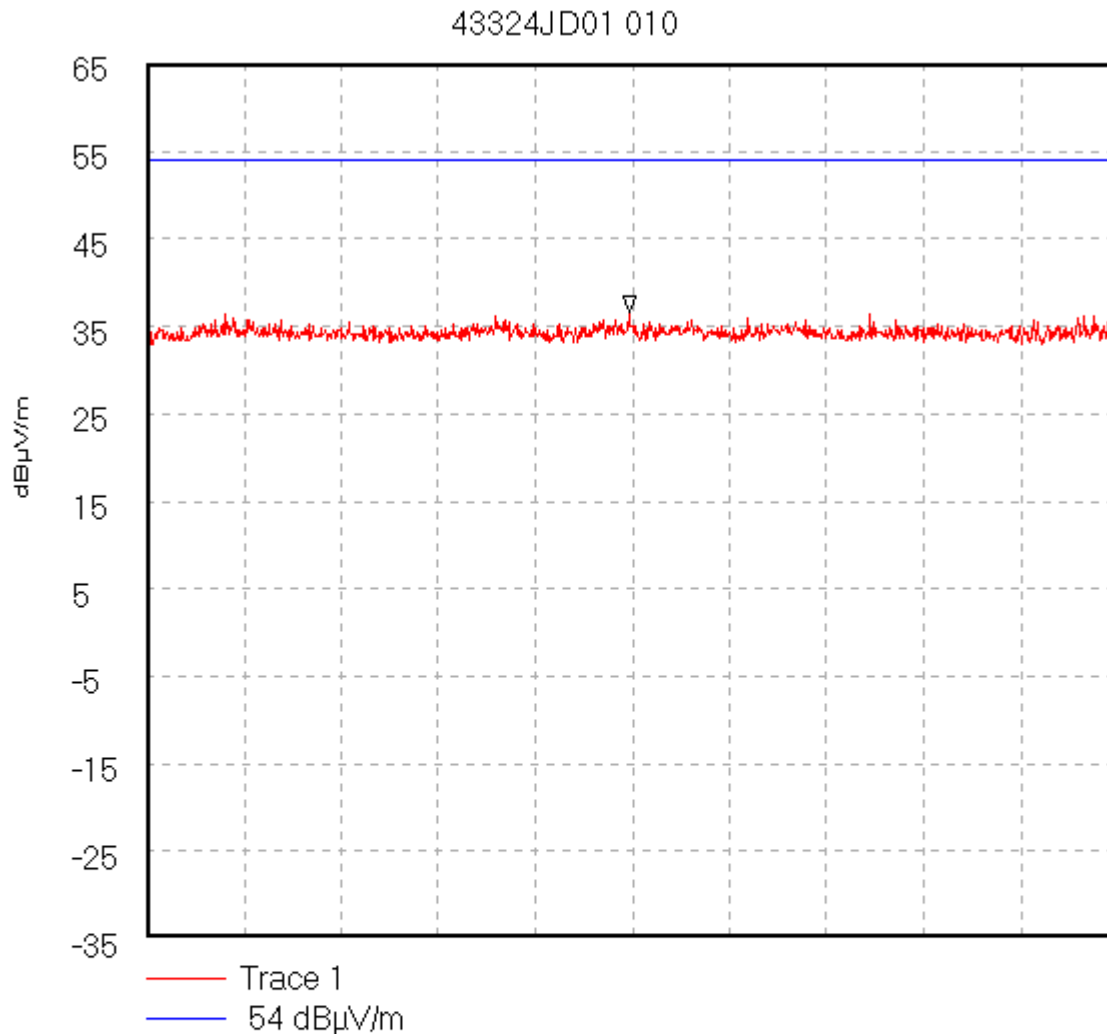
Transducer Factors: 4_to_6G

27/03/02 13:51:48

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\010
Radiated Spurious Emissions. (Receive Mode)



Start 5.0 GHz; Stop 6.0 GHz

Ref 65 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 5.497 GHz, 36.46 dBµV/m

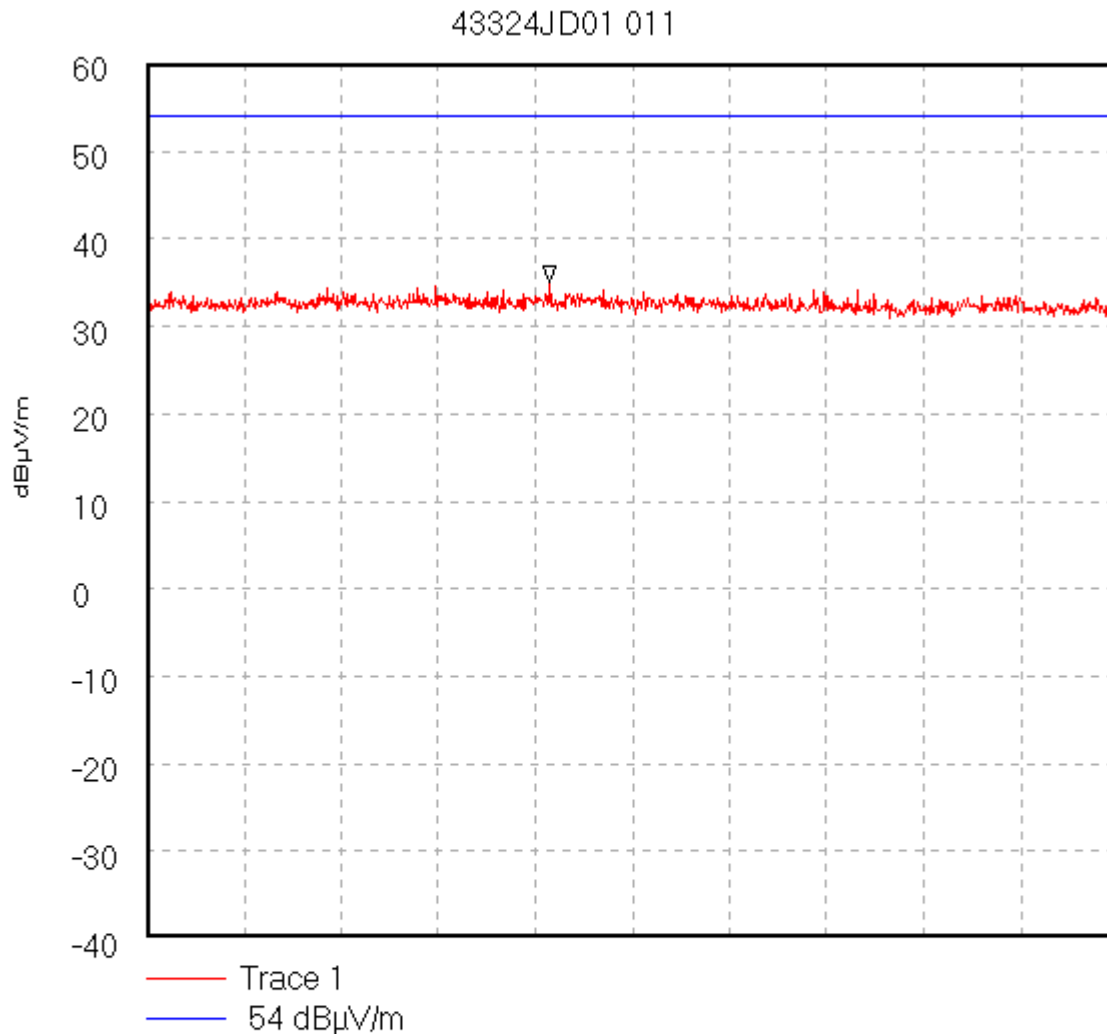
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 13:53:14

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\011Radiated Spurious Emissions. Lad-VE (Receive Mode)

Start 6.0 GHz; Stop 8.0 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 6.829 GHz, 34.89 dBµV/m

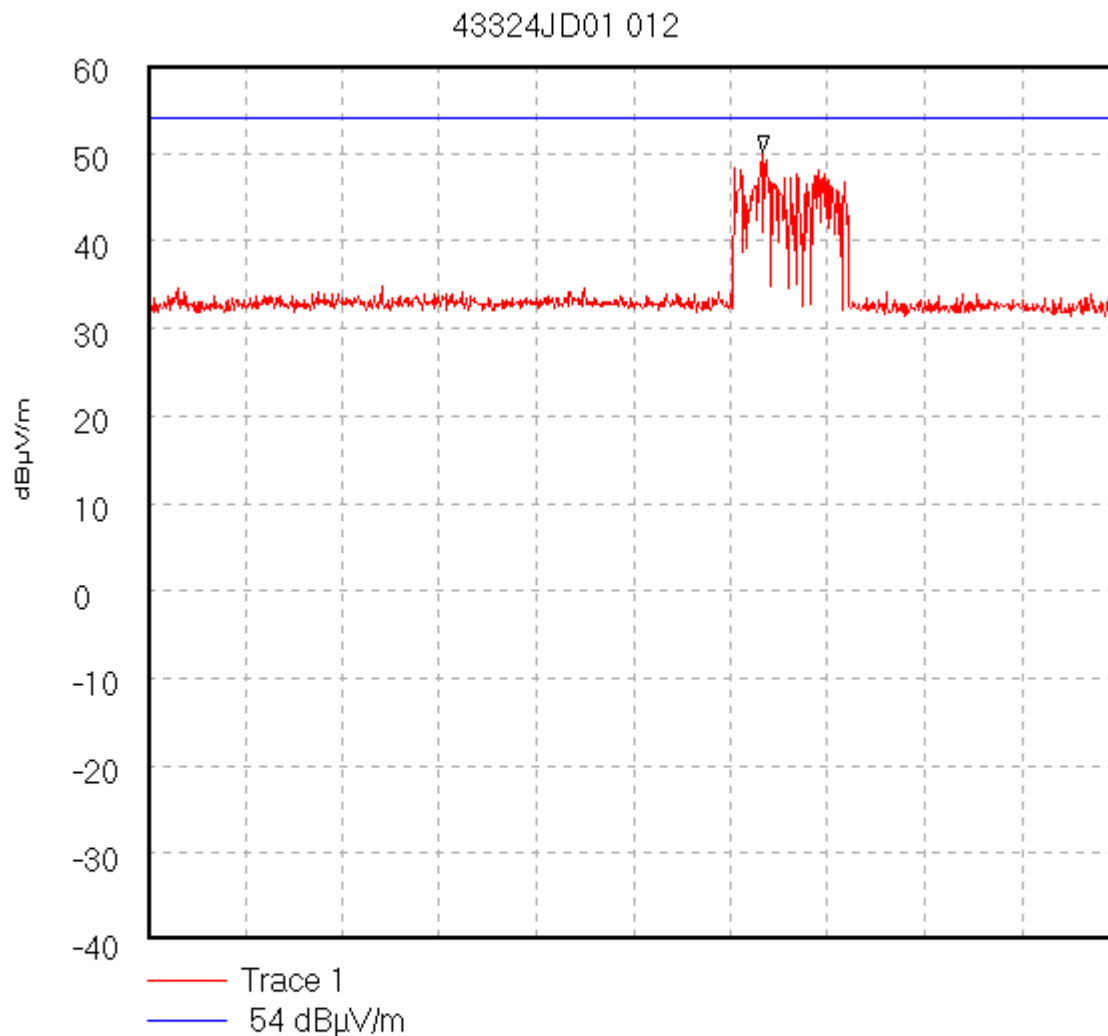
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 13:57:38

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\012Radiated Spurious Emissions. (Hopping Mode, Transmit Mode)

Start 6.0 GHz; Stop 8.0 GHz

Ref 60 dB μ V/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

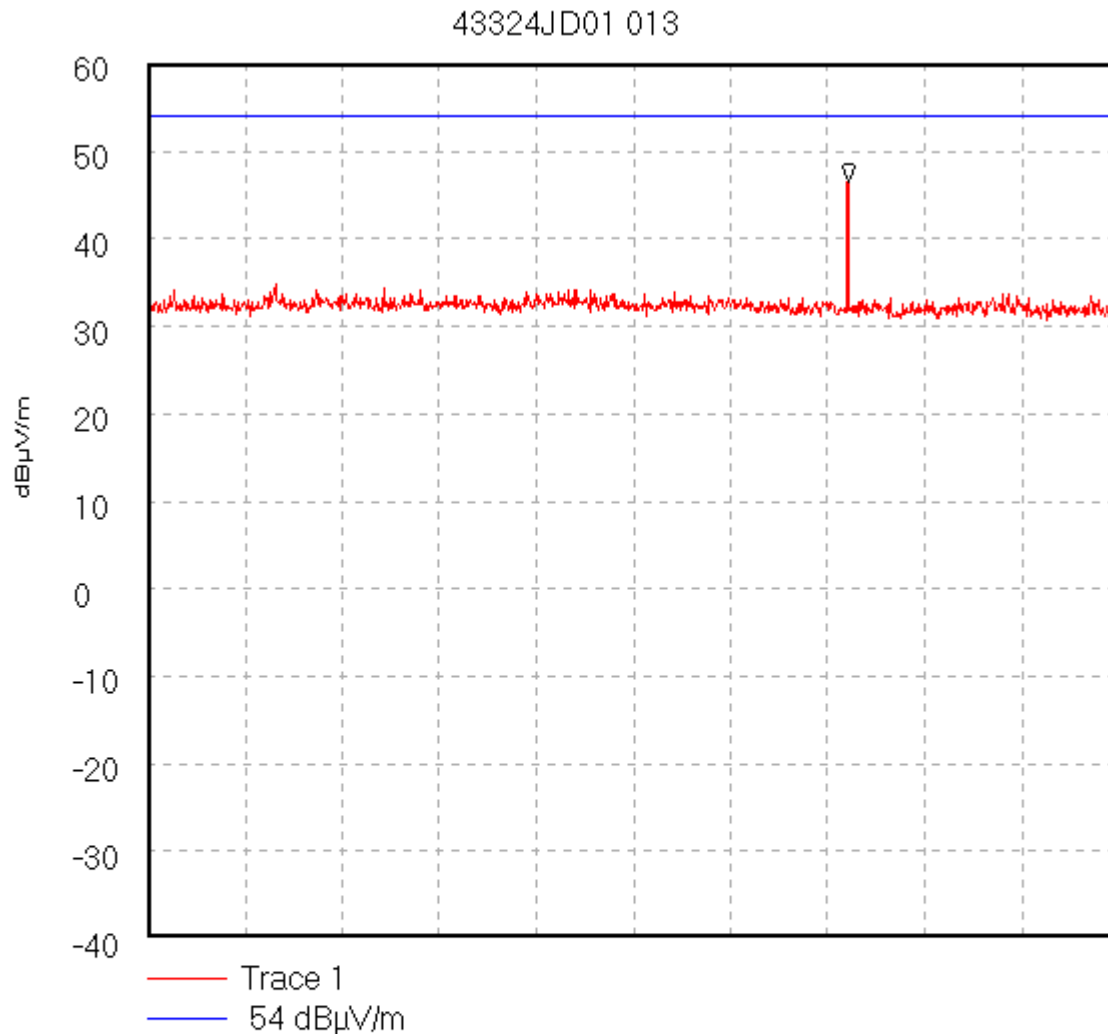
Peak 7.267 GHz, 50.03 dB μ V/mDisplay Line: 54 dB μ V/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:00:15

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\013Radiated Spurious Emissions. (Top Channel, Transmit Mode)

Start 6.0 GHz; Stop 8.0 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 7.444 GHz, 46.55 dBµV/m

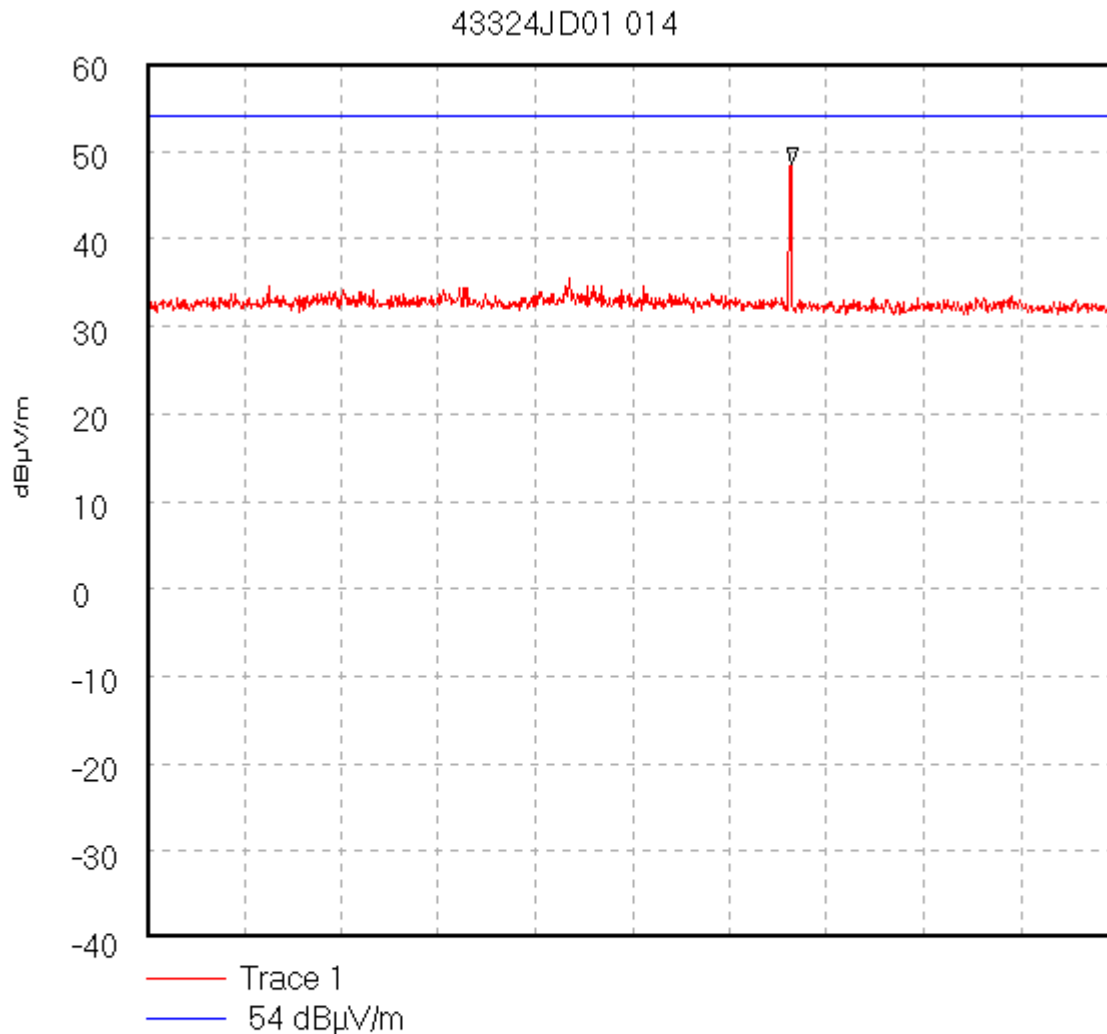
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:03:47

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\014Radiated Spurious Emissions. (Middle Channel, Transmit Mode)

Start 6.0 GHz; Stop 8.0 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 7.329 GHz, 48.43 dBµV/m

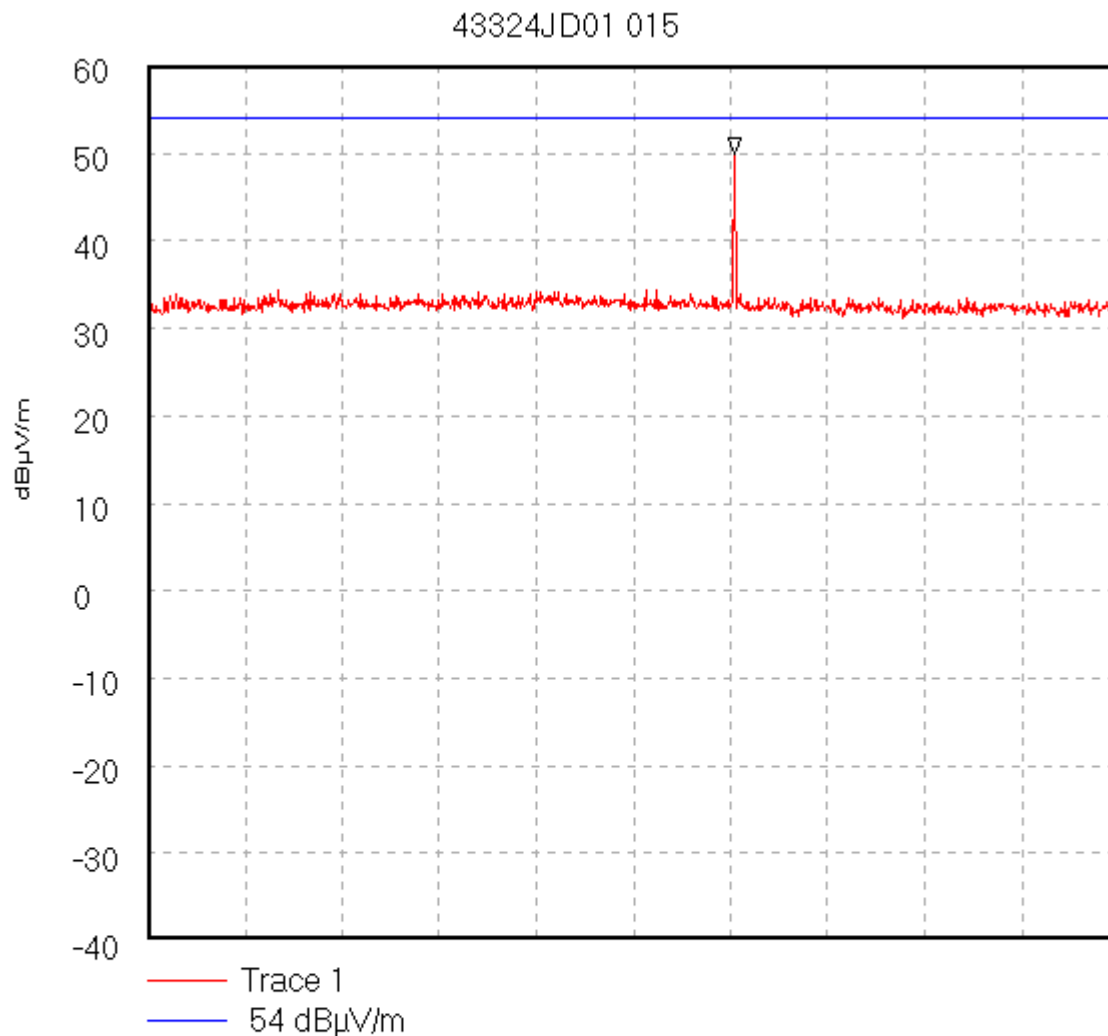
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:08:03

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\015Radiated Spurious Emissions. (Bottom Channel, Transmit Mode)

Start 6.0 GHz; Stop 8.0 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 7.209 GHz, 49.82 dBµV/m

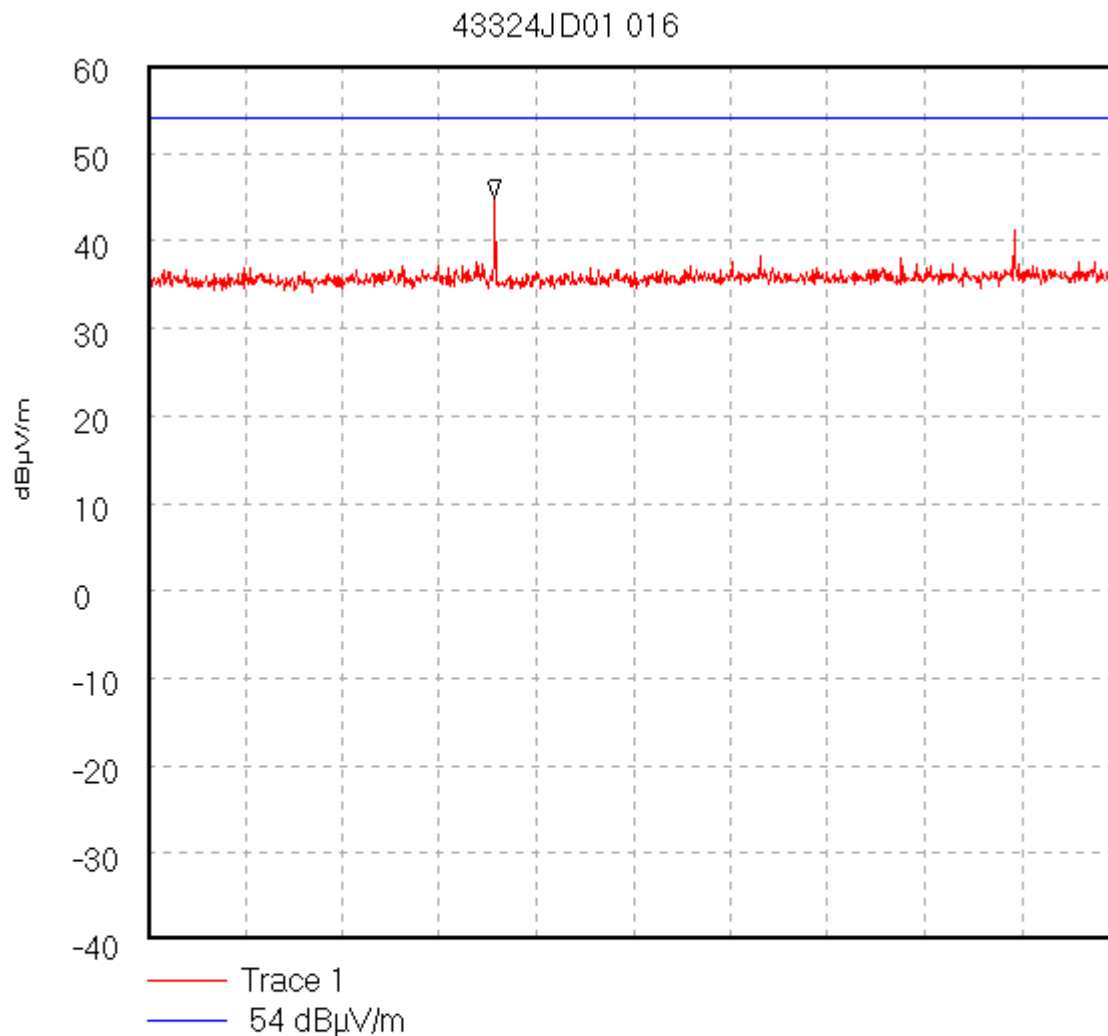
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:12:35

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\016Radiated Spurious Emissions. (Bottom Channel, Transmit Mode)

Start 8.0 GHz; Stop 12.5 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 40.0 mS

Peak 9.61 GHz, 44.92 dBµV/m

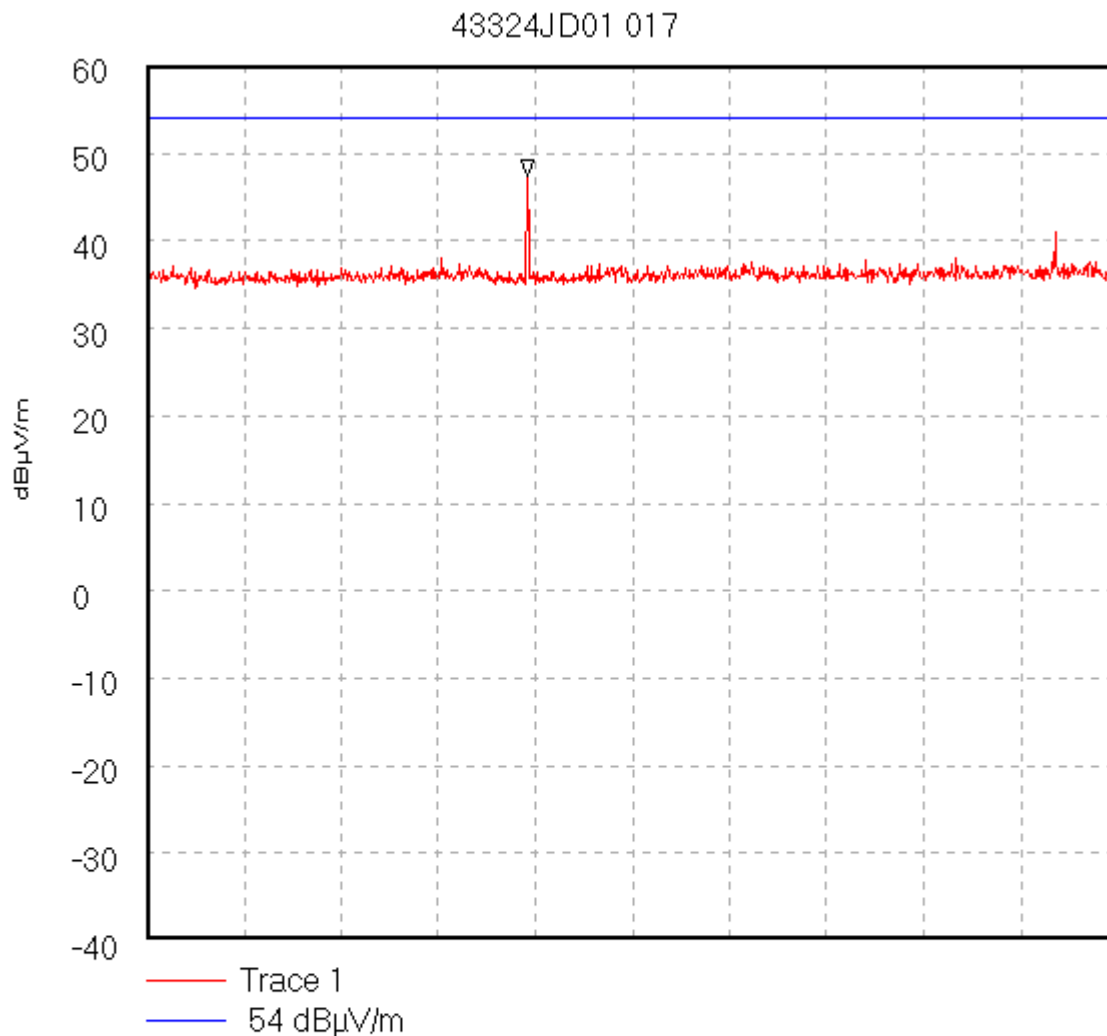
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:19:27

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\017Radiated Spurious Emissions. (Middle Channel, Transmit Mode)

Start 8.0 GHz; Stop 12.5 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 40.0 mS

Peak 9.765 GHz, 47.33 dBµV/m

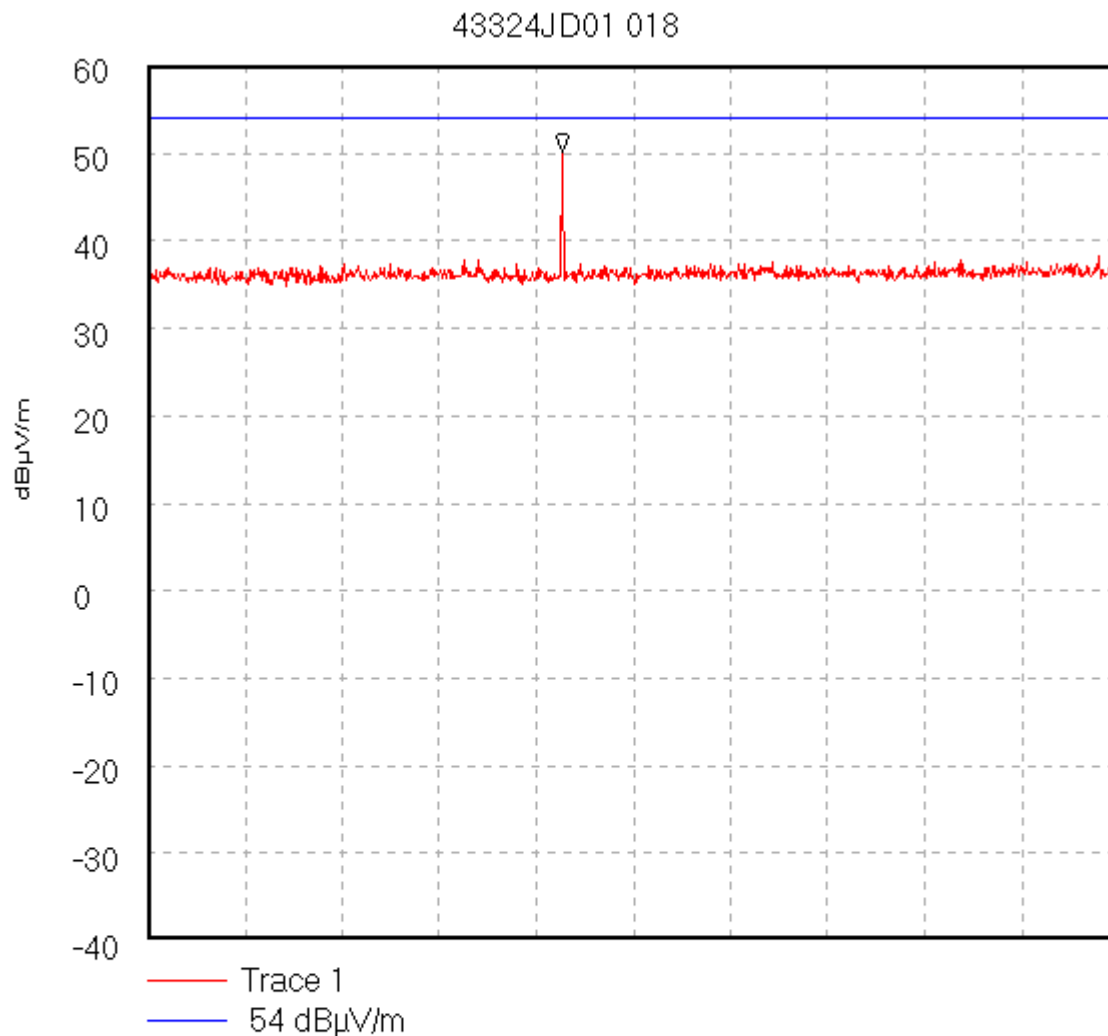
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:21:00

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\018Radiated Spurious Emissions. (Top Channel, Transmit Mode)

Start 8.0 GHz; Stop 12.5 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 40.0 mS

Peak 9.92 GHz, 50.2 dBµV/m

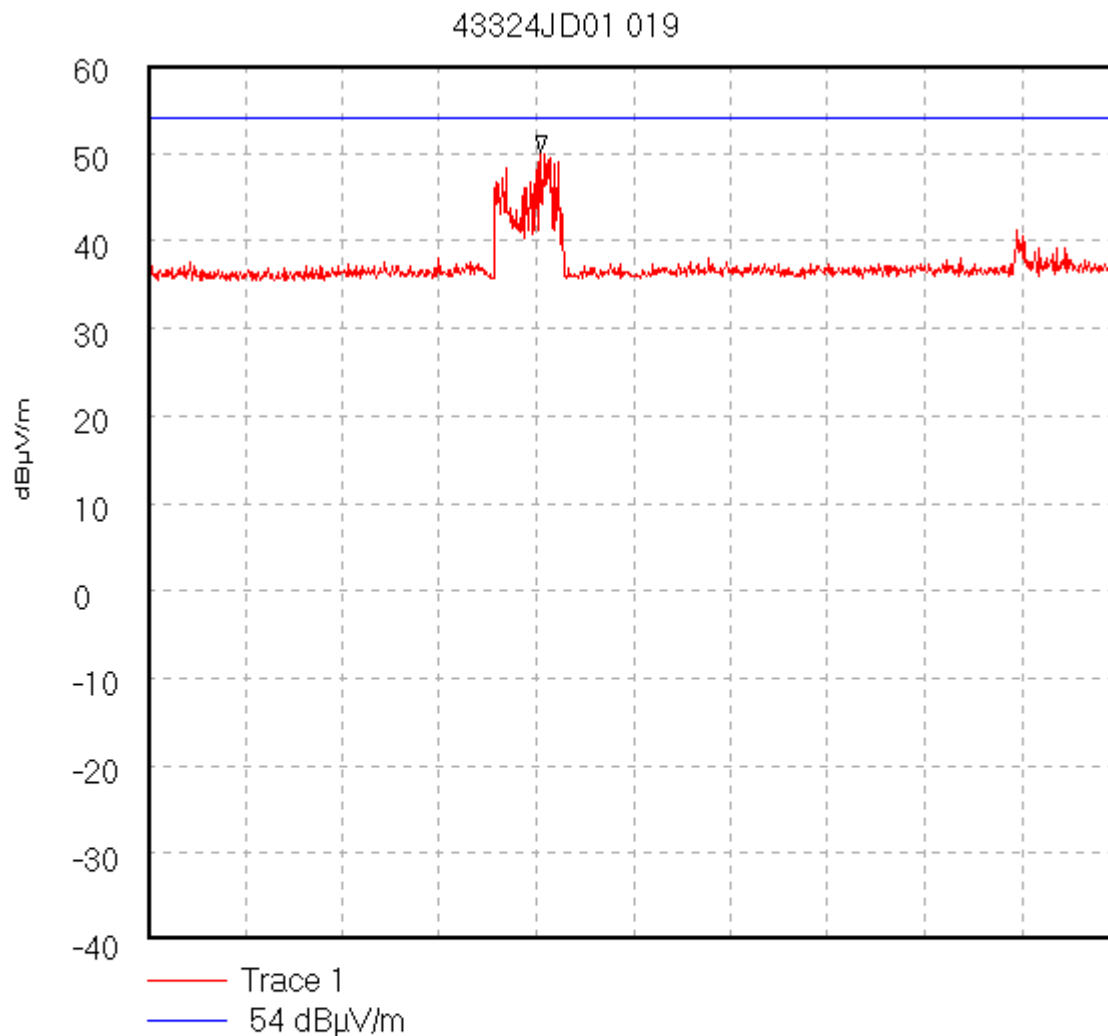
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:22:20

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\019Radiated Spurious Emissions. (Hopping Mode, Transmit Mode)

Start 8.0 GHz; Stop 12.5 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 40.0 mS

Peak 9.825 GHz, 50.08 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Passed

