

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID: PP4DX - 20B

HYUNDAI CURITEL

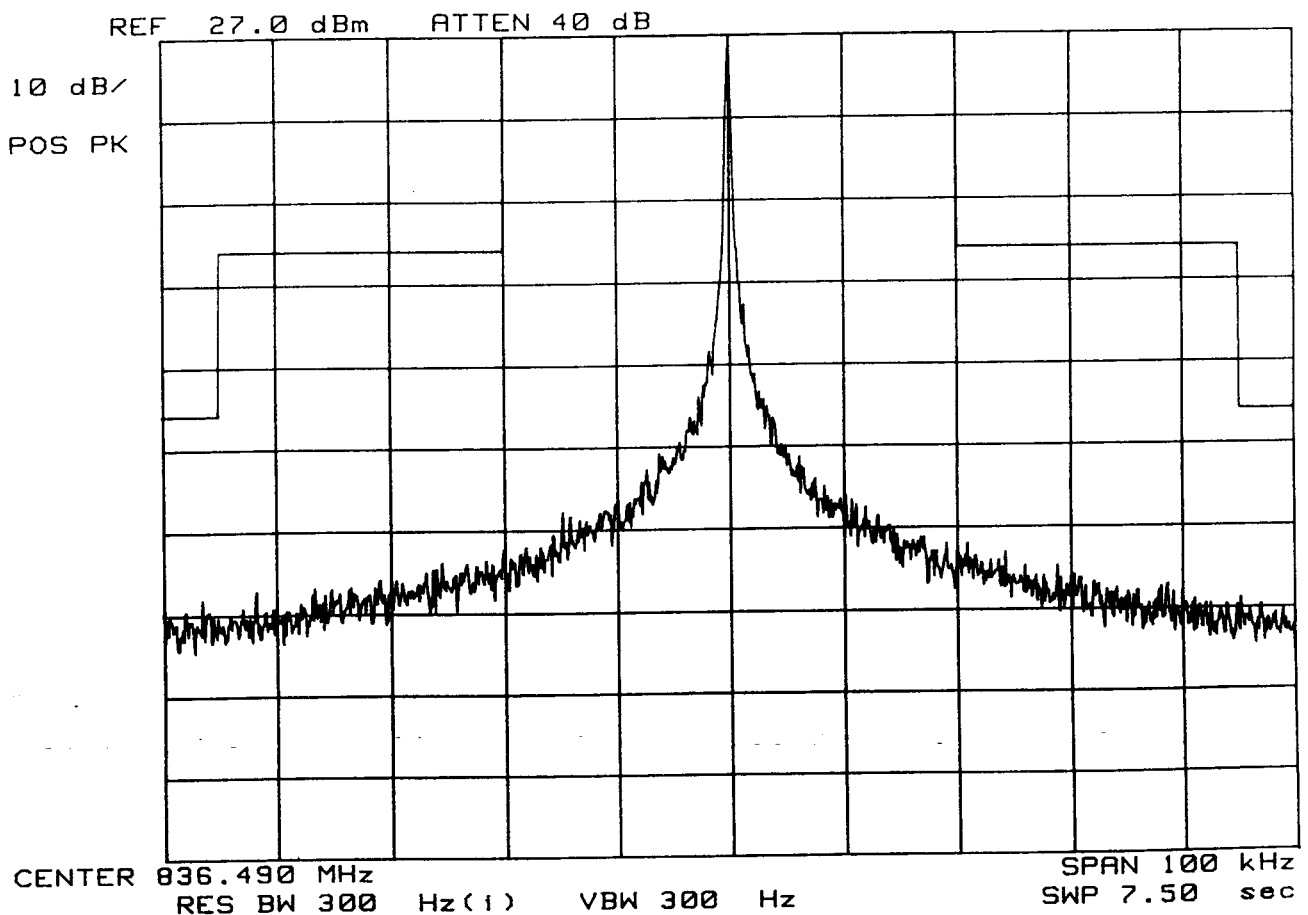
Dual-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode: Unmodulated Signal



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FCC ID:PP4DX - 20B

HYUNDAI CURITEL

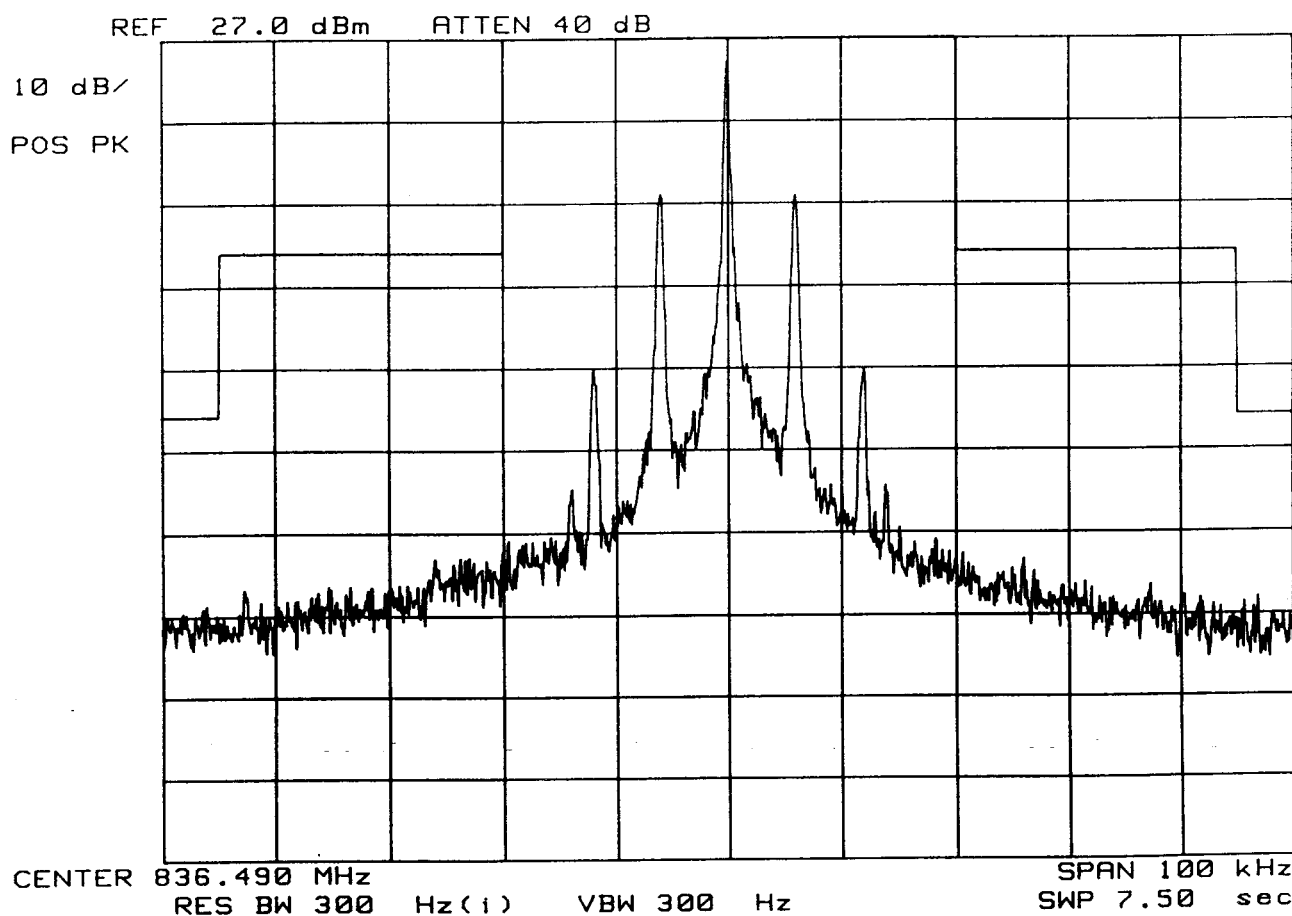
Dual-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT



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SPECTRUM ANALYZER PRESENTATION

FCC ID:PP4DX - 20B

HYUNDAI CURITEL

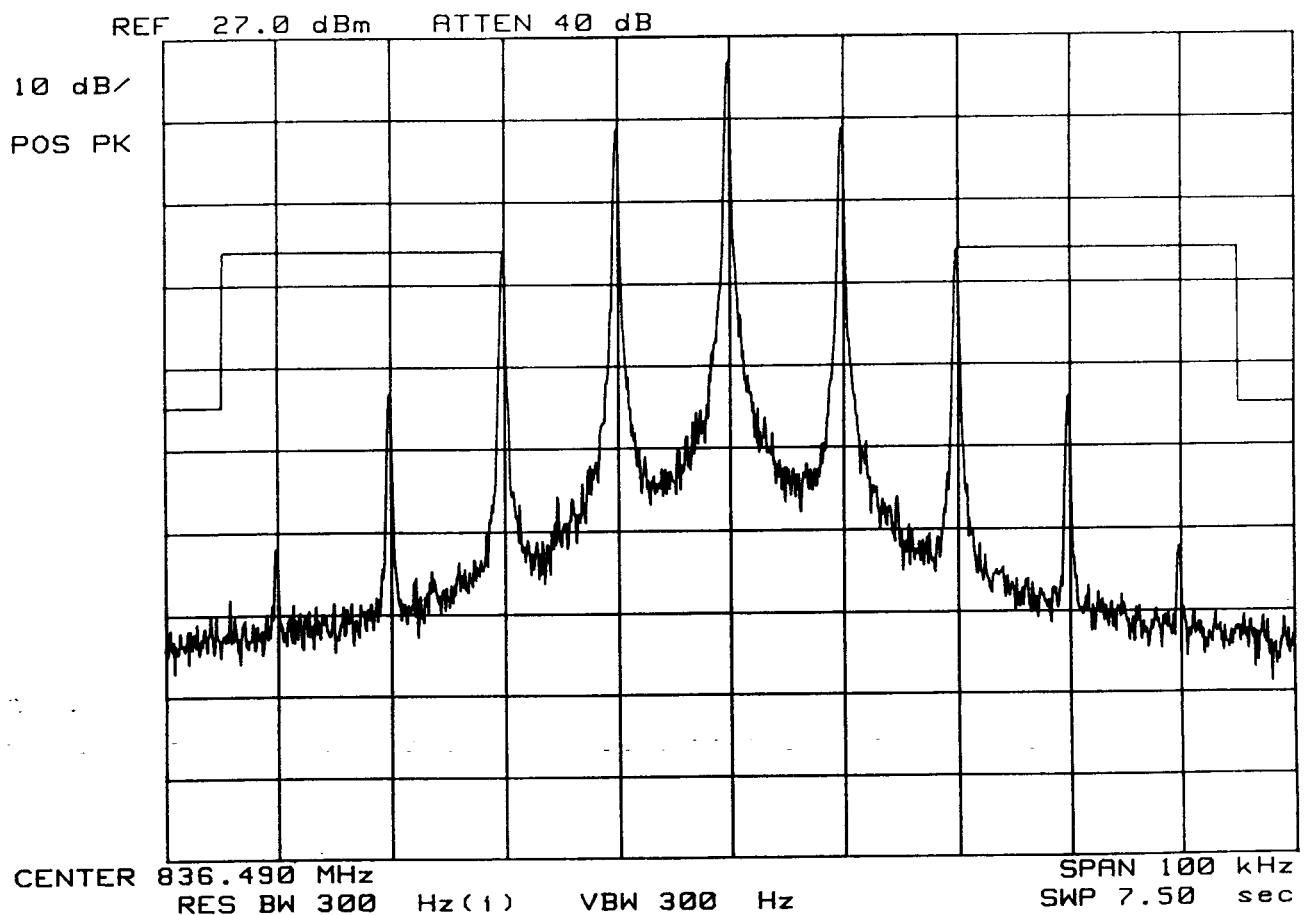
Dual-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:ST



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SPECTRUM ANALYZER PRESENTATION

FCC ID:PP4DX - 20B

HYUNDAI CURITEL

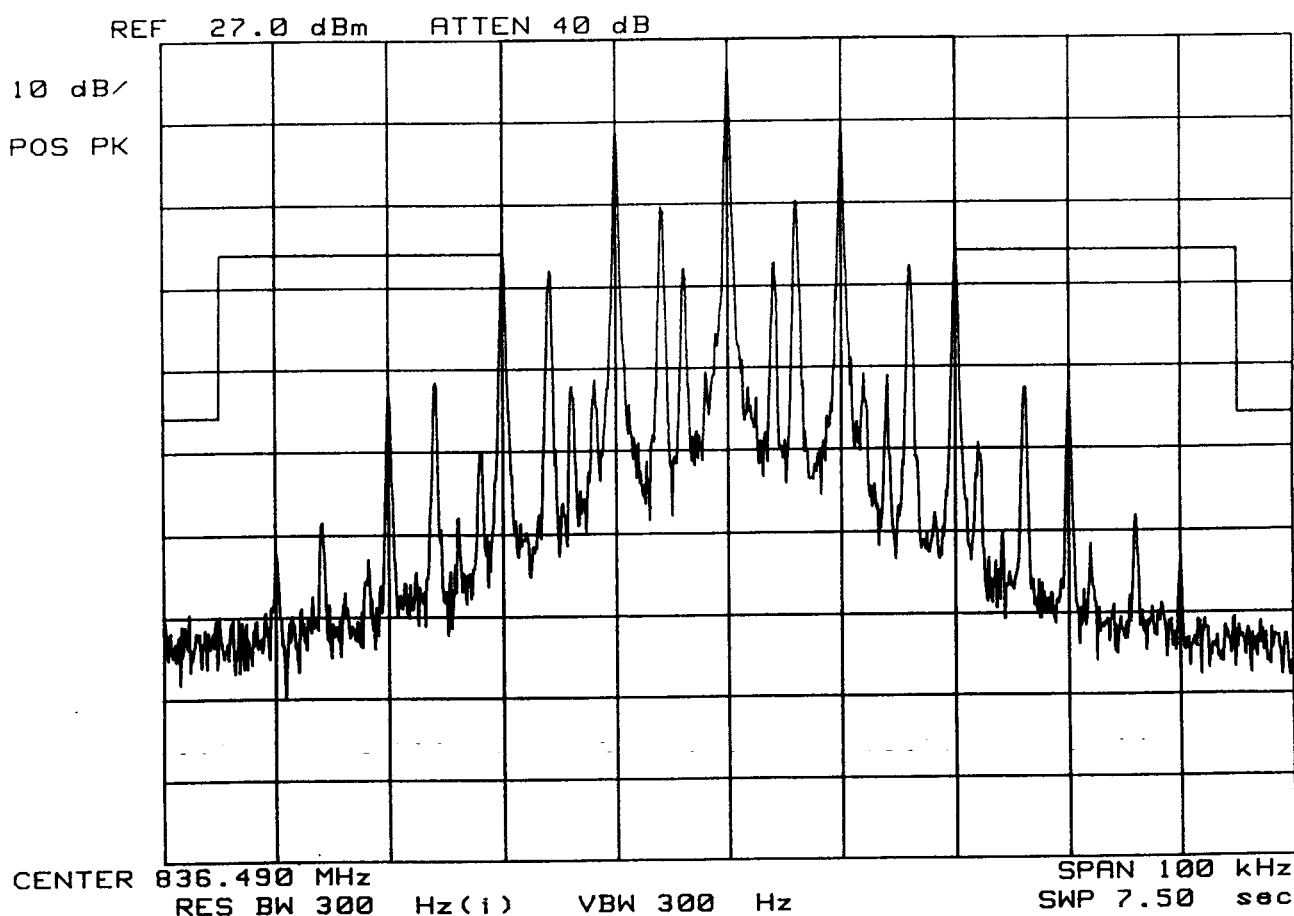
Dual-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT + ST