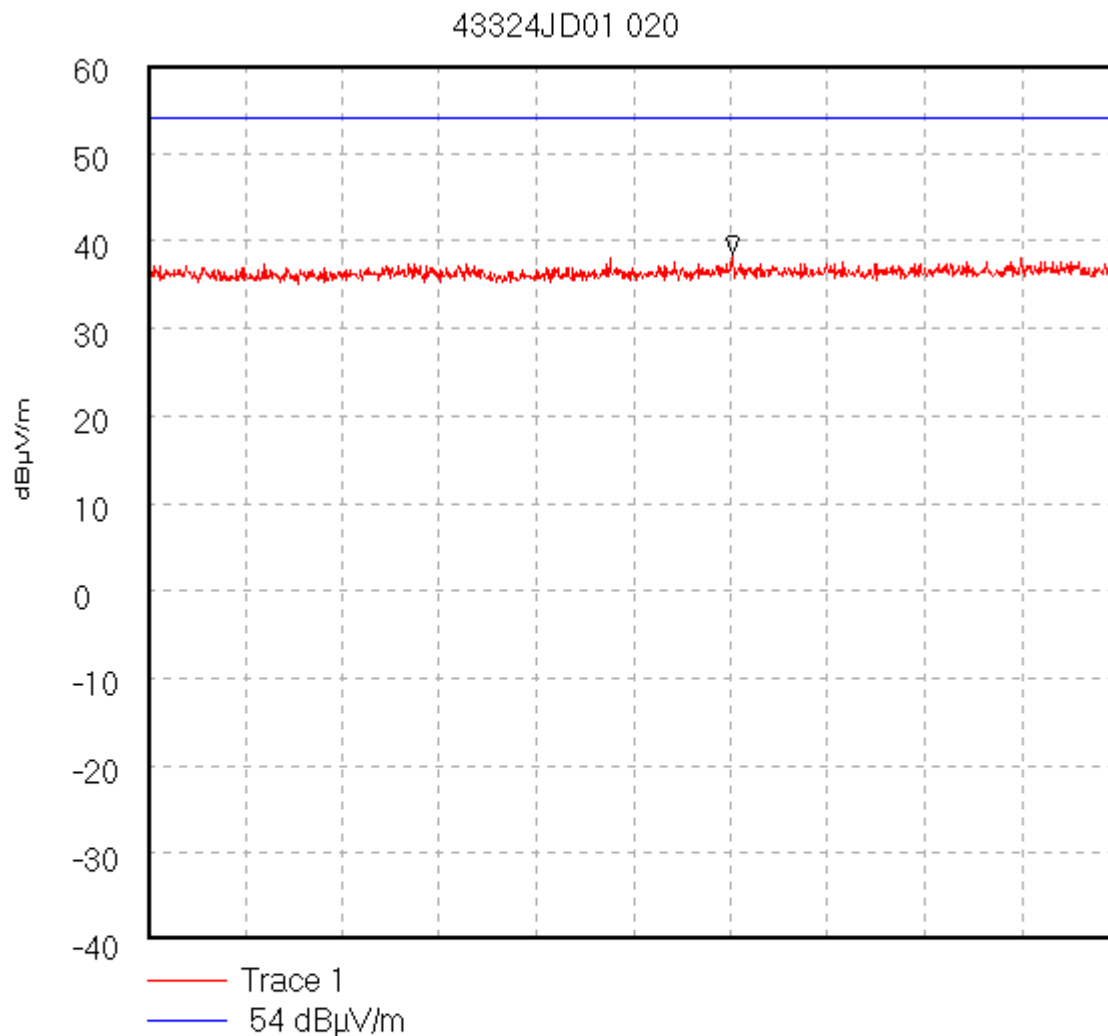
Transducer Factors: 4_to_6G

27/03/02 14:27:00

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\020
Radiated Spurious Emissions. (Receive Mode)



Start 8.0 GHz; Stop 12.5 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 40.0 mS

Peak 10.71 GHz, 38.47 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Passed

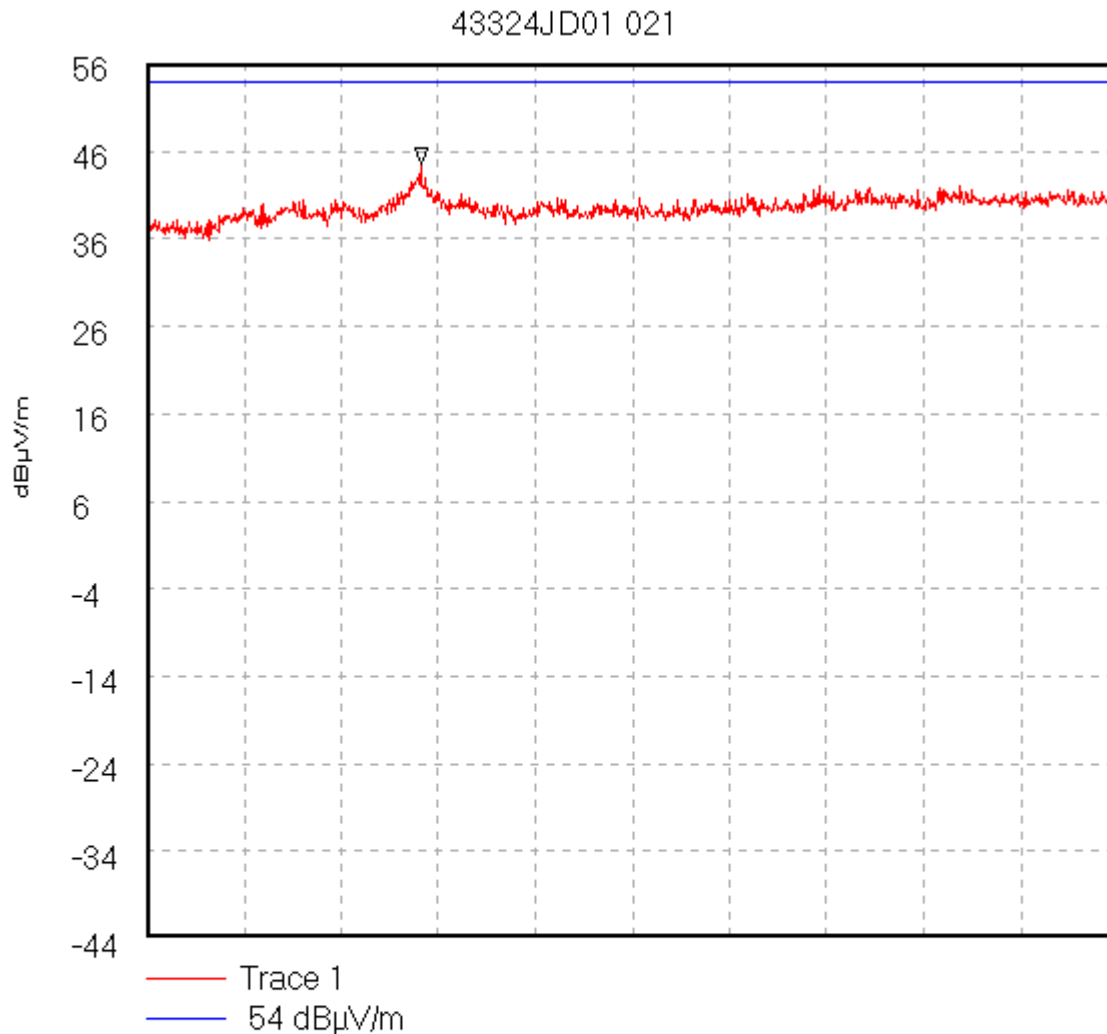
Transducer Factors: 4_to_6G

27/03/02 14:40:33

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\021
Radiated Spurious Emissions. (Receive Mode)



Start 12.5 GHz; Stop 18.0 GHz

Ref 56 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 40.0 mS

Peak 14.052 GHz, 44.45 dBµV/m

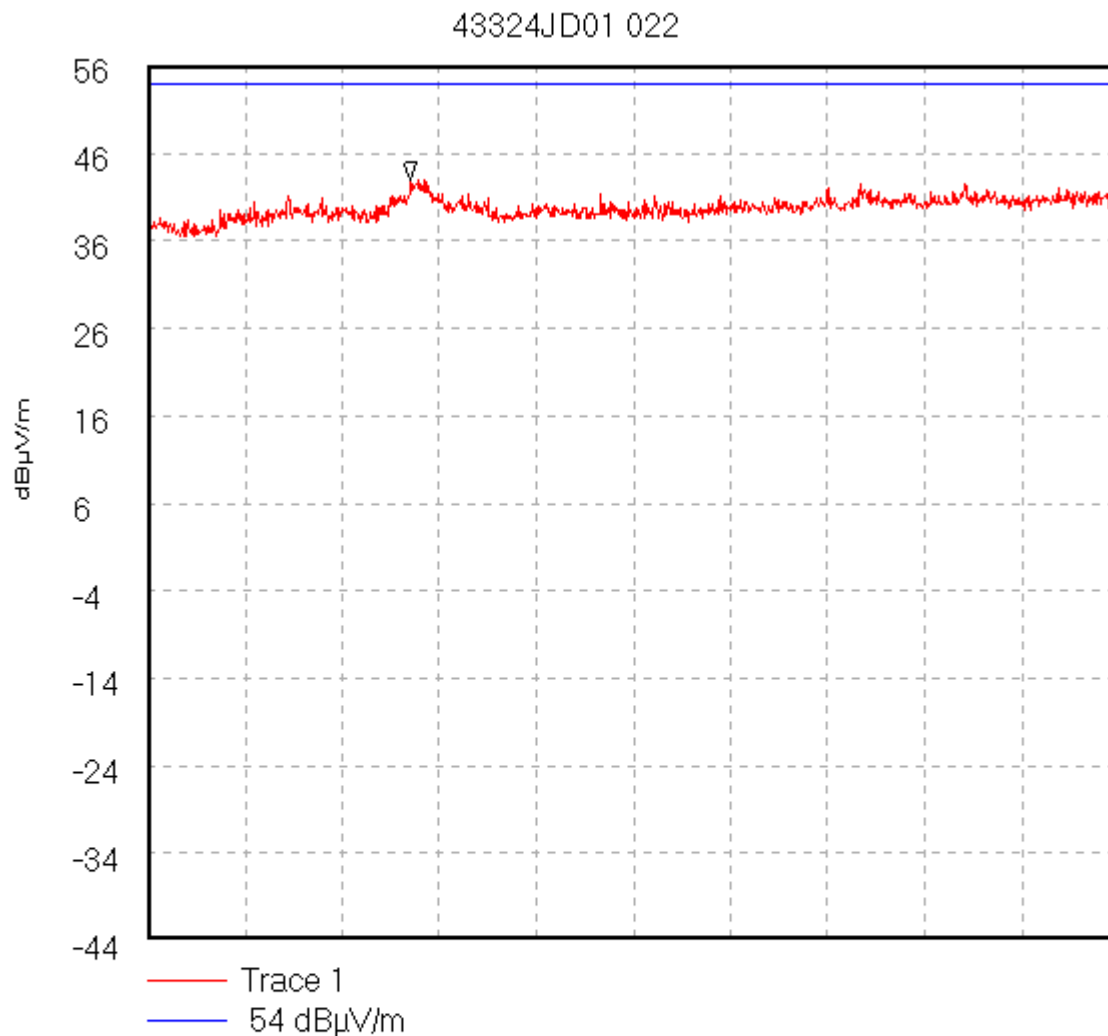
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:50:34

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\022Radiated Spurious Emissions. (Hopping Mode, Transmit Mode)

Start 12.5 GHz; Stop 18.0 GHz

Ref 56 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 40.0 mS

Peak 13.991 GHz, 43.0 dBµV/m

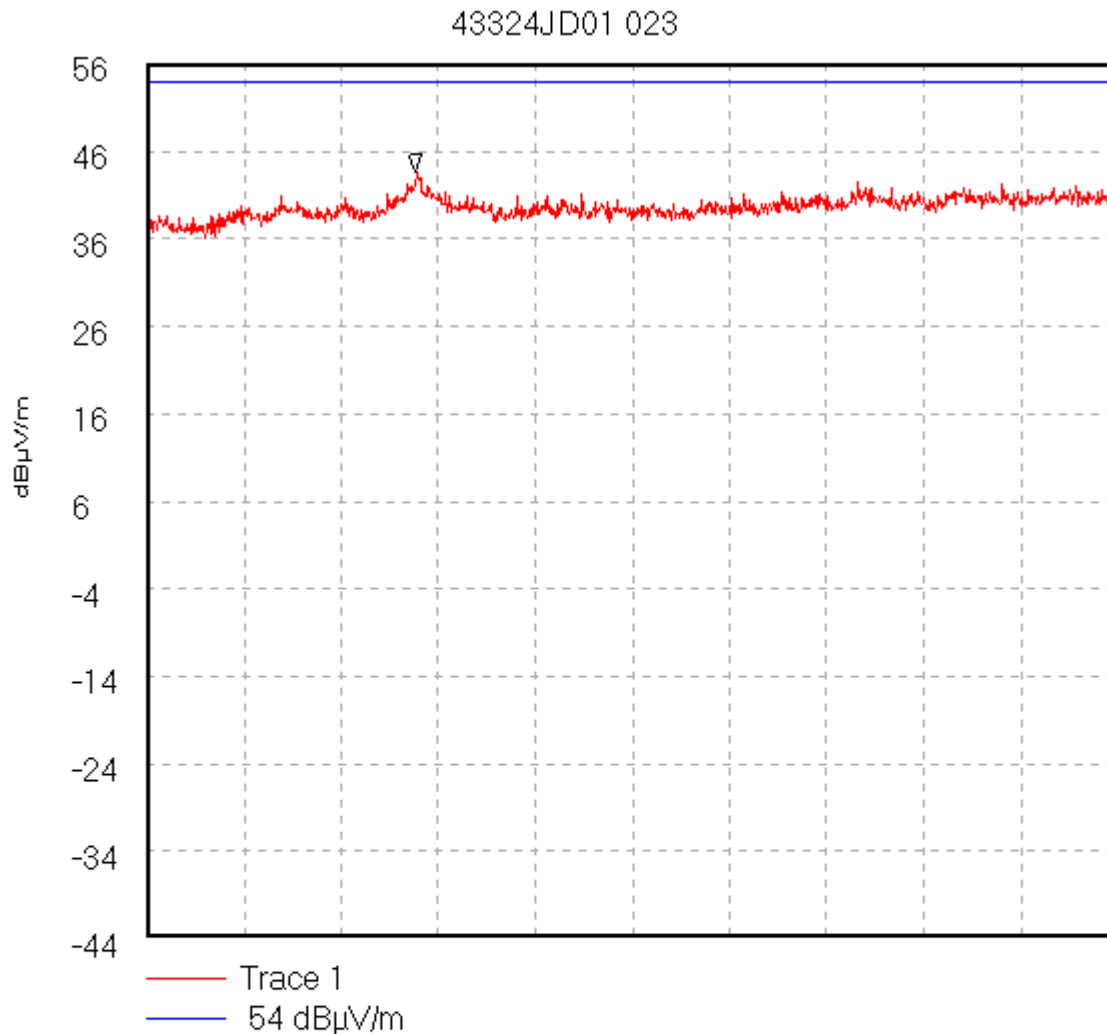
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:52:36

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\023Radiated Spurious Emissions. (Top Channel, Transmit Mode)

Start 12.5 GHz; Stop 18.0 GHz

Ref 56 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 40.0 mS

Peak 14.028 GHz, 43.61 dBµV/m

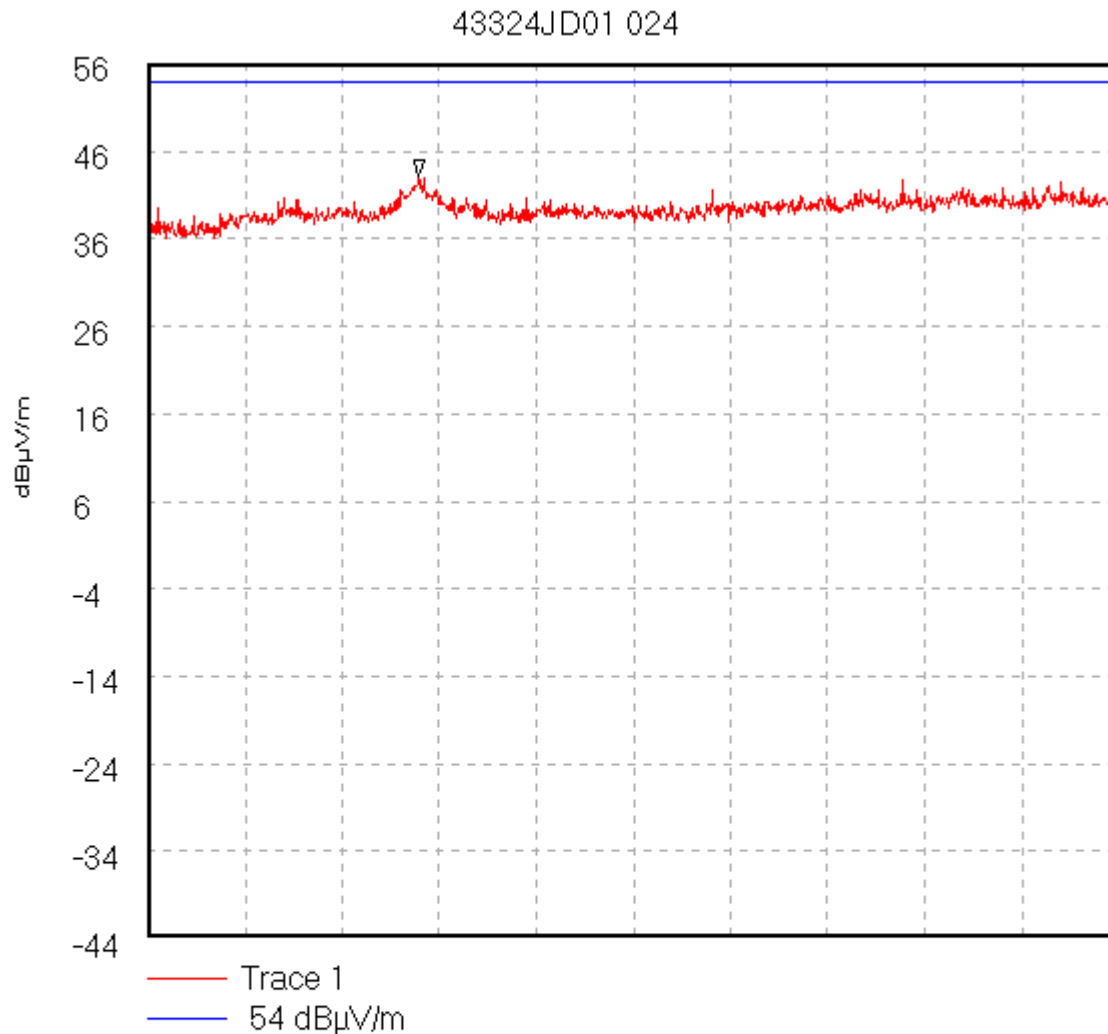
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:53:59

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\024Radiated Spurious Emissions. (Middle Channel, Transmit Mode)

Start 12.5 GHz; Stop 18.0 GHz

Ref 56 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 40.0 mS

Peak 14.034 GHz, 43.03 dBµV/m

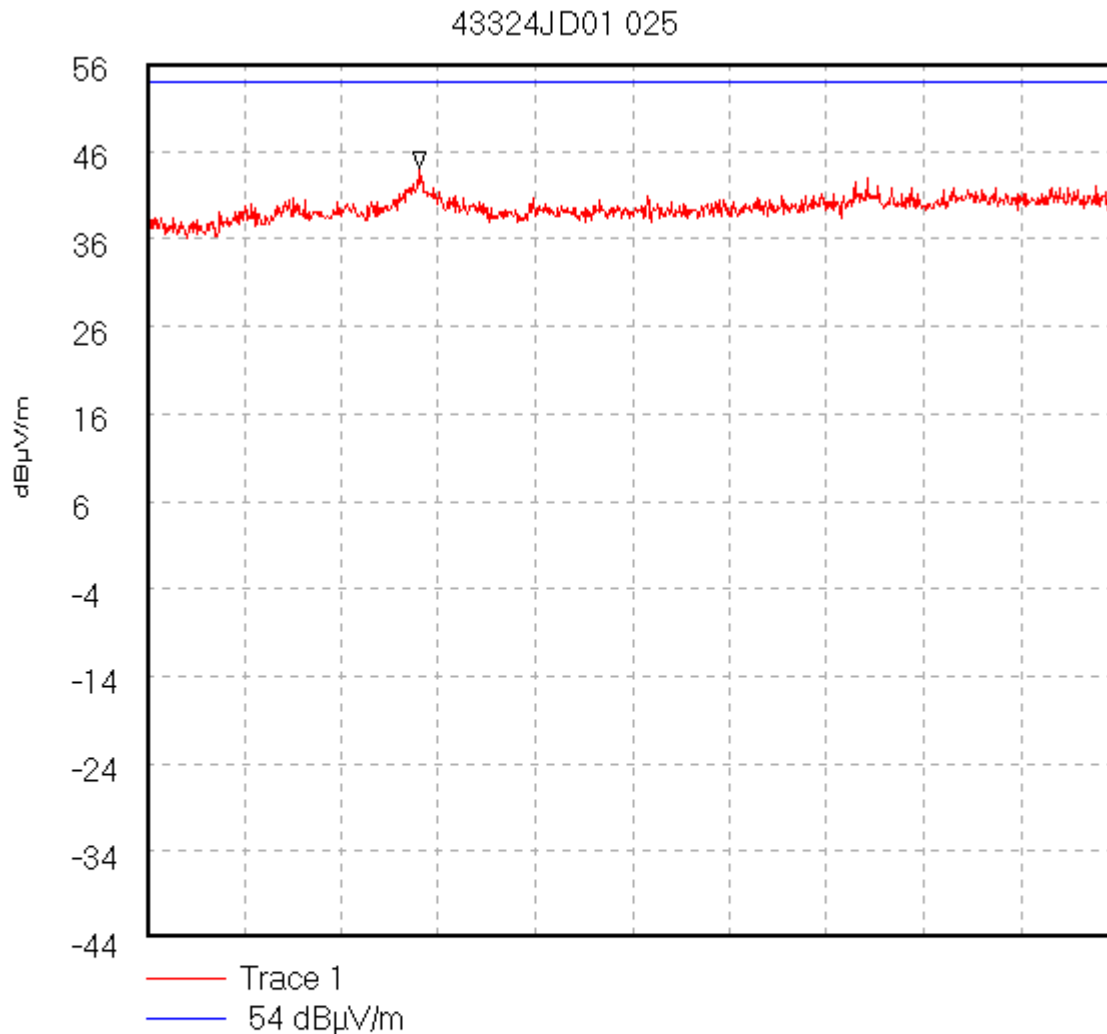
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:55:49

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\025Radiated Spurious Emissions. (Bottom Channel, Transmit Mode)

Start 12.5 GHz; Stop 18.0 GHz

Ref 56 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 40.0 mS

Peak 14.04 GHz, 44.02 dBµV/m

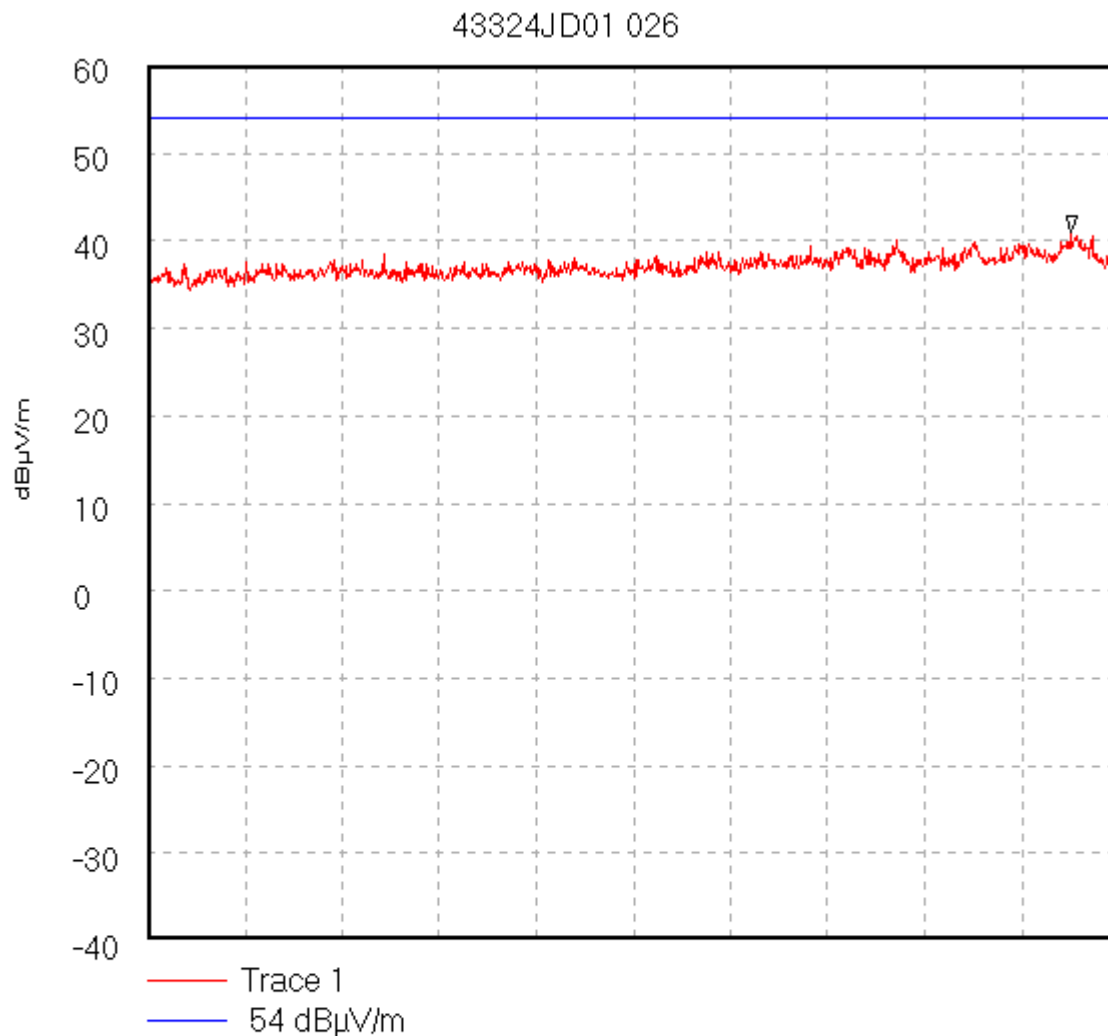
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 14:57:27

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\026Radiated Spurious Emissions. (Bottom Channel, Transmit Mode)

Start 18.0 GHz; Stop 26.5 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 60.0 mS

Peak 26.084 GHz, 40.86 dBµV/m

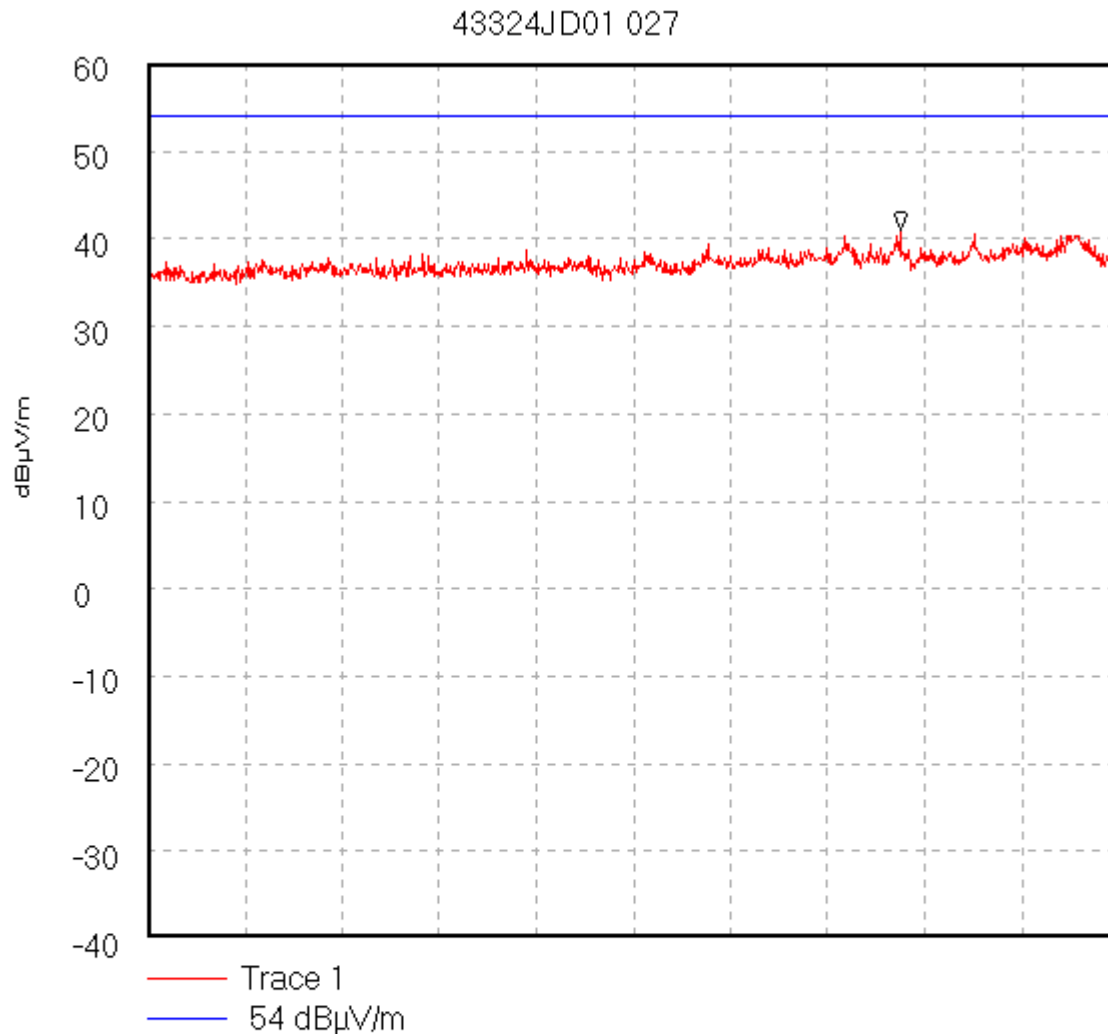
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 15:03:32

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\027Radiated Spurious Emissions. (Middle Channel, Transmit Mode)

Start 18.0 GHz; Stop 26.5 GHz

Ref 60 dB μ V/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 60.0 mS

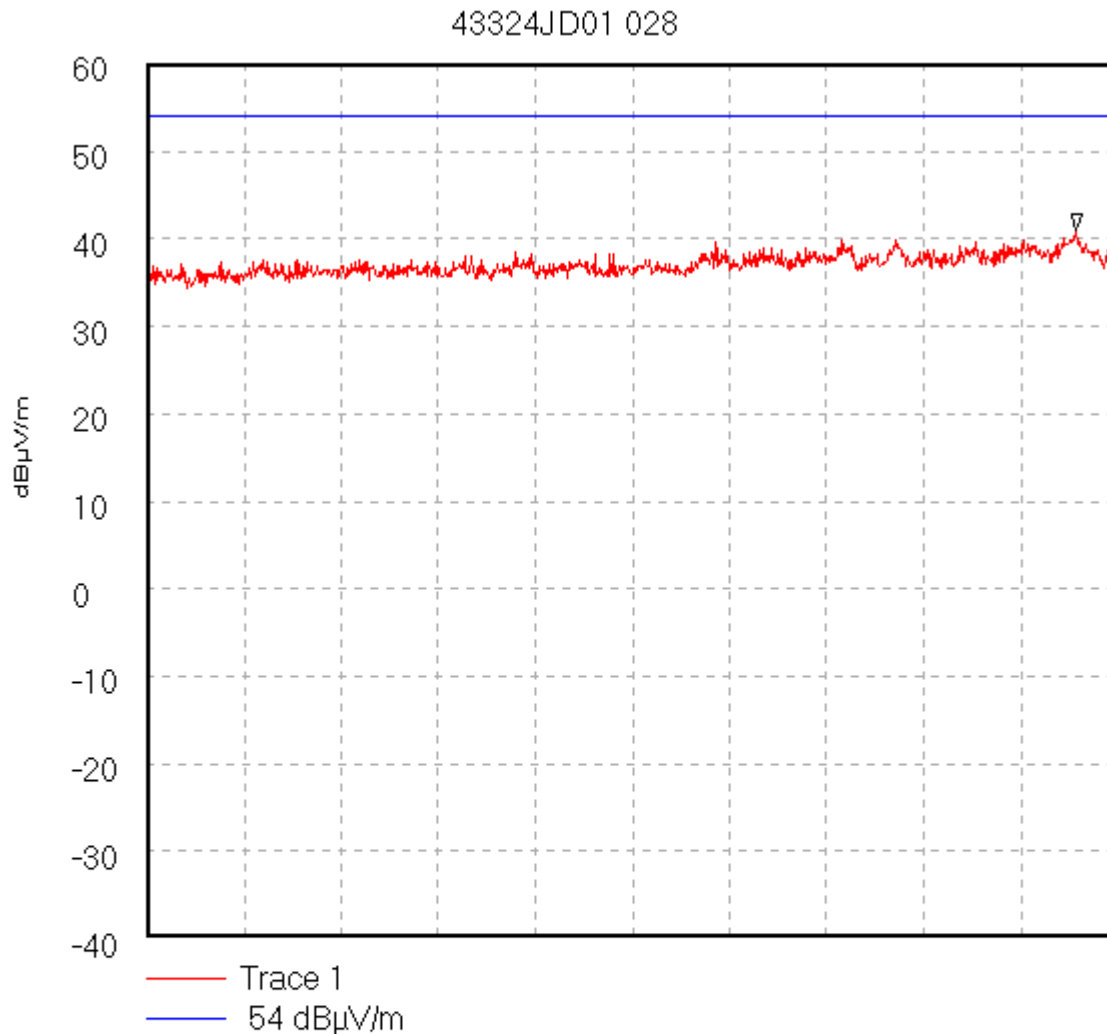
Peak 24.592 GHz, 40.96 dB μ V/mDisplay Line: 54 dB μ V/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 15:04:50

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\028Radiated Spurious Emissions. (Top Channel, Transmit Mode)

Start 18.0 GHz; Stop 26.5 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 60.0 mS

Peak 26.141 GHz, 40.91 dBµV/m

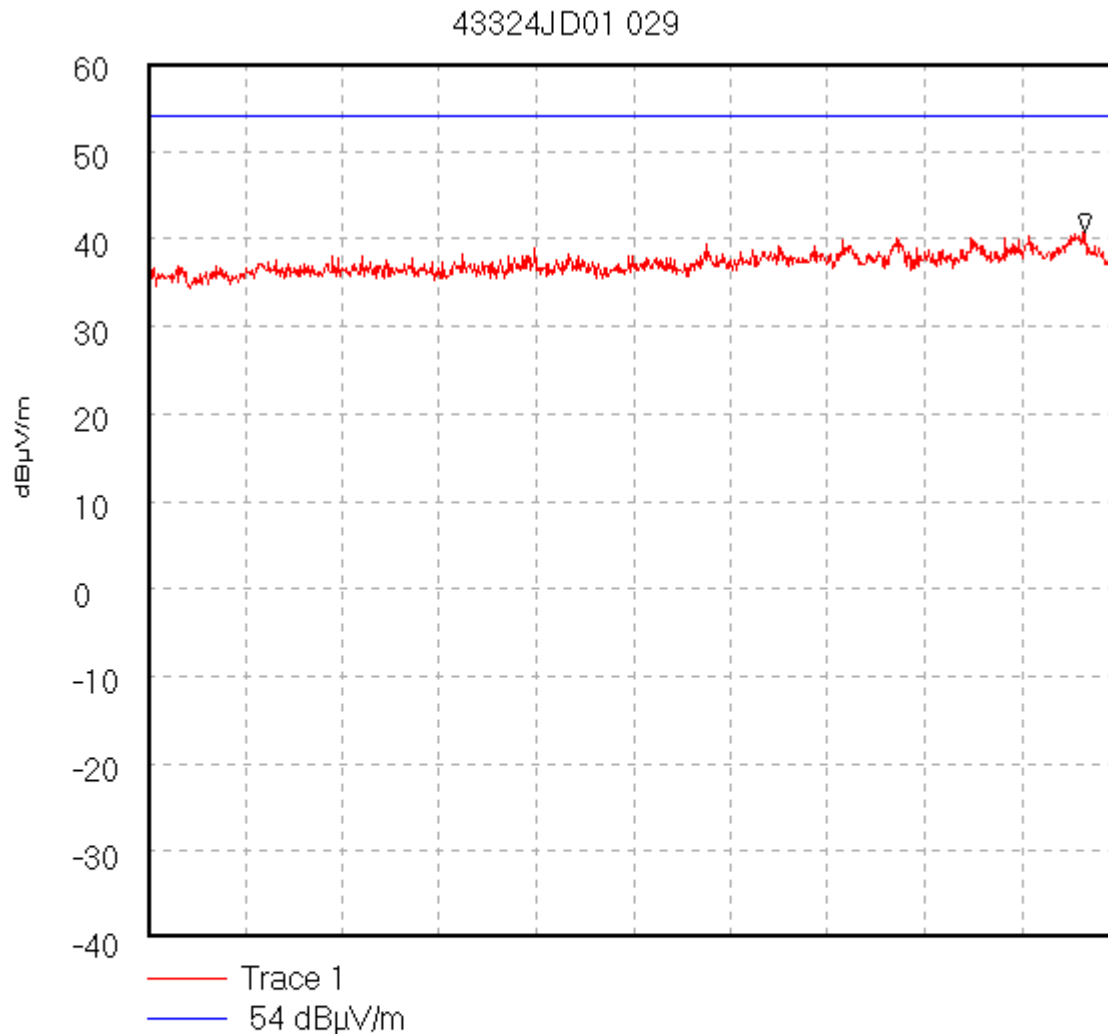
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 15:05:51

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\029Radiated Spurious Emissions. (Hopping Mode, Transmit Mode)

Start 18.0 GHz; Stop 26.5 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 60.0 mS

Peak 26.198 GHz, 40.81 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Passed

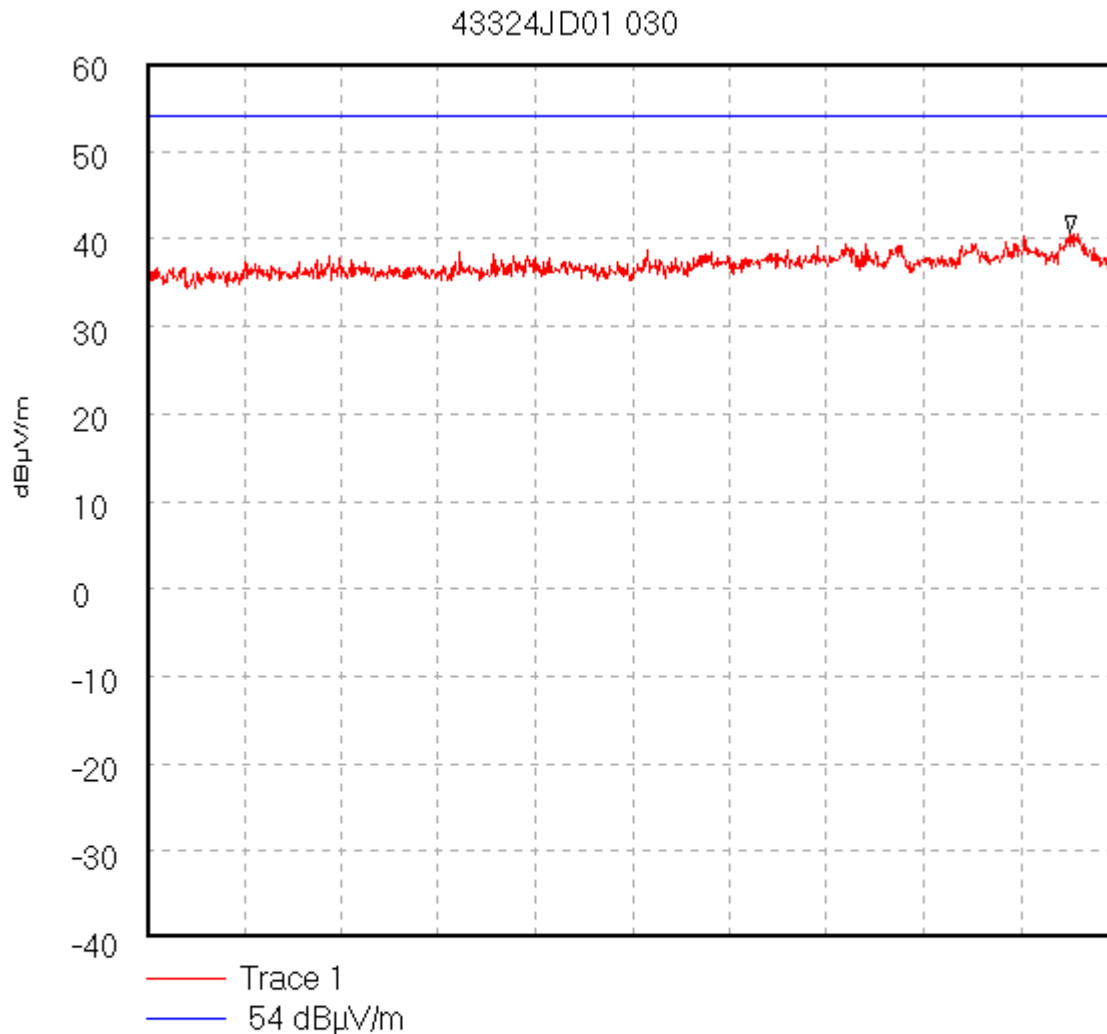
Transducer Factors: 4_to_6G

27/03/02 15:07:06

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01\030
Radiated Spurious Emissions. (Receive Mode)



Start 18.0 GHz; Stop 26.5 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 60.0 mS

Peak 26.084 GHz, 40.63 dBµV/m

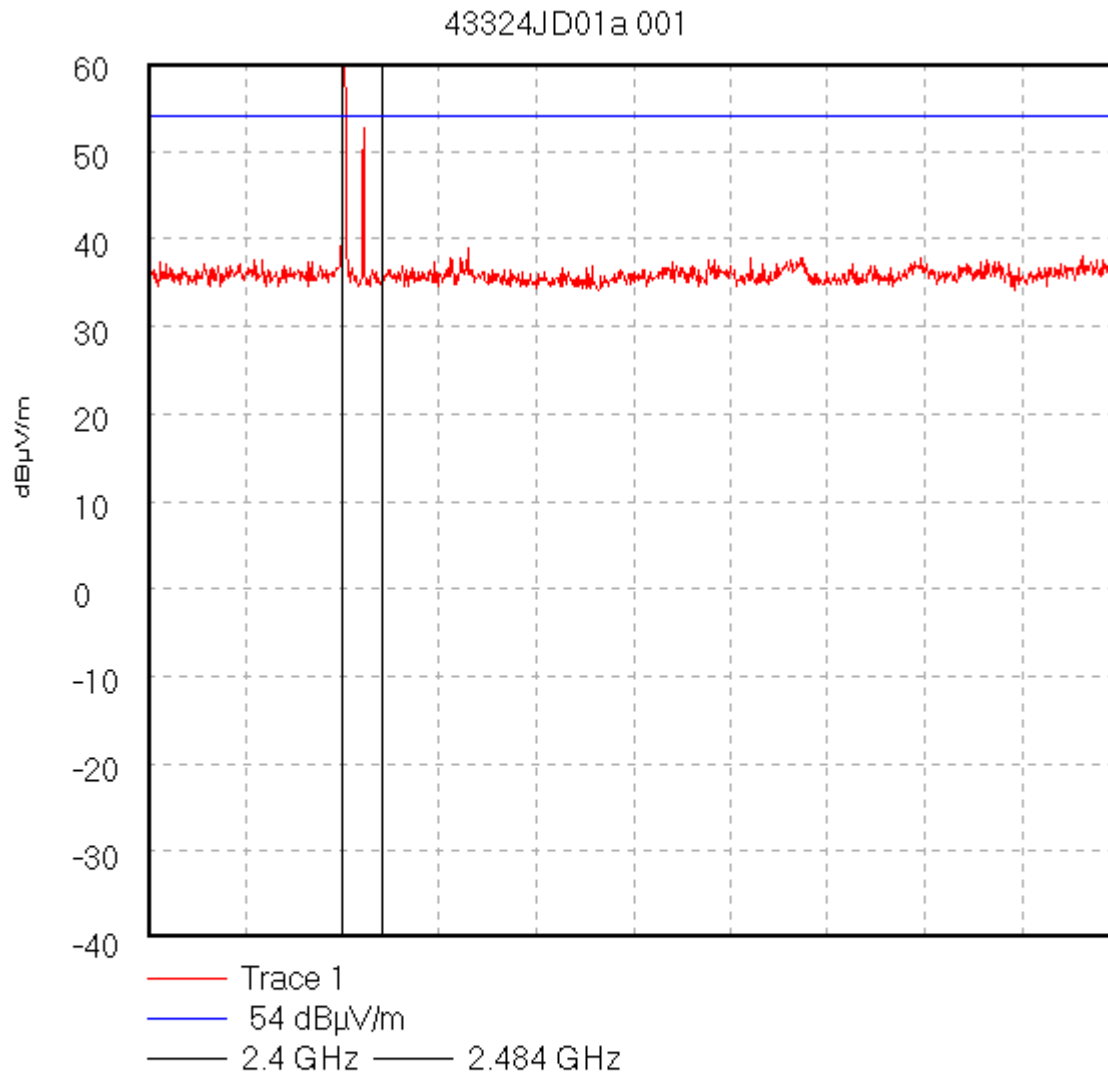
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: 4_to_6G

27/03/02 15:08:04

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\001Radiated Spurious Emissions. (Bottom Channel, Transmit Mode)

Start 2.0 GHz; Stop 4.0 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 5 dB; Swp 20.0 mS

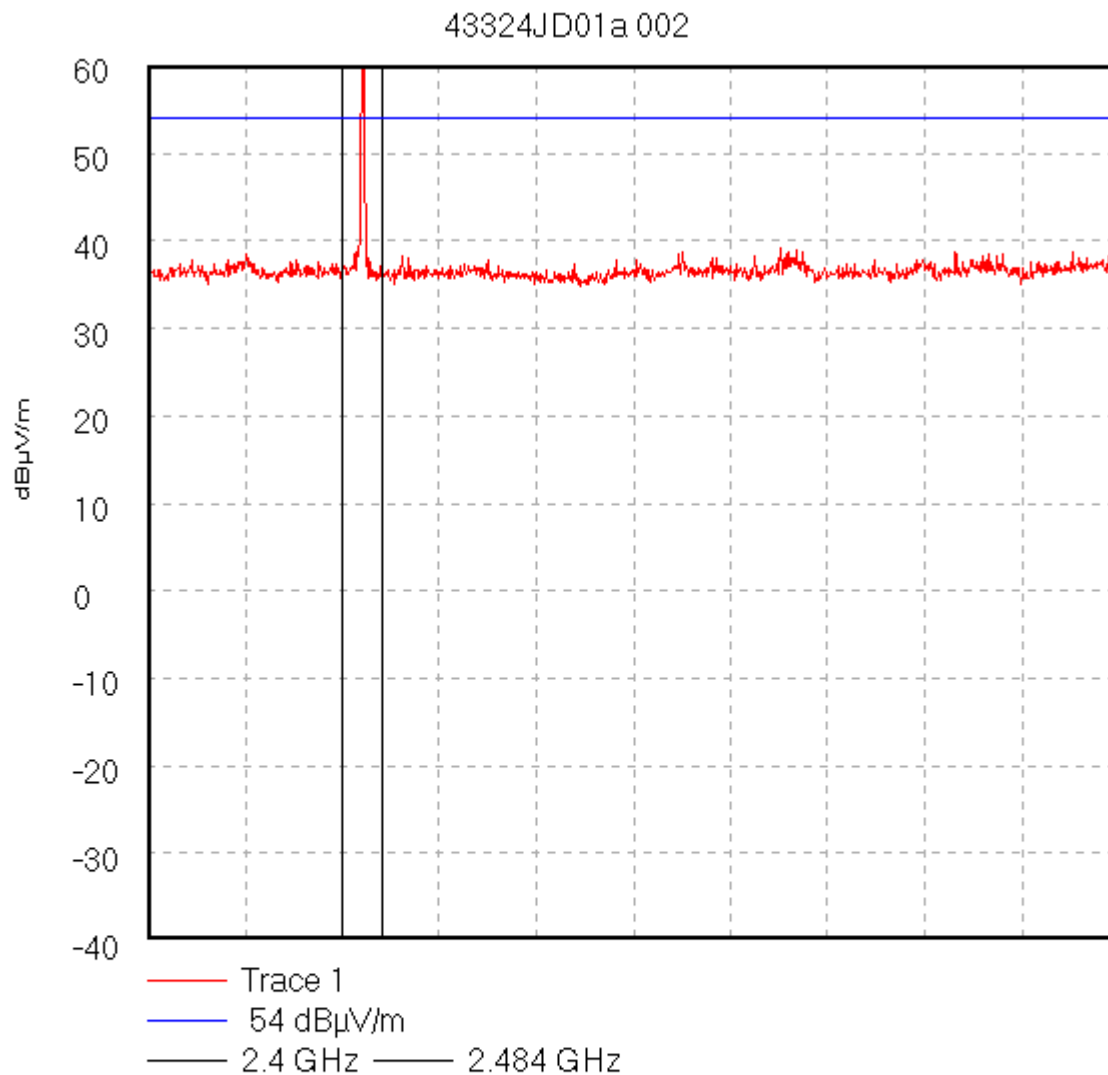
Peak 2.402 GHz, 63.98 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Failed

28/03/02 15:46:09

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\002Radiated Spurious Emissions. (Middle Channel, Transmit Mode)

Start 2.0 GHz; Stop 4.0 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 5 dB; Swp 20.0 mS

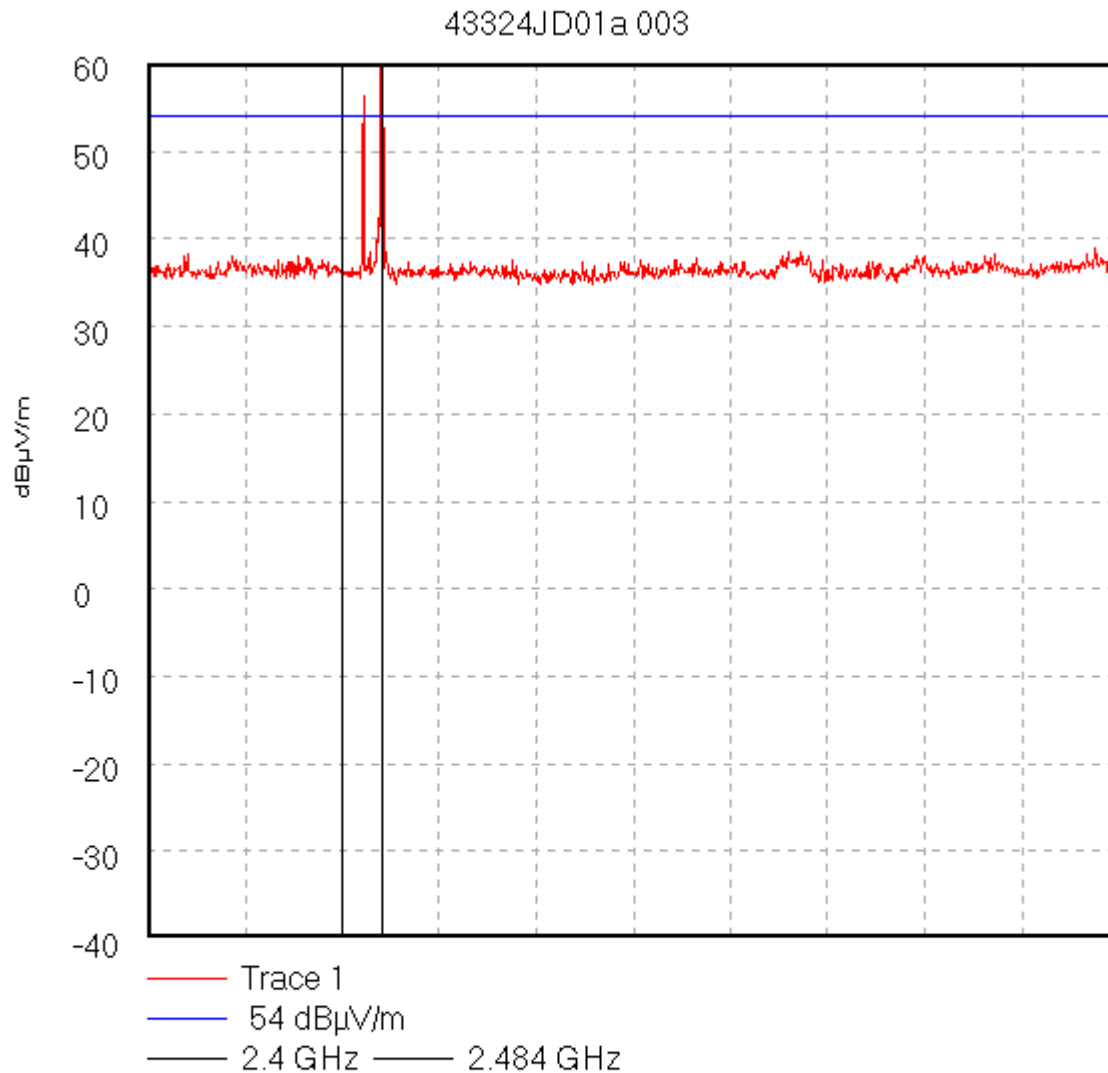
Peak 2.442 GHz, 63.98 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Failed

28/03/02 15:47:58

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\003Radiated Spurious Emissions. (Top Channel, Transmit Mode)

Start 2.0 GHz; Stop 4.0 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 5 dB; Swp 20.0 mS

Peak 2.482 GHz, 63.98 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Failed

28/03/02 15:50:55

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\004Radiated Spurious Emissions. (Hopping Mode, Transmit Mode)

Start 2.0 GHz; Stop 4.0 GHz

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 5 dB; Swp 20.0 mS

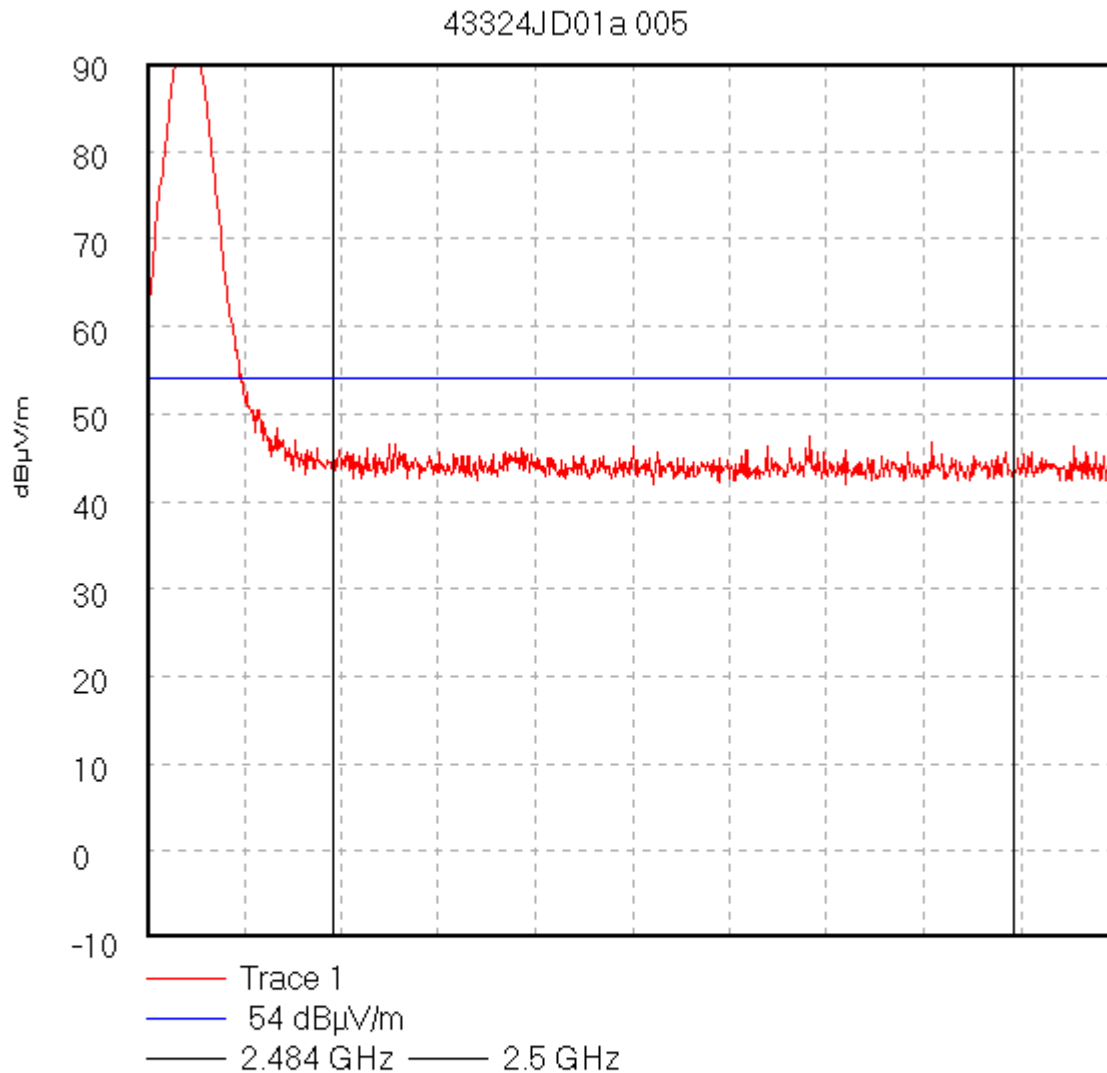
Peak 2.442 GHz, 63.98 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Failed

28/03/02 15:52:53

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\005Radiated Spurious Emissions. (Top Channel, Transmit Mode)

Start 2.479 GHz; Stop 2.502 GHz

Ref 90 dB μ V/m; Ref Offset 0.0 dB; 10 dB/div

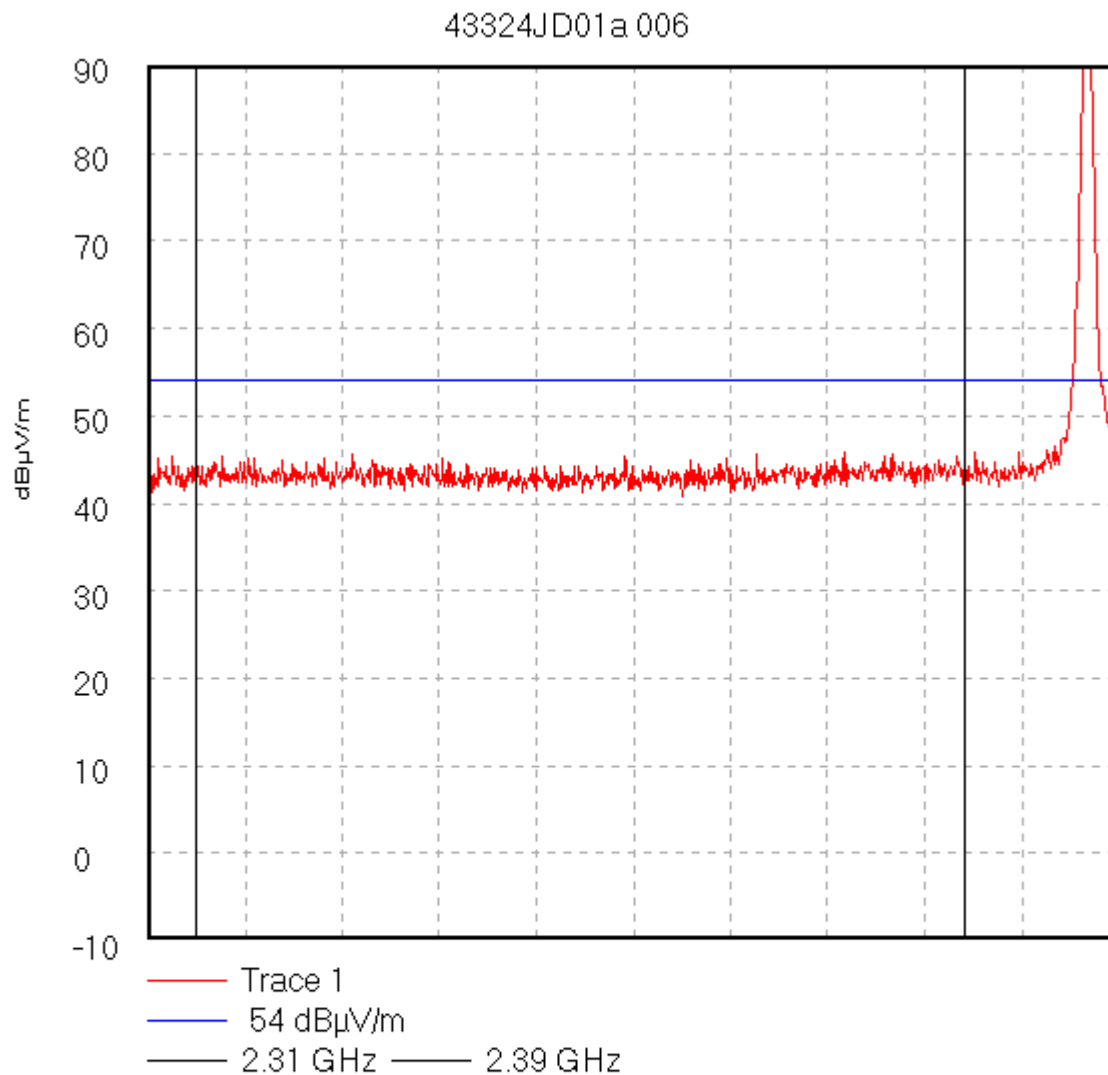
RBW 300.0 kHz; VBW 300.0 kHz; Att 0 dB; Swp 20.0 mS

Peak 2.48 GHz, 92.13 dB μ V/mDisplay Line: 54 dB μ V/m;

28/03/02 16:35:16

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\006Radiated Spurious Emissions. (Bottom Channel, Transmit Mode)

Start 2.305 GHz; Stop 2.406 GHz

Ref 90 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 300.0 kHz; VBW 300.0 kHz; Att 0 dB; Swp 20.0 mS

Peak 2.403 GHz, 93.52 dBµV/m

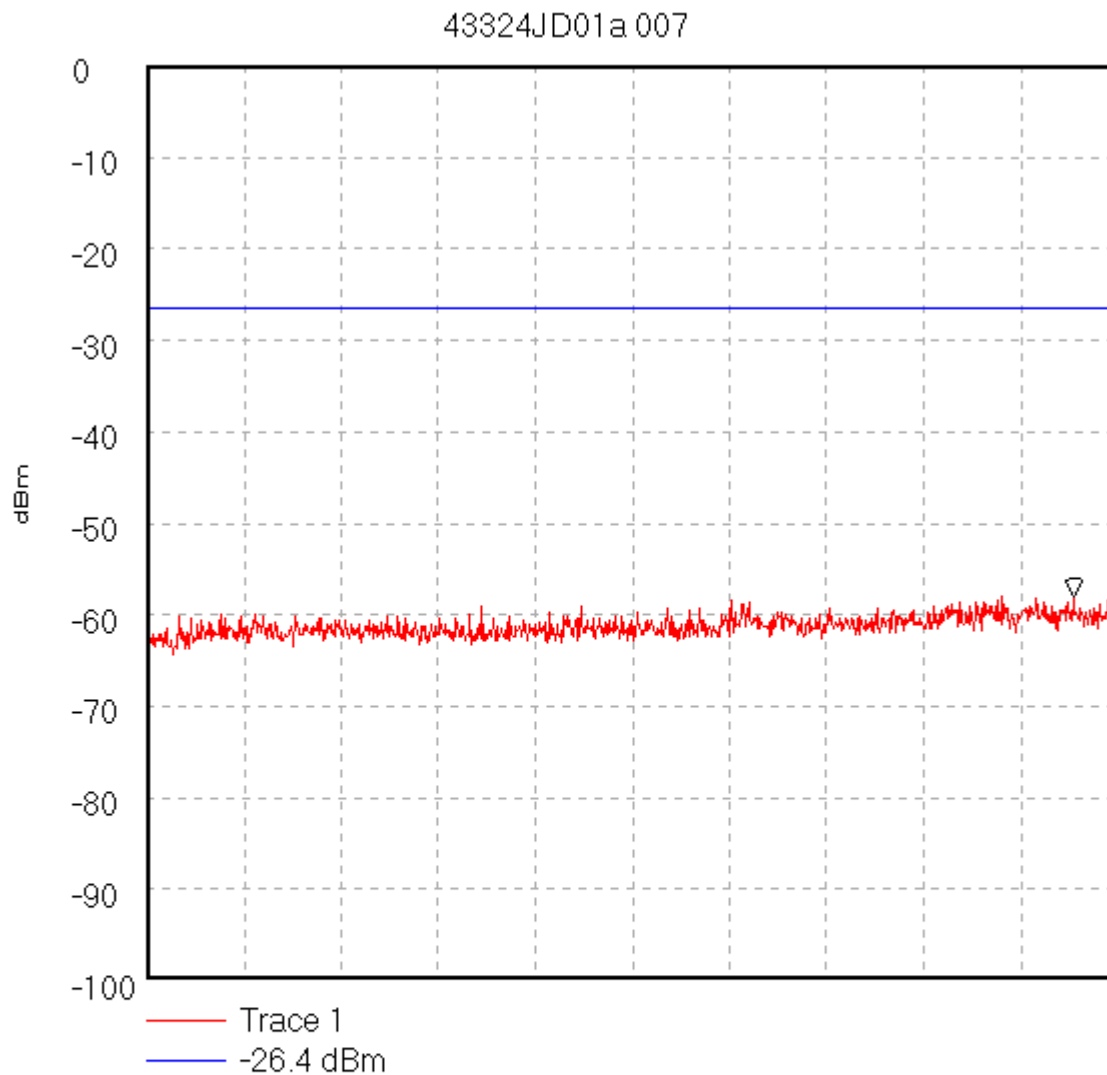
Display Line: 54 dBµV/m;

28/03/02 16:38:48

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\007
Spurious RF Conducted Emissions. (Top Channel)



Start 30.0 MHz; Stop 2.4 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 720.0 mS

Peak 2.295 GHz, -57.97 dBm

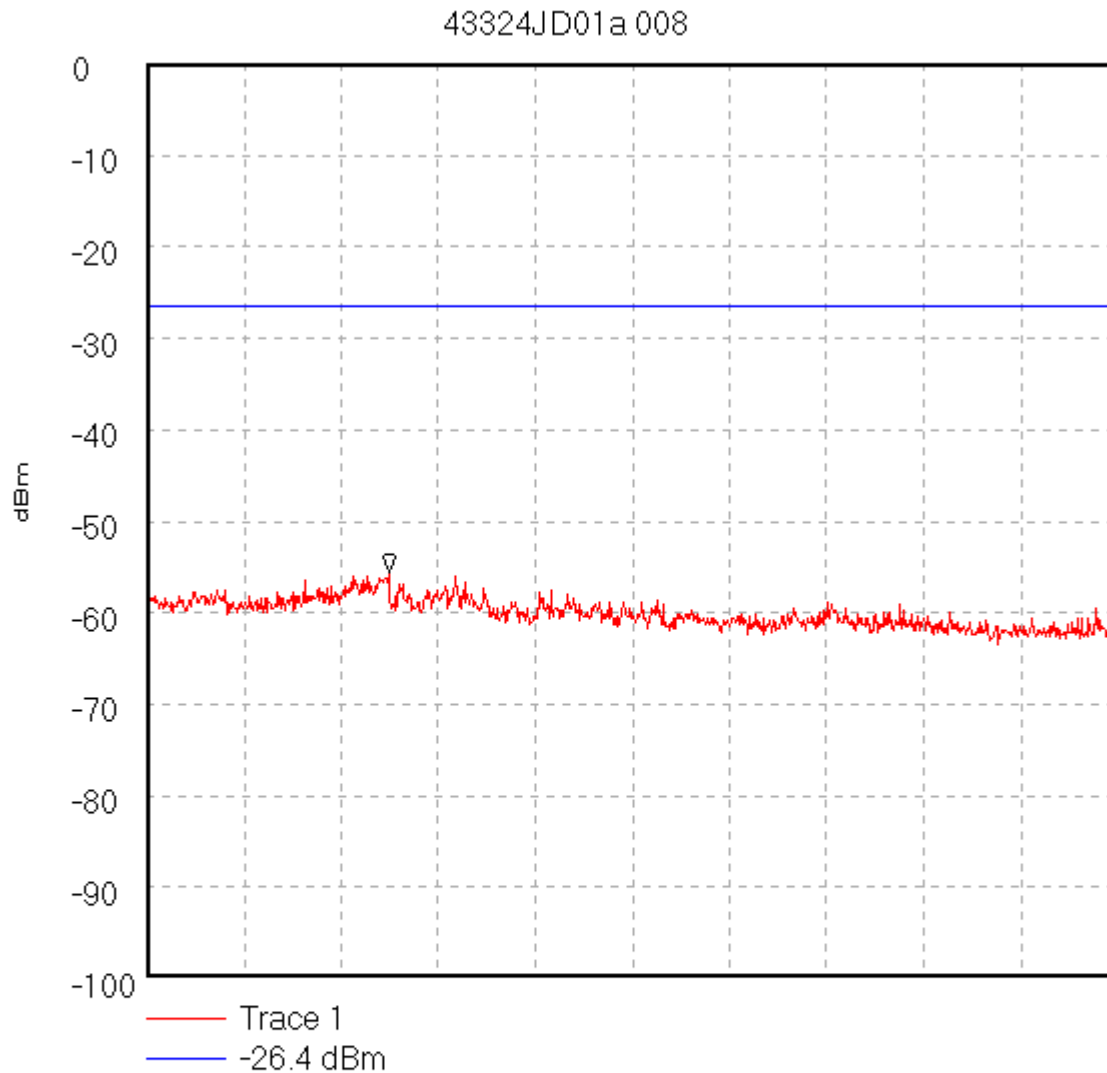
Limit/Mask:

02/04/02 13:04:22

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\008
Spurious RF Conducted Emissions. (Top Channel)



Start 2.484 GHz; Stop 12.5 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 3.2 S

Peak 4.976 GHz, -55.66 dBm

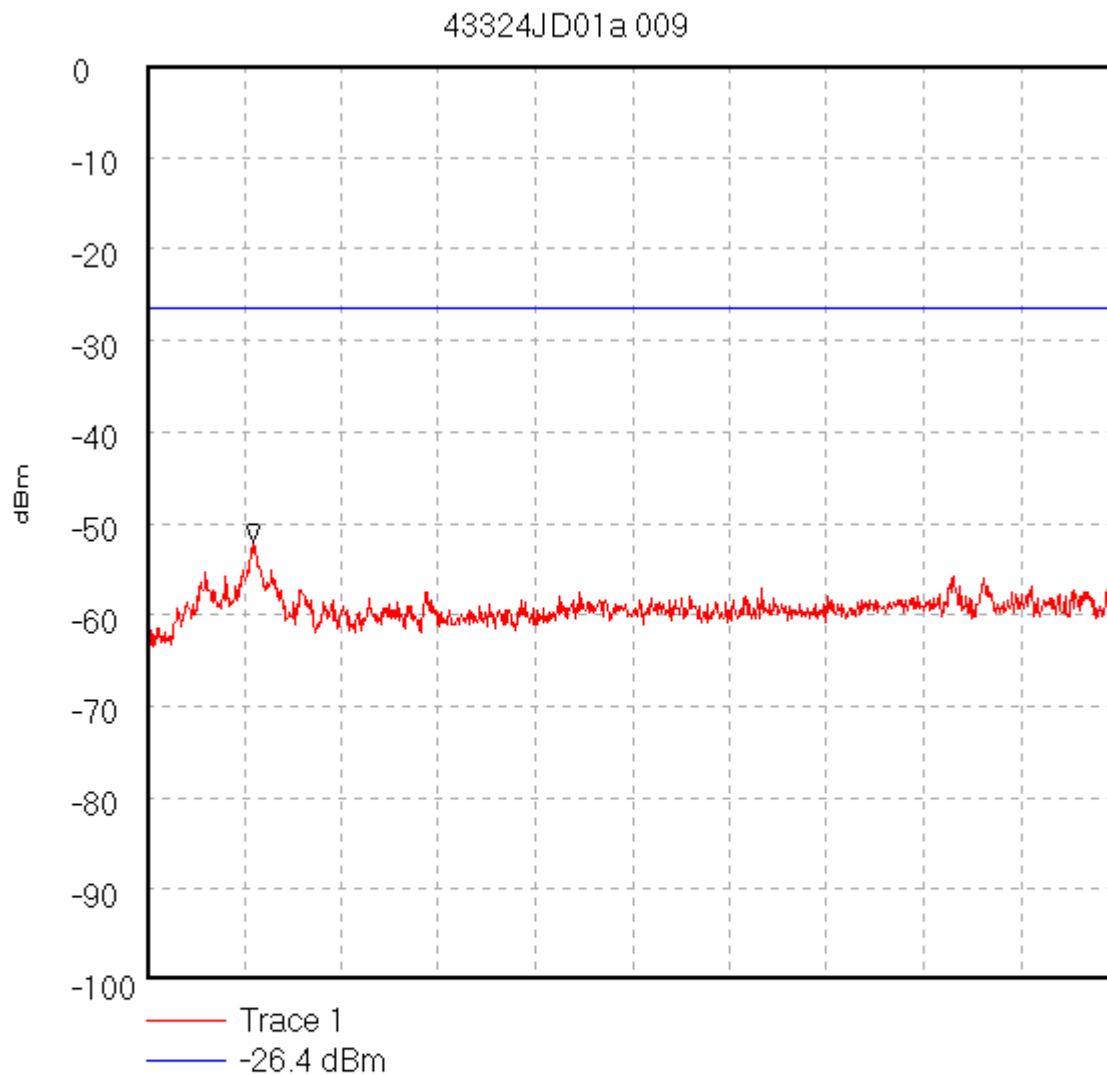
Limit/Mask:

02/04/02 13:18:42

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\009
Spurious RF Conducted Emissions. (Top Channel)



Start 12.5 GHz; Stop 26.5 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 4.2 S

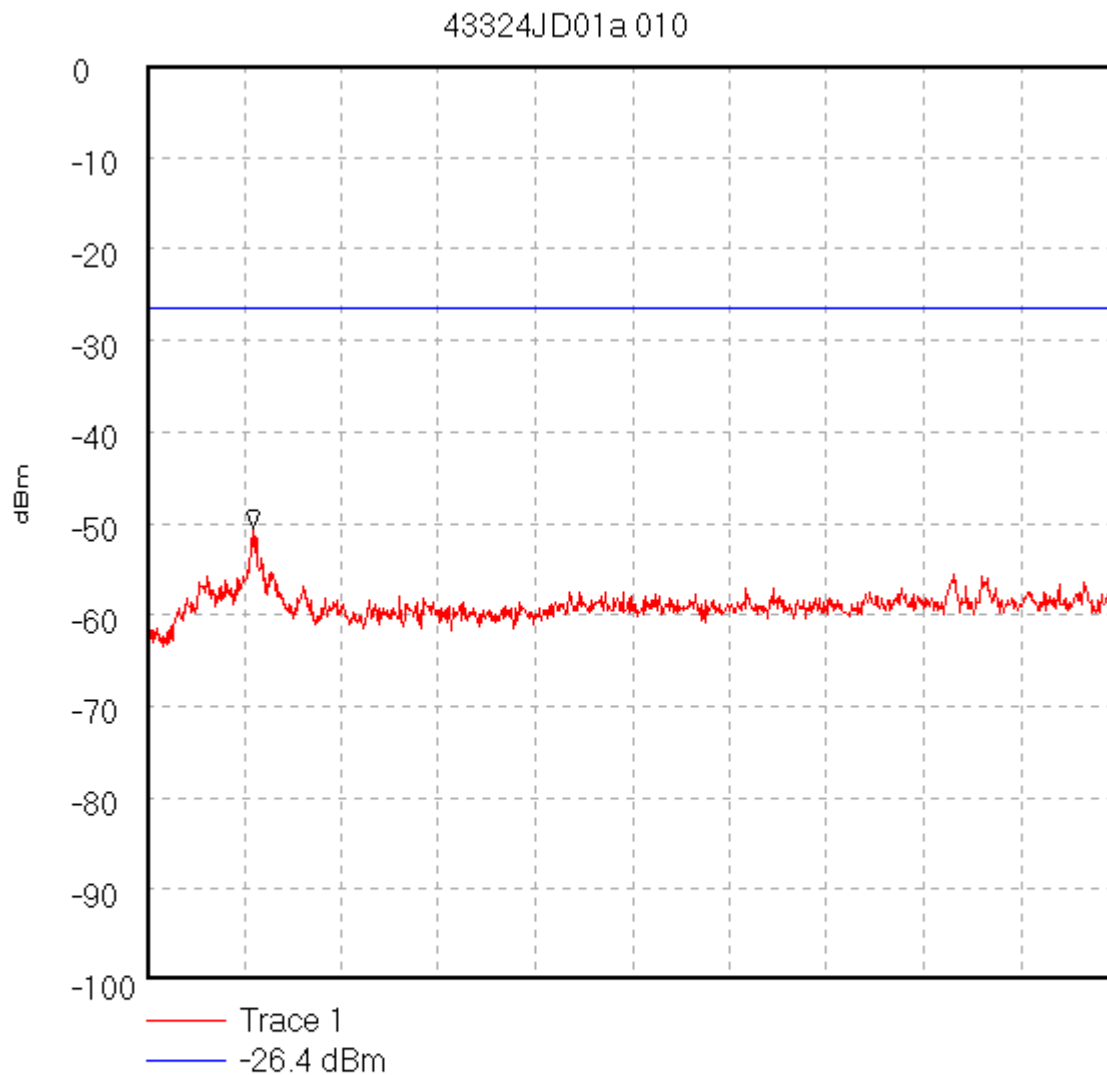
Peak 14.04 GHz, -52.0 dBm

Limit/Mask:

02/04/02 13:19:36

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\010Spurious RF Conducted Emissions. (Middle Channel)

Start 12.5 GHz; Stop 26.5 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 4.2 S