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SPECTRUM ANALYZER PRESENTATION

FCC ID:PP4DX - 20B

HYUNDAI CURITEL

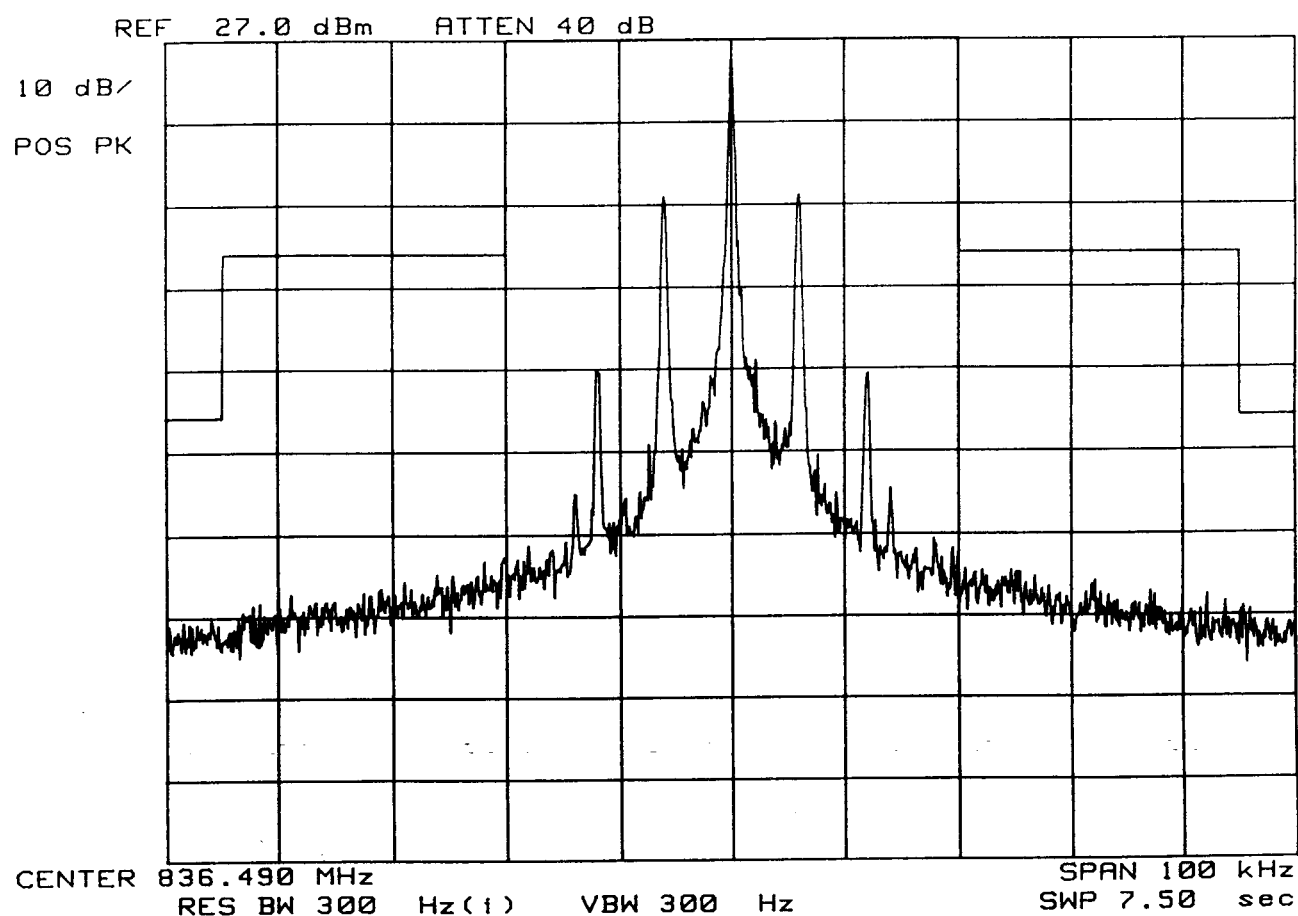
Dual-Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT + DTMF



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SPECTRUM ANALYZER PRESENTATION

FCC ID:PP4DX - 20B

HYUNDAI CURITEL

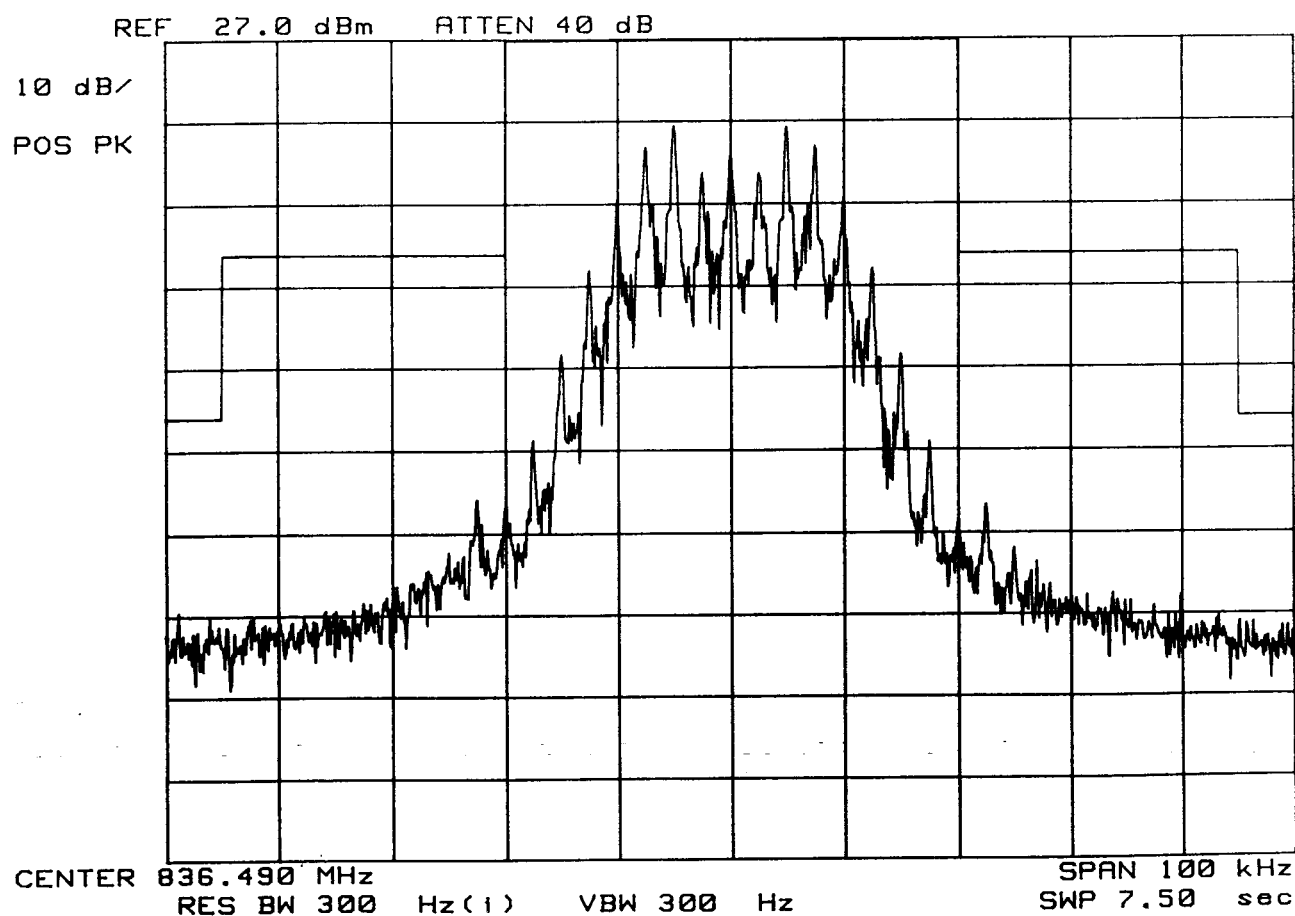
Dual Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Voice



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SPECTRUM ANALYZER PRESENTATION

FCC ID: PP4DX - 20B

HYUNDAI CURITEL

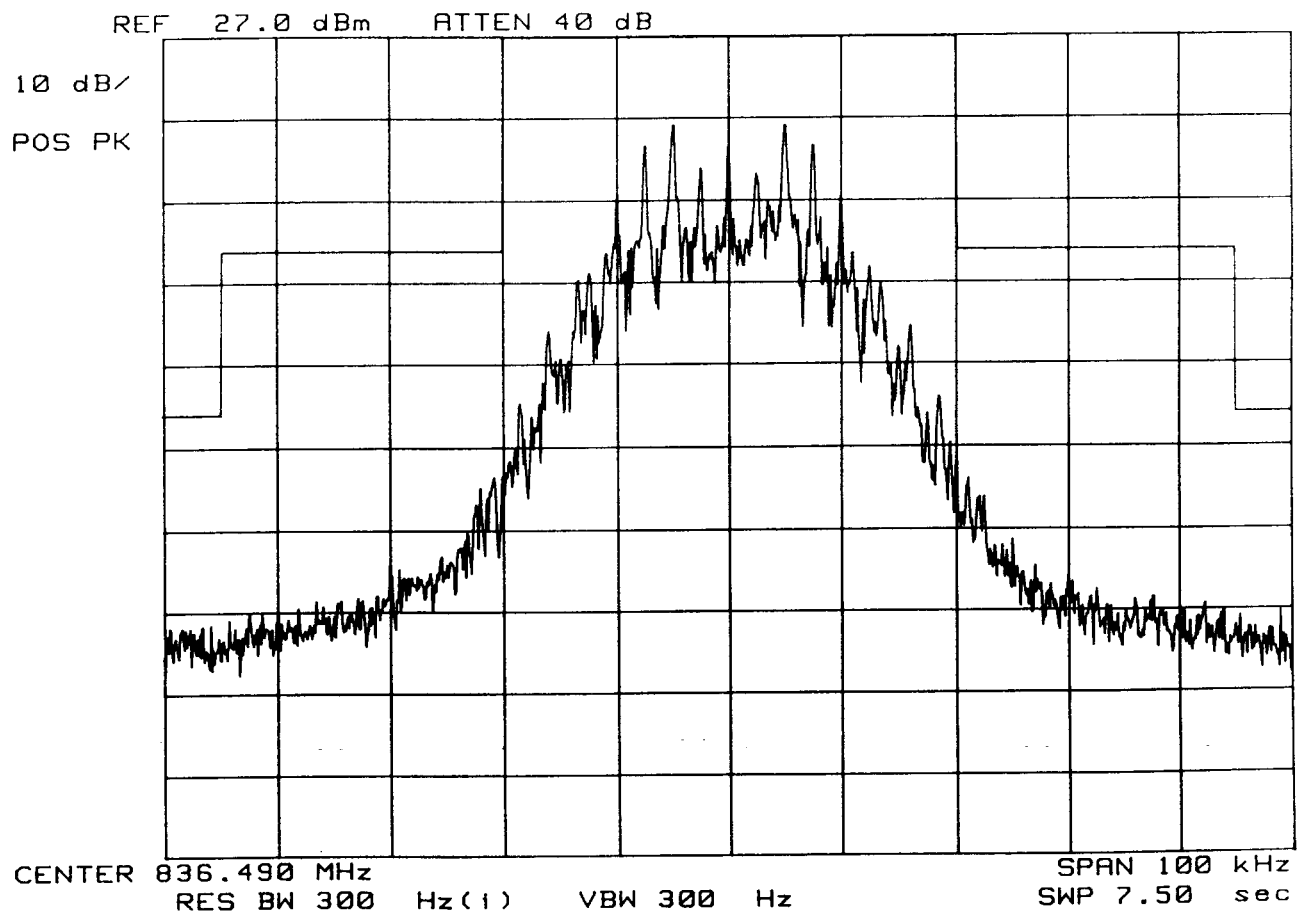
Dual Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode: SAT + Voice



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SPECTRUM ANALYZER PRESENTATION