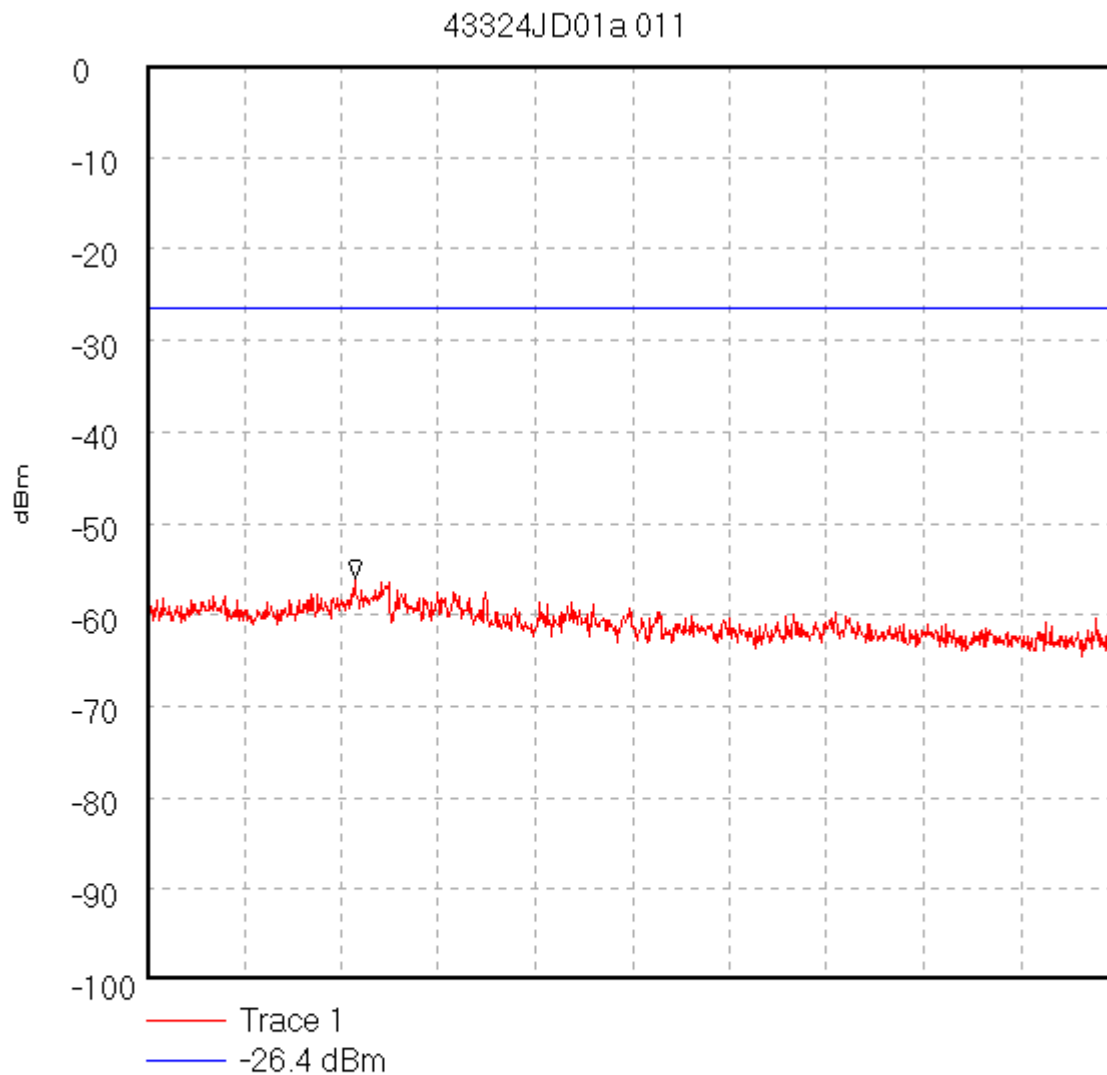
Peak 14.024 GHz, -50.55 dBm

Limit/Mask:

02/04/02 13:21:05

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\011Spurious RF Conducted Emissions. (Middle Channel)

Start 2.484 GHz; Stop 12.5 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 3.2 S

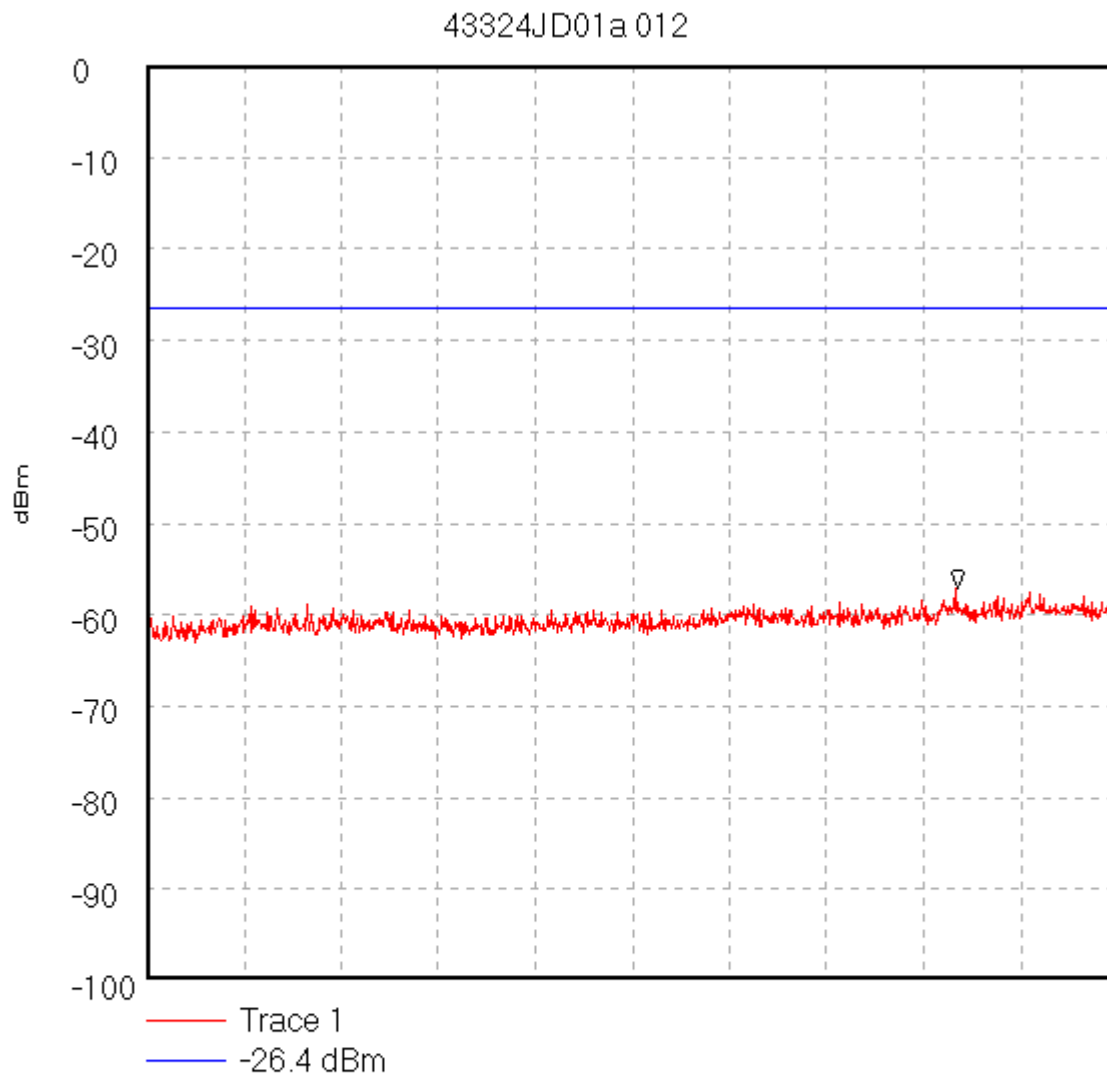
Peak 4.631 GHz, -55.96 dBm

Limit/Mask:

02/04/02 13:22:32

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH43324JD01a\012Spurious RF Conducted Emissions. (Middle Channel)

Start 30.0 MHz; Stop 2.4 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 720.0 mS

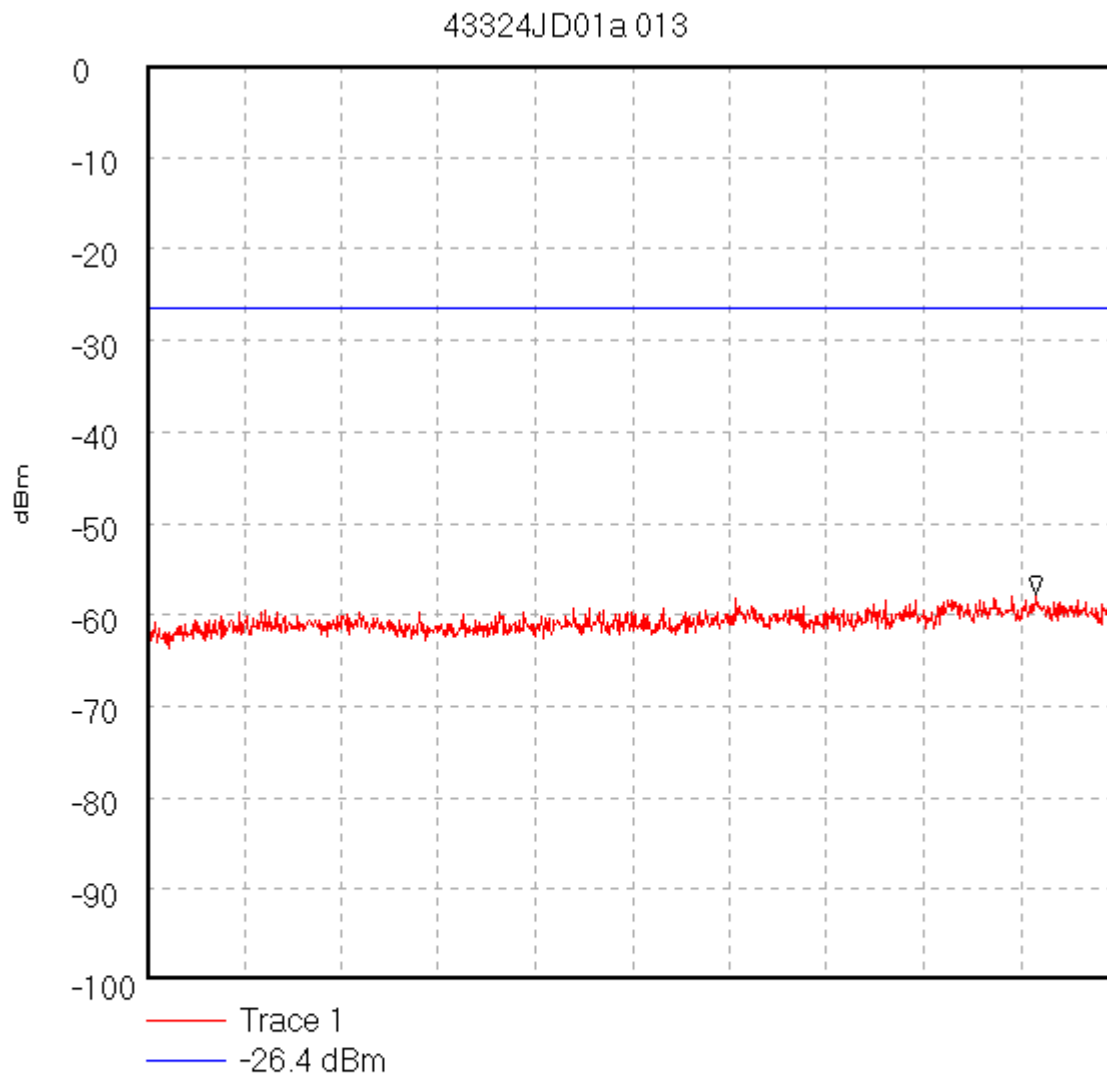
Peak 2.008 GHz, -57.08 dBm

Limit/Mask:

02/04/02 13:23:53

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH43324JD01a\013Spurious RF Conducted Emissions. (Bottom Channel)

Start 30.0 MHz; Stop 2.4 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 720.0 mS

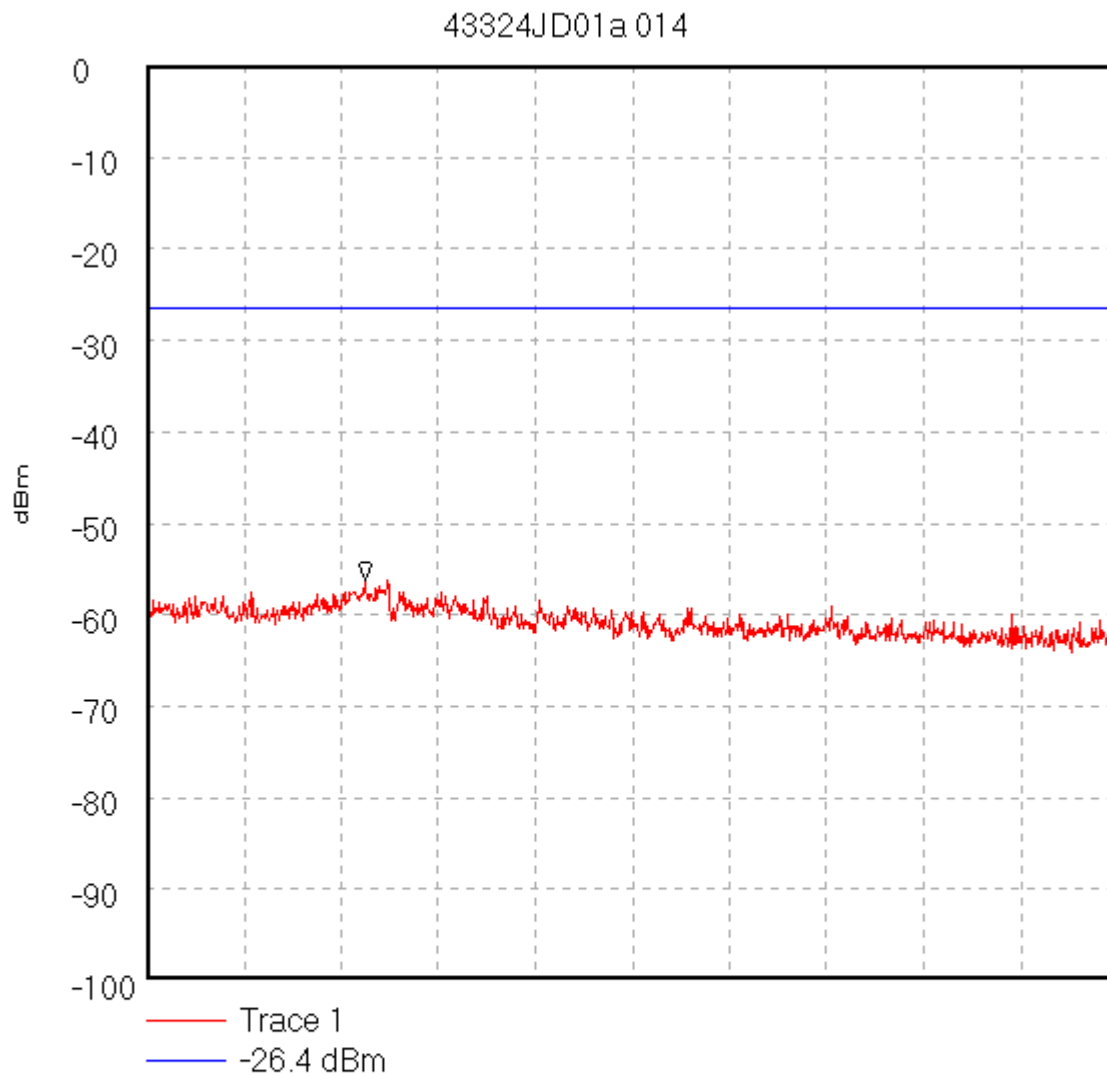
Peak 2.2 GHz, -57.69 dBm

Limit/Mask:

02/04/02 13:24:47

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\014Spurious RF Conducted Emissions. (Bottom Channel)

Start 2.484 GHz; Stop 12.5 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 3.2 S

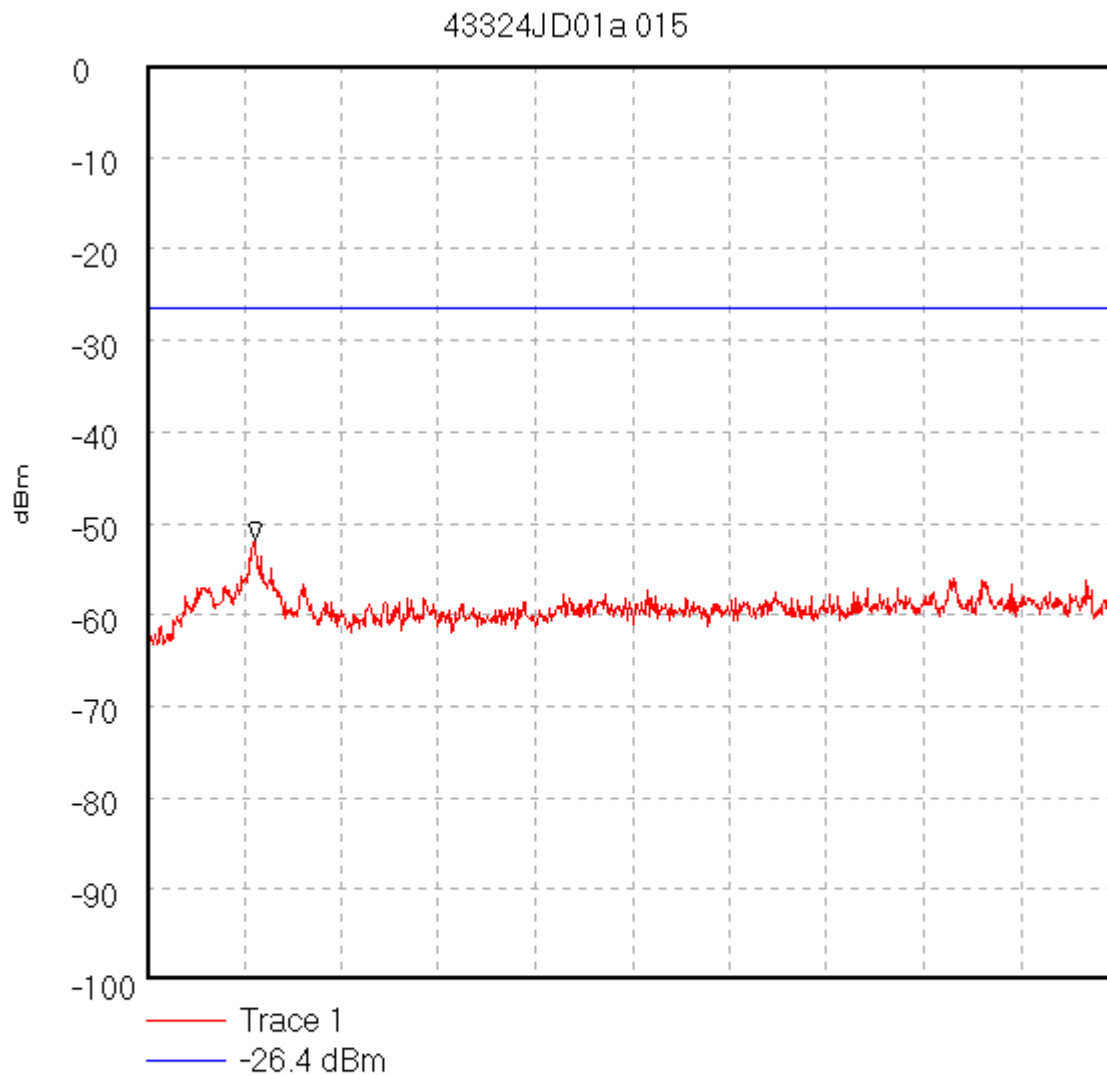
Peak 4.732 GHz, -56.17 dBm

Limit/Mask:

02/04/02 13:26:03

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\015Spurious RF Conducted Emissions. (Bottom Channel)

Start 12.5 GHz; Stop 26.5 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 4.2 S

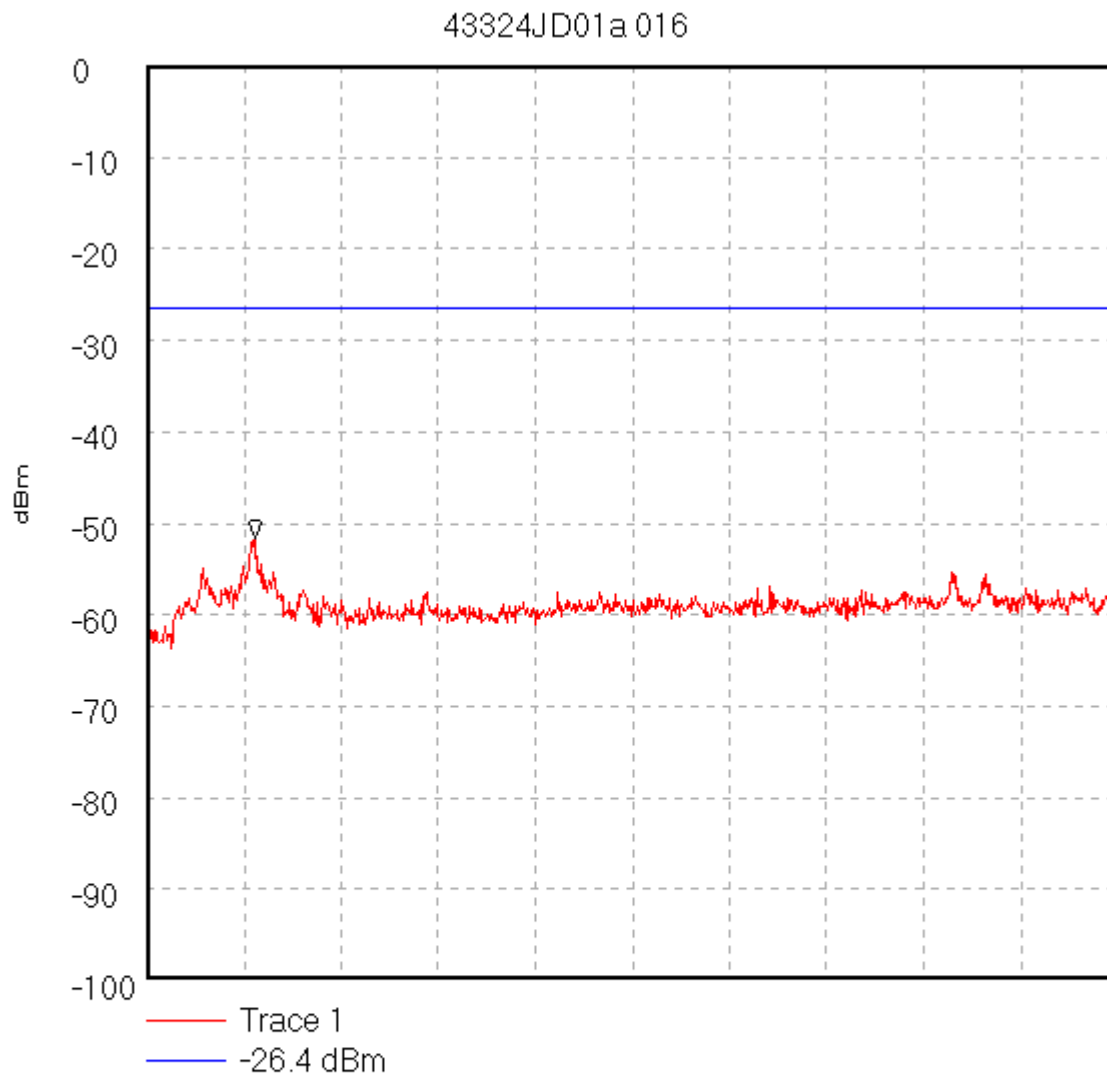
Peak 14.056 GHz, -51.9 dBm

Limit/Mask:

02/04/02 13:27:02

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH43324JD01a\016Spurious RF Conducted Emissions. (Hopping Mode)

Start 12.5 GHz; Stop 26.5 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 4.2 S

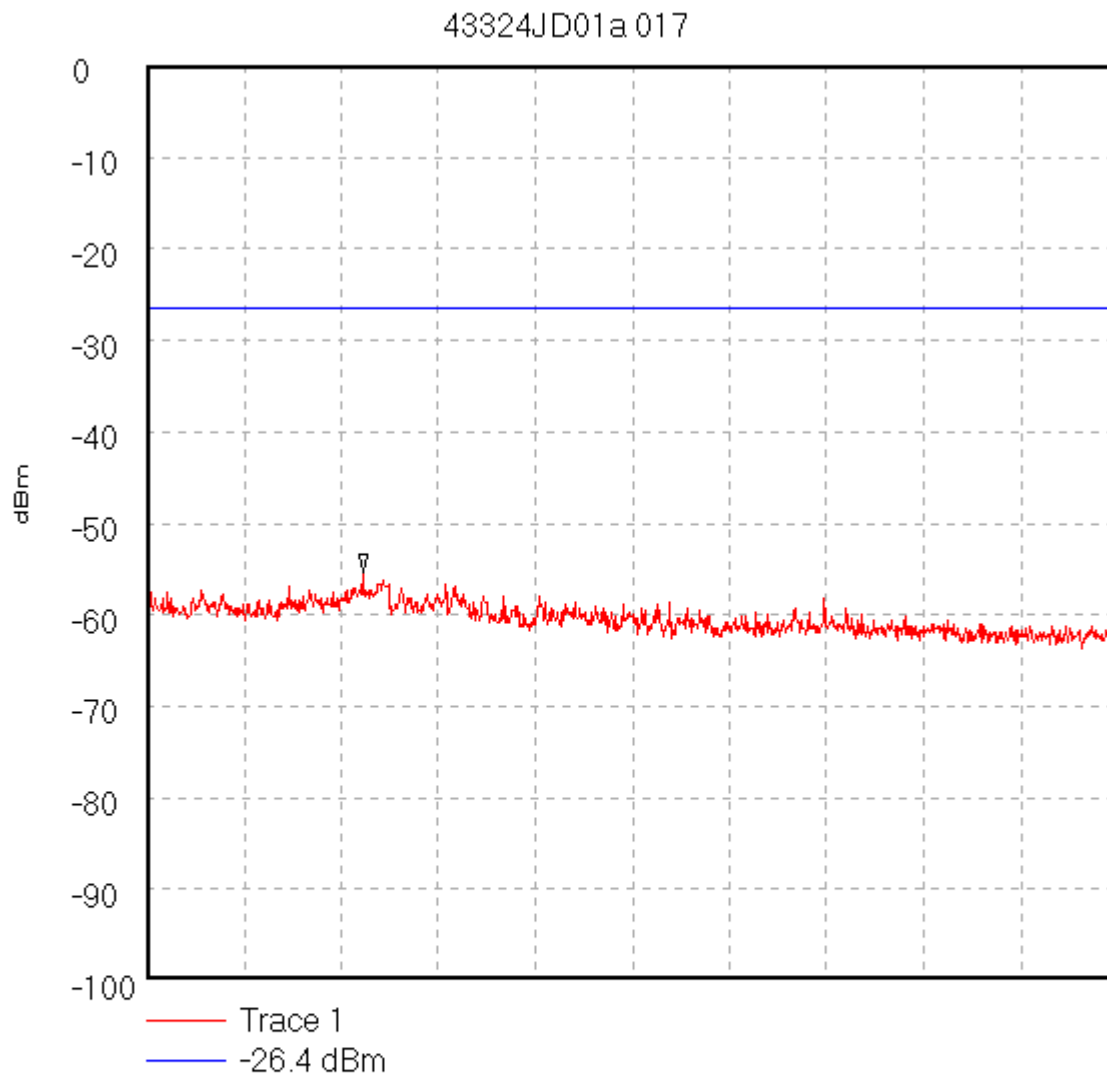
Peak 14.056 GHz, -51.67 dBm

Limit/Mask:

02/04/02 13:28:34

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01a\017Spurious RF Conducted Emissions. (Hopping Mode)

Start 2.484 GHz; Stop 12.5 GHz

Ref 0 dBm; Ref Offset 31.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 3.2 S

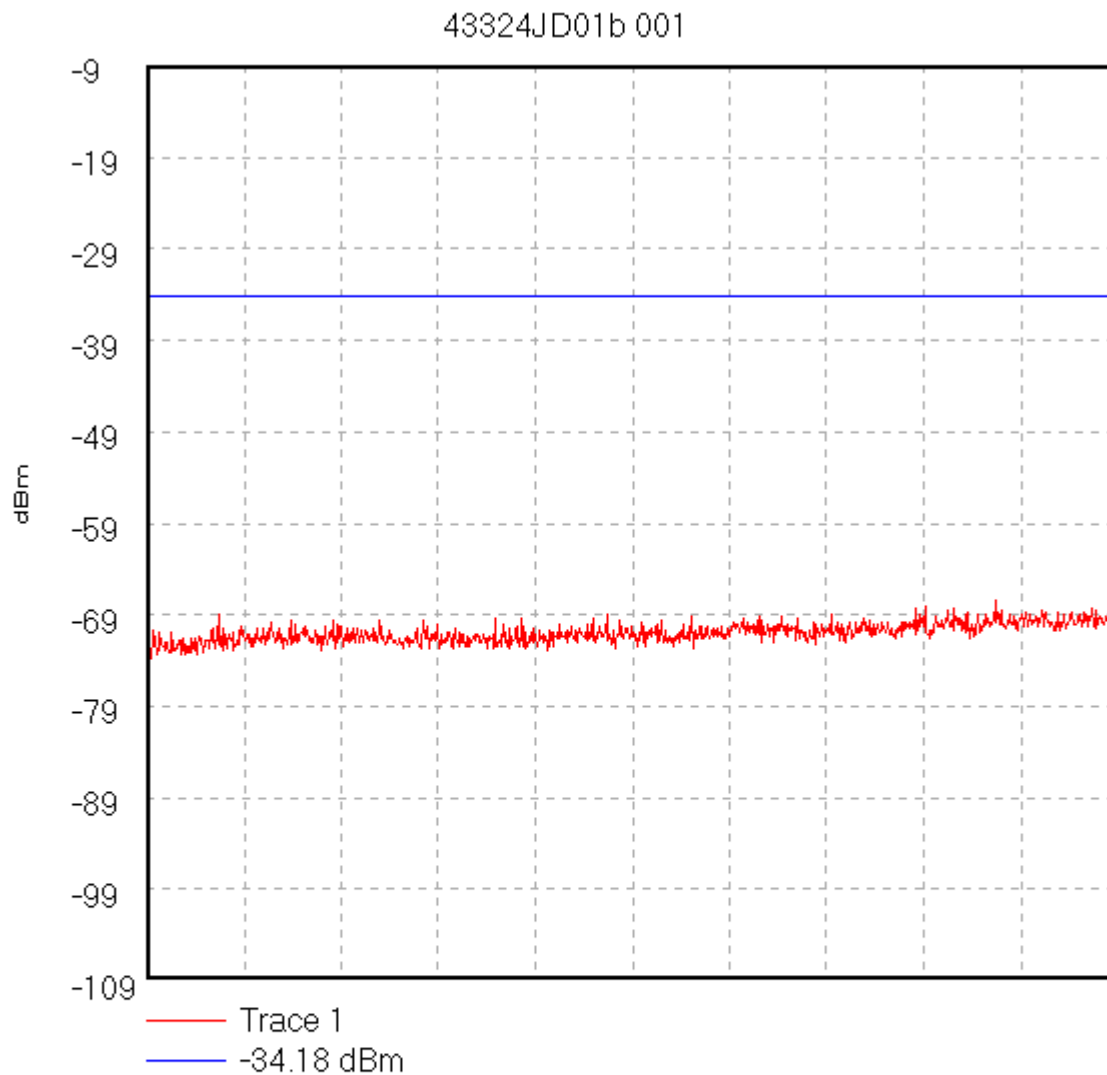
Peak 4.709 GHz, -55.48 dBm

Limit/Mask:

02/04/02 13:30:23

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\001Spurious RF Conducted Emissions. (Bottom Channel)

Start 30.0 MHz; Stop 2.4 GHz

Ref -9 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 720.0 mS

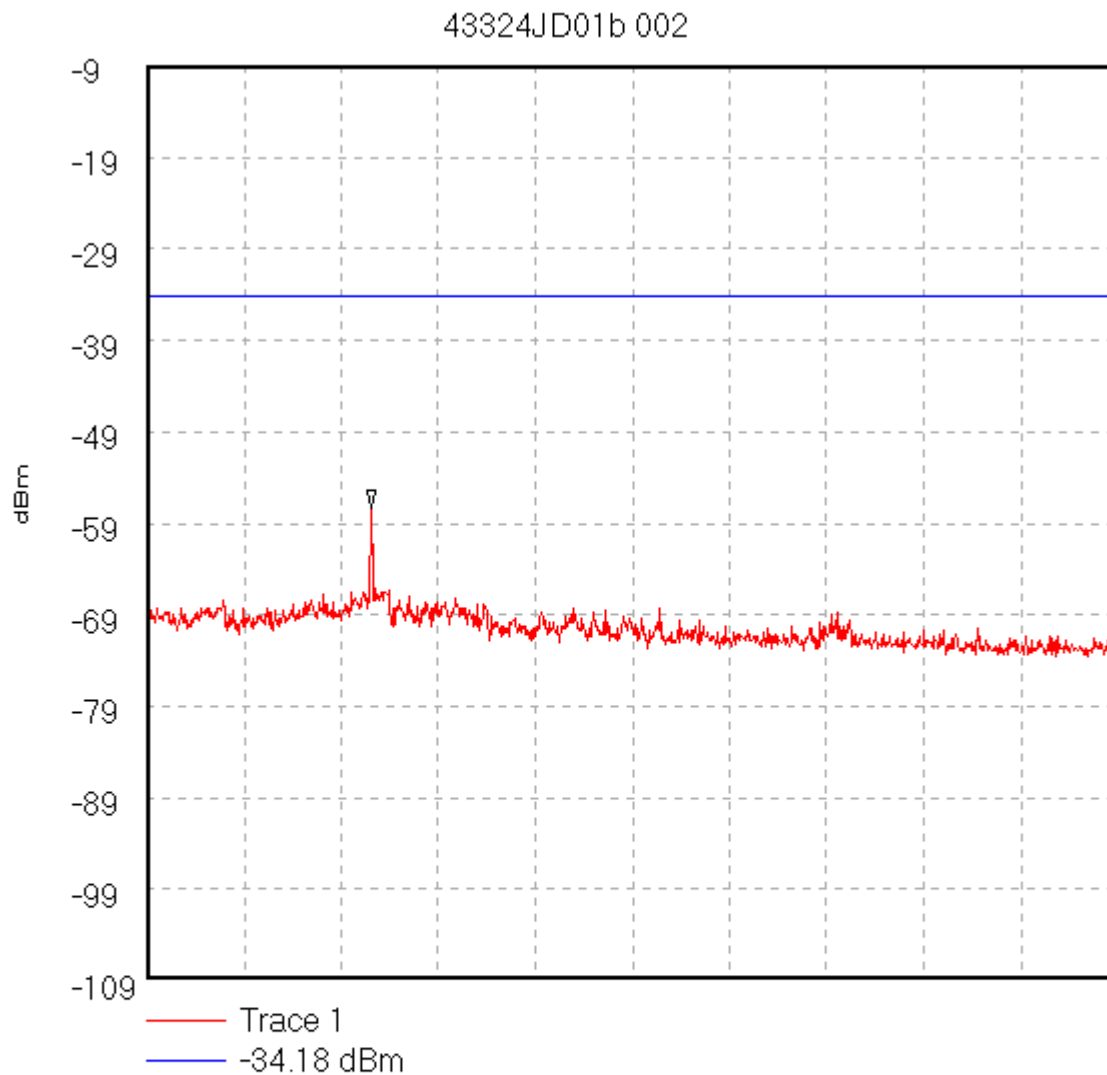
Peak 2.4 GHz, -64.76 dBm

Display Line: -34.18 dBm;

03/04/02 10:50:18

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\002Spurious RF Conducted Emissions. (Bottom Channel)

Start 2.484 GHz; Stop 12.5 GHz

Ref -9 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 3.2 S

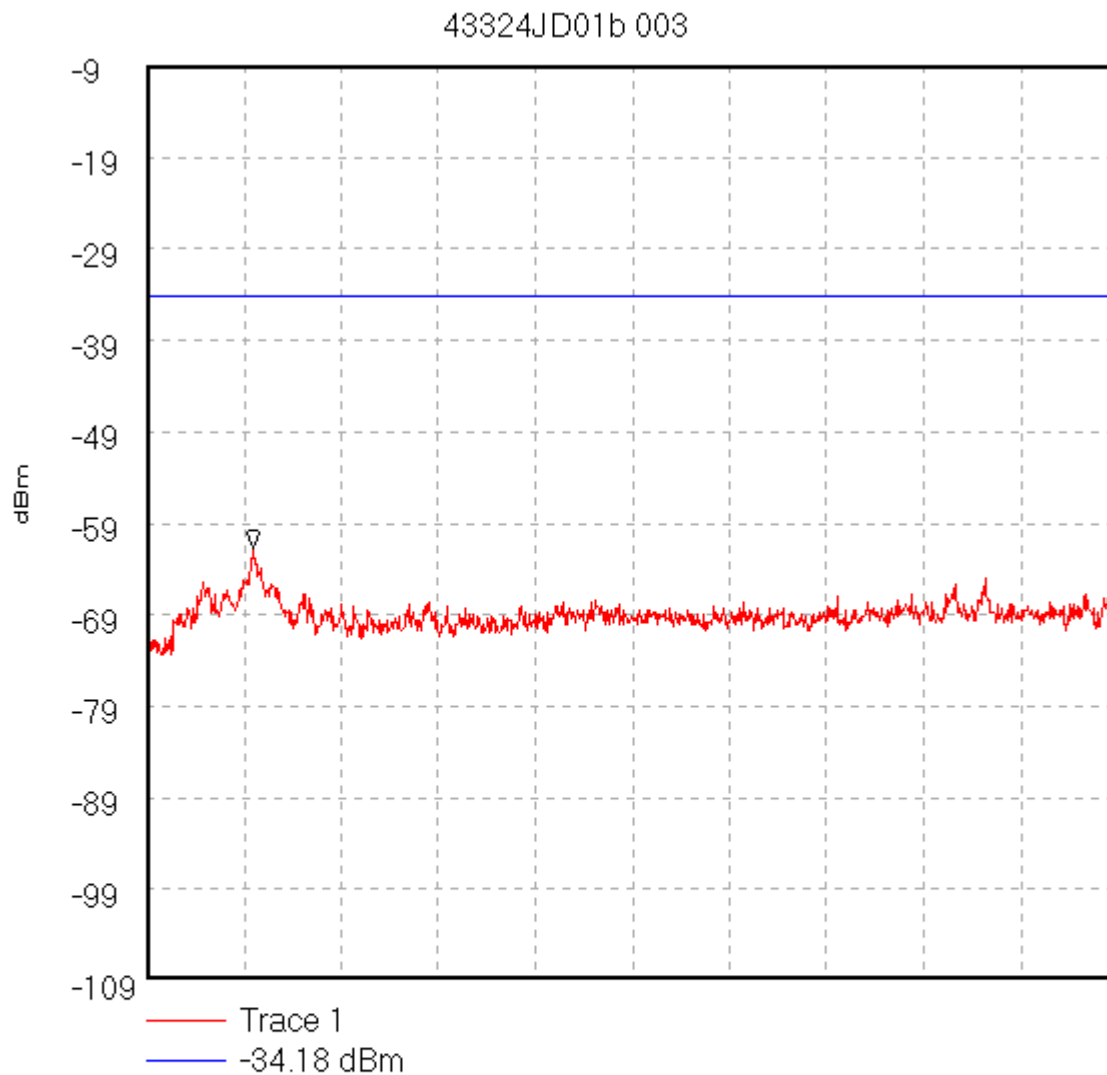
Peak 4.798 GHz, -57.47 dBm

Display Line: -34.18 dBm;

03/04/02 10:51:32

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\003Spurious RF Conducted Emissions. (Bottom Channel)