FCC ID: PP4DX - 20B

HYUNDAI CURITEL

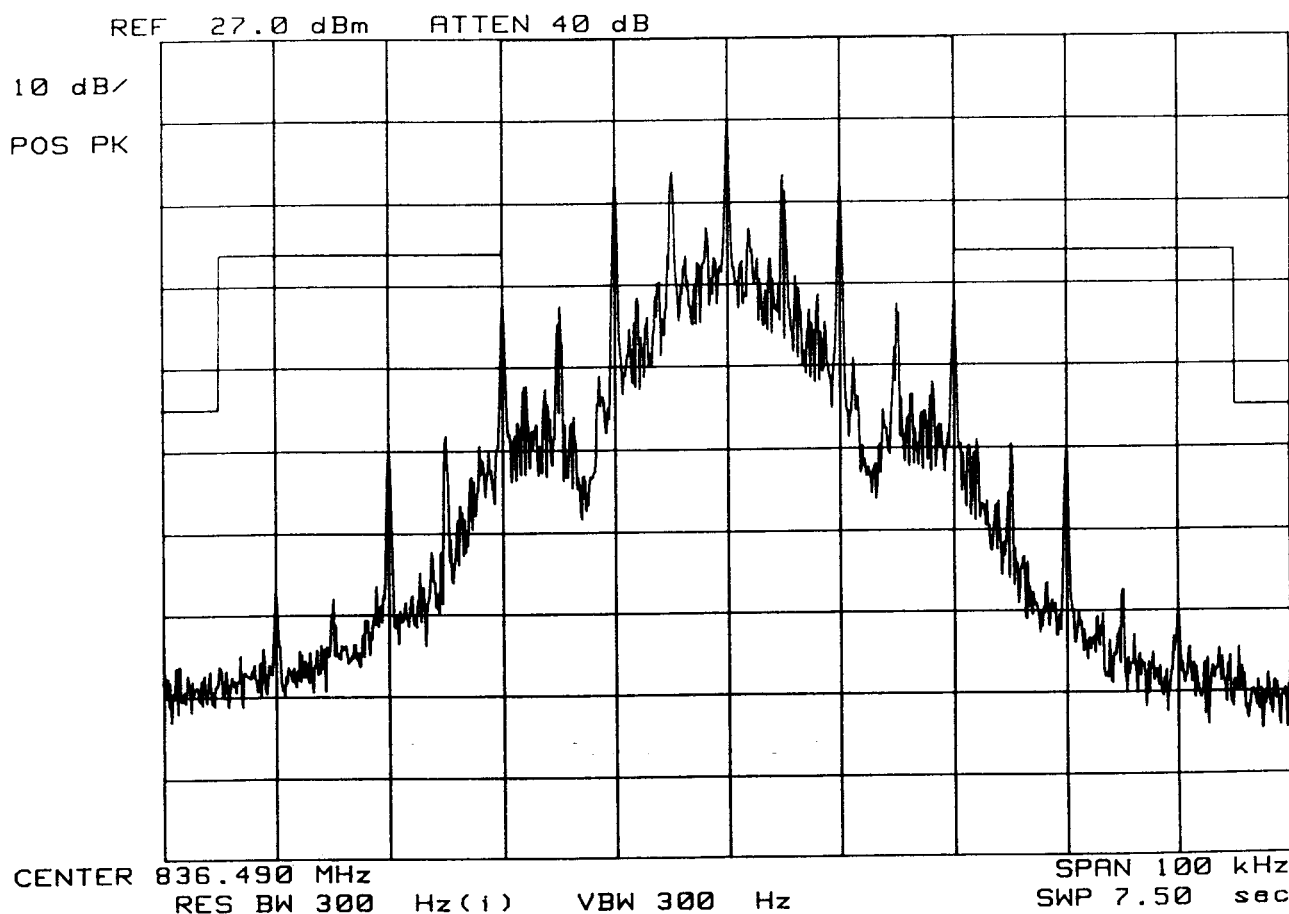
Dual Mode Phone

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode: Wide Band Data



hp FCC ID: PP4DX - 20B FM MODE

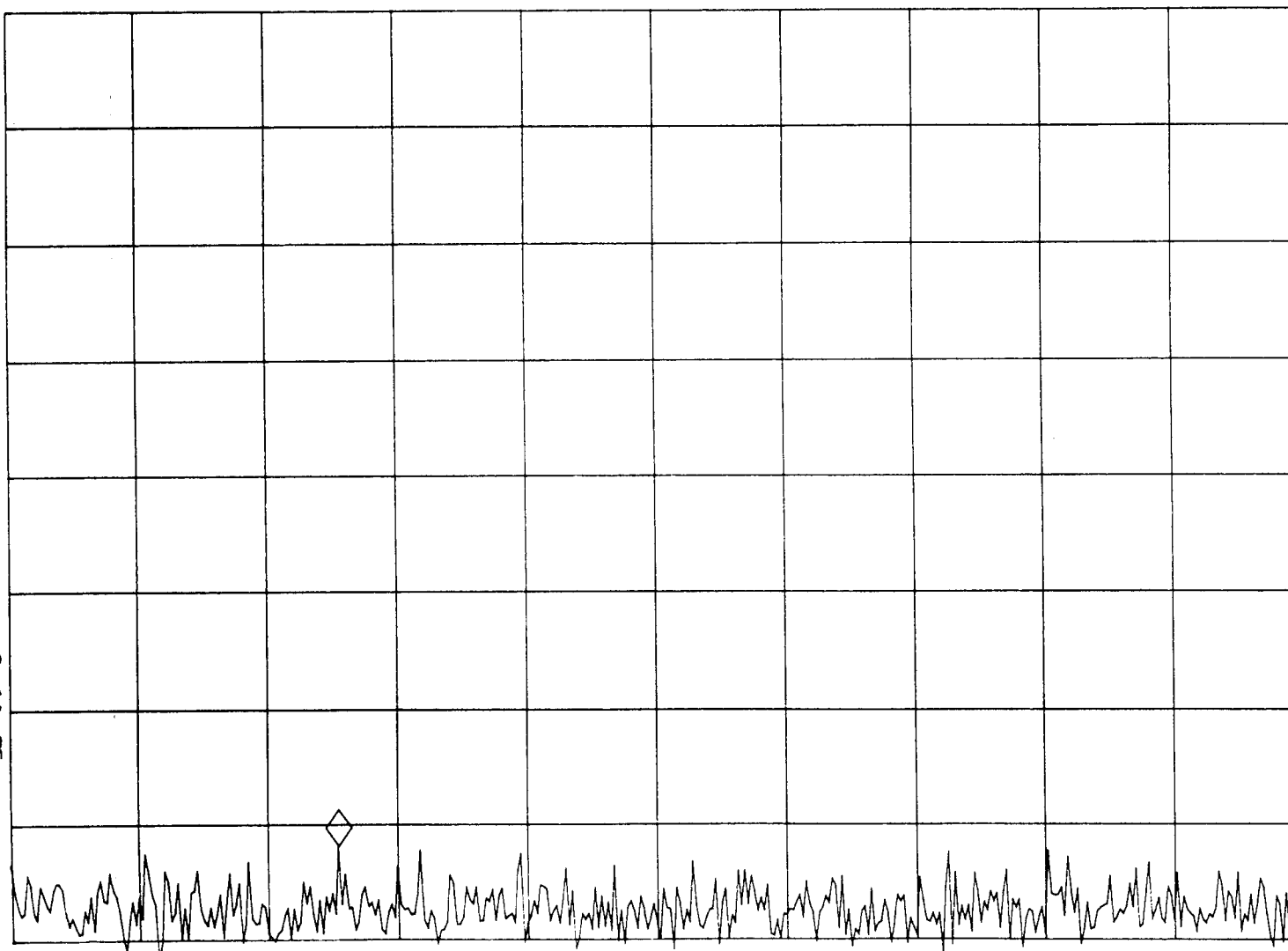
MKR 875.37 MHz

REF -60.0 dBm #ATTEN 10 dB PG 25.0 dB

-95.92 dBm

PEAK
LOG
5
dB/
OFFST
6.0
dB

VA SB
SC FC
CORR



START 869.00 MHz

STOP 894.00 MHz

#RES BW 100 kHz

#VBW 300 kHz

SWP 20 msec

FCC ID PP4DX - 20B Cond Spur FM Ch 0991

MKR 2.470 GHz

hp

REF 27.0 dBm ATTEN 40 dB + 20 dB

-32.80 dBm

10 dB/

POS PK

OFFSET

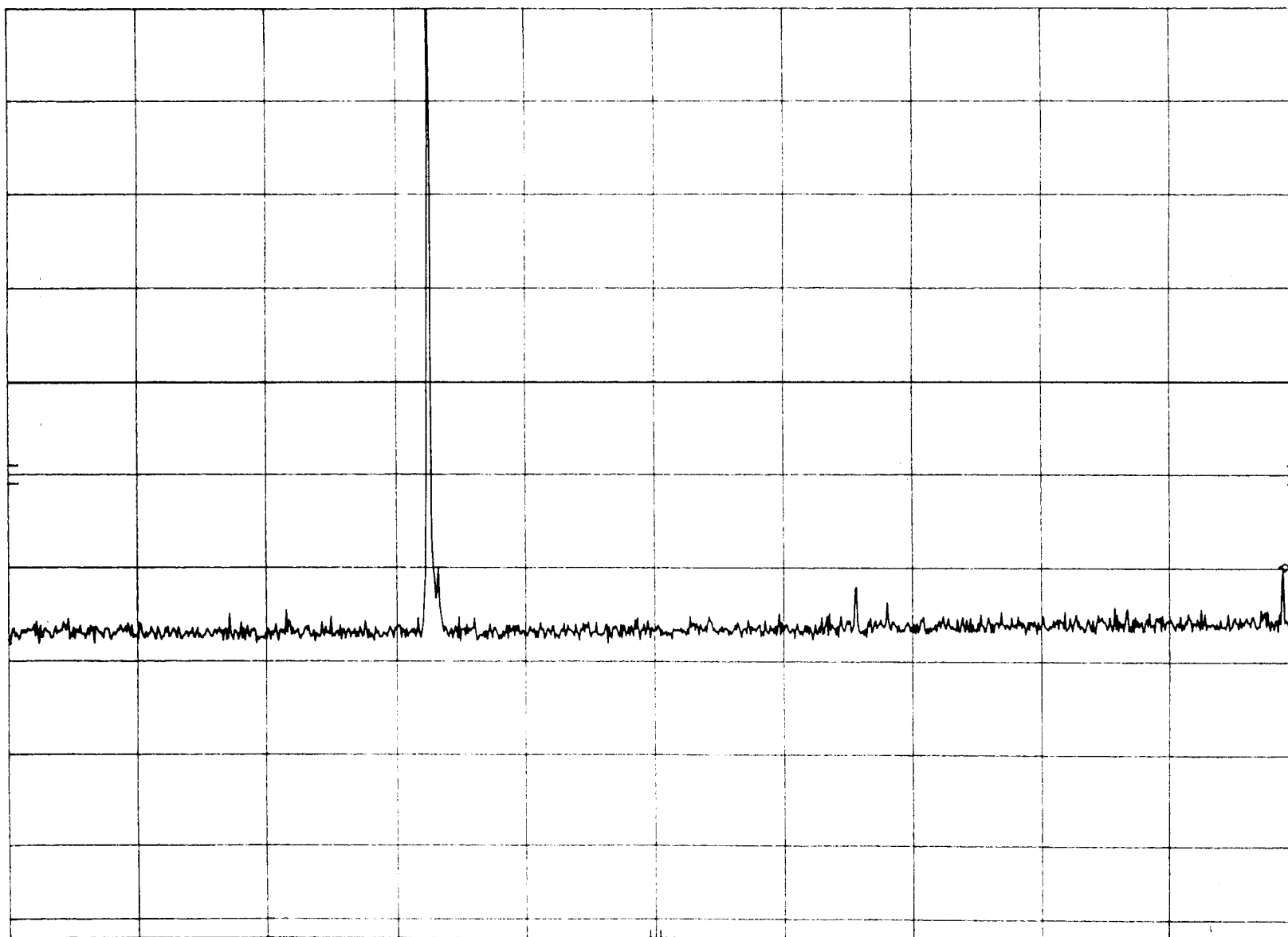
1.0

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID PP4DX - 20B Cond Spur FM Ch 0991

MKR 6.820 GHz

hp

REF 27.0 dBm ATTEN 40 dB + 20 dB

-29.30 dBm

10 dB/

POS PK

OFFSET

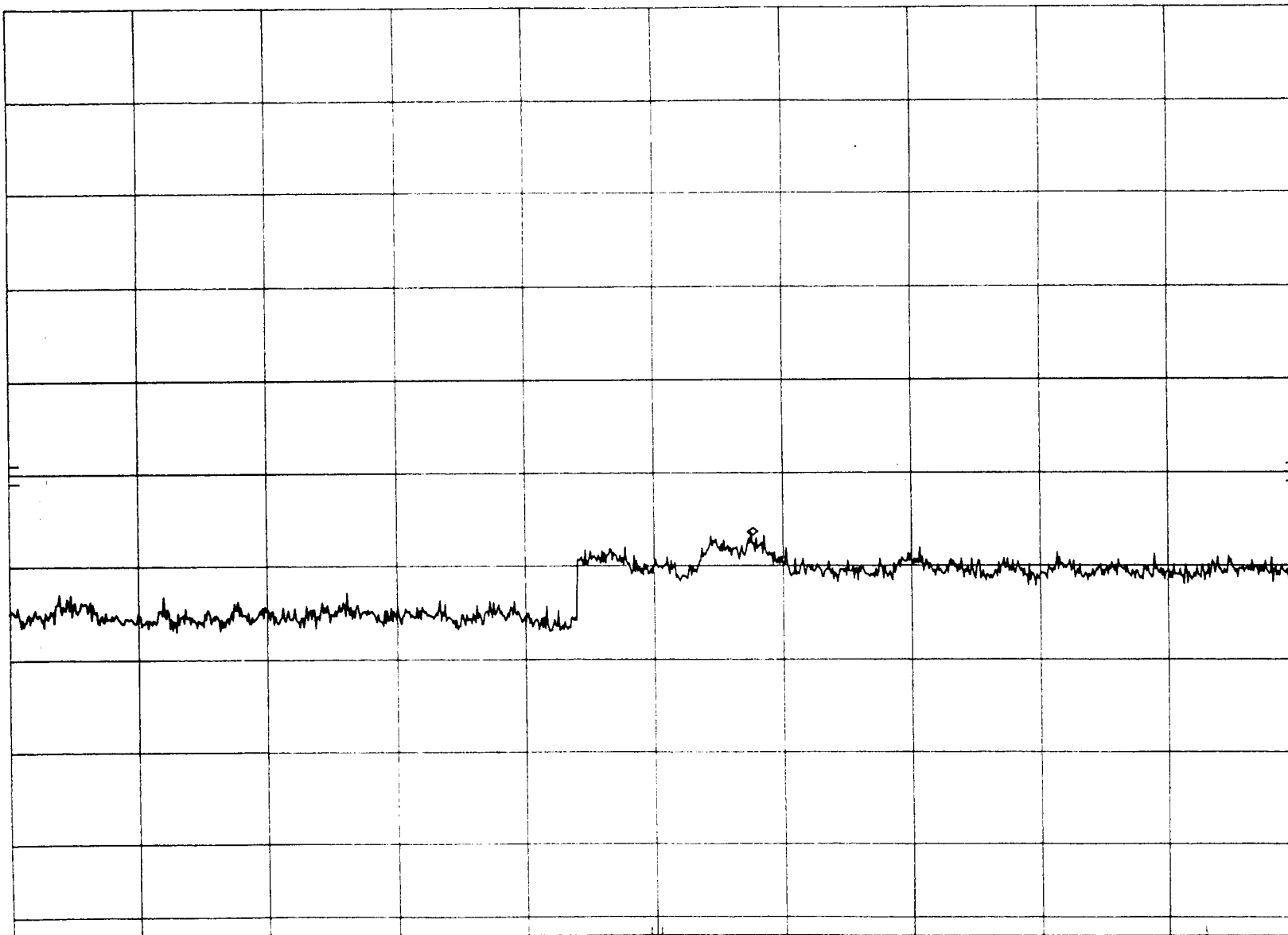
1.0

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz (1)

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID PP4DX - 20B Cond Spurs FM Ch 0383

MKR 1.671 GHz

hp

REF 27.0 dBm

ATTEN 40 dB + 20 dB

-32.40 dBm

10 dB/

POS PK

OFFSET

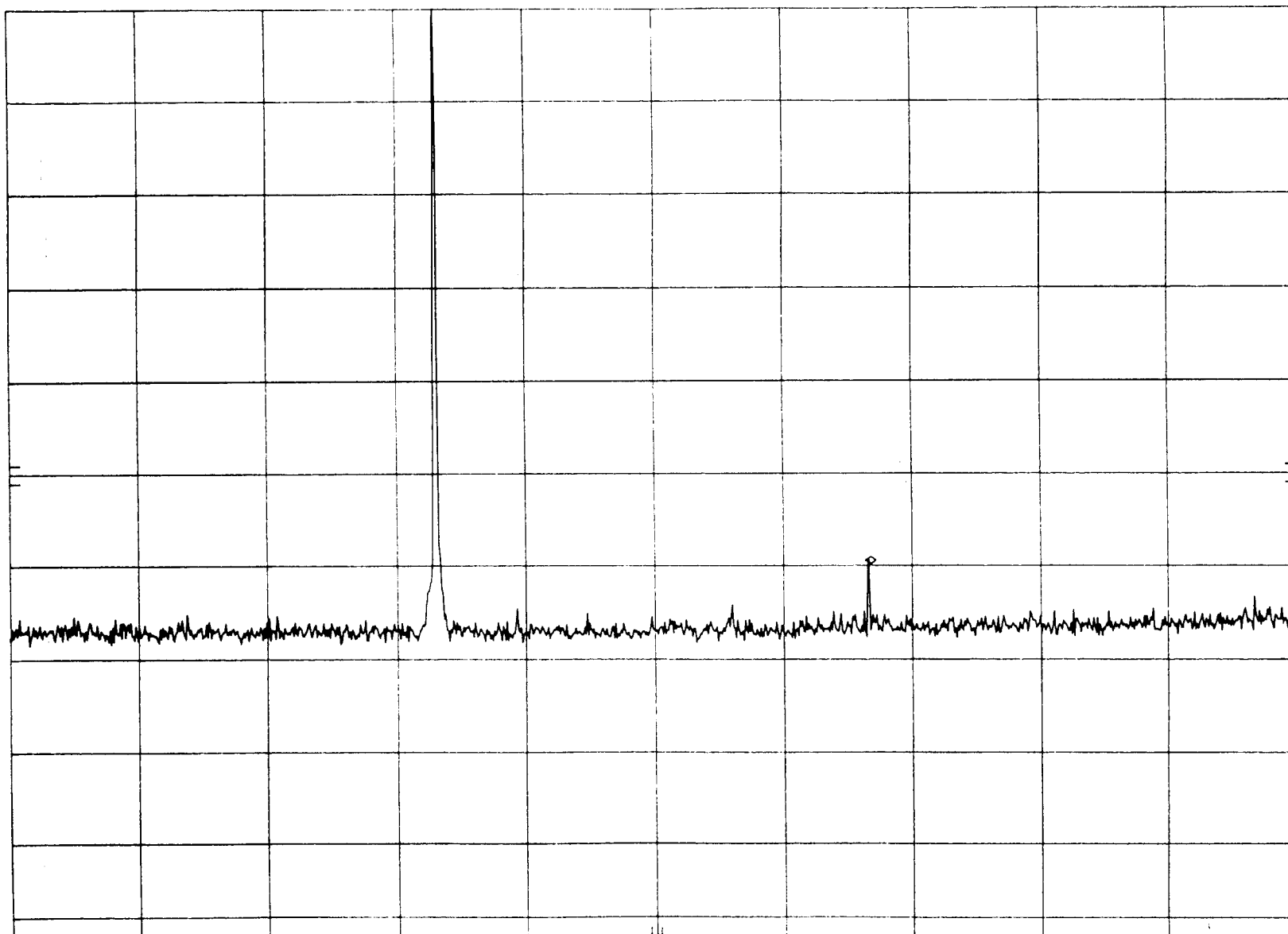
1.0

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID PP4DX - 20B Cond Spurs FM Ch 0383

MKR 6.678 GHz

hp

REF 27.0 dBm

ATTEN 40 dB + 20 dB

-28.50 dBm

10 dB/

POS PK

OFFSET

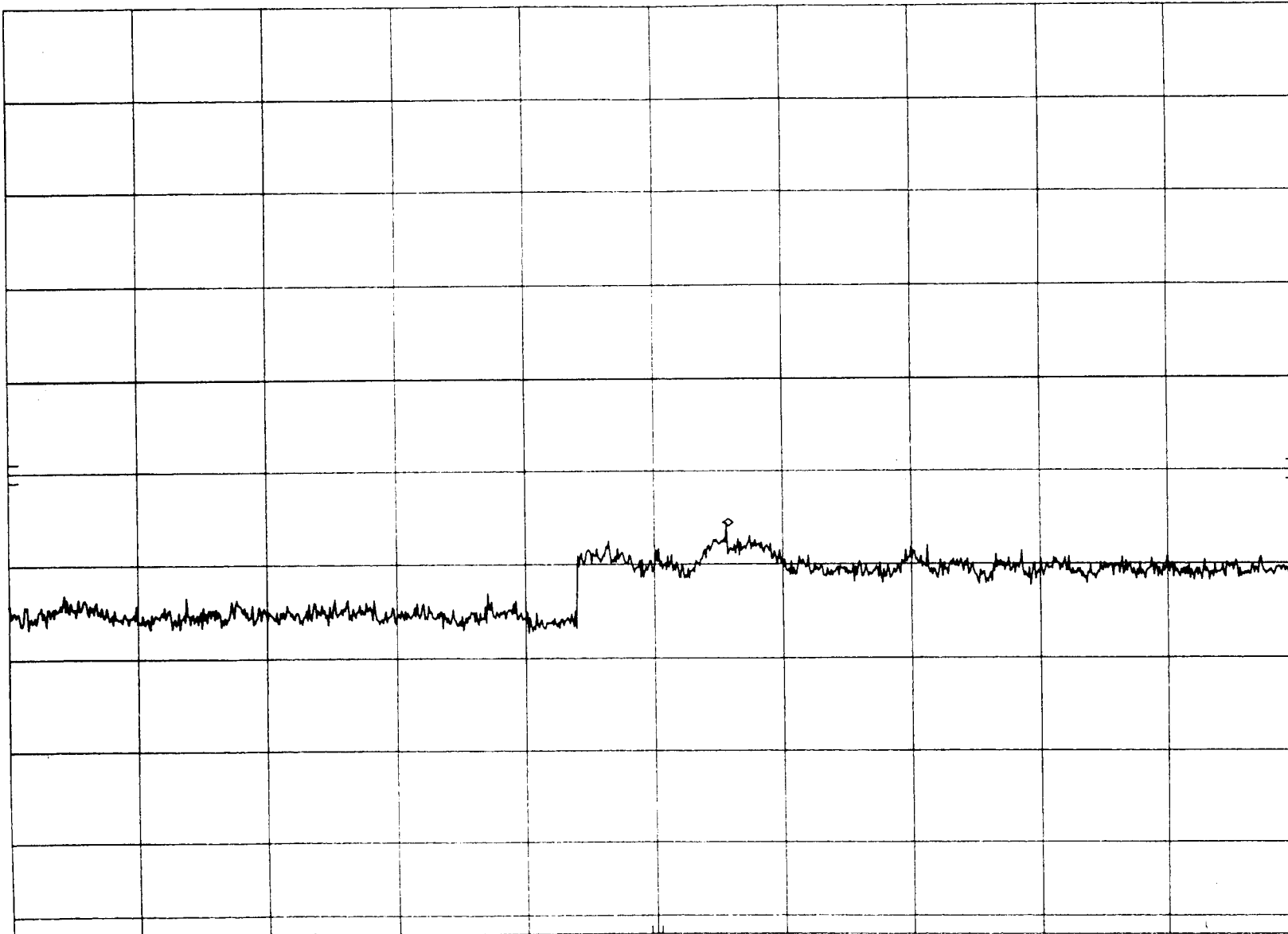
1.0

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID PP4DX - 20B Cond Spurs FM Ch 0799

MKR 1.693 GHz

hp

REF 27.0 dBm

ATTEN 40 dB + 20 dB

-32.80 dBm

10 dB/

POS PK

OFFSET

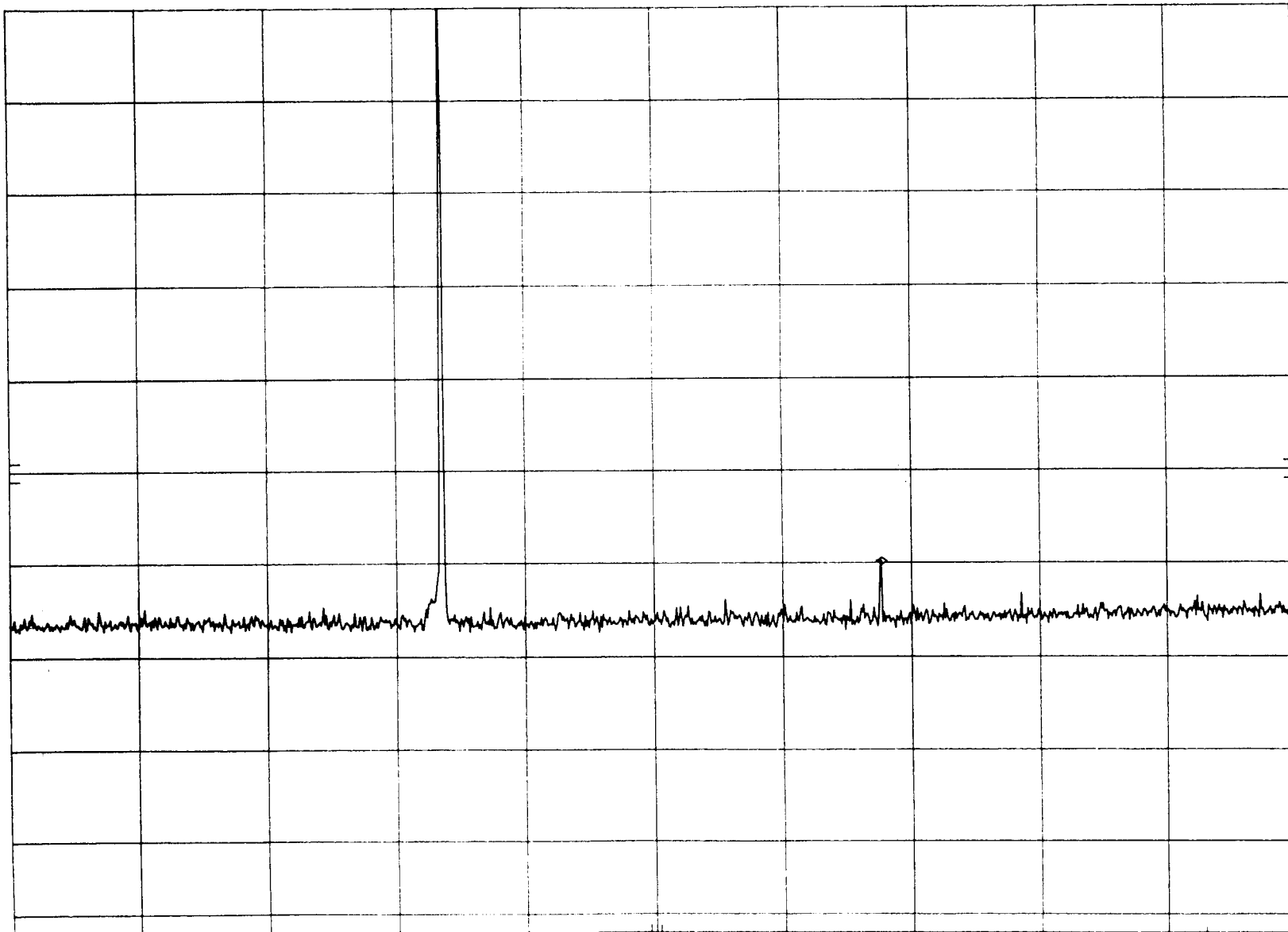
1.0

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID PP4DX - 20B

Cond Spurs FM Ch 0799

MKR 6.618 GHz

REF 27.0 dBm

ATTEN 40 dB + 20 dB

-29.40 dBm

hp

10 dB/

POS PK

OFFSET

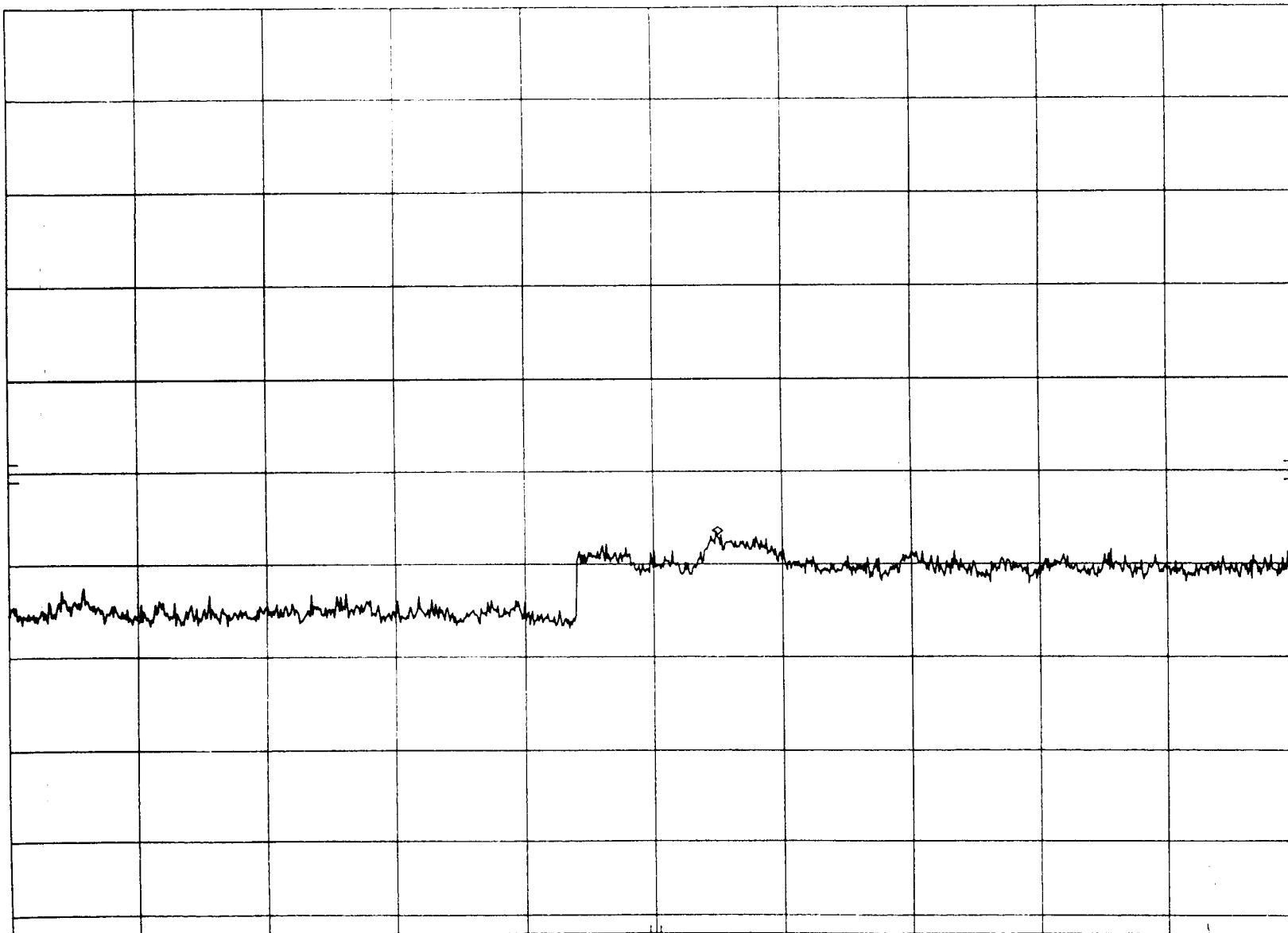
1.0

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID PP4DX - 20B Cond Spurs CDMA Ch 0777