Start 12.5 GHz; Stop 26.5 GHz

Ref -9 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 4.2 S

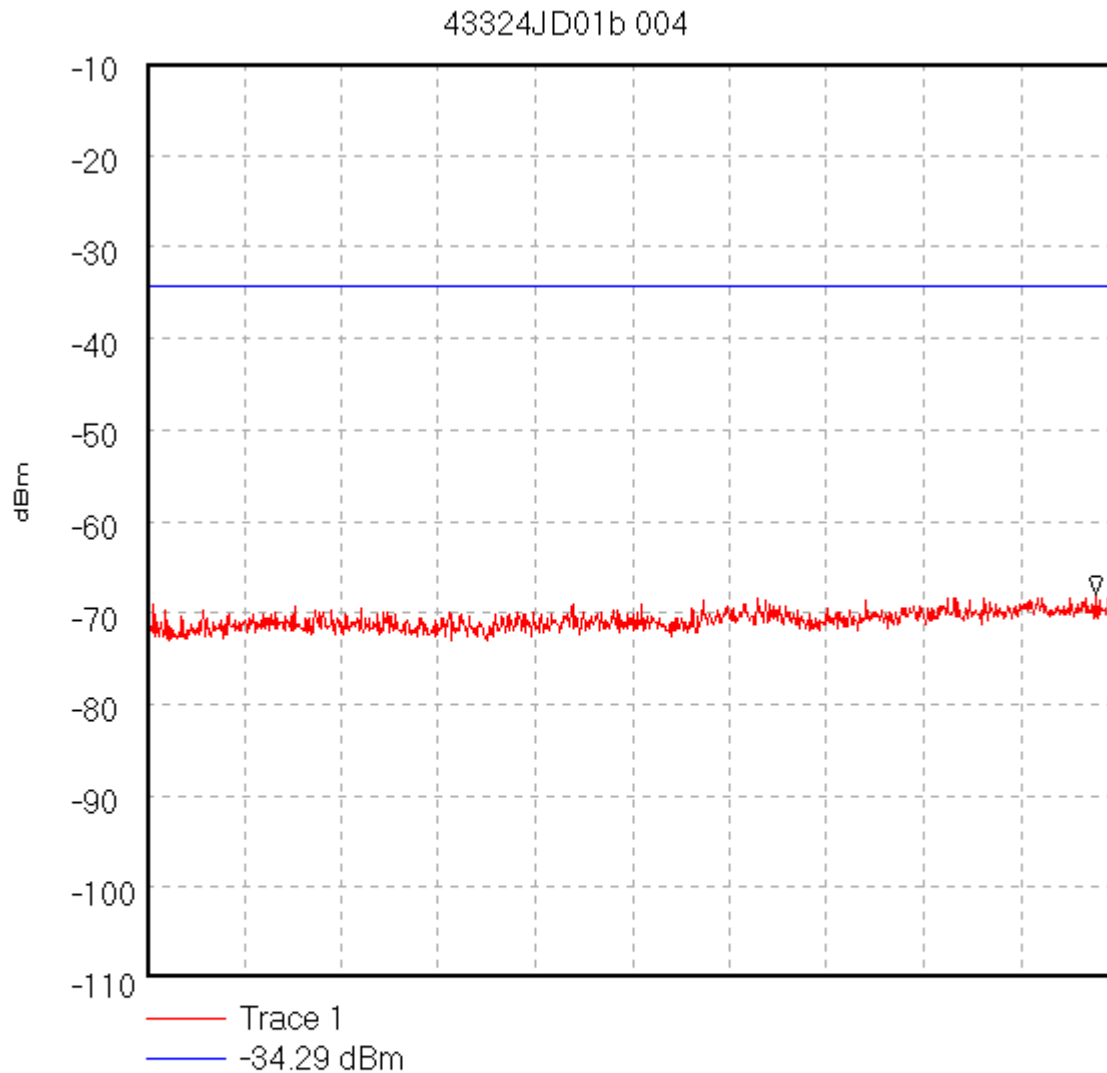
Peak 14.024 GHz, -61.81 dBm

Display Line: -34.18 dBm;

03/04/02 10:53:00

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\004Spurious RF Conducted Emissions. (Middle Channel)

Start 30.0 MHz; Stop 2.4 GHz

Ref -10 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 720.0 mS

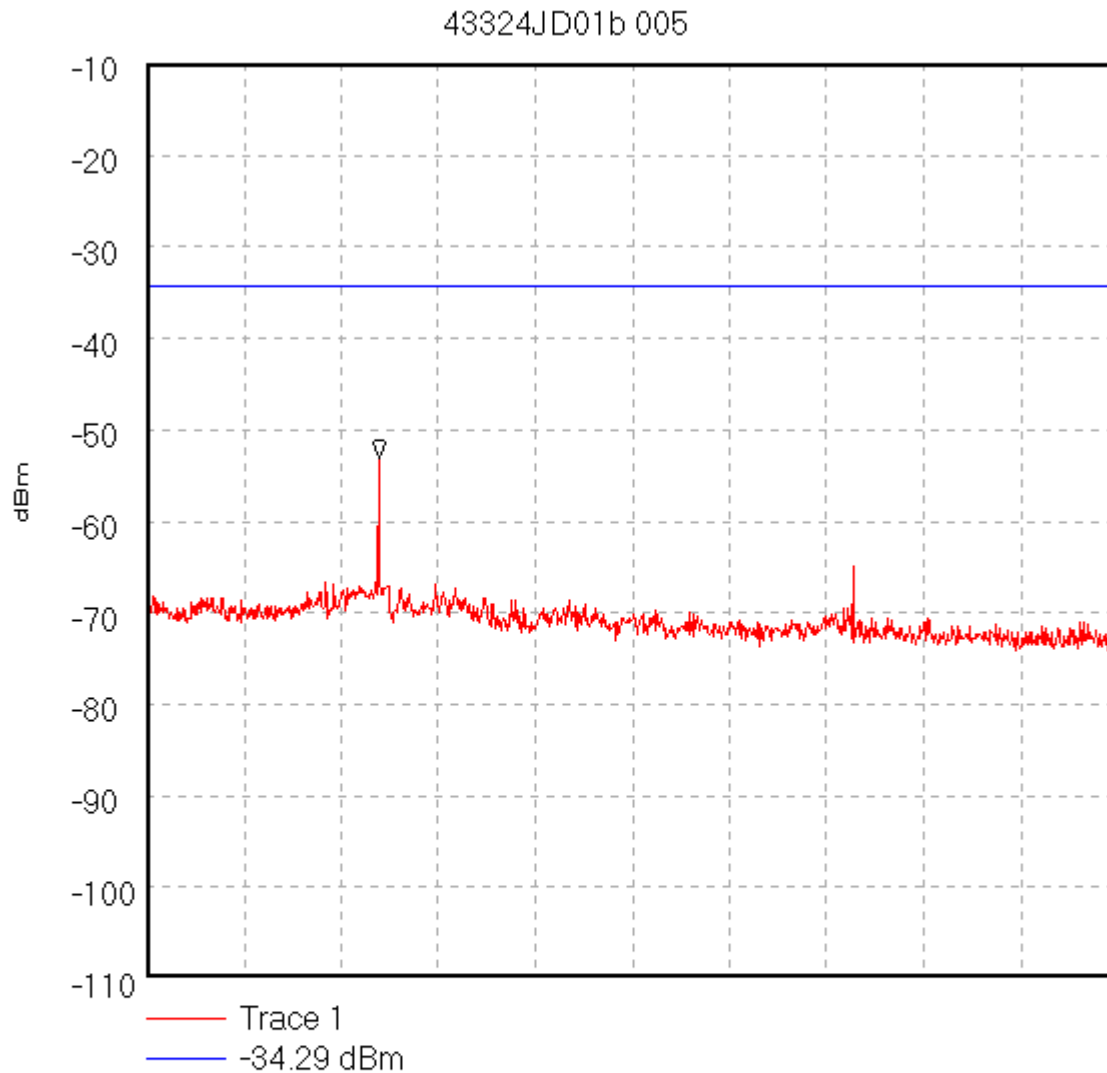
Peak 2.347 GHz, -68.04 dBm

Display Line: -34.29 dBm;

03/04/02 10:56:13

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\005Spurious RF Conducted Emissions. (Middle Channel)

Start 2.484 GHz; Stop 12.5 GHz

Ref -10 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 3.2 S

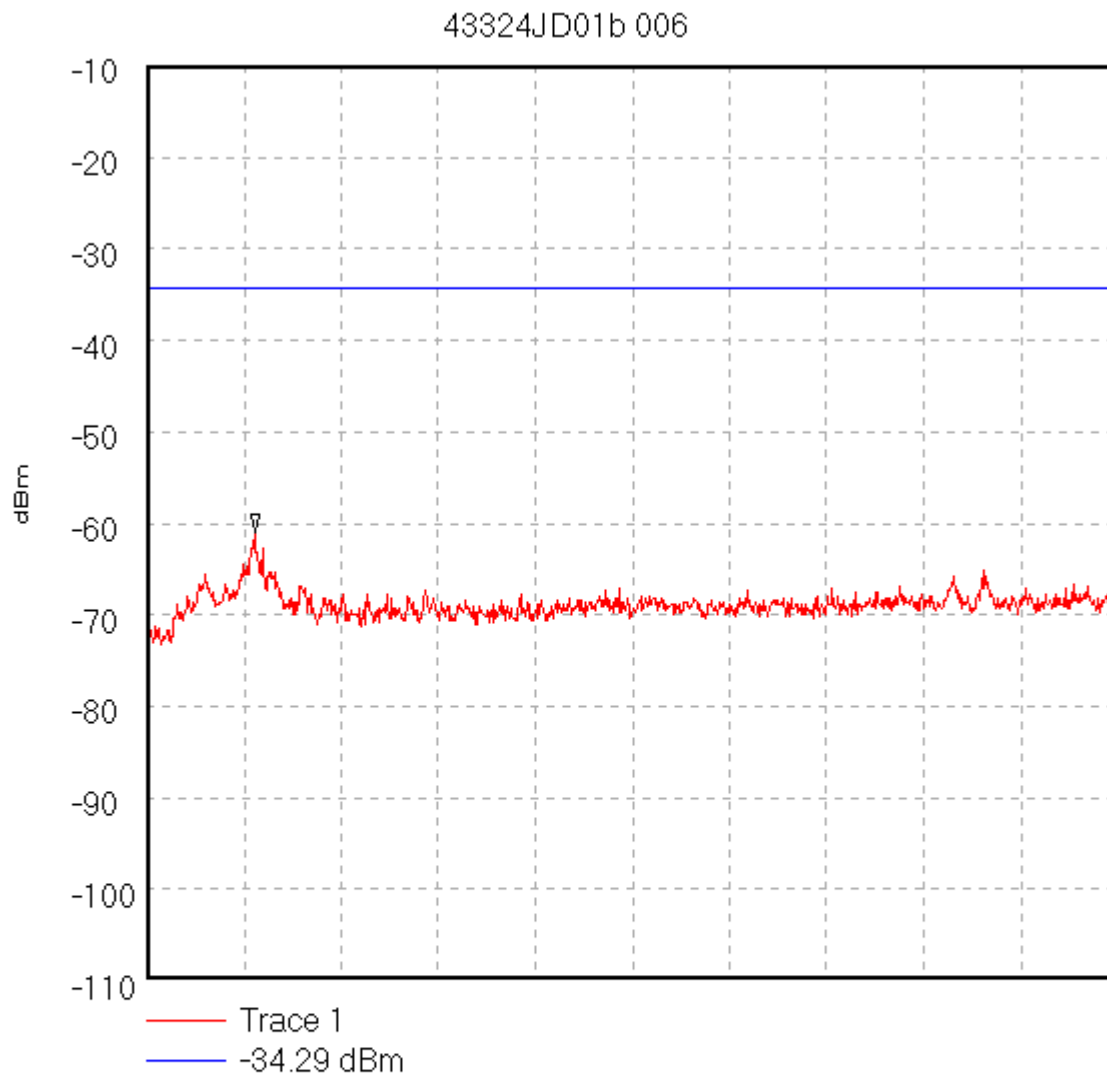
Peak 4.876 GHz, -53.14 dBm

Display Line: -34.29 dBm;

03/04/02 10:57:10

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\006Spurious RF Conducted Emissions. (Middle Channel)

Start 12.5 GHz; Stop 26.5 GHz

Ref -10 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 4.2 S

Peak 14.056 GHz, -61.11 dBm

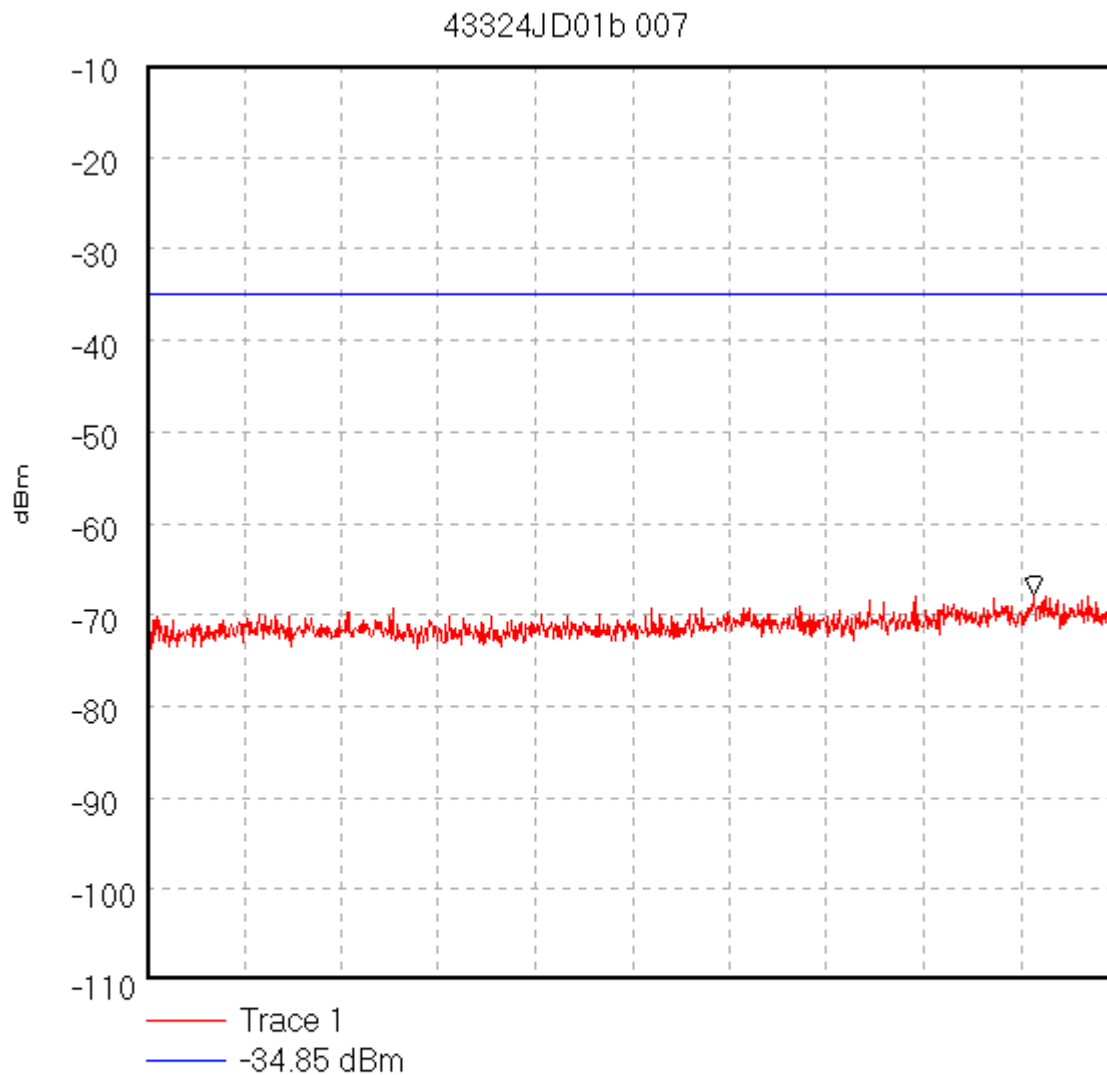
Display Line: -34.29 dBm;

03/04/02 10:58:27

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\007
Spurious RF Conducted Emissions. (Top Channel)



Start 30.0 MHz; Stop 2.4 GHz

Ref -10 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 720.0 mS

Peak 2.197 GHz, -67.71 dBm

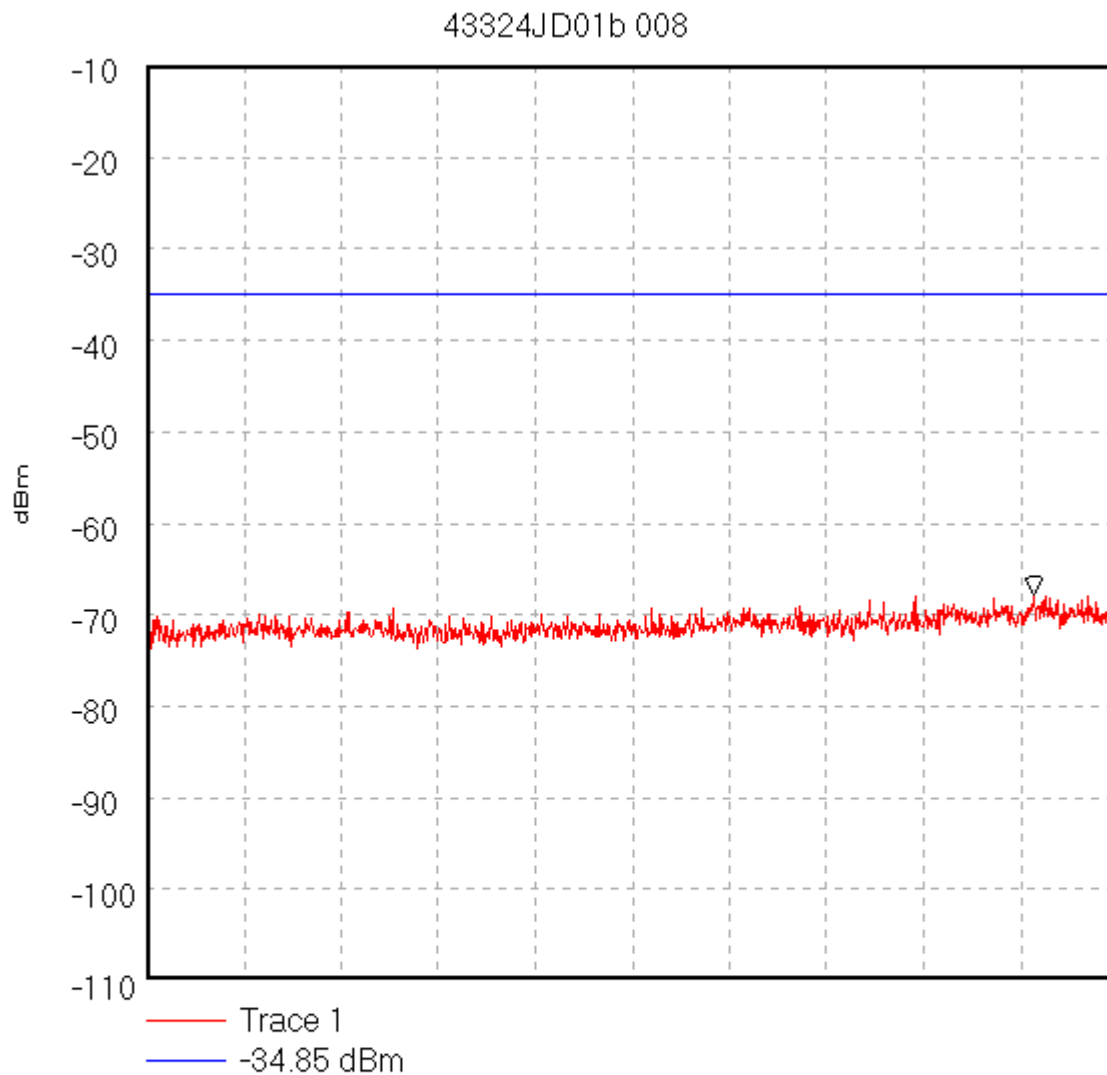
Display Line: -34.85 dBm;

03/04/02 11:00:30

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\008
Spurious RF Conducted Emissions. (Top Channel)



Start 30.0 MHz; Stop 2.4 GHz

Ref -10 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 720.0 mS

Peak 2.197 GHz, -67.71 dBm

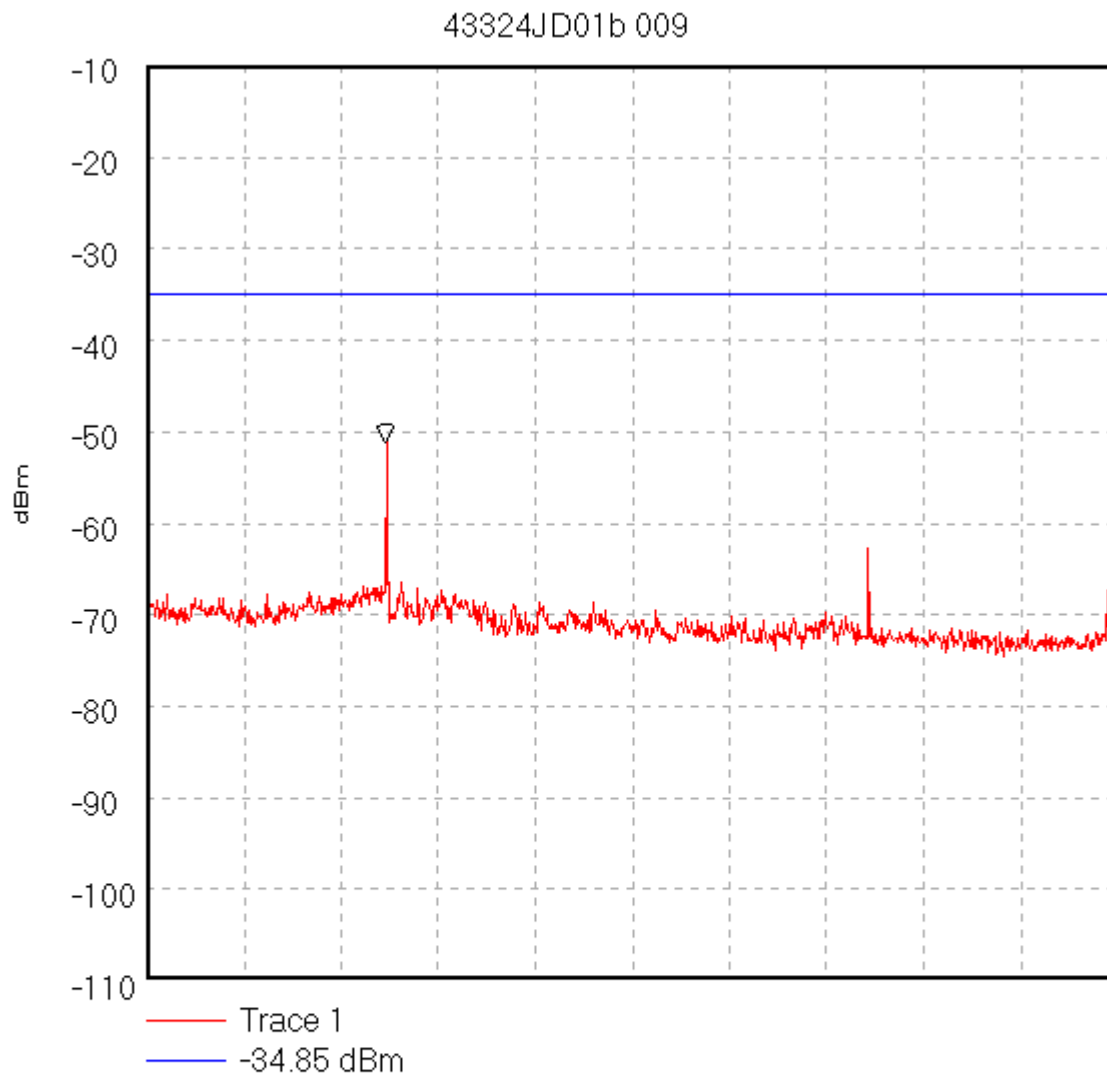
Display Line: -34.85 dBm;

03/04/02 11:00:56

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\009
Spurious RF Conducted Emissions. (Top Channel)



Start 2.484 GHz; Stop 12.5 GHz

Ref -10 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 3.2 S

Peak 4.954 GHz, -51.21 dBm

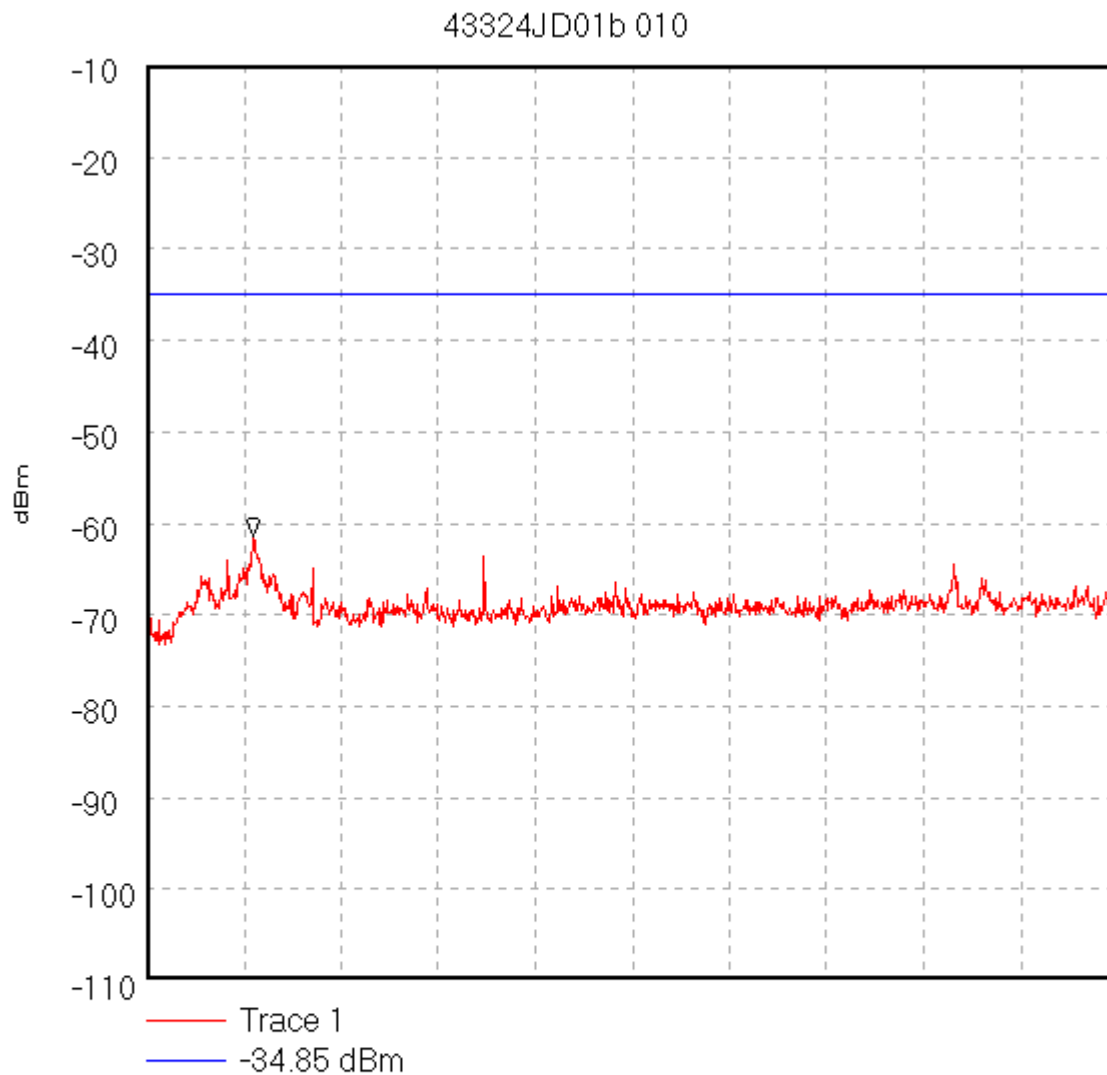
Display Line: -34.85 dBm;

03/04/02 11:03:41

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\010
Spurious RF Conducted Emissions. (Top Channel)



Start 12.5 GHz; Stop 26.5 GHz

Ref -10 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 4.2 S

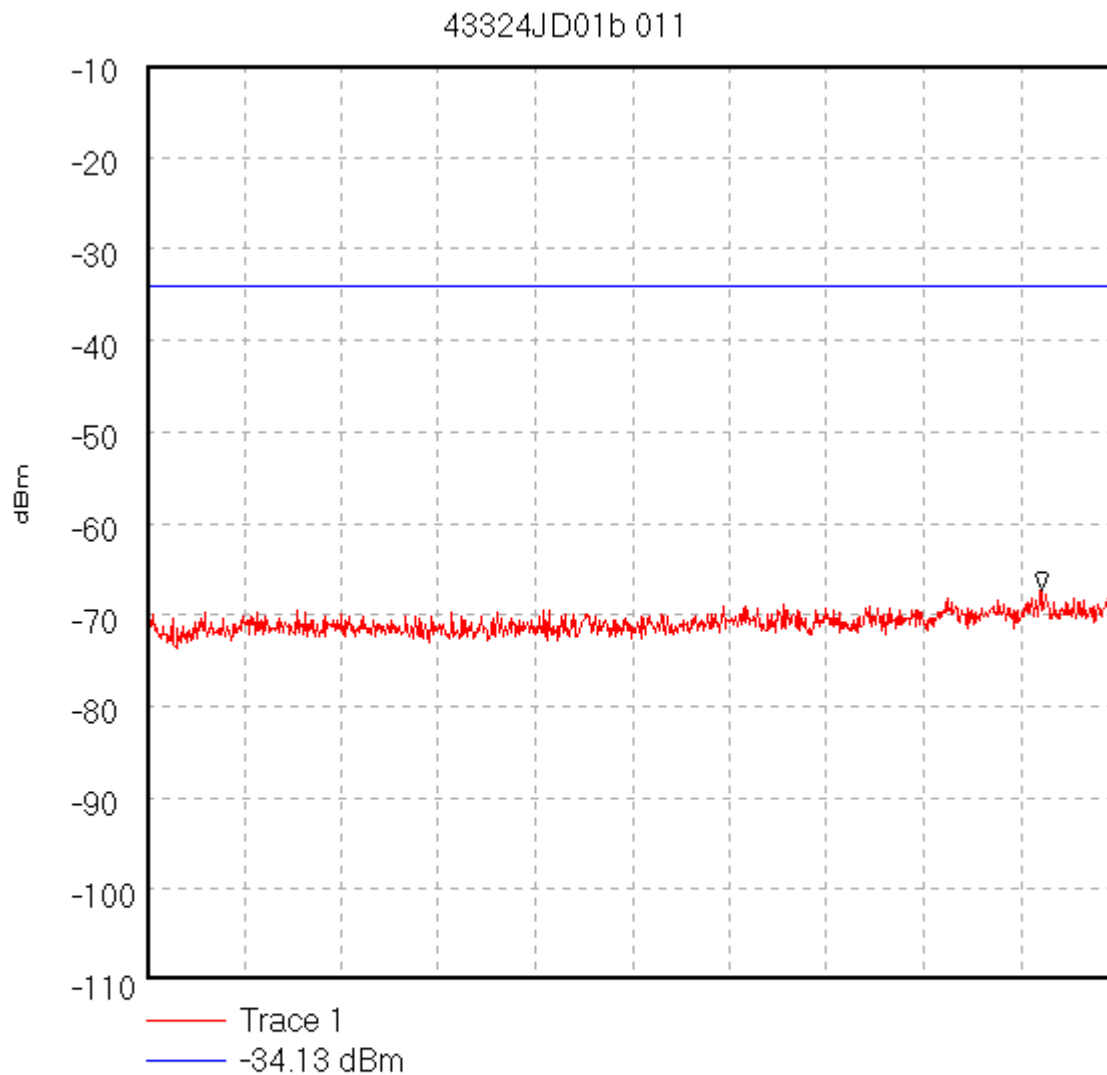
Peak 14.04 GHz, -61.49 dBm

Display Line: -34.85 dBm;

03/04/02 11:05:20

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\011Spurious RF Conducted Emissions. (Hopping Mode)

Start 30.0 MHz; Stop 2.4 GHz

Ref -10 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 720.0 mS

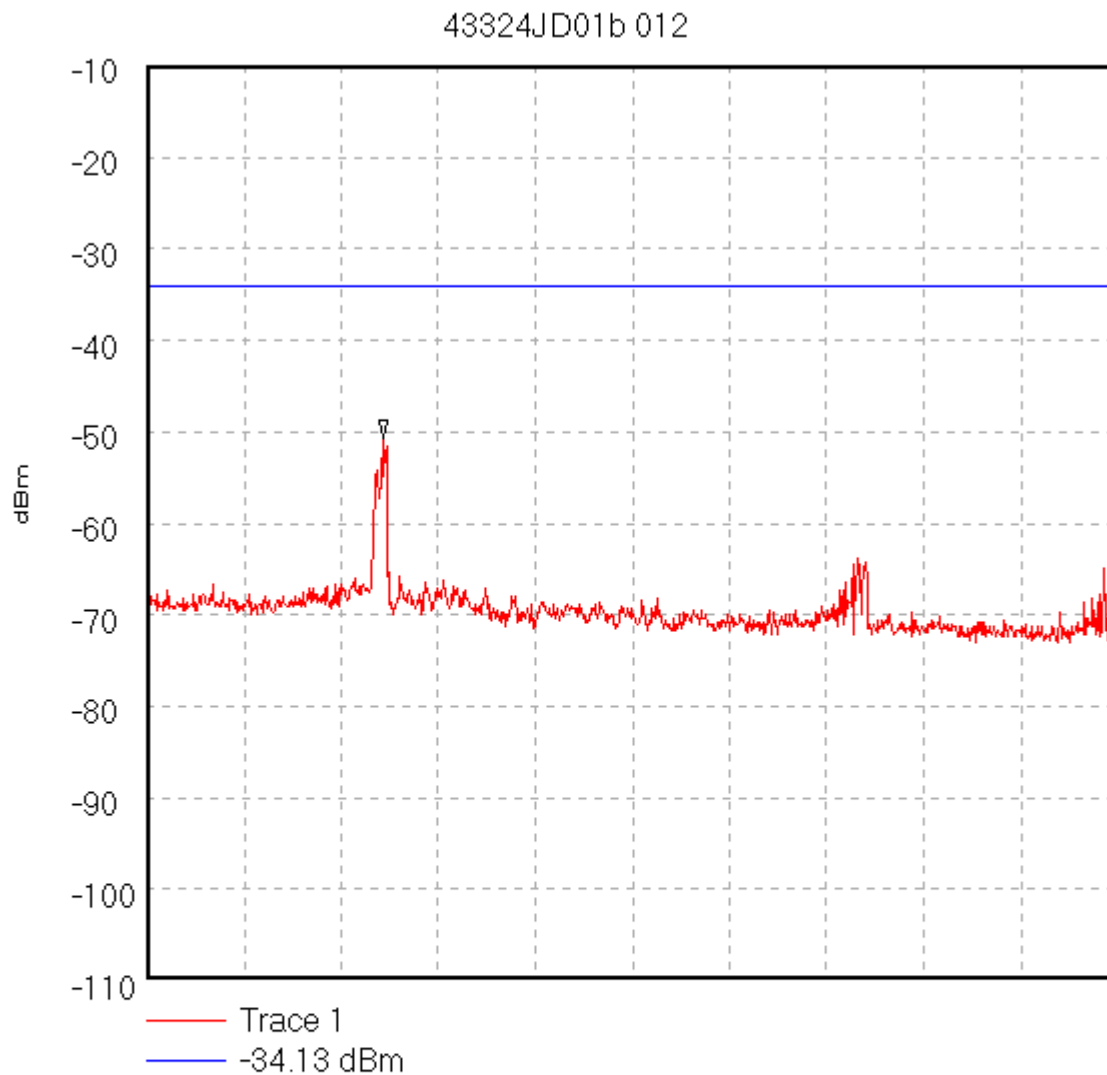
Peak 2.213 GHz, -67.31 dBm

Display Line: -34.13 dBm;

03/04/02 11:07:42

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\012Spurious RF Conducted Emissions. (Hopping Mode)

Start 2.484 GHz; Stop 12.5 GHz

Ref -10 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 3.2 S

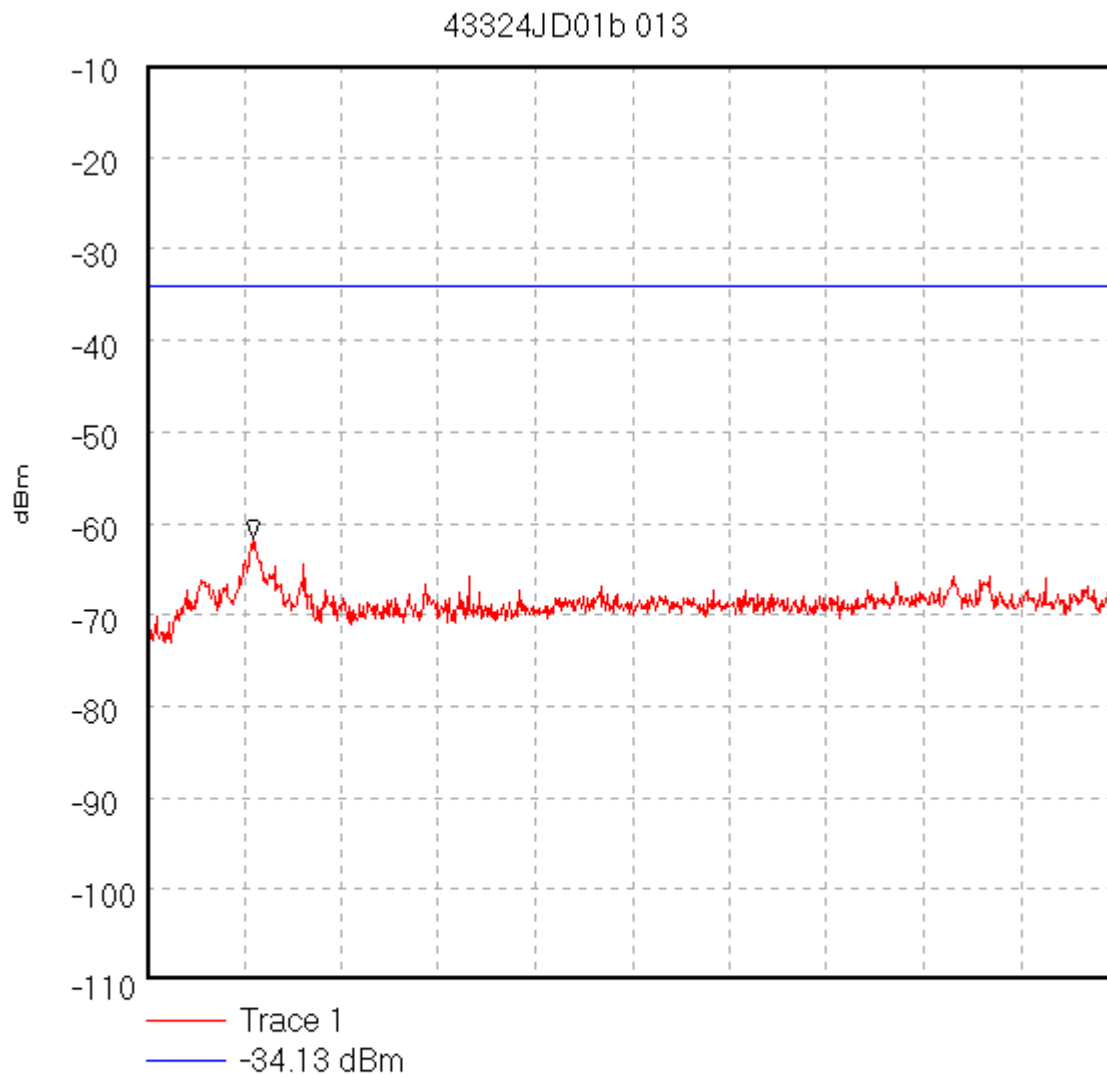
Peak 4.921 GHz, -50.83 dBm

Display Line: -34.13 dBm;