MKR 827 MHz

REF 25.5 dBm ATTEN 40 dB + 20 dB

-27.30 dBm

hp

10 dB/

POS PK

OFFSET

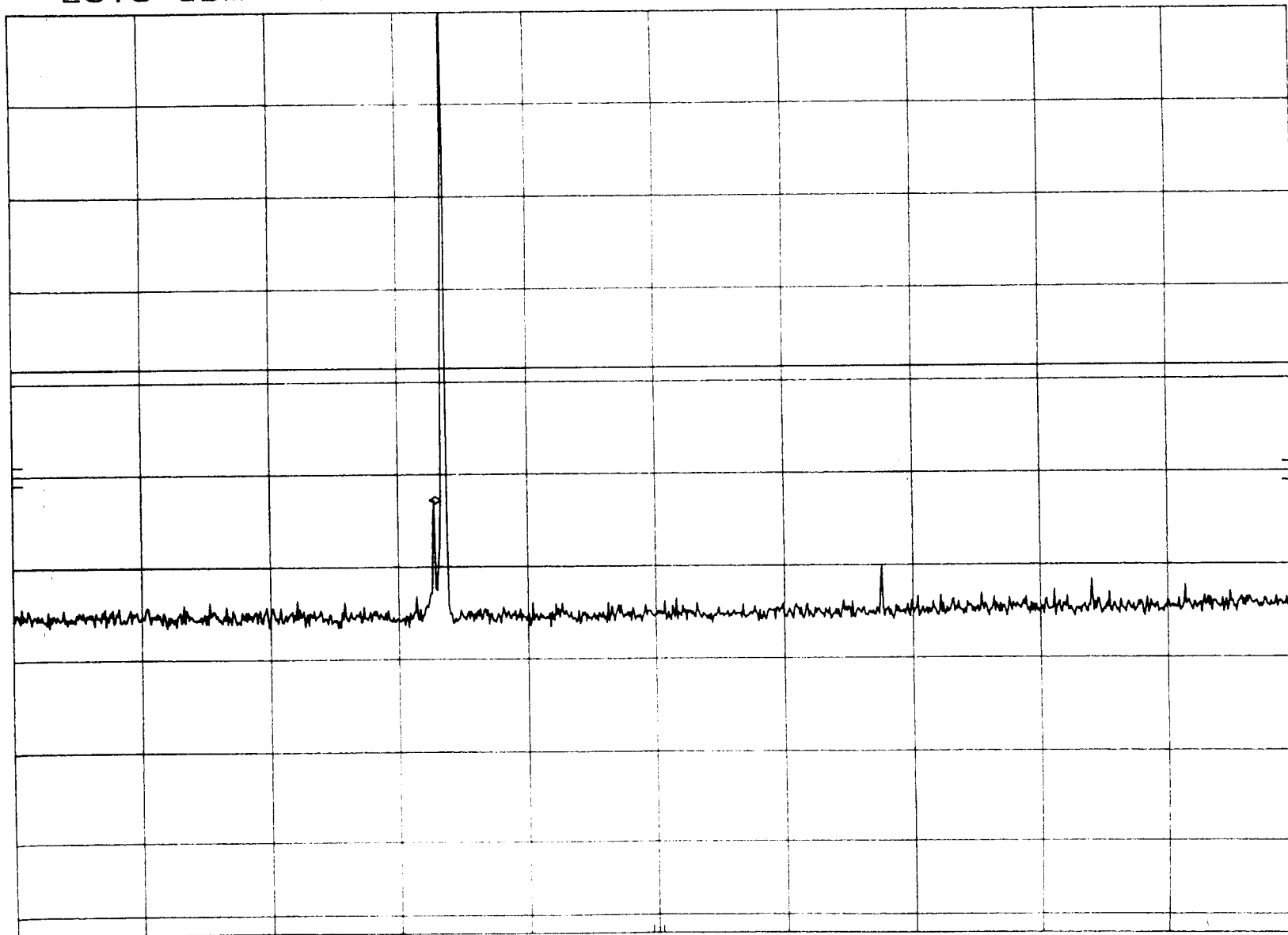
1.0

dB

DL

-13.0

dBm



CENTER 1.25 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 2.49 GHz

SWP 62.3 msec

FCC ID PP4DX - 20B Cond Spurs CDMA Ch 0777

MKR 6.618 GHz

hp

REF 25.5 dBm

ATTEN 40 dB + 20 dB

-29.70 dBm

10 dB/

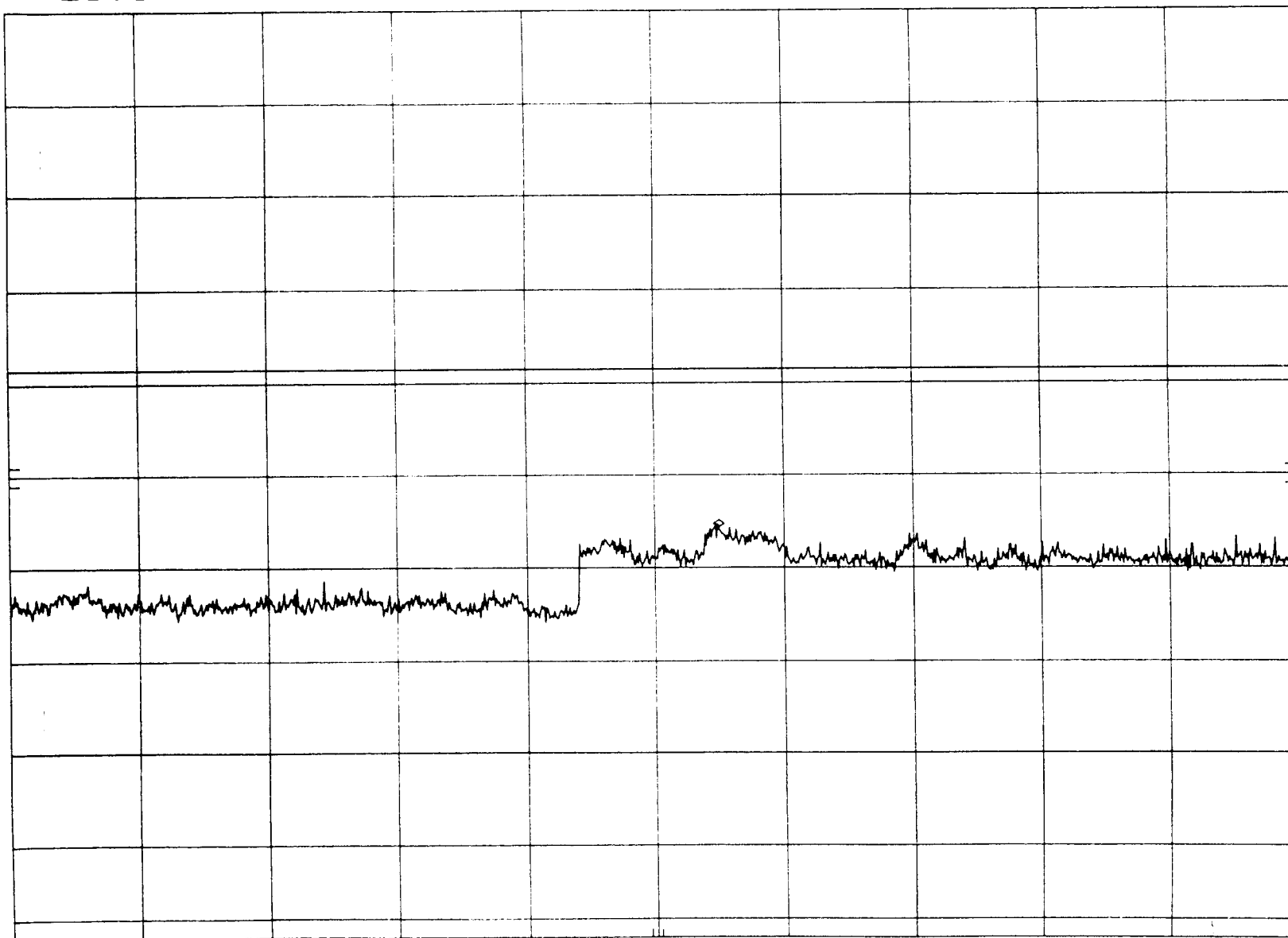
POS PK

OFFSET

1.0
dB

DL

-13.0
dBm



START 2.50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID PP4DX - 20B Cond Spurs CDMA Ch 1013

MKR 814 MHz

hp

REF 25.5 dBm

ATTEN 40 dB + 20 dB

-31.50 dBm

10 dB/

POS PK

OFFSET

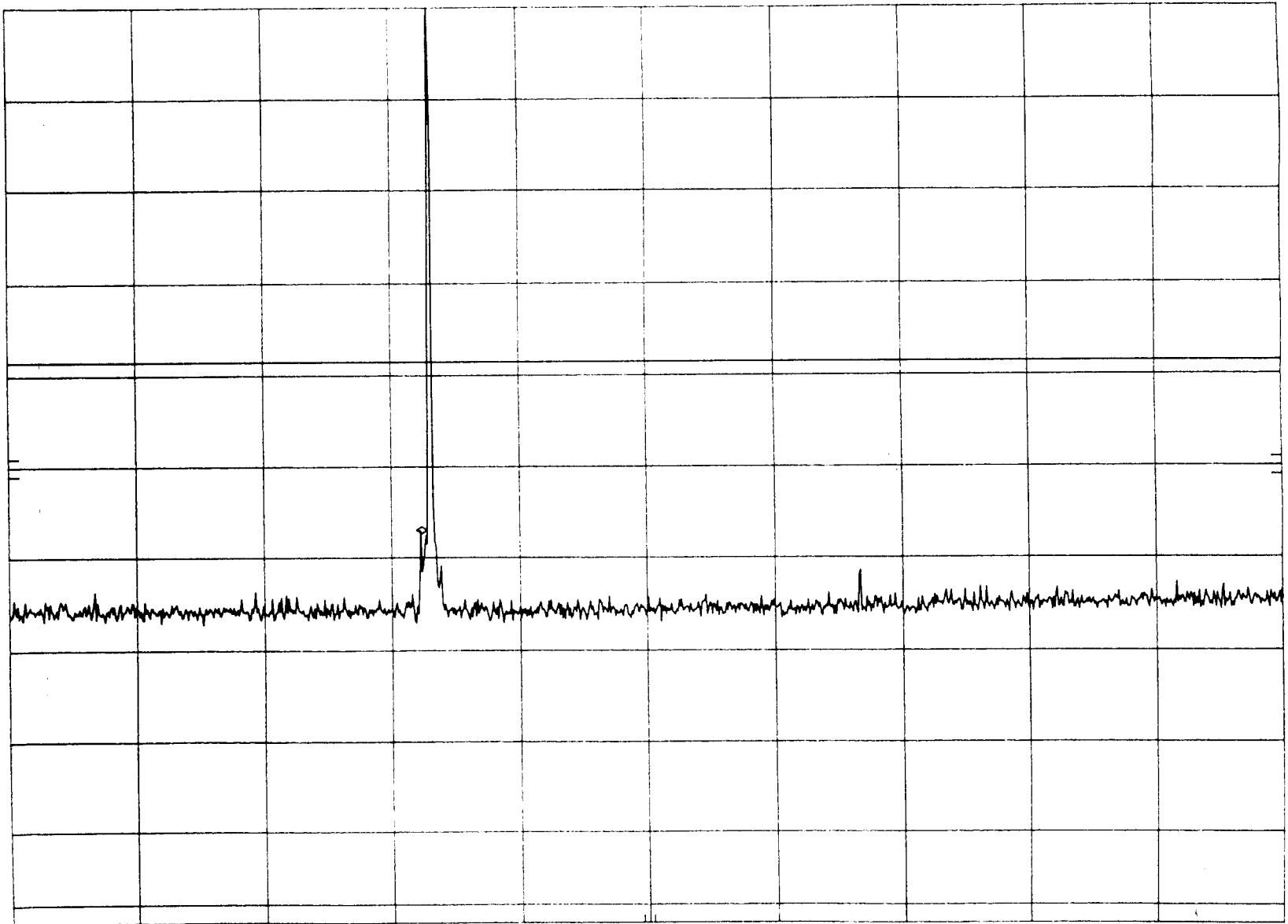
1.0

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID PP4DX - 20B Cond Spurs CDMA Ch 1013