03/04/02 11:10:35

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324JD01b\013Spurious RF Conducted Emissions. (Hopping Mode)

Start 12.5 GHz; Stop 26.5 GHz

Ref -10 dBm; Ref Offset 21.0 dB; 10 dB/div

RBW 100.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 4.2 S

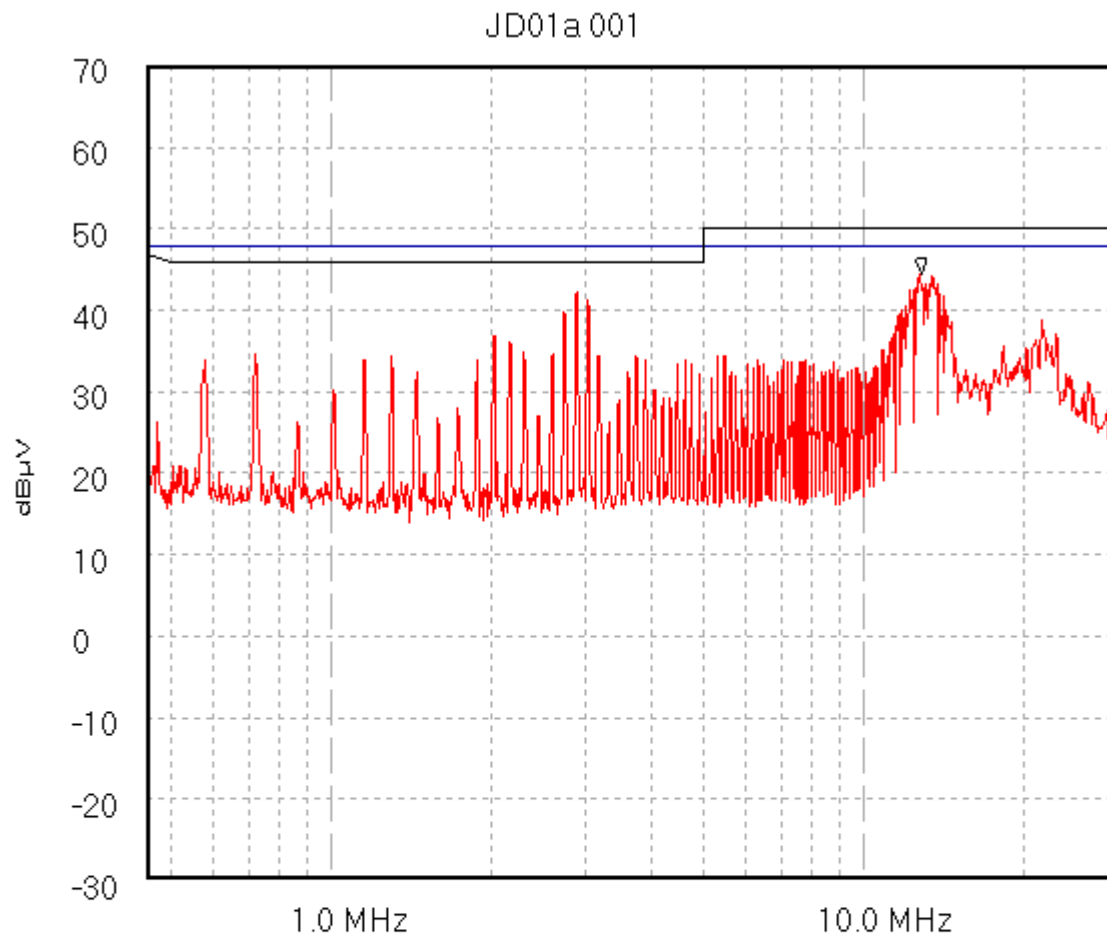
Peak 14.04 GHz, -61.62 dBm

Display Line: -34.13 dBm;

03/04/02 11:12:44

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\001Conducted Emissions. (Receive Mode) (Live And Neutral)

Trace 1
15_107_Class_B_QP
EN55022_B_Av

Start 450.0 kHz; Stop 30.0 MHz - Log Scale

Ref 70 dBμV; Ref Offset 0.0 dB; 10 dB/div

RBW 9.0 kHz; VBW 10.0 kHz; Att 10 dB; Swp 2.2 S

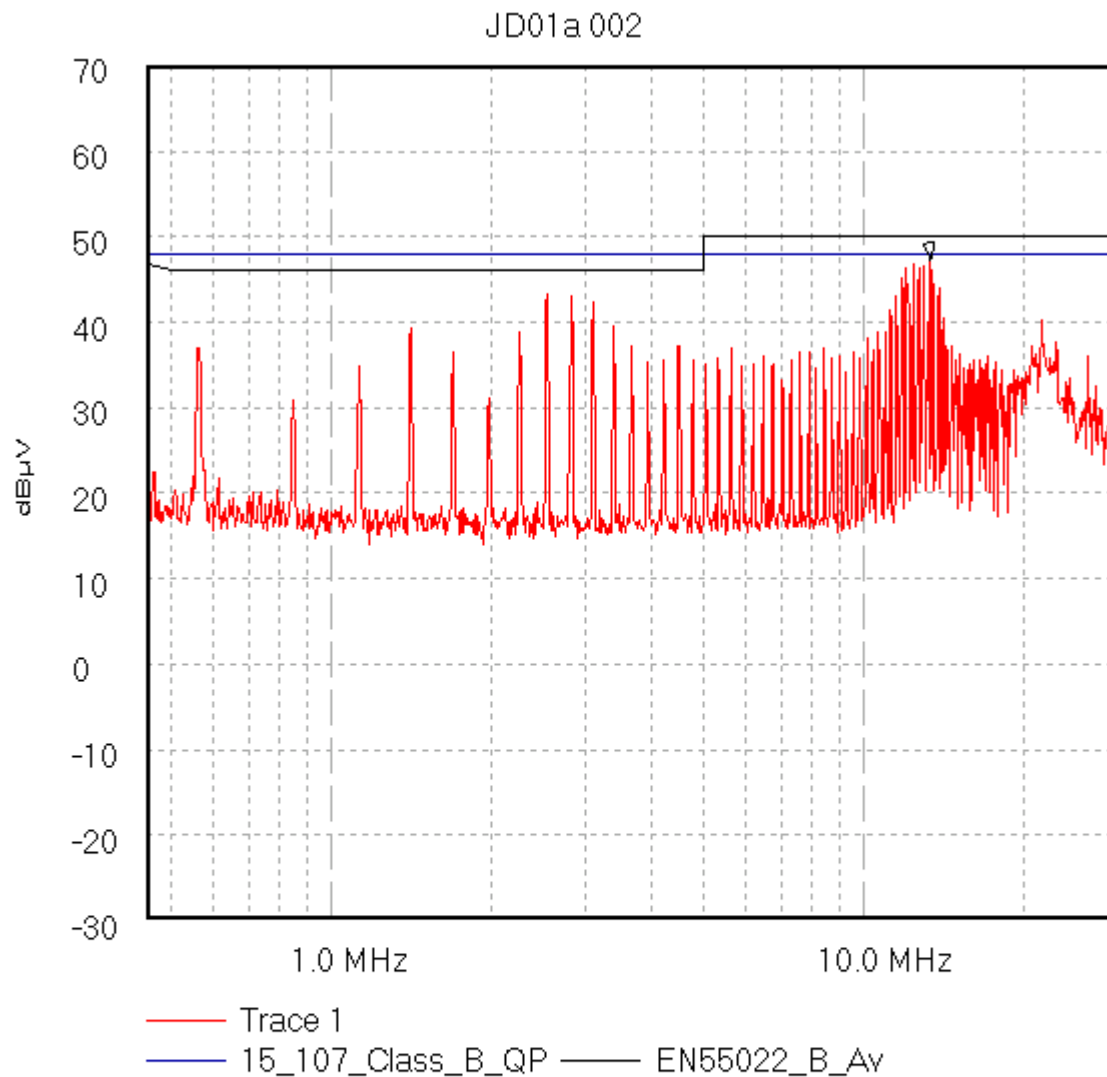
Peak 12.832 MHz, 44.38 dBμV

Limit/Mask: 15_107_Class_B_QP; EN55022_B_Av; ; Limit Test Passes

28/03/2002 9:52:44 AM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\002Conducted Emissions. (Hopping Mode) (Live And Neutral)

Start 450.0 kHz; Stop 30.0 MHz - Log Scale

Ref 70 dBμV; Ref Offset 0.0 dB; 10 dB/div

RBW 9.0 kHz; VBW 10.0 kHz; Att 10 dB; Swp 2.2 S

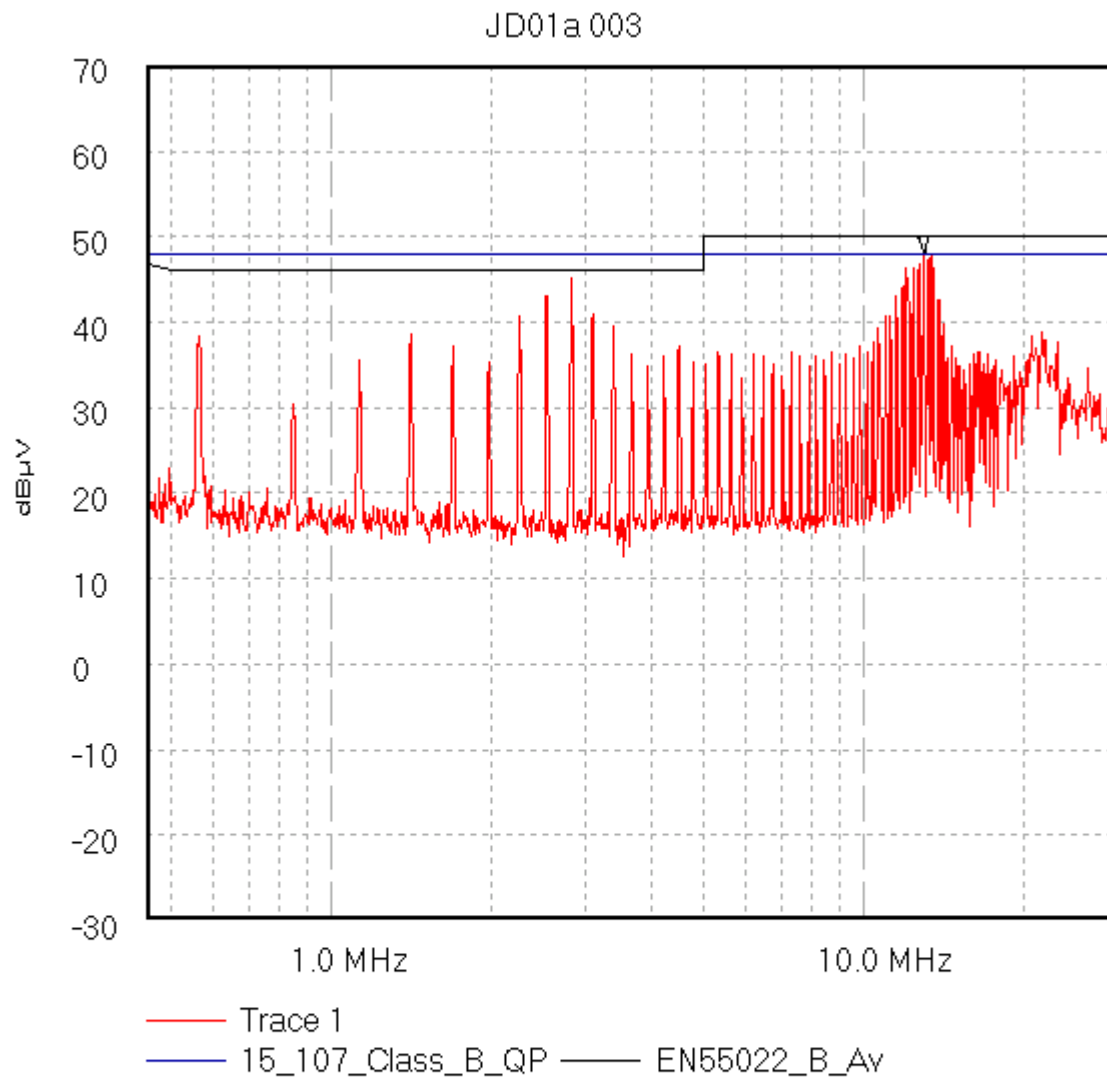
Peak 13.32 MHz, 47.28 dBμV

Limit/Mask: 15_107_Class_B_QP; EN55022_B_Av; ; Limit Test Passes

28/03/2002 10:11:49 AM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\003Conducted Emissions. (Bottom Channel, Transmit Mode) (Live And Neutral)

Start 450.0 kHz; Stop 30.0 MHz - Log Scale

Ref 70 dBµV; Ref Offset 0.0 dB; 10 dB/div

RBW 9.0 kHz; VBW 10.0 kHz; Att 10 dB; Swp 2.2 S

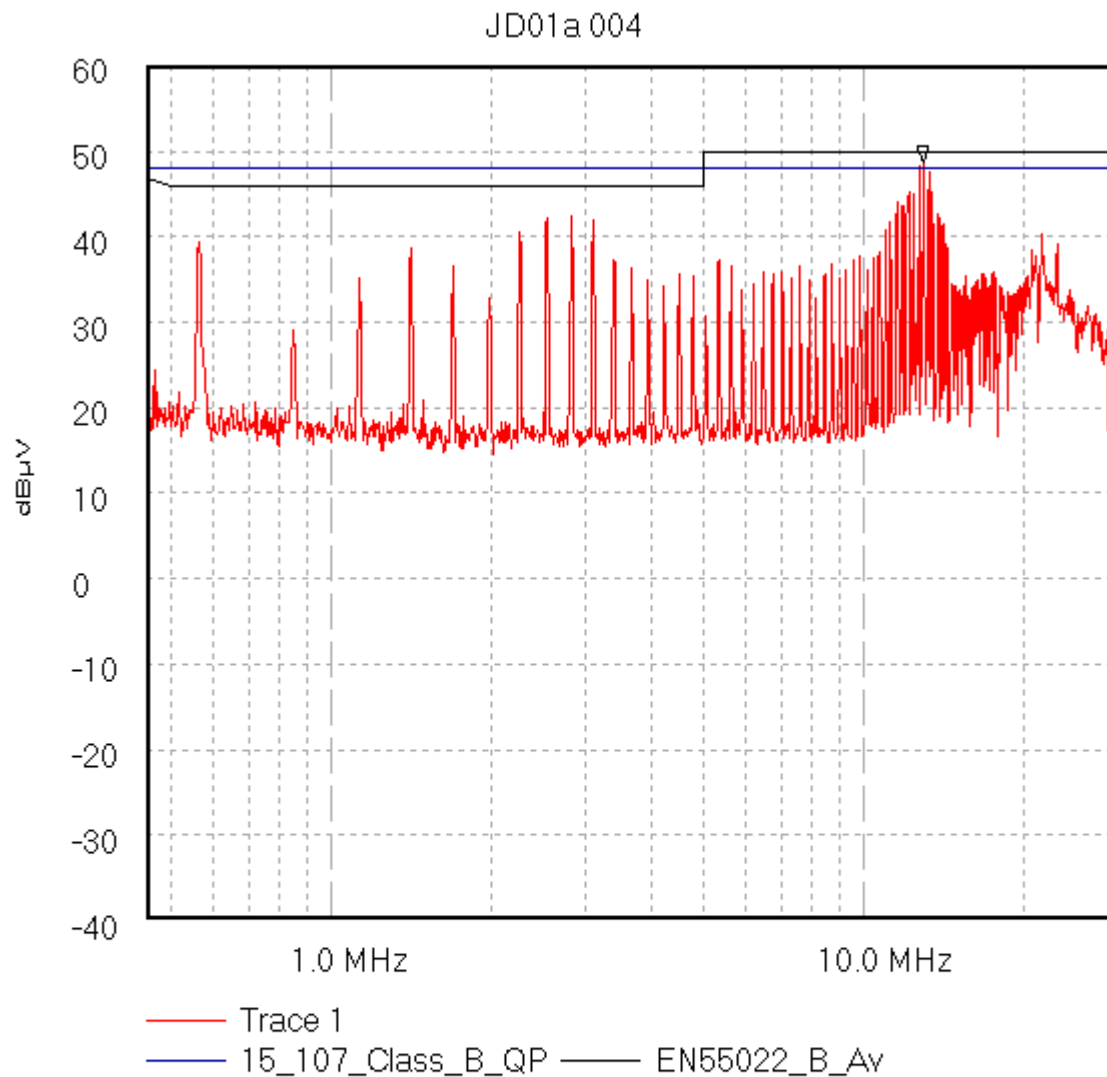
Peak 13.013 MHz, 48.09 dBµV

Limit/Mask: 15_107_Class_B_QP; EN55022_B_Av; ; Limit Test Failed

28/03/2002 10:27:42 AM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\004Conducted Emissions. (Middle Channel, Transmit Mode) (Live And Neutral)

Start 450.0 kHz; Stop 30.0 MHz - Log Scale

Ref 60 dBµV; Ref Offset 0.0 dB; 10 dB/div

RBW 9.0 kHz; VBW 10.0 kHz; Att 10 dB; Swp 2.2 S

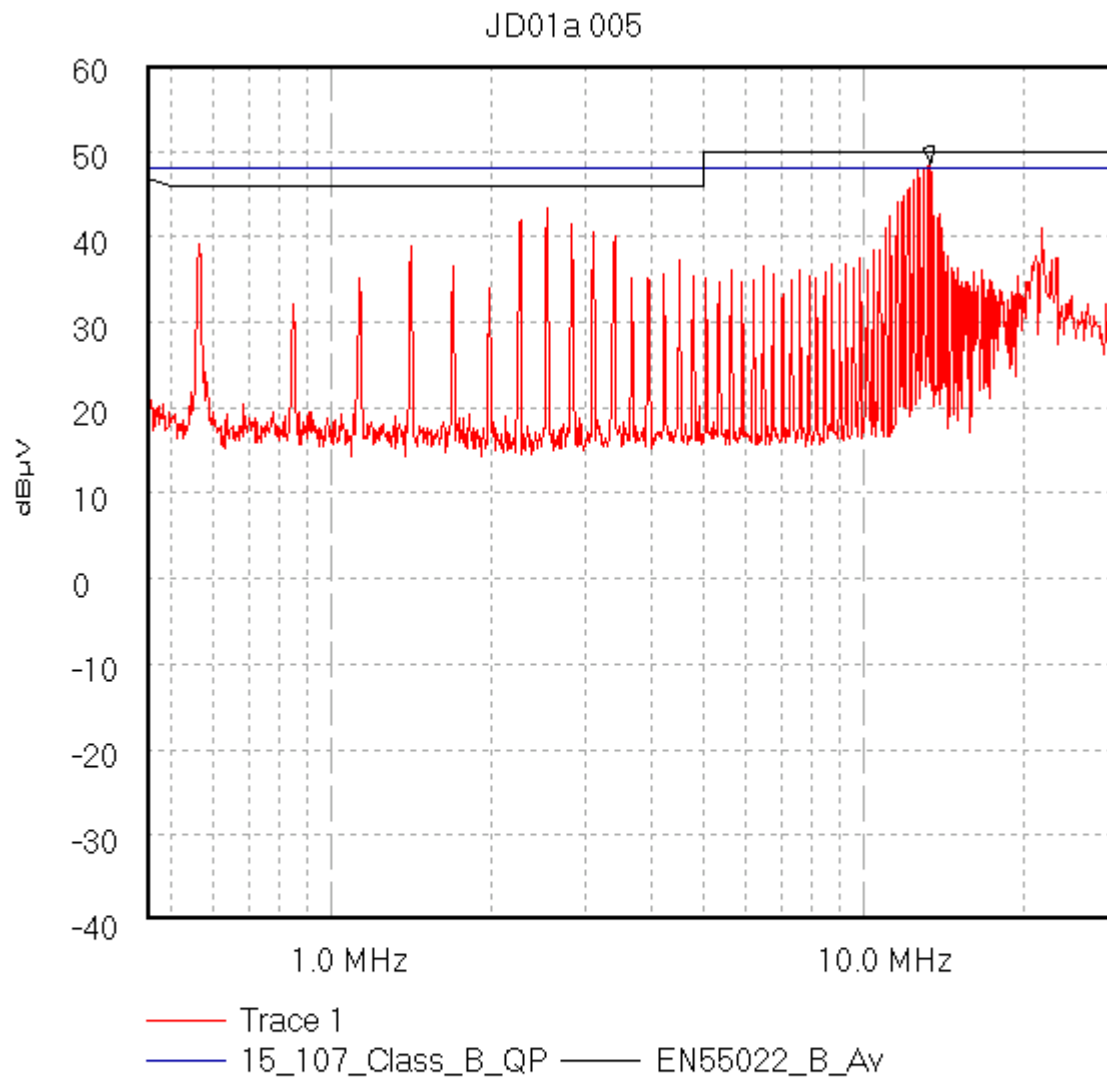
Peak 12.952 MHz, 48.55 dBµV

Limit/Mask: 15_107_Class_B_QP; EN55022_B_Av; ; Limit Test Failed

28/03/2002 10:41:12 AM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\005Conducted Emissions. (Top Channel, Transmit Mode) (Live And Neutral)

Start 450.0 kHz; Stop 30.0 MHz - Log Scale

Ref 60 dBµV; Ref Offset 0.0 dB; 10 dB/div

RBW 9.0 kHz; VBW 10.0 kHz; Att 10 dB; Swp 2.2 S

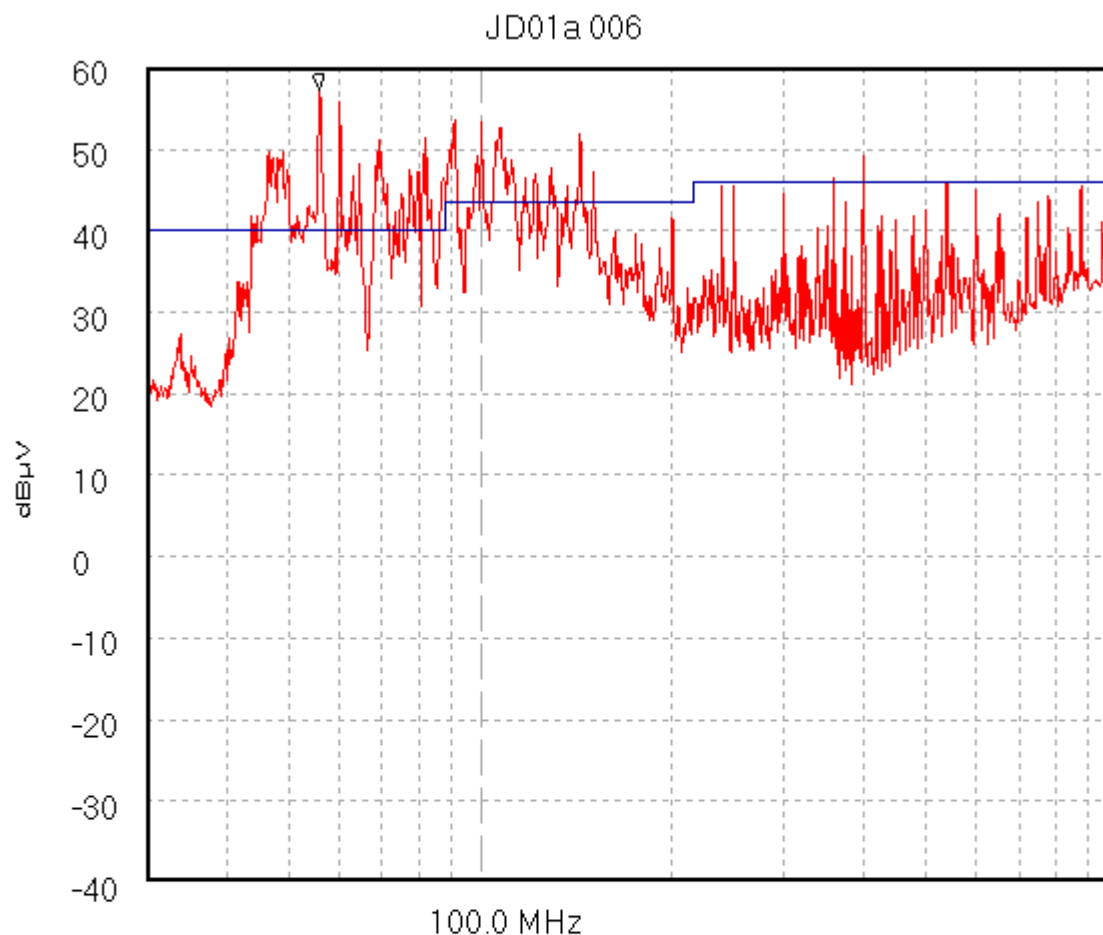
Peak 13.32 MHz, 48.53 dBµV

Limit/Mask: 15_107_Class_B_QP; EN55022_B_Av; ; Limit Test Failed

28/03/2002 10:52:52 AM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\006Radiated Emissions. PreScan @ 3m. (Receive Mode)

Trace 1
rad_30_to_1000

Start 30.0 MHz; Stop 1.0 GHz - Log Scale

Ref 60 dBµV; Ref Offset 0.0 dB; 10 dB/div

RBW 120.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 80.0 mS

Peak 55.957 MHz, 57.29 dBµV

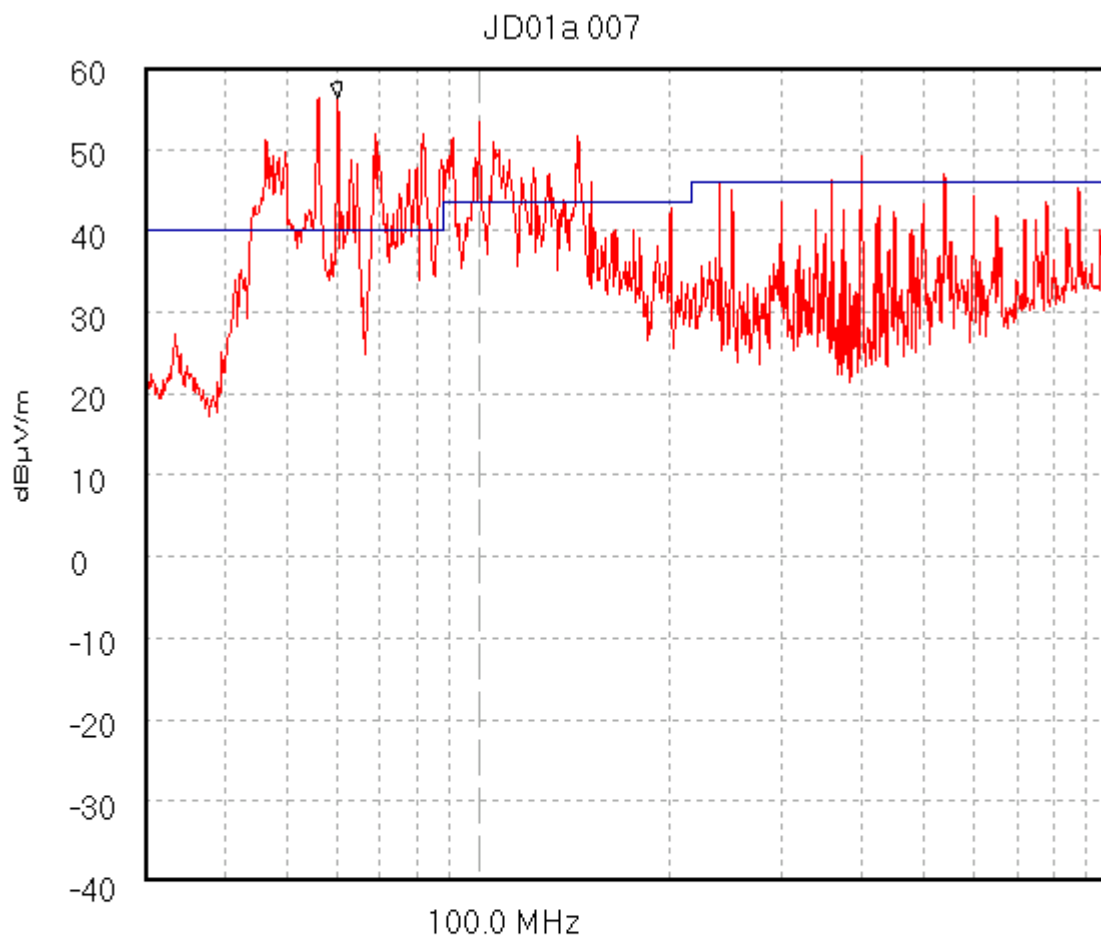
Limit/Mask: rad_30_to_1000; ; Limit Test Failed

Transducer Factors: A490

28/03/2002 11:40:26 AM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\007Radiated Emissions. PreScan @ 3m. (Hopping Mode, Transmit Mode)

Trace 1
rad_30_to_1000

Start 30.0 MHz; Stop 1.0 GHz - Log Scale

Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 120.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 380.0 mS

Peak 60.257 MHz, 56.4 dBµV/m

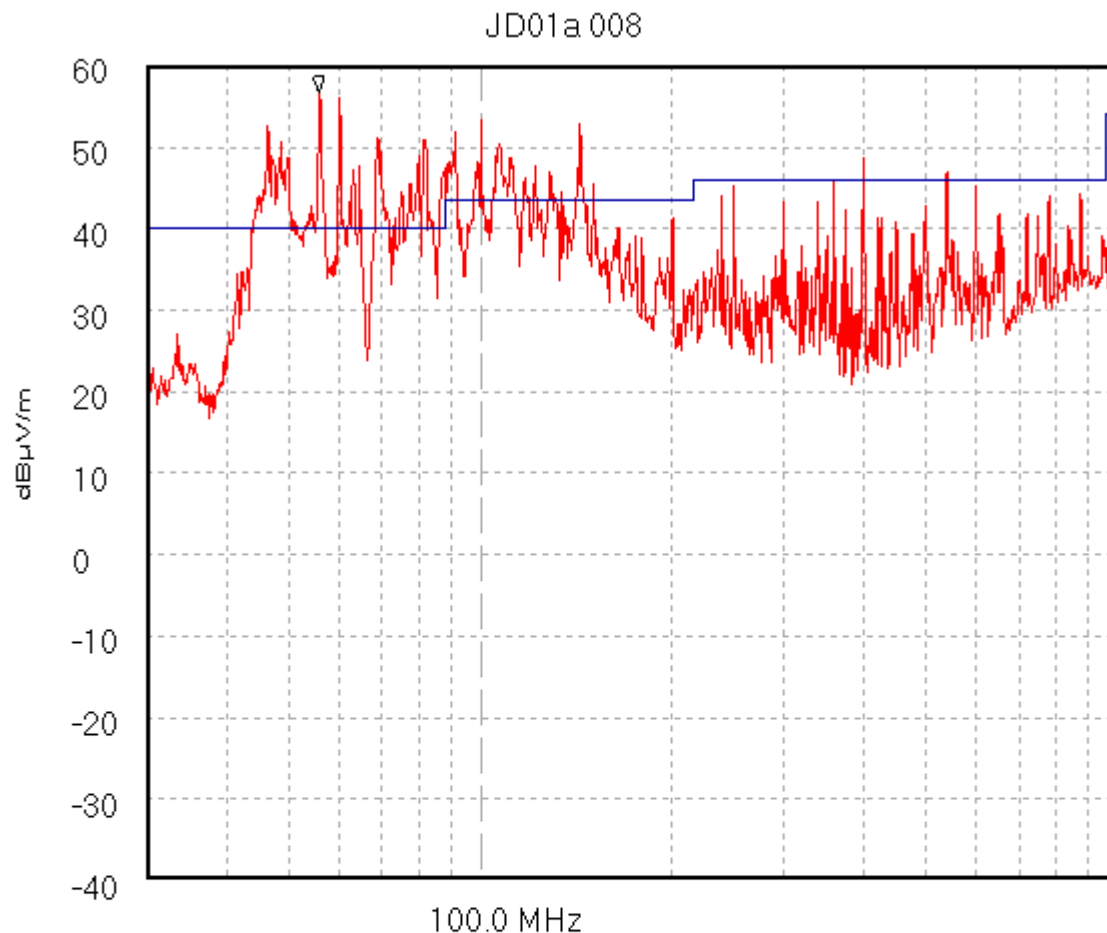
Limit/Mask: rad_30_to_1000; ; Limit Test Failed

Transducer Factors: A490

28/03/2002 12:32:16 PM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

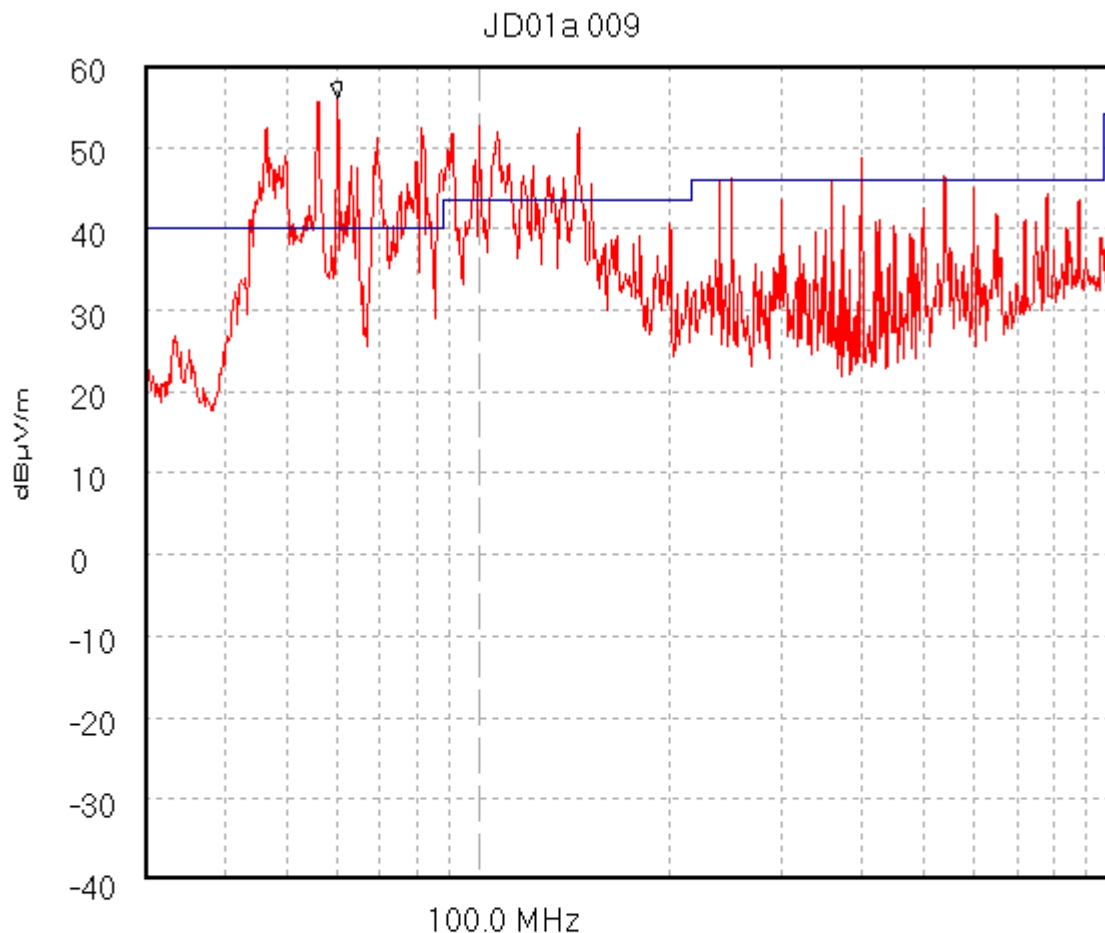
GPH\JD01a\008Radiated Emissions. PreScan @ 3m. (Bottom Channel, Transmit Mode)

Trace 1
rad_30_to_1000

Start 30.0 MHz; Stop 1.0 GHz - Log Scale
Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div
RBW 120.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 80.0 mS
Peak 55.957 MHz, 56.7 dBµV/m
Limit/Mask: rad_30_to_1000; ; Limit Test Failed
Transducer Factors: A490
28/03/2002 12:47:19 PM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

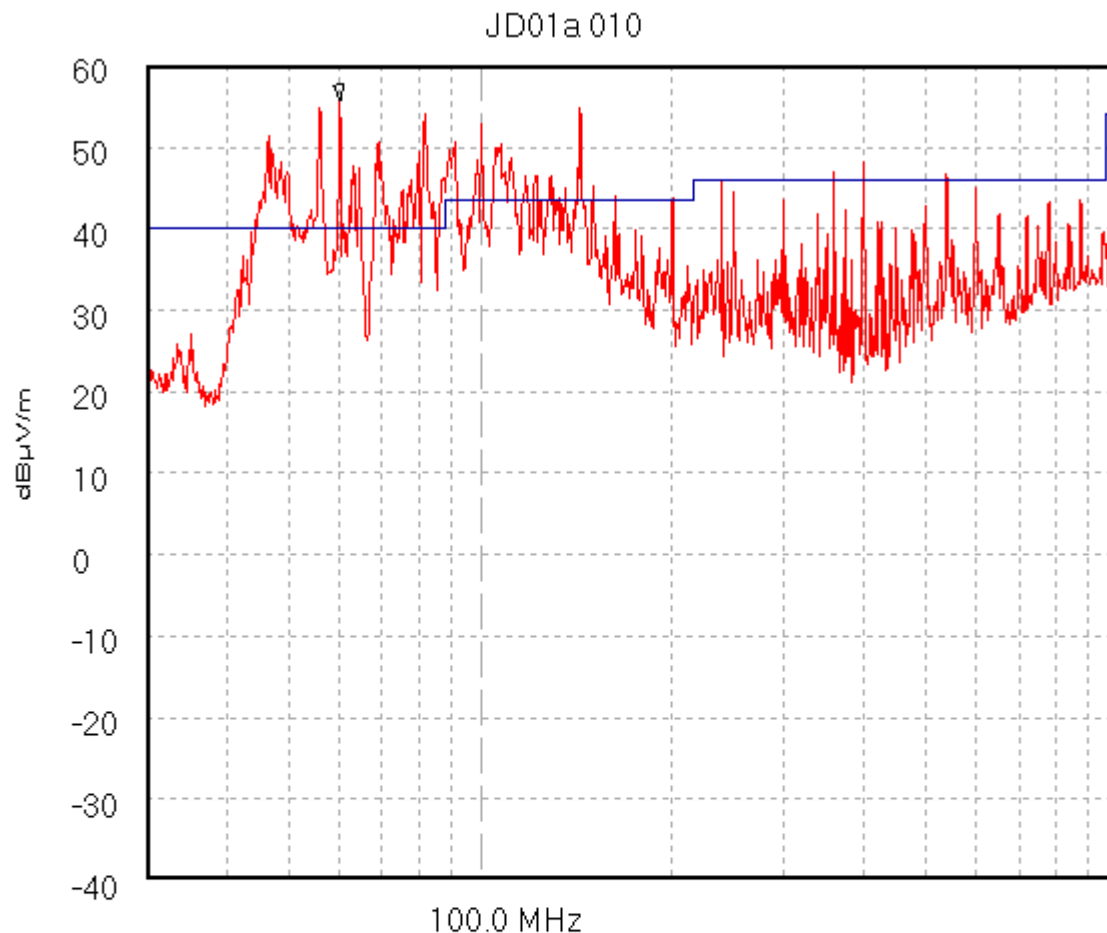
GPH\JD01a\009Radiated Emissions. PreScan @ 3m. (Middle Channel, Transmit Mode)

Trace 1
rad_30_to_1000

Start 30.0 MHz; Stop 1.0 GHz - Log Scale
Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div
RBW 120.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 80.0 mS
Peak 60.257 MHz, 56.02 dBµV/m
Limit/Mask: rad_30_to_1000; ; Limit Test Failed
Transducer Factors: A490
28/03/2002 1:00:14 PM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

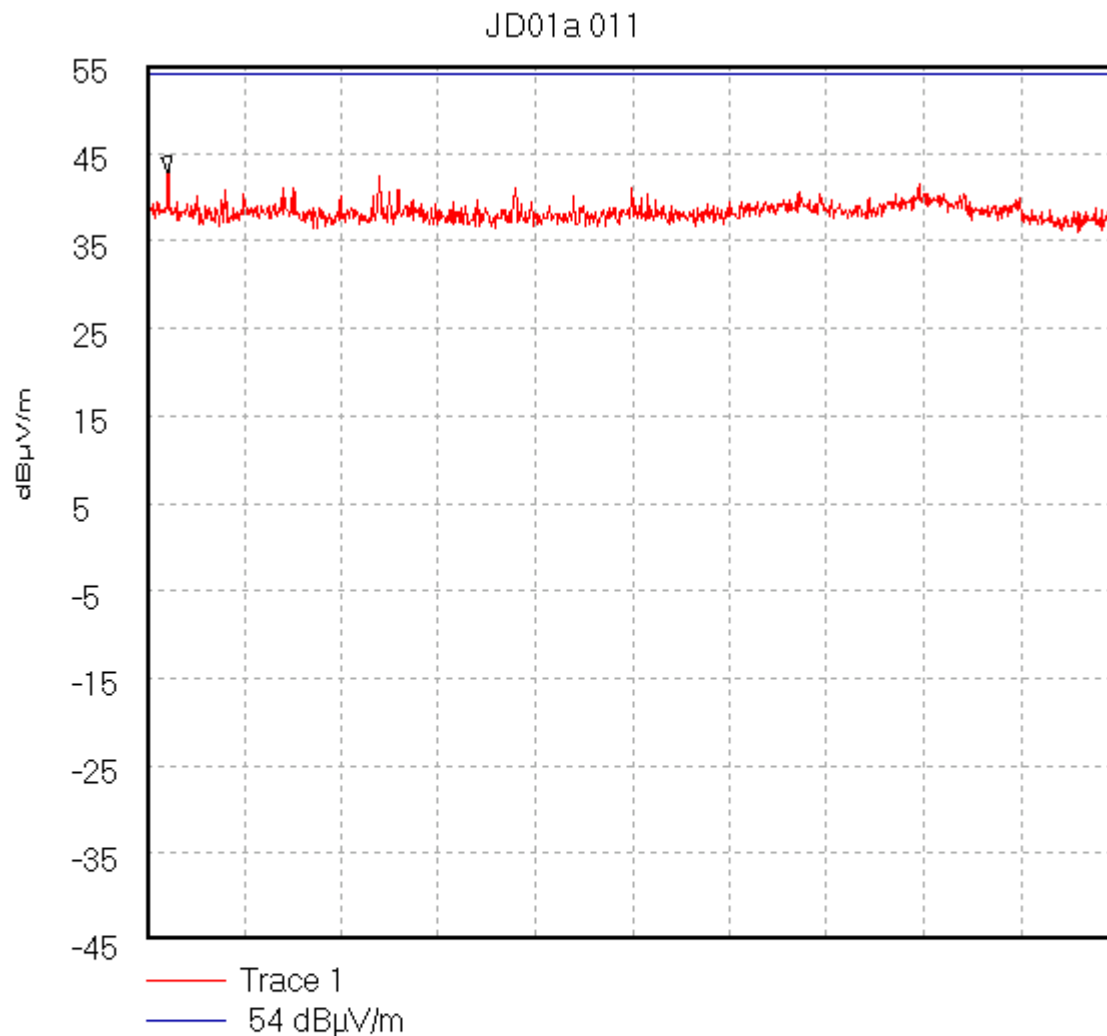
GPH\JD01a\010Radiated Emissions. PreScan @ 3m. (Top Channel, Transmit Mode)

— Trace 1
— rad_30_to_1000

Start 30.0 MHz; Stop 1.0 GHz - Log Scale
Ref 60 dBµV/m; Ref Offset 0.0 dB; 10 dB/div
RBW 120.0 kHz; VBW 100.0 kHz; Att 0 dB; Swp 380.0 mS
Peak 60.257 MHz, 55.71 dBµV/m
Limit/Mask: rad_30_to_1000; ; Limit Test Failed
Transducer Factors: A490
28/03/2002 1:17:20 PM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\011Radiated Emissions. PreScan @ 3m. (Top Channel, Transmit Mode)

Start 1.0 GHz; Stop 2.0 GHz

Ref 55 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 1.022 GHz, 42.74 dBµV/m

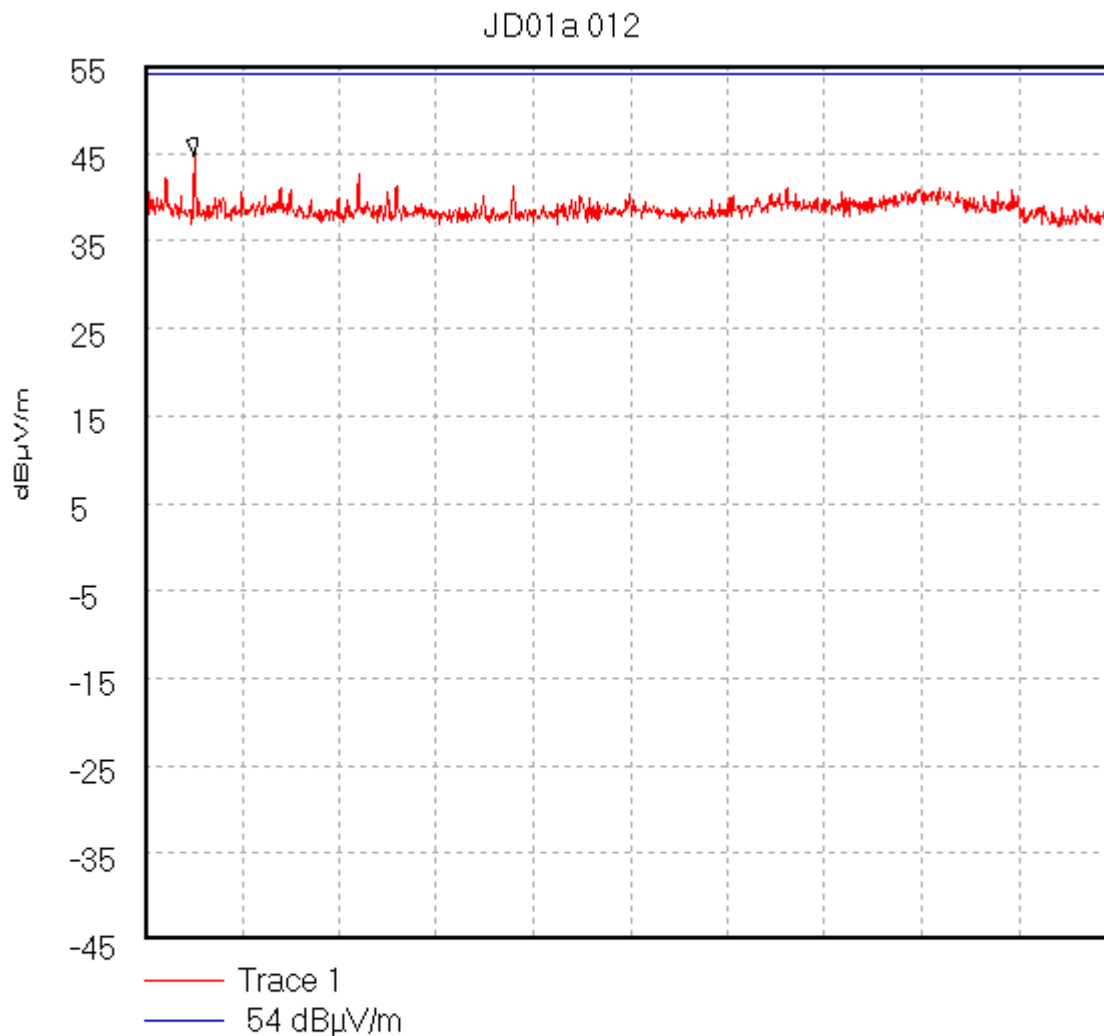
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: A490

28/03/2002 1:59:43 PM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\012Radiated Emissions. PreScan @ 3m. (Middle Channel, Transmit Mode)

Start 1.0 GHz; Stop 2.0 GHz

Ref 55 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 1.051 GHz, 44.7 dBµV/m

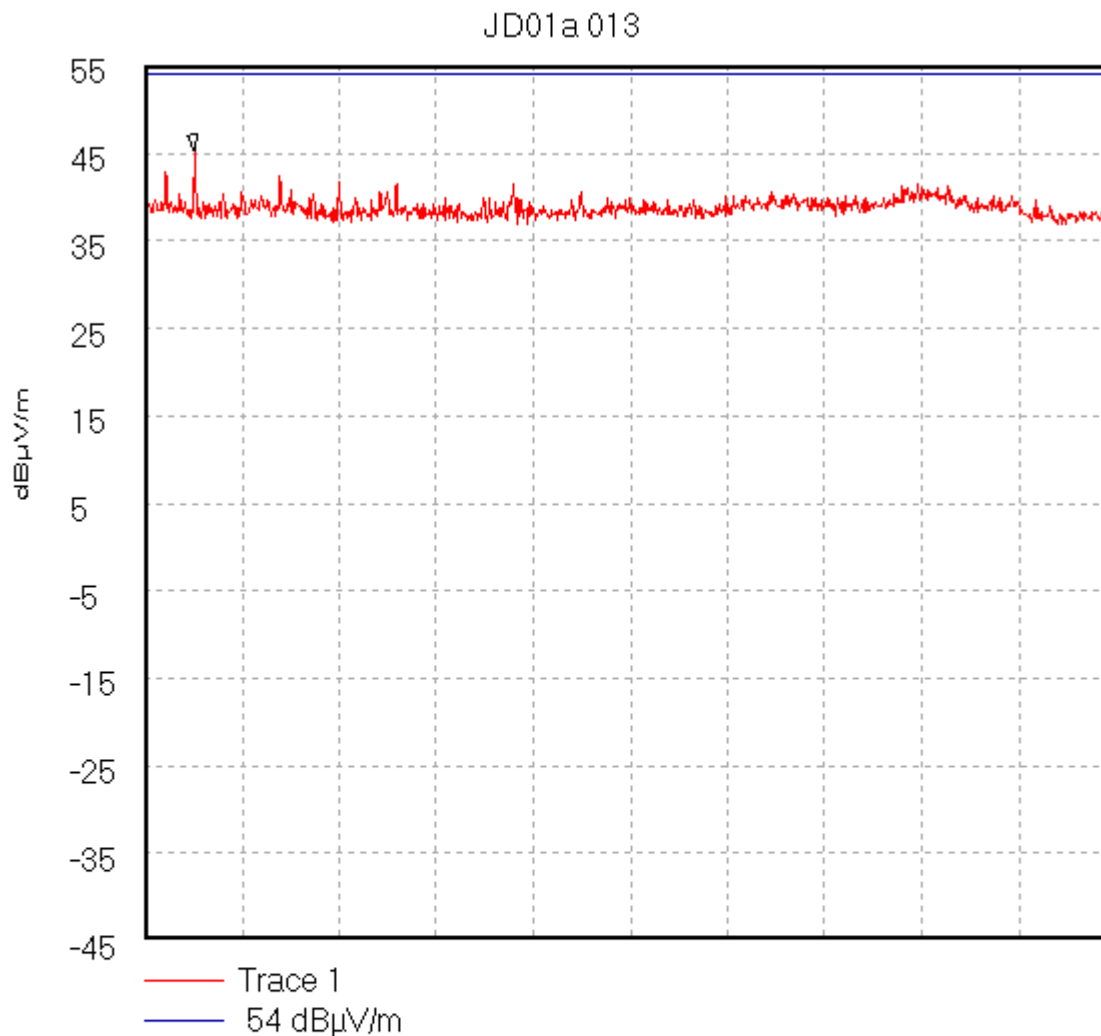
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: A490

28/03/2002 2:15:19 PM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\013Radiated Emissions. PreScan @ 3m. (Bottom Channel, Transmit Mode)

Start 1.0 GHz; Stop 2.0 GHz

Ref 55 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 1.051 GHz, 45.23 dBµV/m

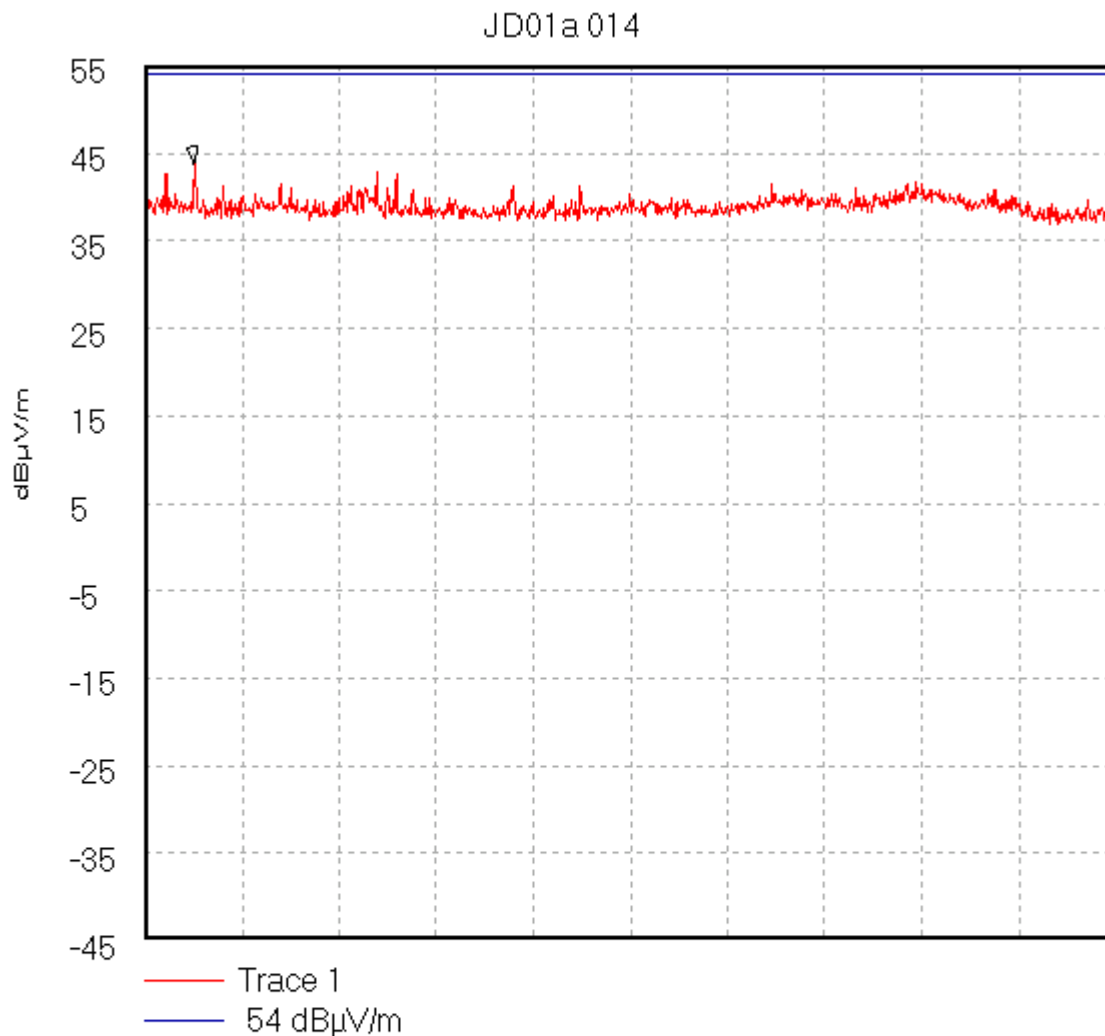
Display Line: 54 dBµV/m; ; Limit Test Passed

Transducer Factors: A490

28/03/2002 2:17:50 PM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\014Radiated Emissions. PreScan @ 3m. (Hopping Mode, Transmit Mode)

Start 1.0 GHz; Stop 2.0 GHz

Ref 55 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 1.051 GHz, 43.81 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Passed

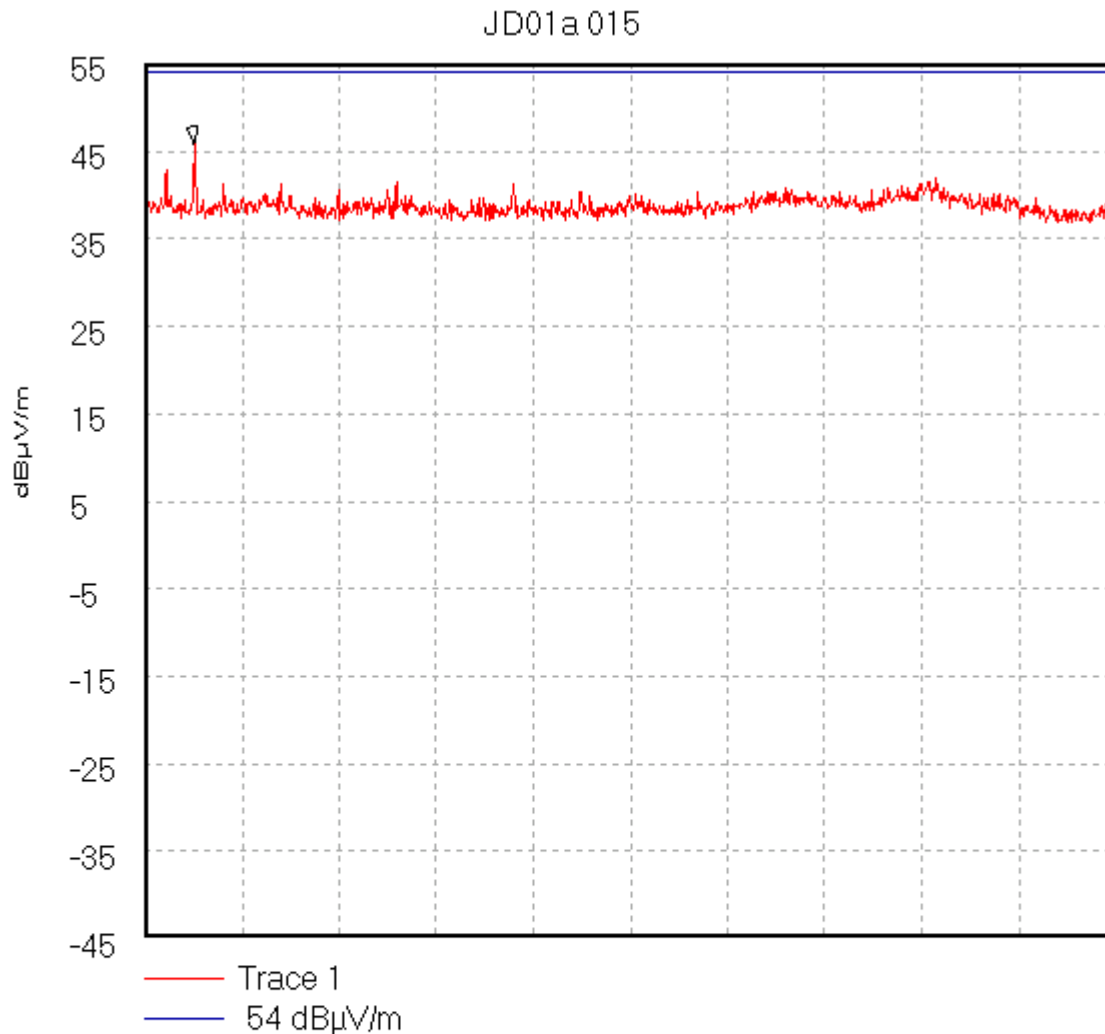
Transducer Factors: A490

28/03/2002 2:35:34 PM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\JD01a\015
Radiated Emissions. PreScan @ 3m. (Receive Mode)



Start 1.0 GHz; Stop 2.0 GHz

Ref 55 dBµV/m; Ref Offset 0.0 dB; 10 dB/div

RBW 1000.0 kHz; VBW 1.0 MHz; Att 0 dB; Swp 20.0 mS

Peak 1.051 GHz, 45.89 dBµV/m

Display Line: 54 dBµV/m; ; Limit Test Passed

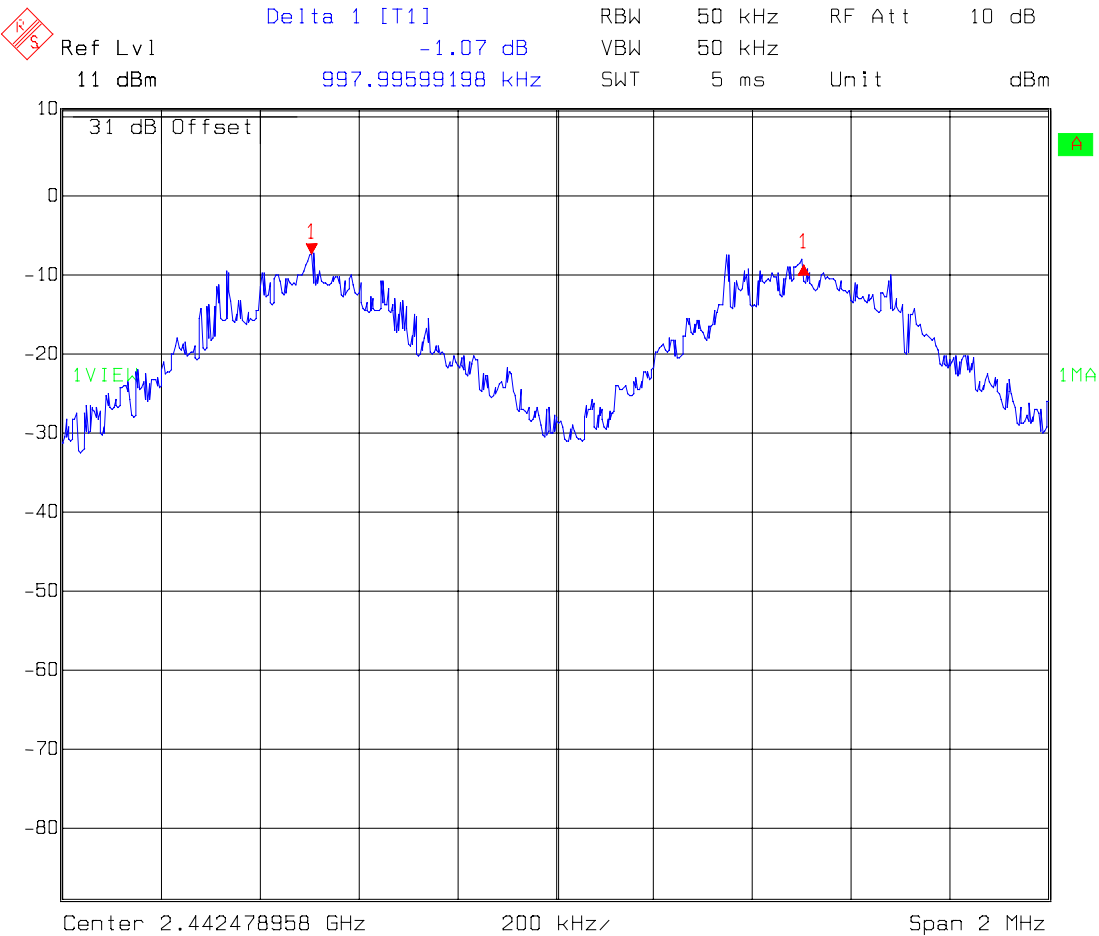
Transducer Factors: A490

28/03/2002 2:40:44 PM

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE001
Carrier Frequency Separation. (Hopping Mode)

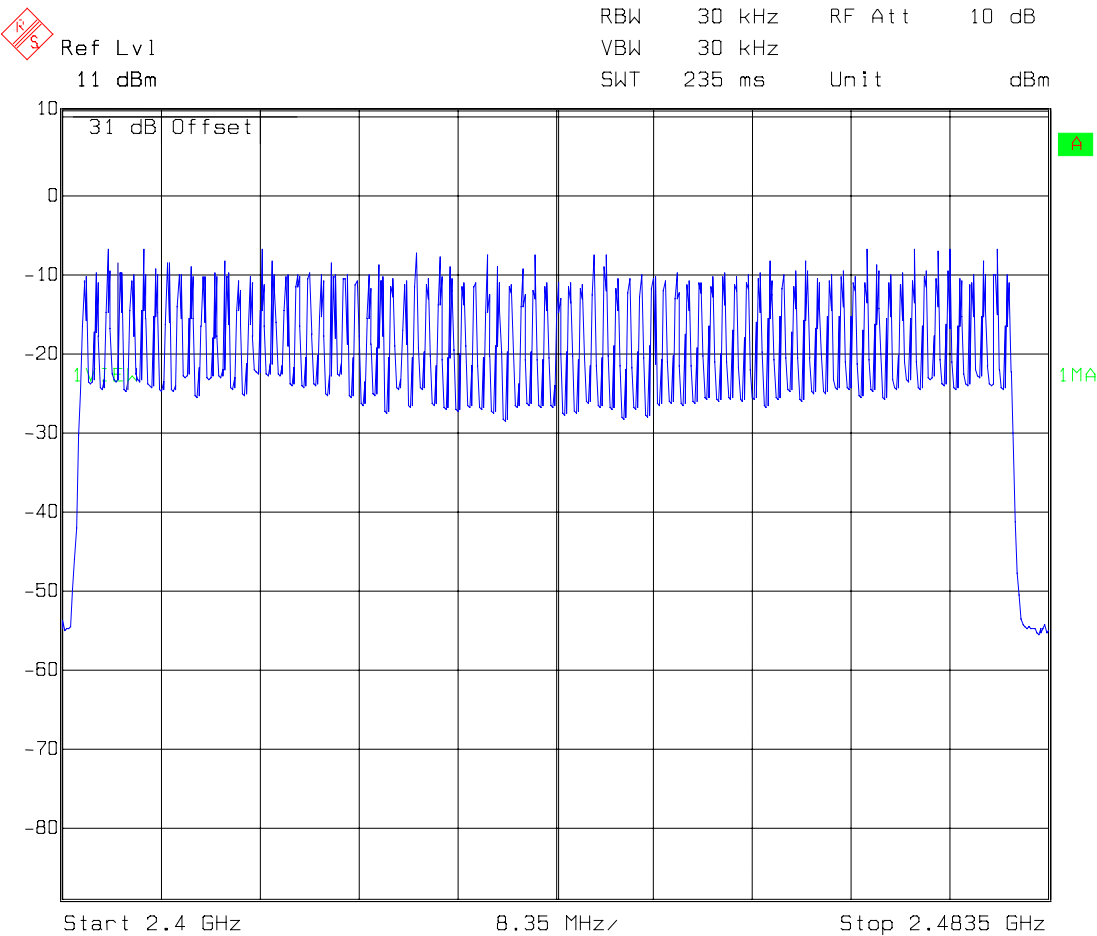


Title: Carrier Frequency Separation FCC Part 15.247 (a) (1)
Comment A: Tested For Red-M. EUT: Lad-VE. Op Cond Hopping Mode
GPH/43324/CE001
Date: 2.APR.2002 0:51:44

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE002
Number of Hopping Frequencies. (Hopping Mode)



Title: Number Of Hopping Frequencies FCC Part 15.247 (a)(1) (11)
Comment A: Tested For Red-M. EUT: Lad-VE. Op Cond Hopping Mode
GPH/43324/CE002
Date: 2.APR.2002 0:57:31

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point

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

Ref Lvl 11 dBm Delta 1 [T1] 0.15 dB RBW 1 MHz RF Att 0 dB
 11 dBm 2.847663 ms SWT 5 ms Unit dBm

31 dB Offset

1VIEW

TRG

1MA

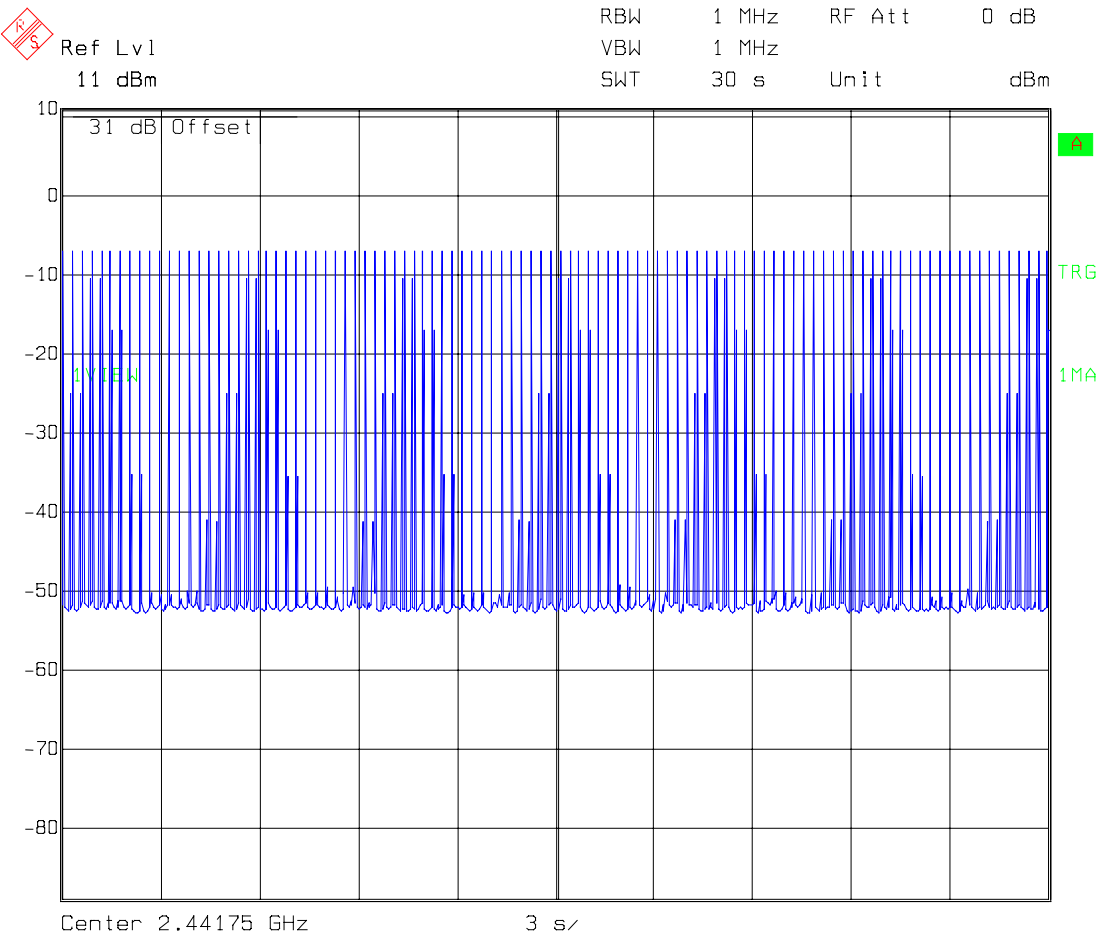
Center 2.44175 GHz 500 μ s/

Title: Time Of Occupancy (Dwell Time) FCC Part 15.247 (a)(1) (ii)
Comment A: Tested For Red-M. EUT: Lad-VE. Op Cond Hopping Mode
GPH/43324/CE003
Date: 2.APR.2002 1:02:55

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE004
Time of Occupancy – Dwell Time. (Hopping Mode)



Title: Time Of Occupancy (Dwell Time) FCC Part 15.247 (a)(1) (11)
Comment A: Tested For Red-M. EUT: Lad-VE. Op Cond Hopping Mode
GPH/43324/CE004
Date: 2.APR.2002 1:05:39

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE005
20 dB Bandwidth. (Hopping Mode)

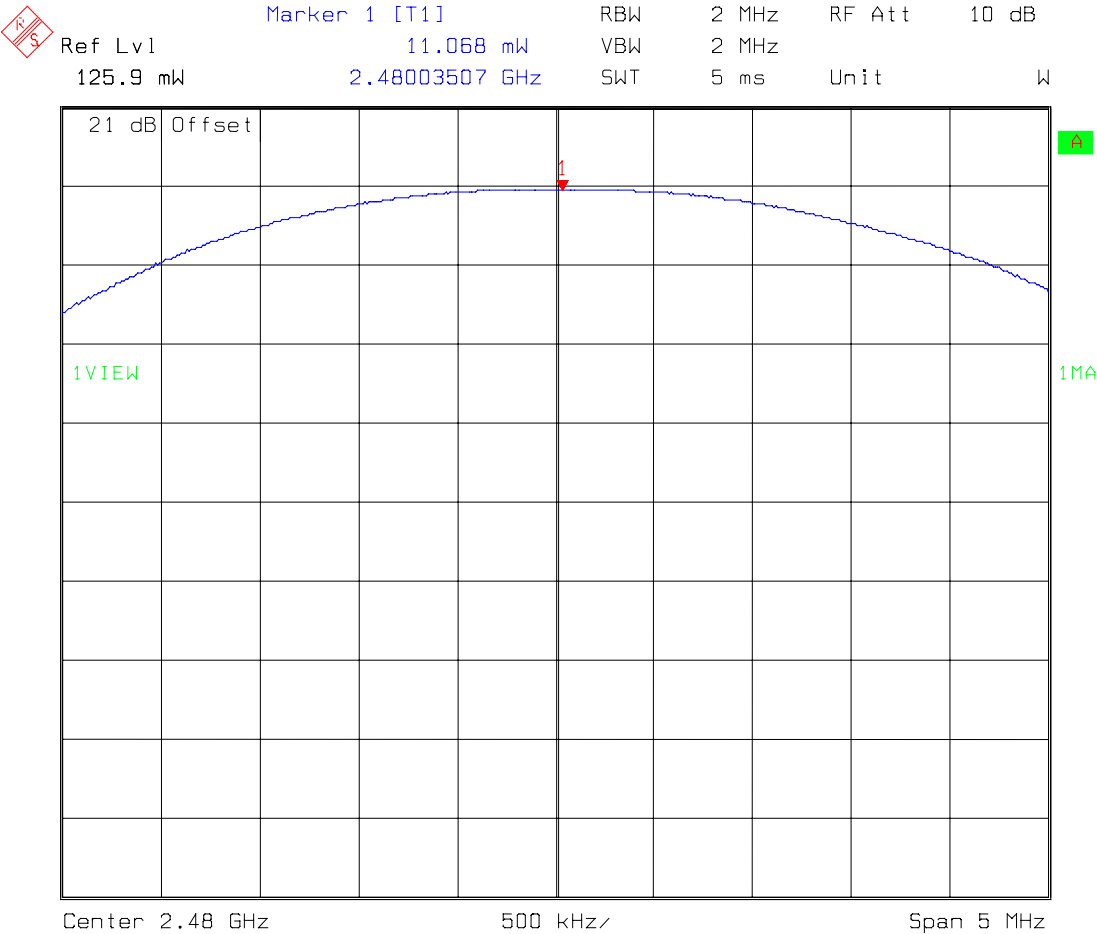


Title: 20dB Bandwidth FCC Part 15.247 (a)(1) (11)
Comment A: Tested For Red-M. EUT: Lad-VE. Op Cond Hopping Mode
GPH/43324/CE005
Date: 2.APR.2002 1:09:06

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE006
Peak Output Power. (Top Channel)

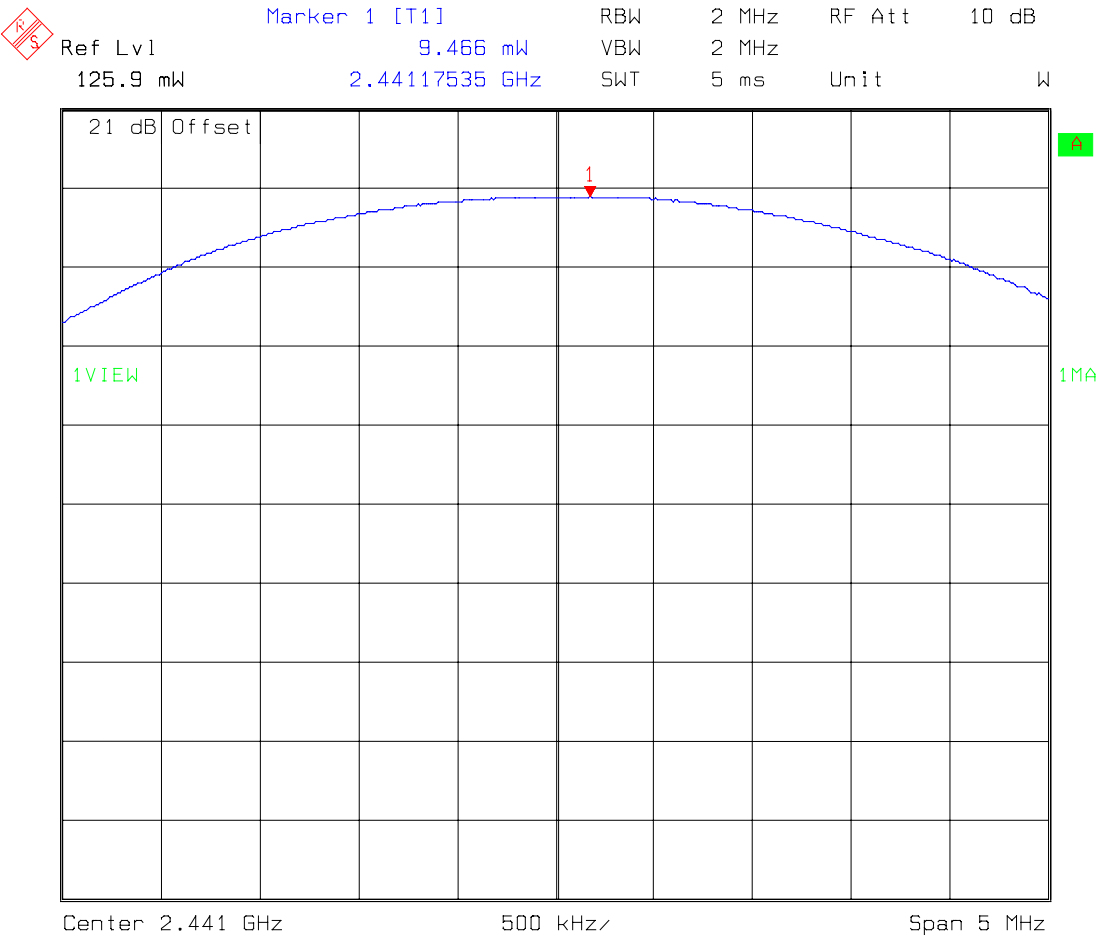


Title: Peak Output Power FCC Part 15.247 (b)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Top Channel
GPH\43324\CE006
Date: 2.APR.2002 21:13:57