MKR 6.100 GHz

hp

REF 25.5 dBm

ATTEN 40 dB + 20 dB

-29.70 dBm

10 dB/

POS PK

OFFSET

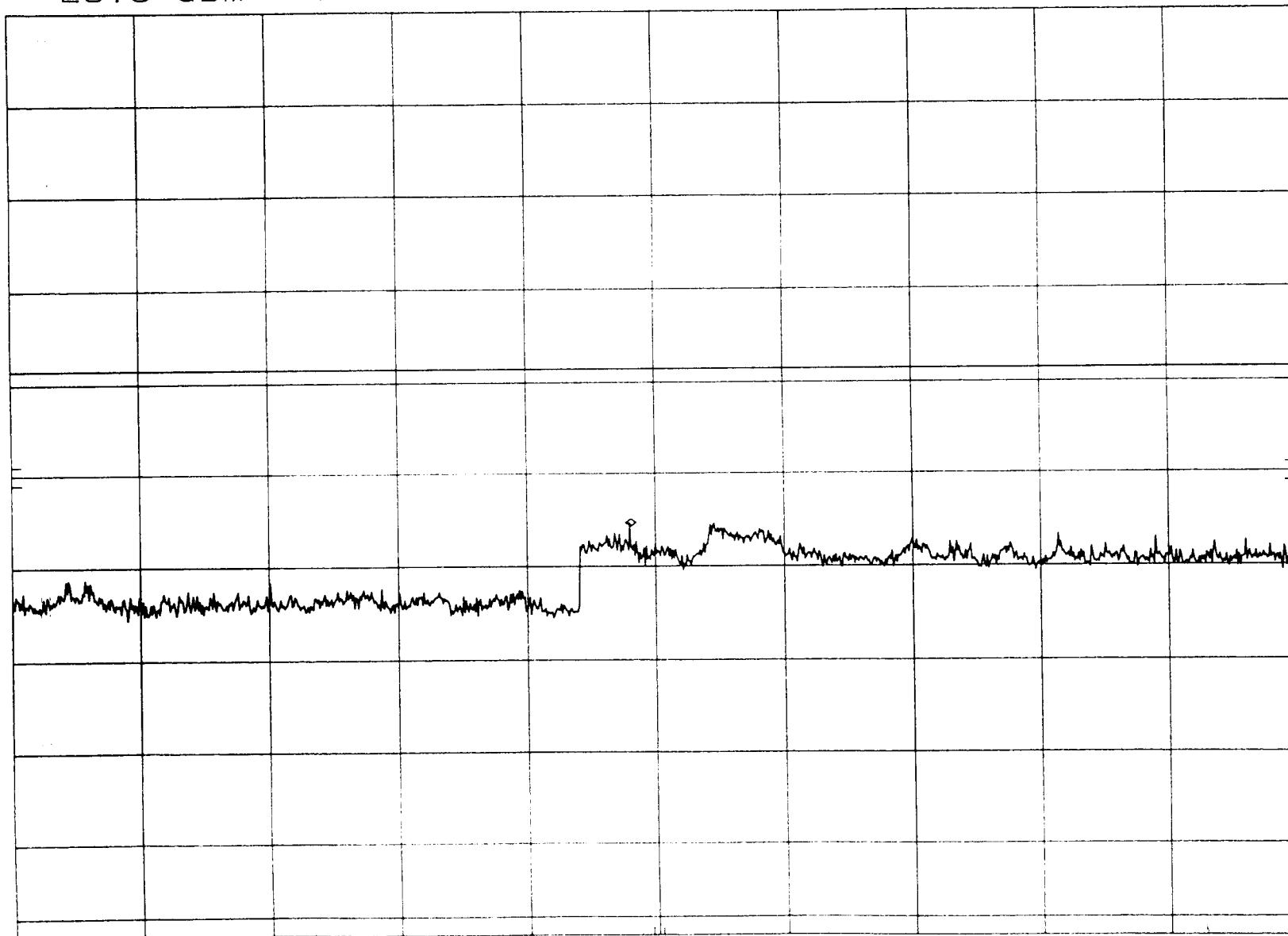
1.0

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz (1)

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID PP4DX - 20B Cond Spurs CDMA Ch 0363

MKR 814 MHz

hp

REF 25.5 dBm ATTEN 40 dB + 20 dB

-30.00 dBm

10 dB/

POS PK

OFFSET

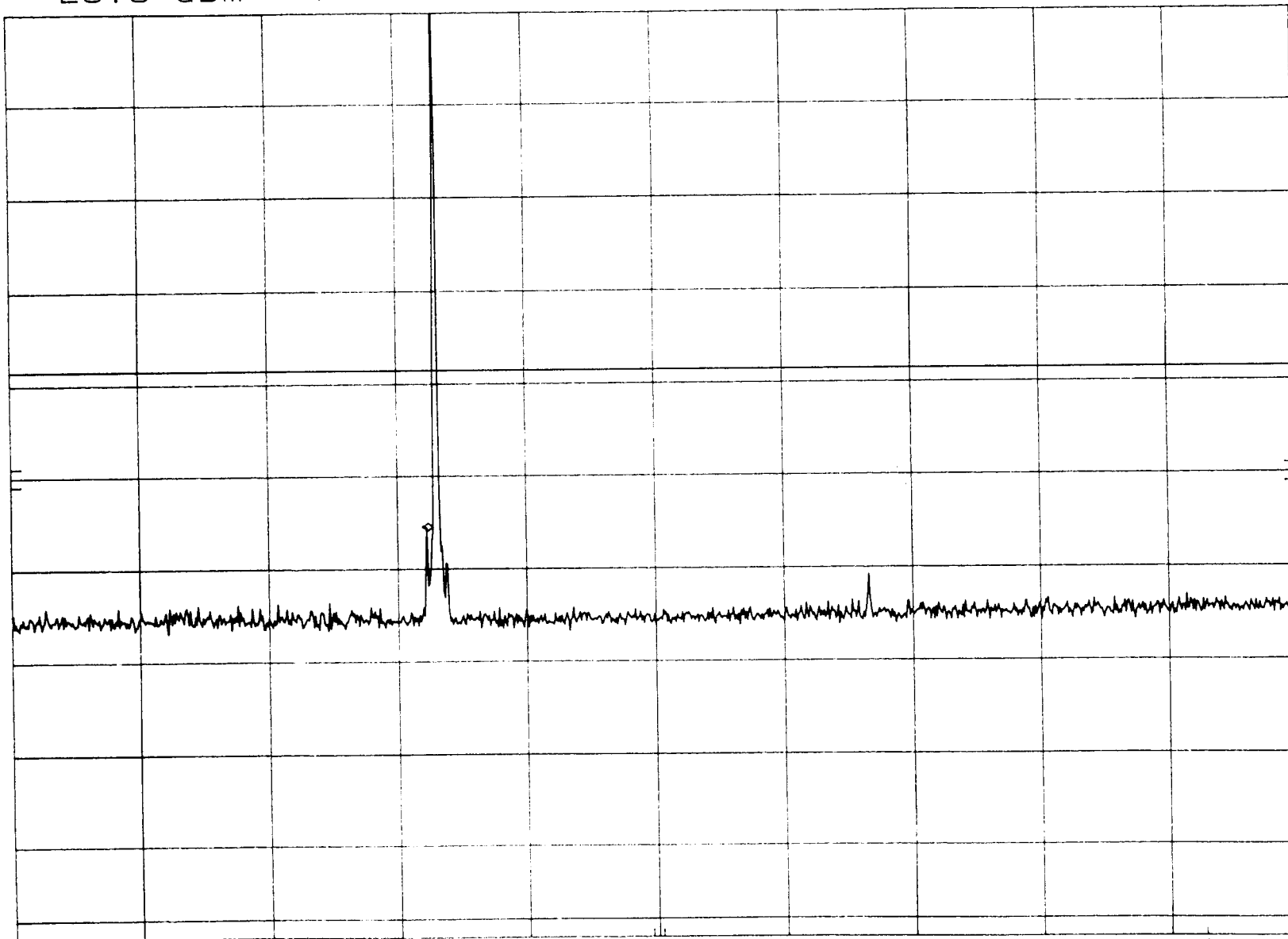
1.0

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID PP4DX - 20B Cond Spurs CDMA Ch 0363

MKR 6.250 GHz

REF 25.5 dBm ATTEN 40 dB + 20 dB

-33.10 dBm

hp

10 dB/

POS PK

OFFSET

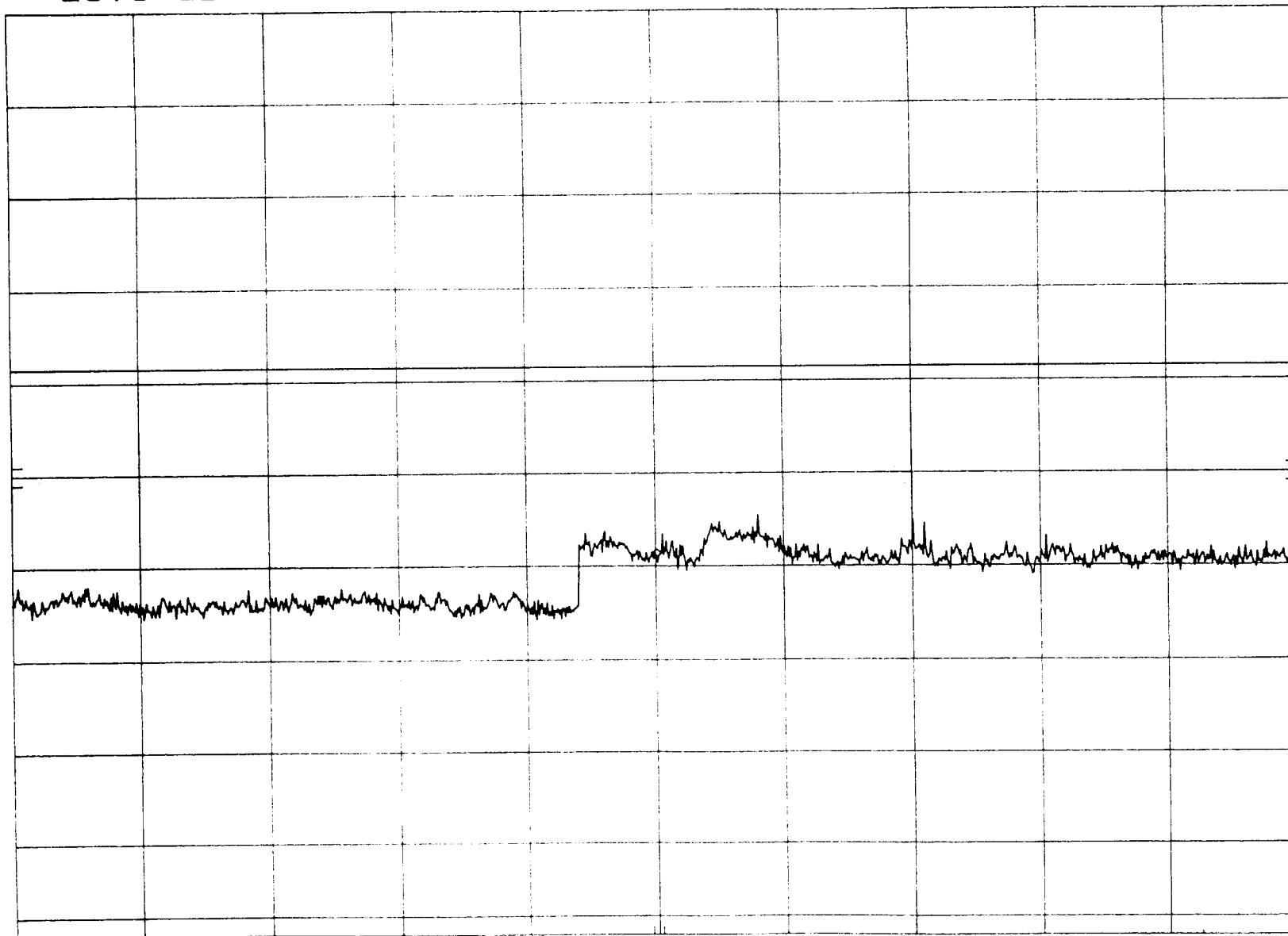
1.0

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID PP4DX - 20B POWER OUT CDMA Ch 1013
REF 25.5 dBm ATTEN 40 dB + 20 dB

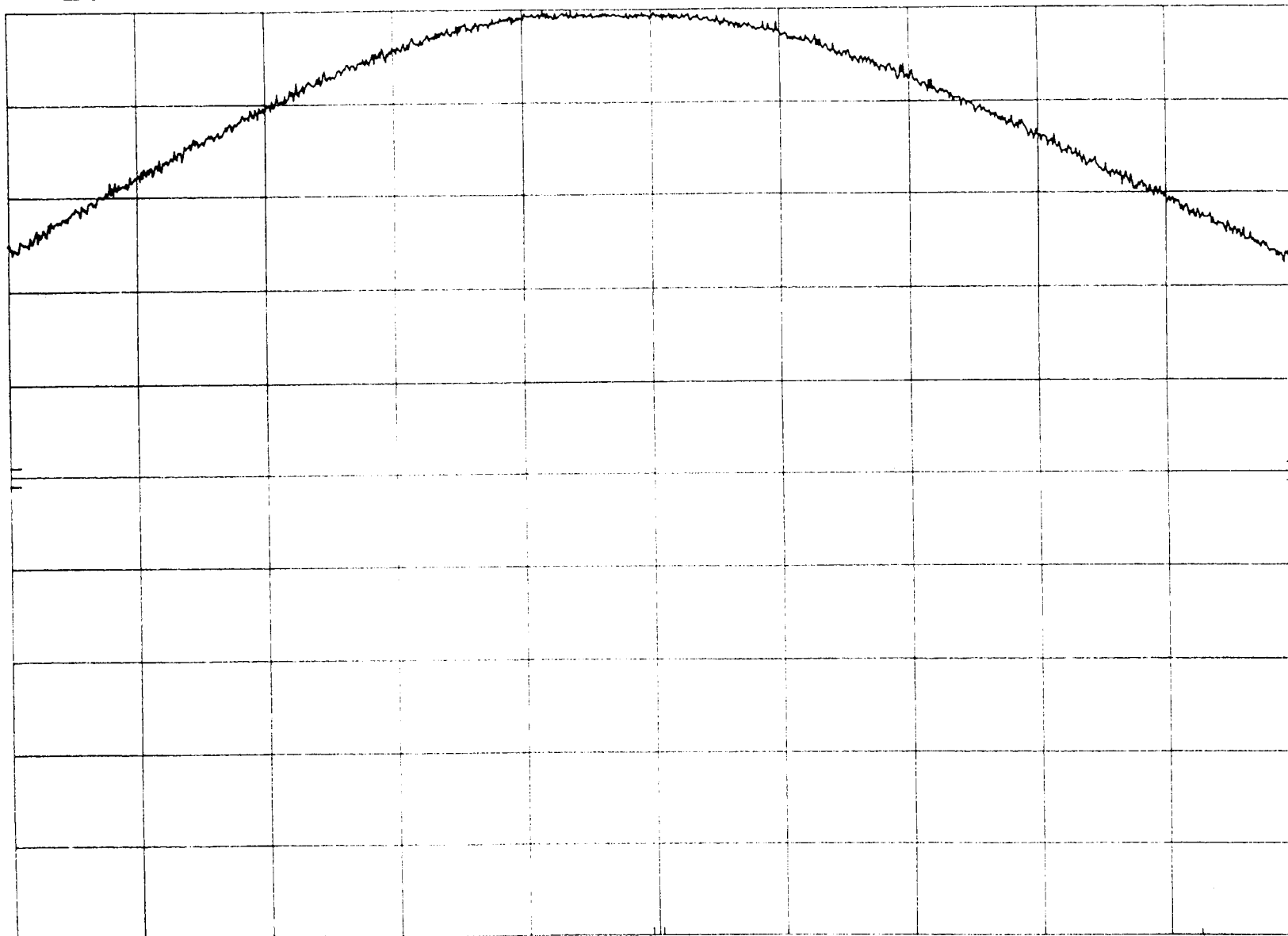
hp

10 dB/

POS PK

OFFSET

1.0
dB



CENTER 824.7 MHz

RES BW 3 MHz (1)