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE007
Peak Output Power. (Middle Channel)

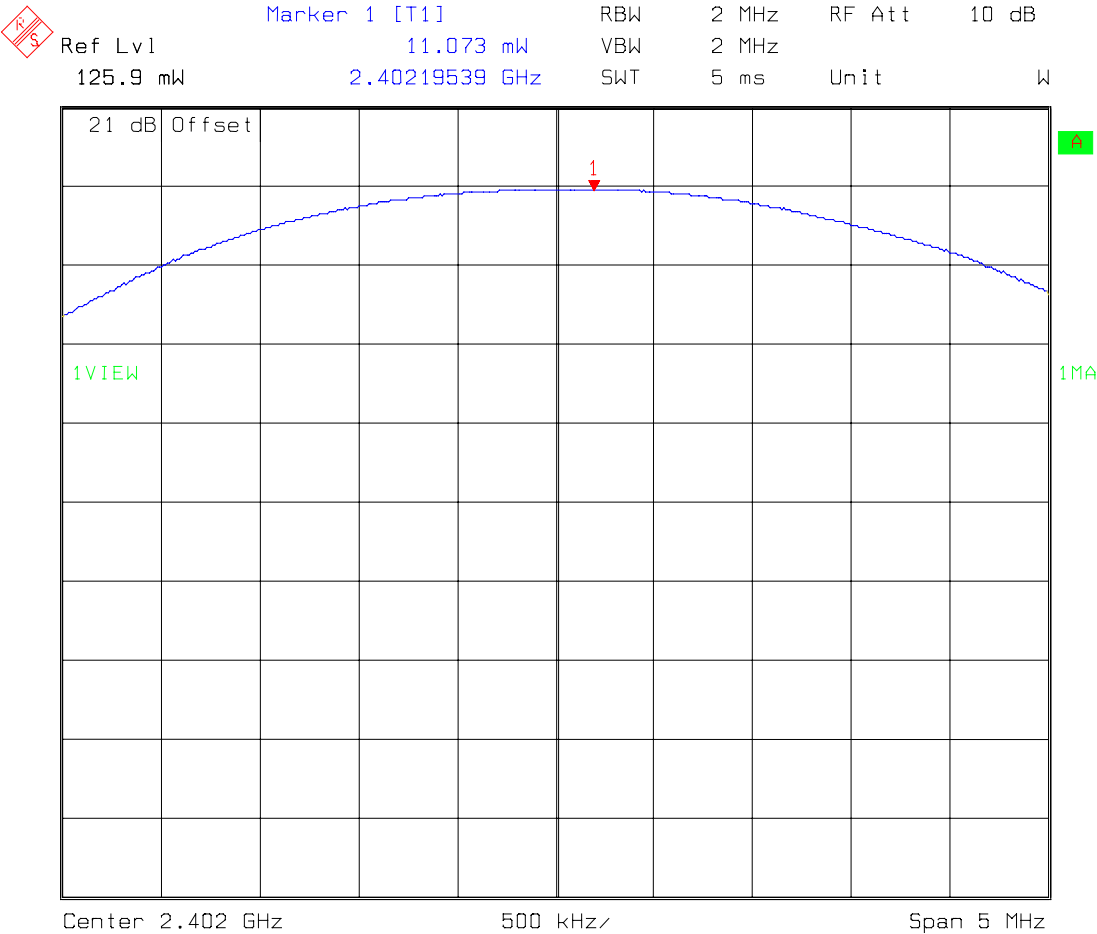


Title: Peak Output Power FCC Part 15.247 (b)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Middle Channel
GPH/43324/CE007
Date: 2.APR.2002 21:23:13

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE008
Peak Output Power. (Bottom Channel)

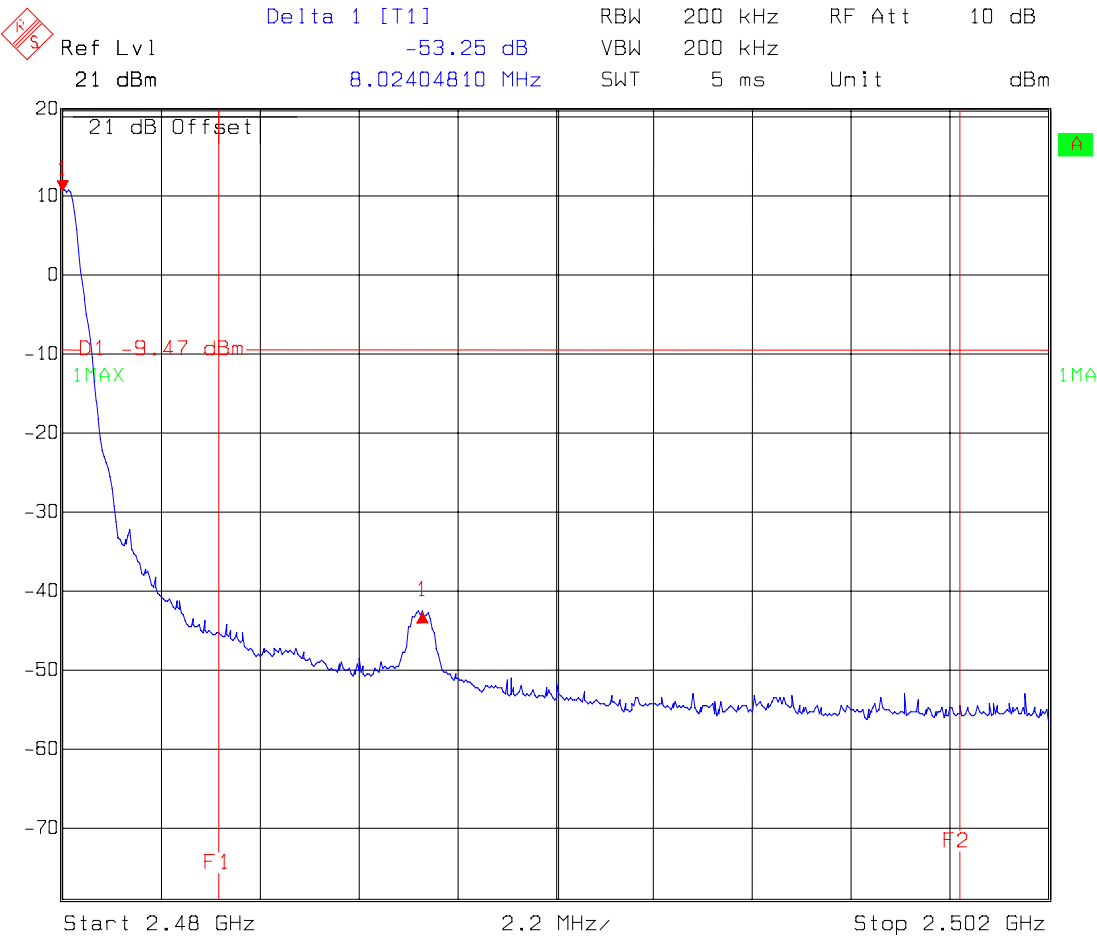


Title: Peak Output Power FCC Part 15.247 (b)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Bottom Channel
GPH/43324/CE008
Date: 2.APR.2002 21:28:14

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE009
Band Edge Compliance. (Top Channel)

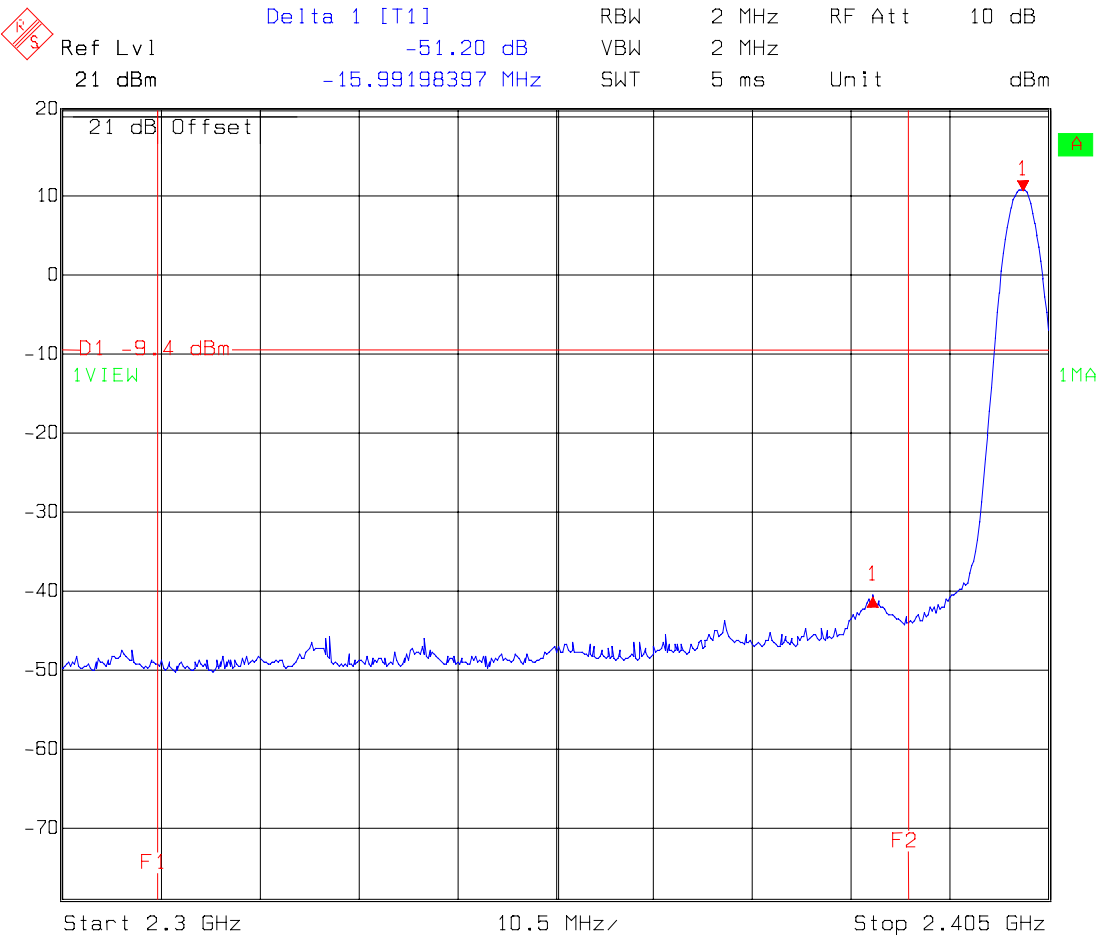


Title: Band Edge Compliance FCC Part 15.247 (c)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Top Channel
GPH/43324/CE009
Date: 2.APR.2002 22:44:01

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE010
Band Edge Compliance. (Bottom Channel)

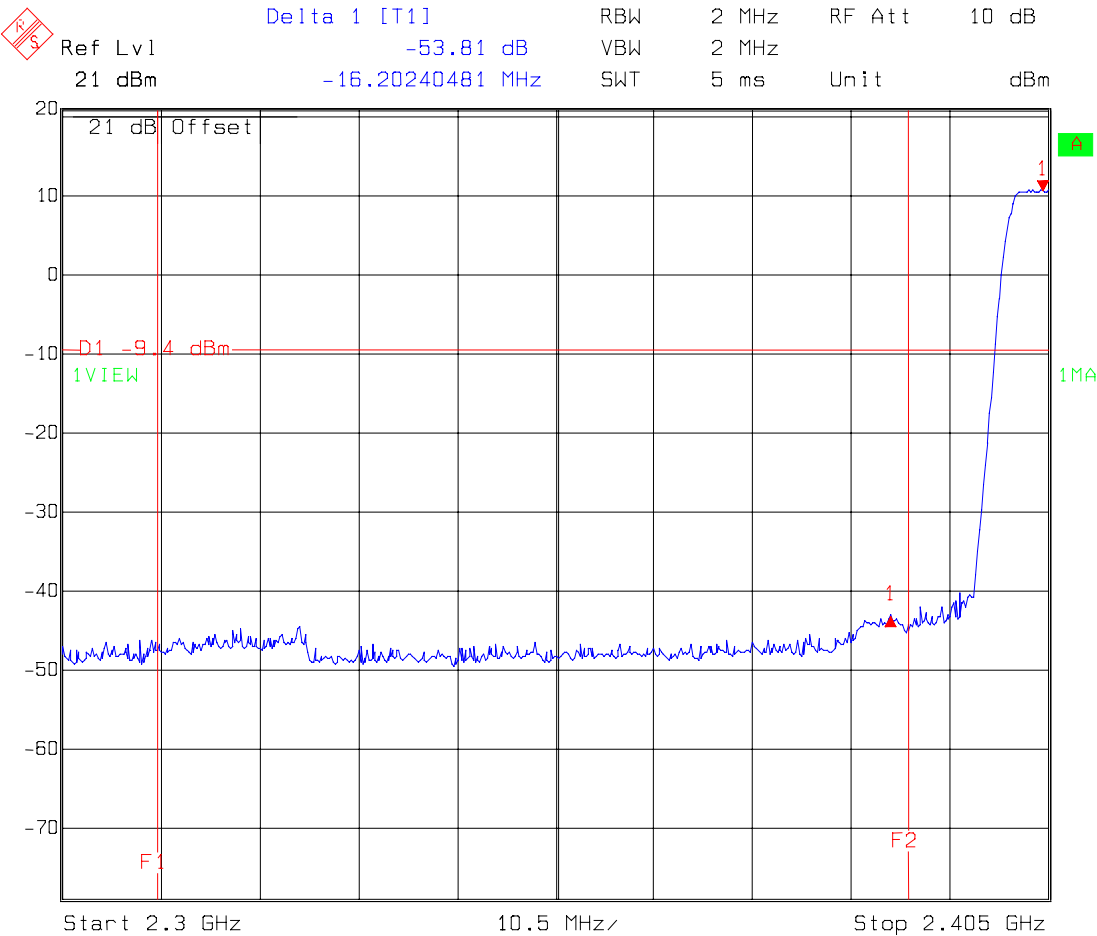


Title: Band Edge Compliance FCC Part 15.247 (c)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Bottom Channel
GPH/43324/CE010
Date: 2.APR.2002 22:45:42

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE011
Band Edge Compliance. (Hopping Mode)

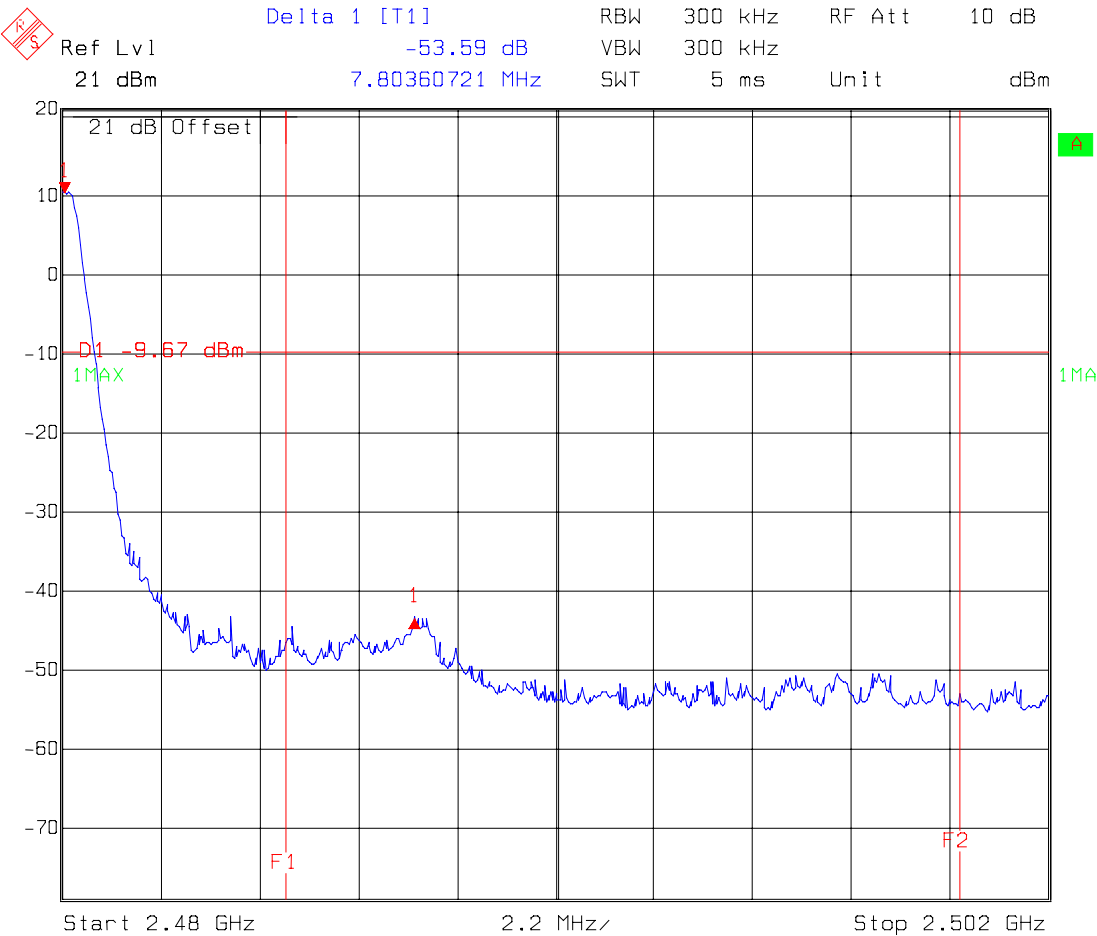


Title: Band Edge Compliance FCC Part 15.247 (c)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Hopping Mode
GPH/43324/CE011
Date: 2.APR.2002 22:46:55

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE012
Band Edge Compliance. (Hopping Mode)

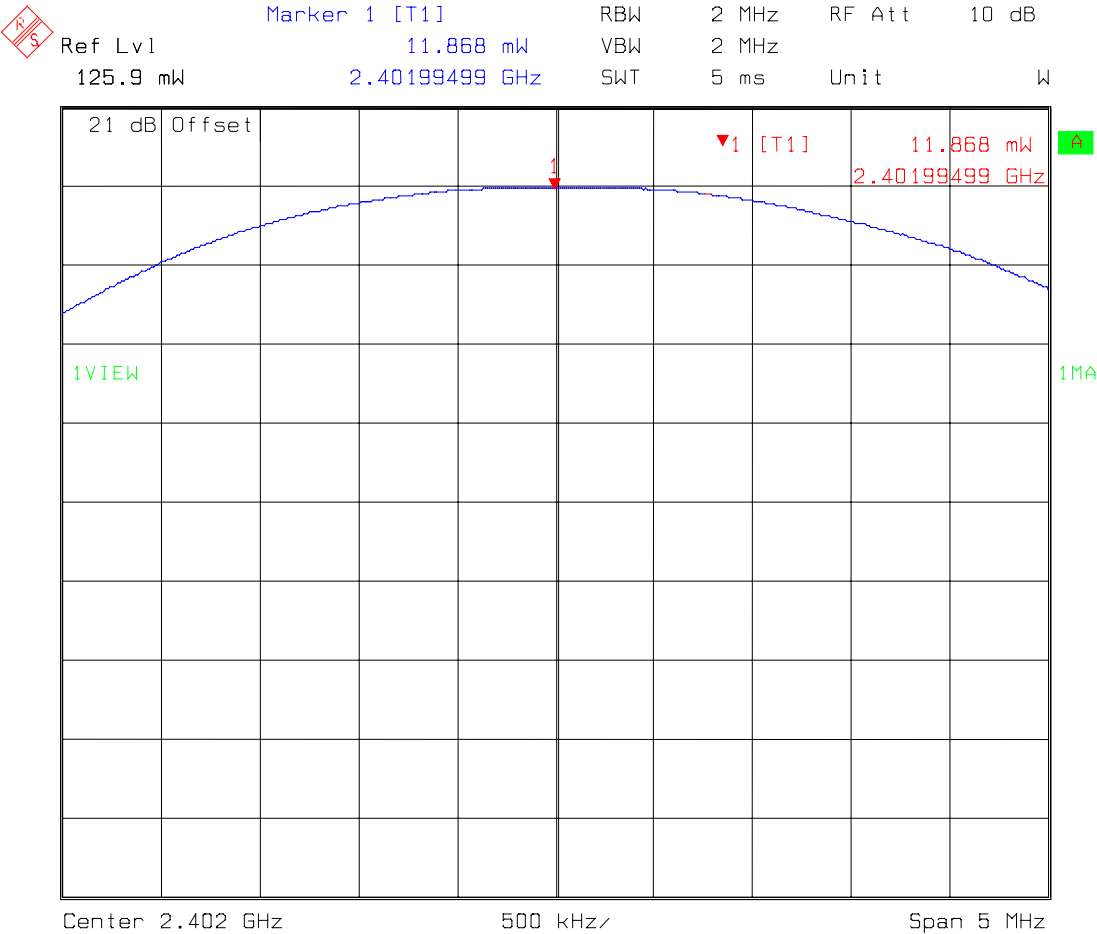


Title: Band Edge Compliance FCC Part 15.247 (c)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Hopping Mode
GPH/43324/CE012
Date: 2.APR.2002 22:49:01

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE013
Peak Output Power. (Bottom Channel)

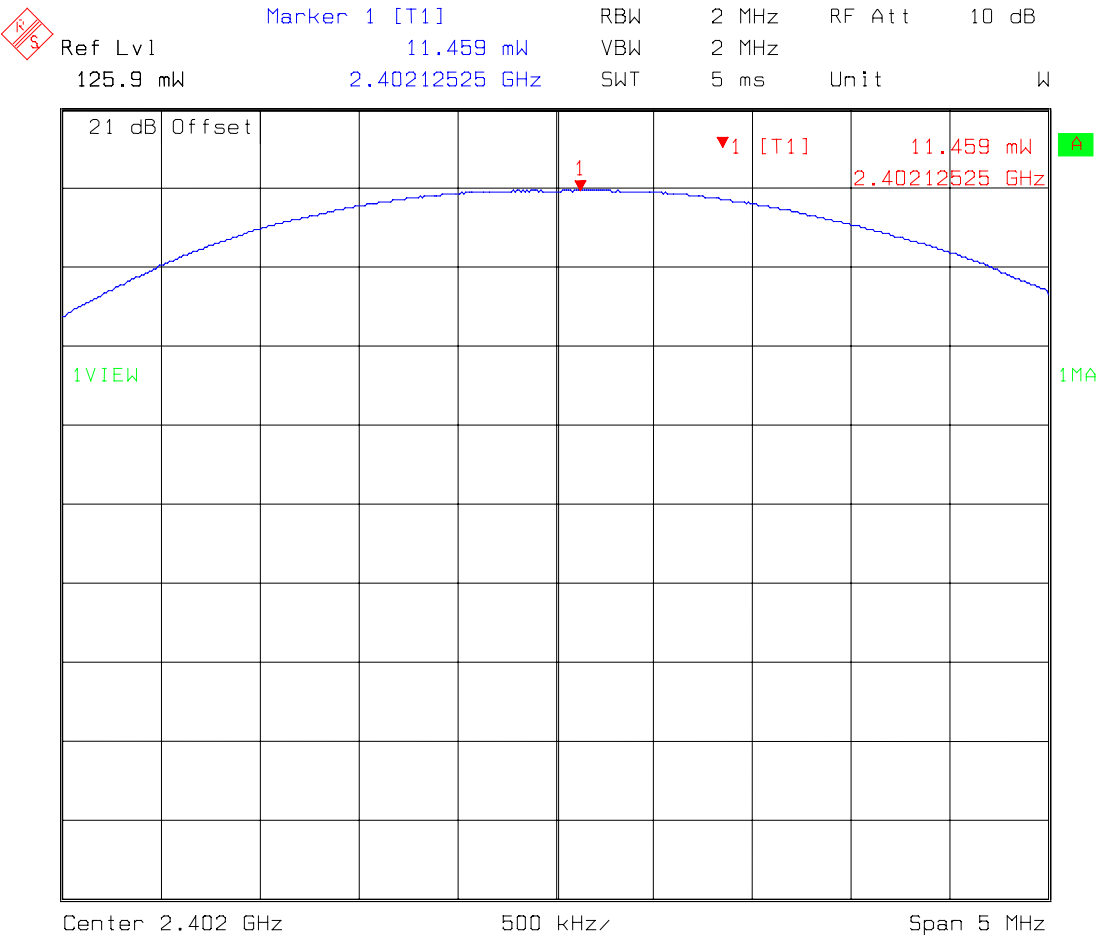


Title: Peak Output Power (-15%) FCC Part 15.247 (b)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Bottom Channel
GPH/43324/CE013
Date: 3.APR.2002 0:07:03

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE014
Peal Output Power. (Bottom Channel)

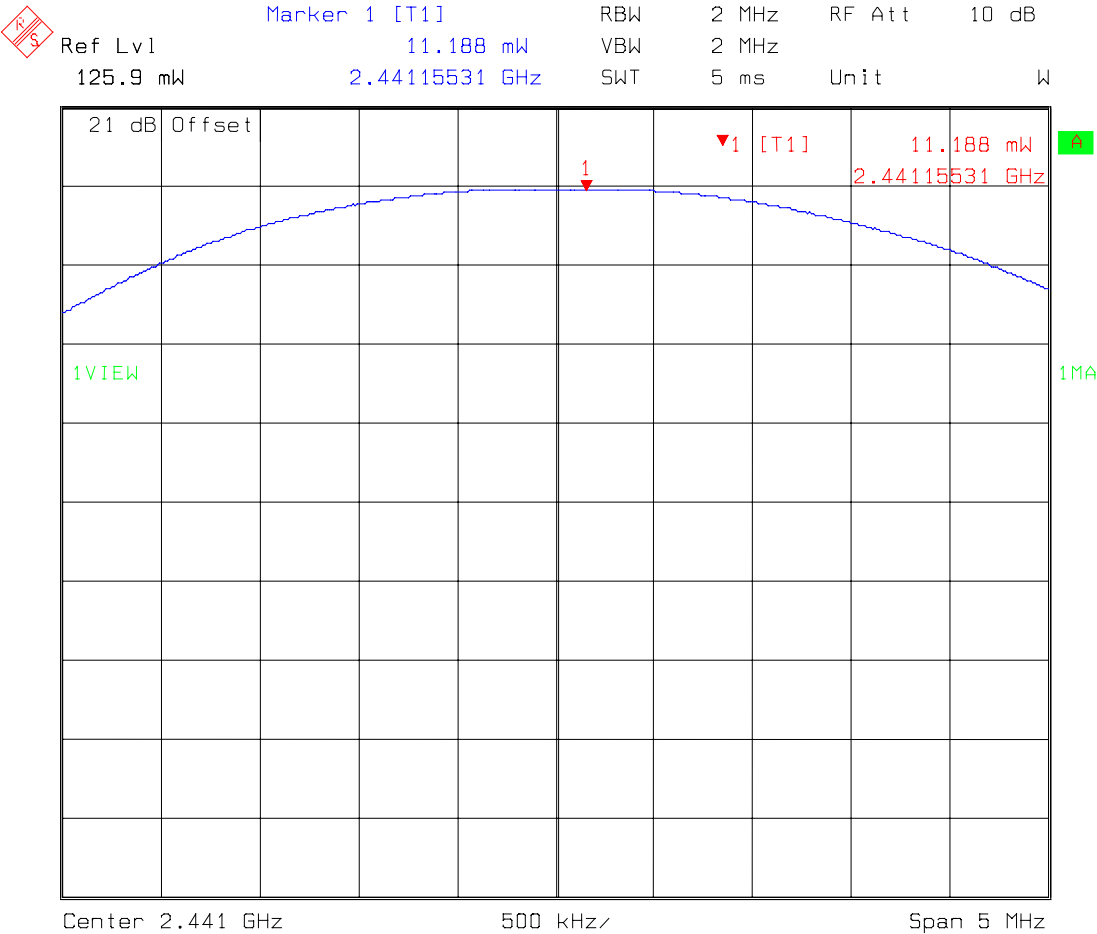


Title: Peak Output Power (+15%) FCC Part 15.247 (b)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Bottom Channel
GPH/43324/CE014
Date: 3.APR.2002 0:10:11

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE015
Peak Output Power. (Middle Channel)

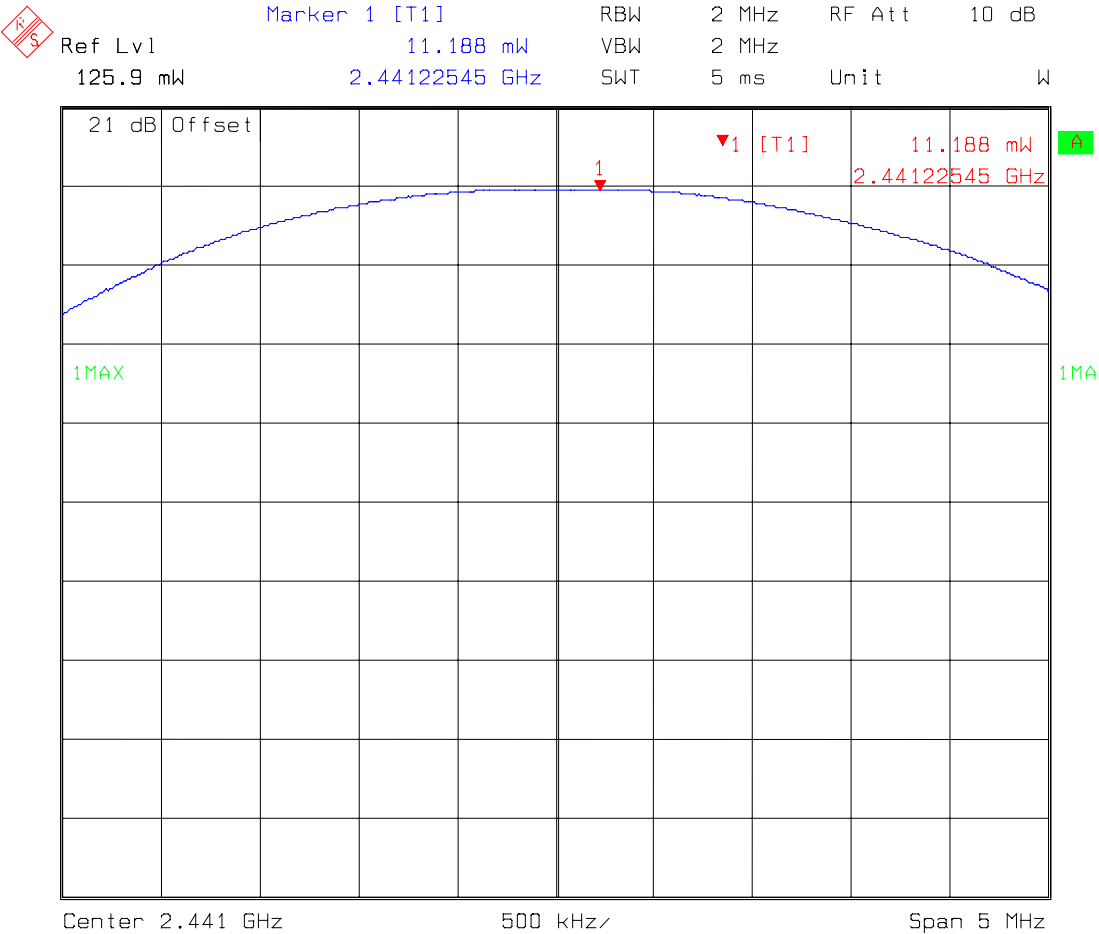


Title: Peak Output Power (+15%) FCC Part 15.247 (b)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Middle Channel
GPH/43324/CE015
Date: 3.APR.2002 0:11:01

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE016
Peak Output Power. (Middle Channel)

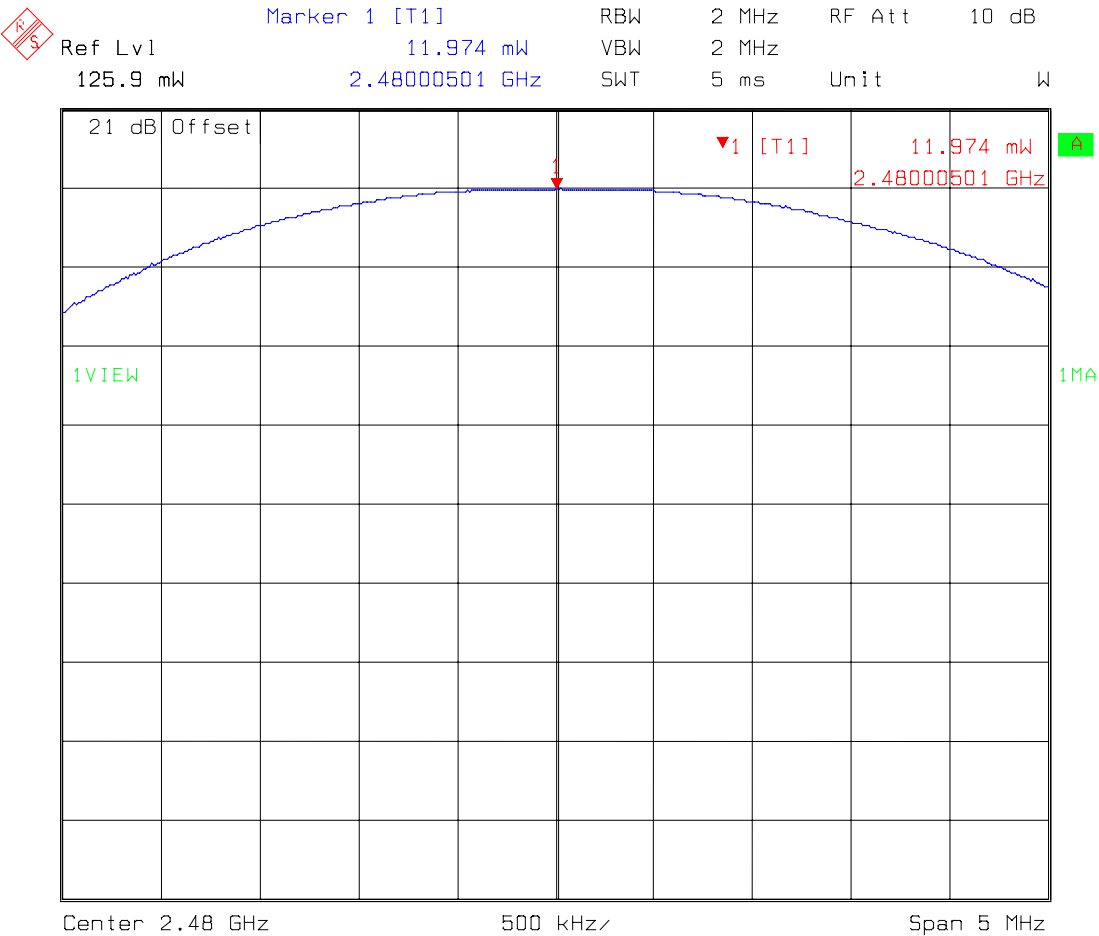


Title: Peak Output Power (-15%) FCC Part 15.247 (b)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Middle Channel
GPH/43324/CE016
Date: 3.APR.2002 0:11:32

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE017
Peak Output Power. (Top Channel)

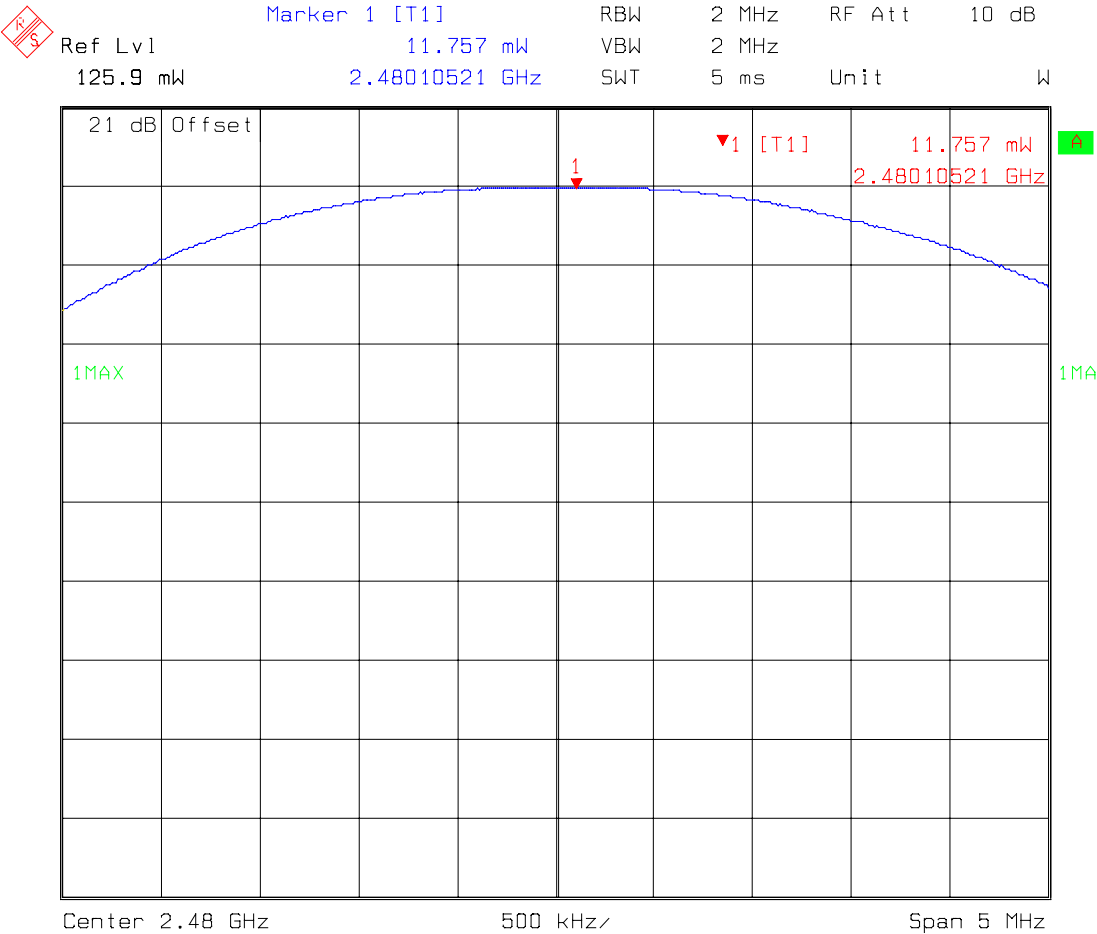


Title: Peak Output Power (-15%) FCC Part 15.247 (b)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Top Channel
GPH\43324\CE017
Date: 3.APR.2002 0:12:04

EMC Department

Test Of: Red-M (Communications) Ltd.
PEY1150AP Access Point
To: F.C.C. Part 15 Subpart C: 2000
(Intentional Radiators)
Section 15.247

GPH\43324\CE018
Peal Output Power. (Top Channel)



Title: Peak Output Power (+15%) FCC Part 15.247 (b)
Comment A: Tested For Red-M. EUT: Lad-VE. OpCond: Top Channel
GPH\43324\CE018
Date: 3.APR.2002 0:12:43