VBW 3 MHz

SPAN 10.0 MHz
SWP 20.0 msec

FCC ID PP4DX - 20B POWER OUT CDMA Ch 0363

hp

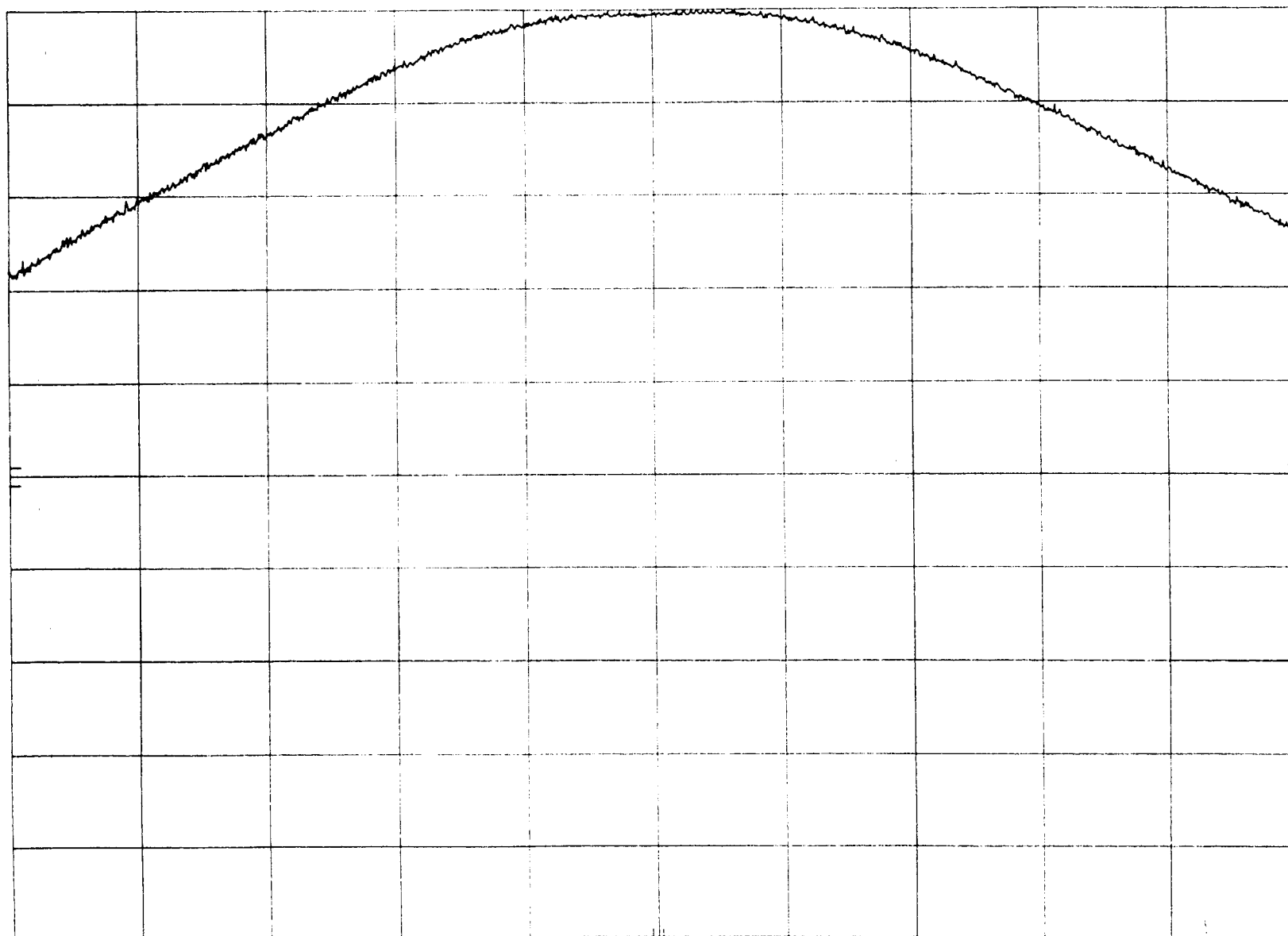
REF 25.5 dBm ATTEN 40 dB + 20 dB

10 dB/

POS PK

OFFSET

1.0
dB



CENTER 835.9 MHz

RES BW 3 MHz (i)

VBW 3 MHz

SPAN 10.0 MHz

SWP 20.0 msec

FCC ID PP4DX - 20B POWER OUT CDMA Ch 0777

REF 25.5 dBm ATTEN 40 dB + 20 dB

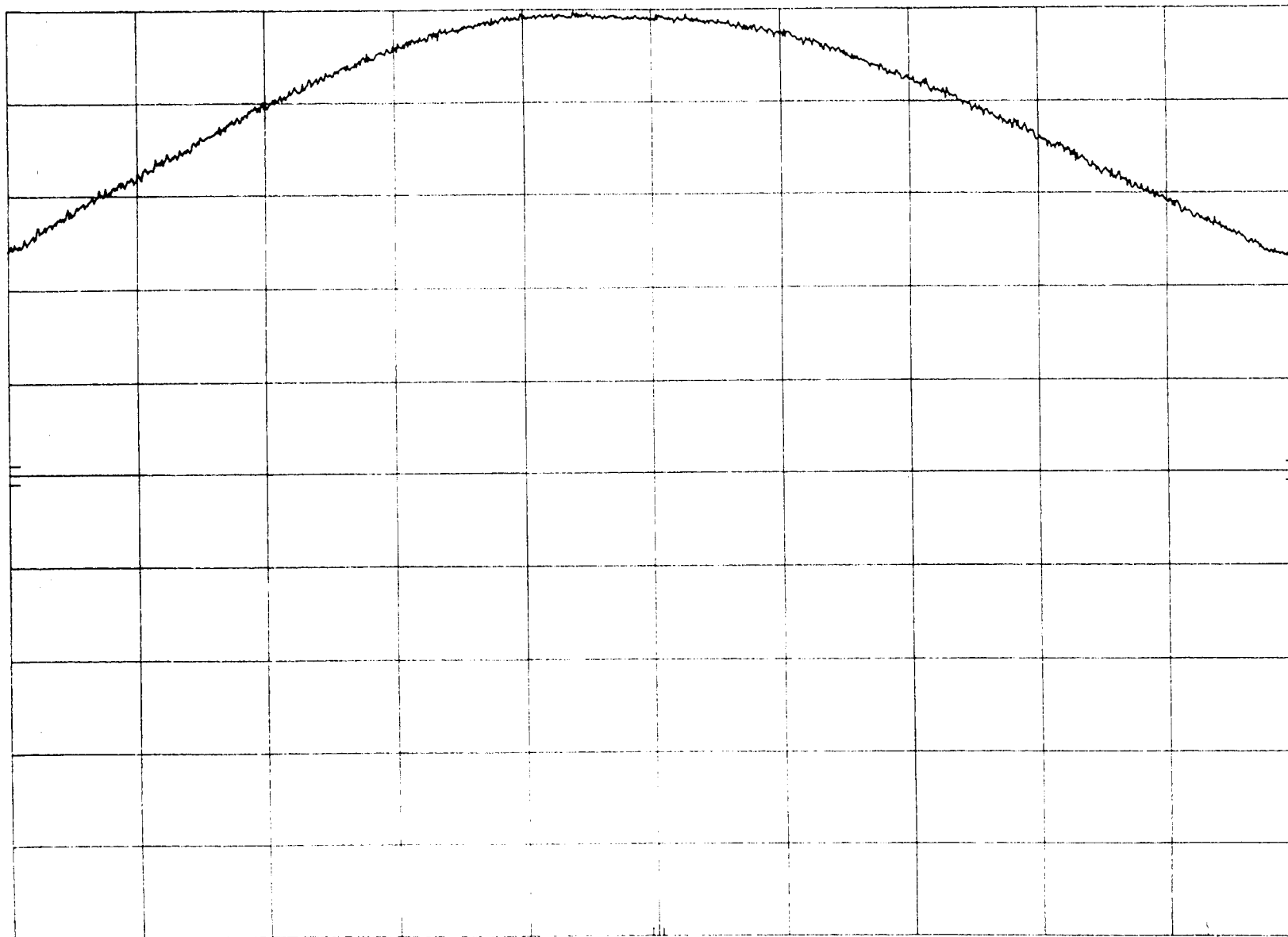
hp

10 dB/

POS PK

OFFSET

1.0
dB



CENTER 848.3 MHz

RES BW 3 MHz (i)

VBW 3 MHz

SPAN 10.0 MHz

SWP 20.0 msec

FCC ID PP4DX - 20B BAND EDGE CDMA Ch 1013

hp

REF 25.5 dBm ATTEN 40 dB + 20 dB

10 dB/

POS PK

OFFSET

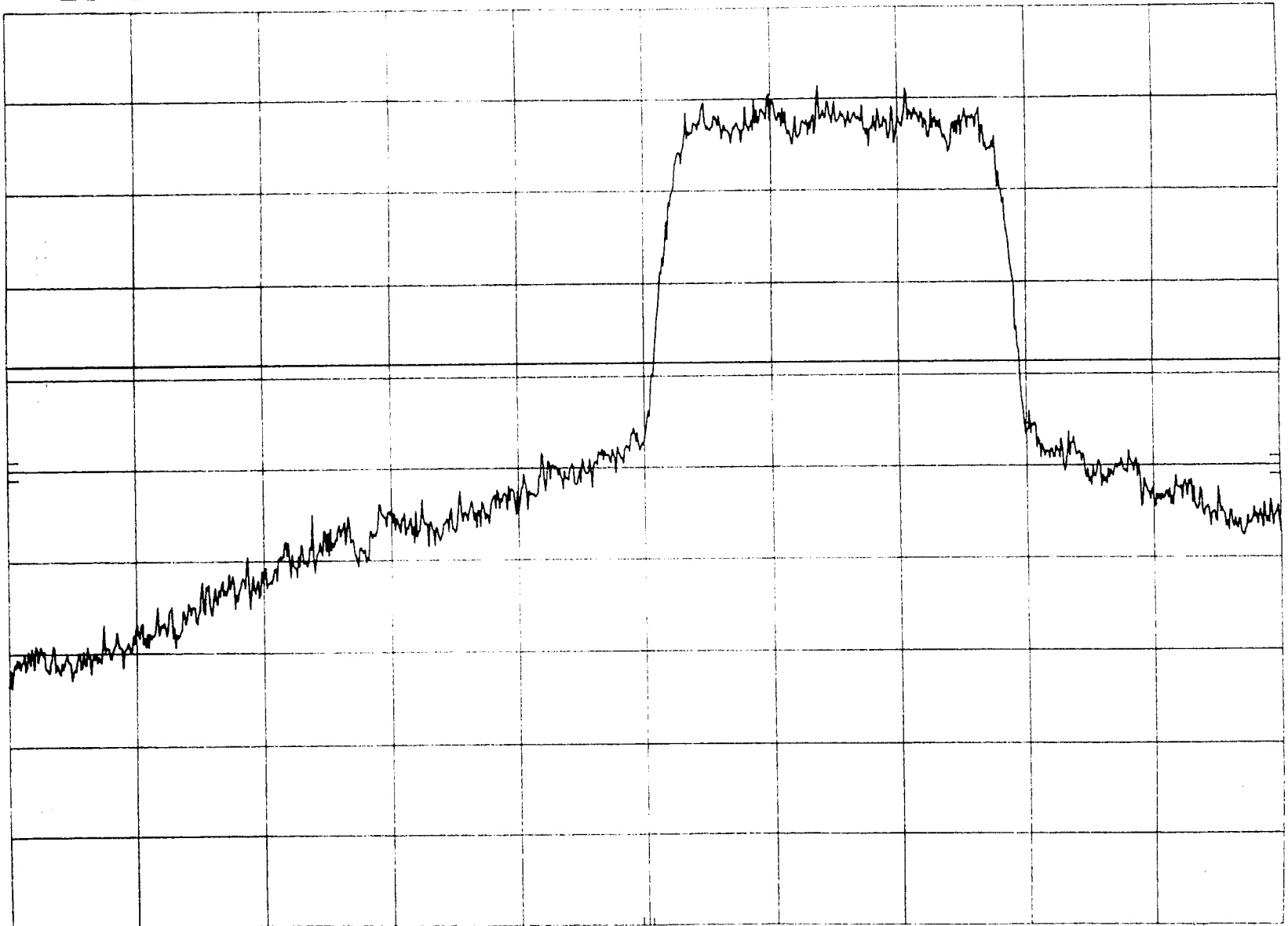
1.0

dB

DL

-13.0

dBm



CENTER 824.00 MHz

RES BW 30 kHz (1)

VBW 30 kHz

SPAN 5.00 MHz

SWP 37.5 msec

FCC ID PP4DX - 20B BAND EDGE CDMA Ch 0777

hp

REF 25.5 dBm ATTN 40 dB + 20 dB

10 dB/

POS PK

OFFSET

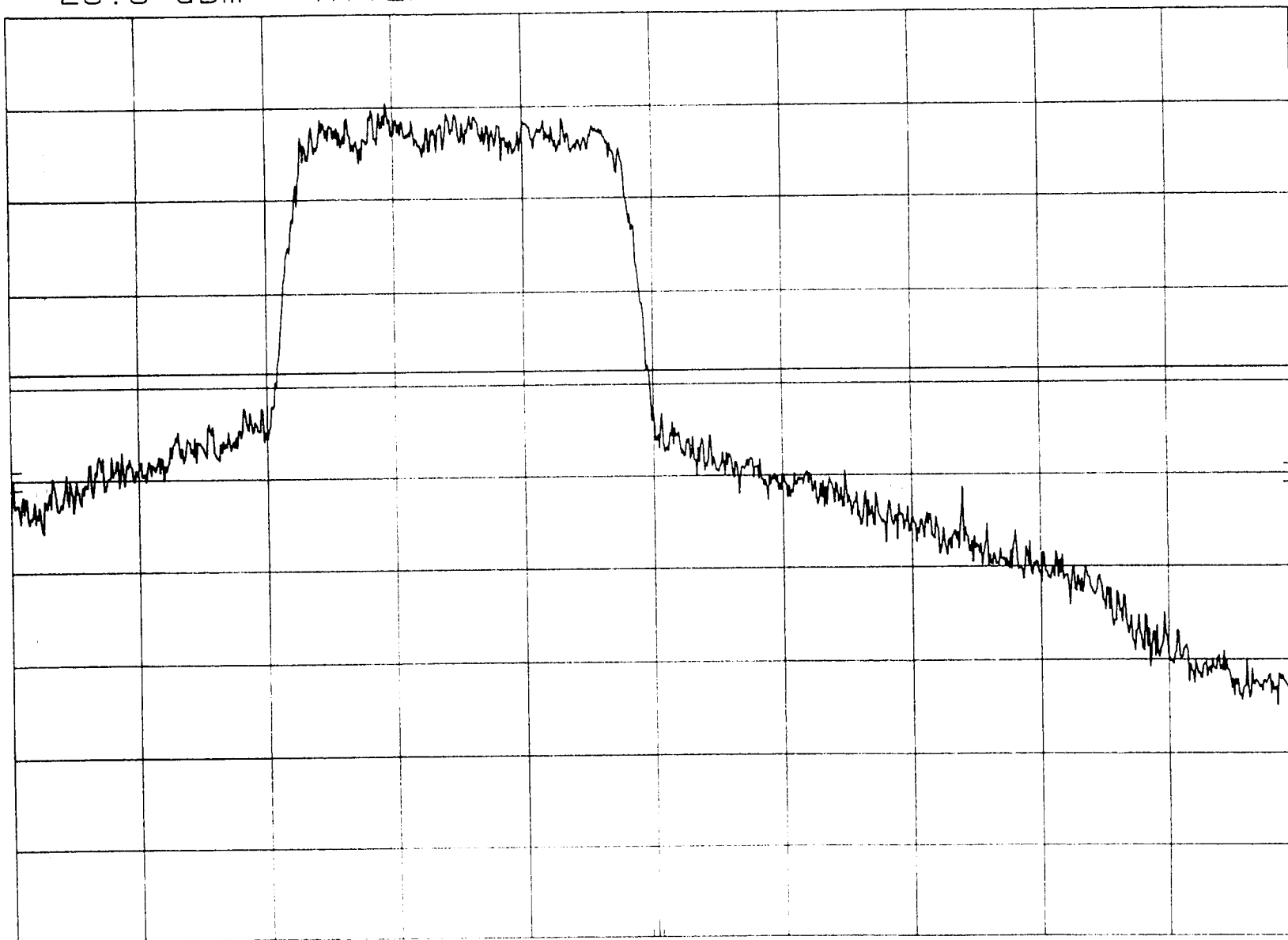
1.0

dB

DL

-13.0

dBm



CENTER 849.00 MHz

RES BW 30 KHz (1)

VBW 30 KHz

SPAN 5.00 MHz

SWP 37.5 msec

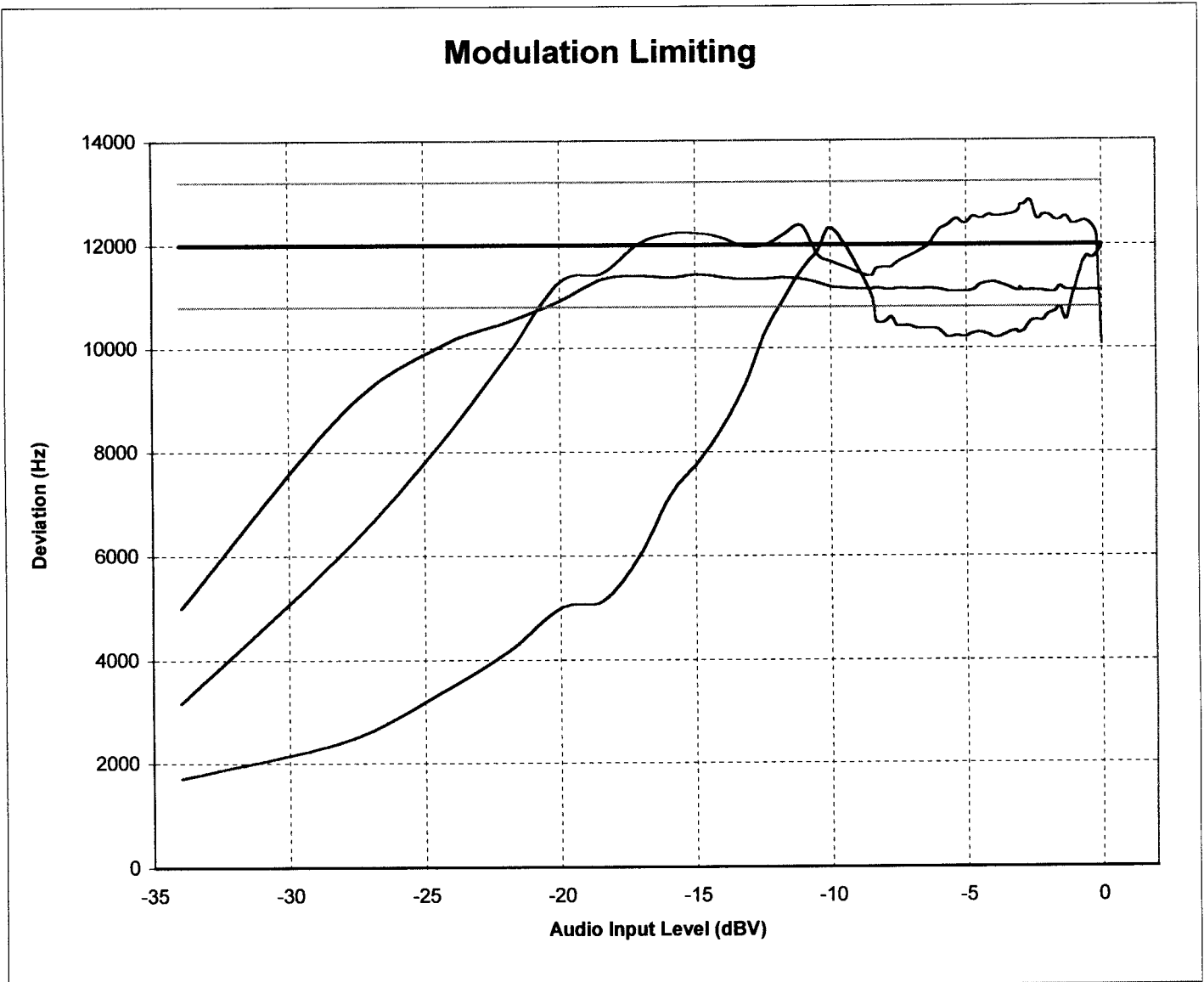
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.210611363.PP4
Test Date: 06.13.2001

EUT: Hyundai Dual-Mode Cellular Phone (AMPS/CDMA)
Model: DX-20B
FCC ID: PP4DX-20B

REFERENCE: 1 kHz = 0 dB



HYUNDAI Dual-Mode Cellular Phone (AMPS/CDMA)
FCC ID: PP4DX-20B

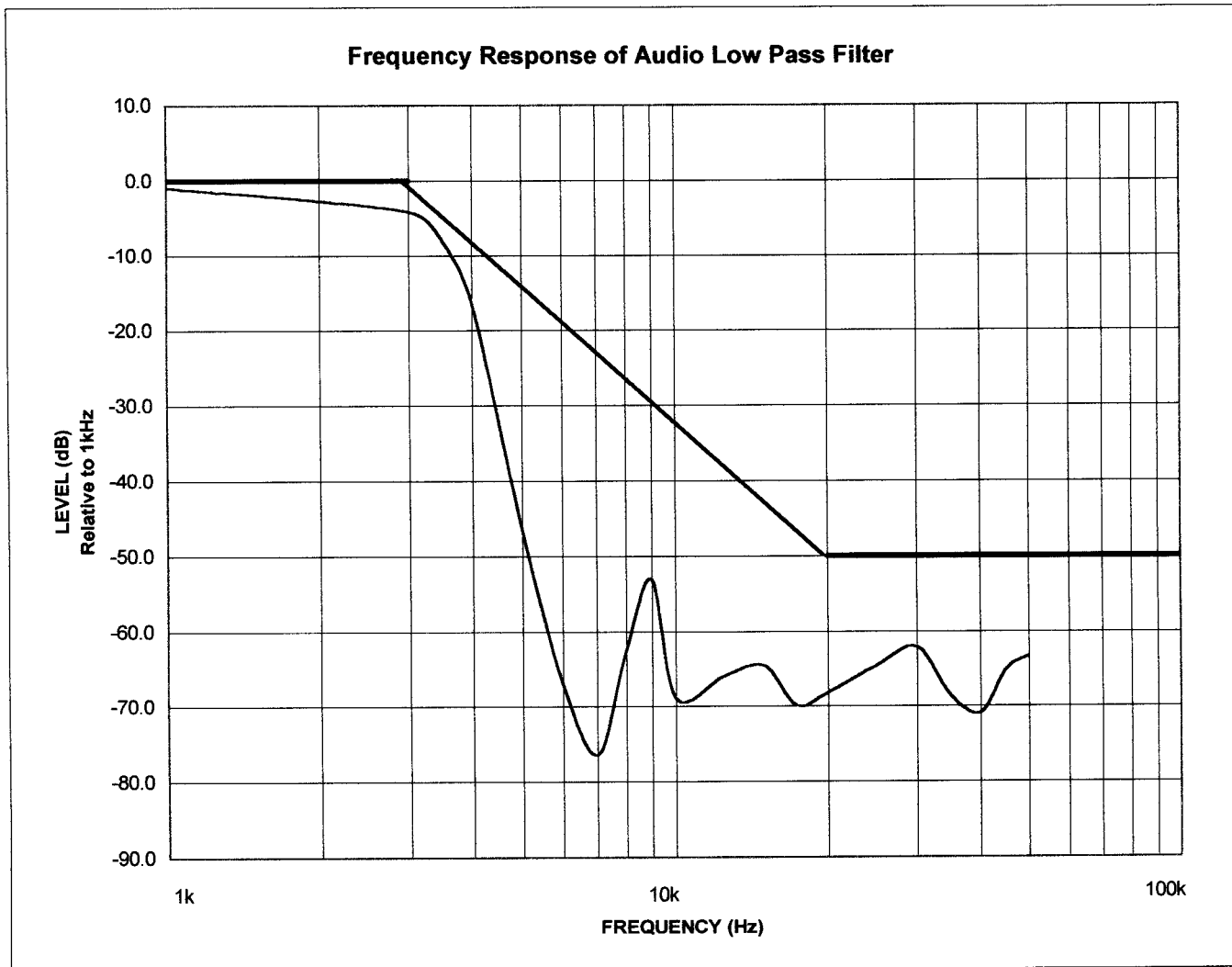
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HYUNDAI Dual-Mode Cellular Phone (AMPS/CDMA)
FCC ID: PP4DX-20B

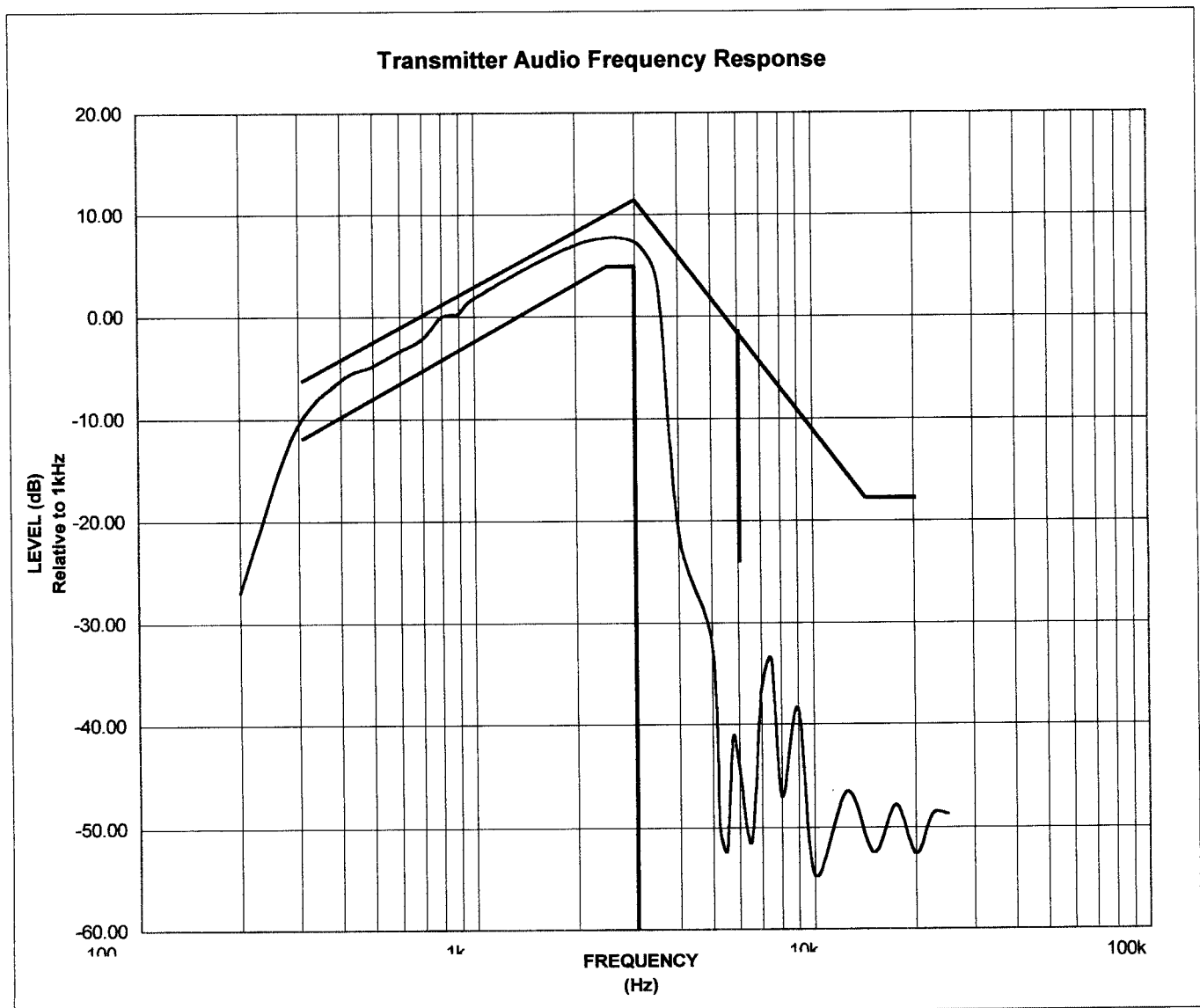
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SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.210611363.PP4
Test Date: 06.13.2001

EUT: Hyundai Dual-Mode Cellular Phone (AMPS/CDMA)
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HYUNDAI Dual-Mode Cellular Phone (AMPS/CDMA)
FCC ID: PP4DX-20B