

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:Model:HWC-1000

DUAL MODE PHONE

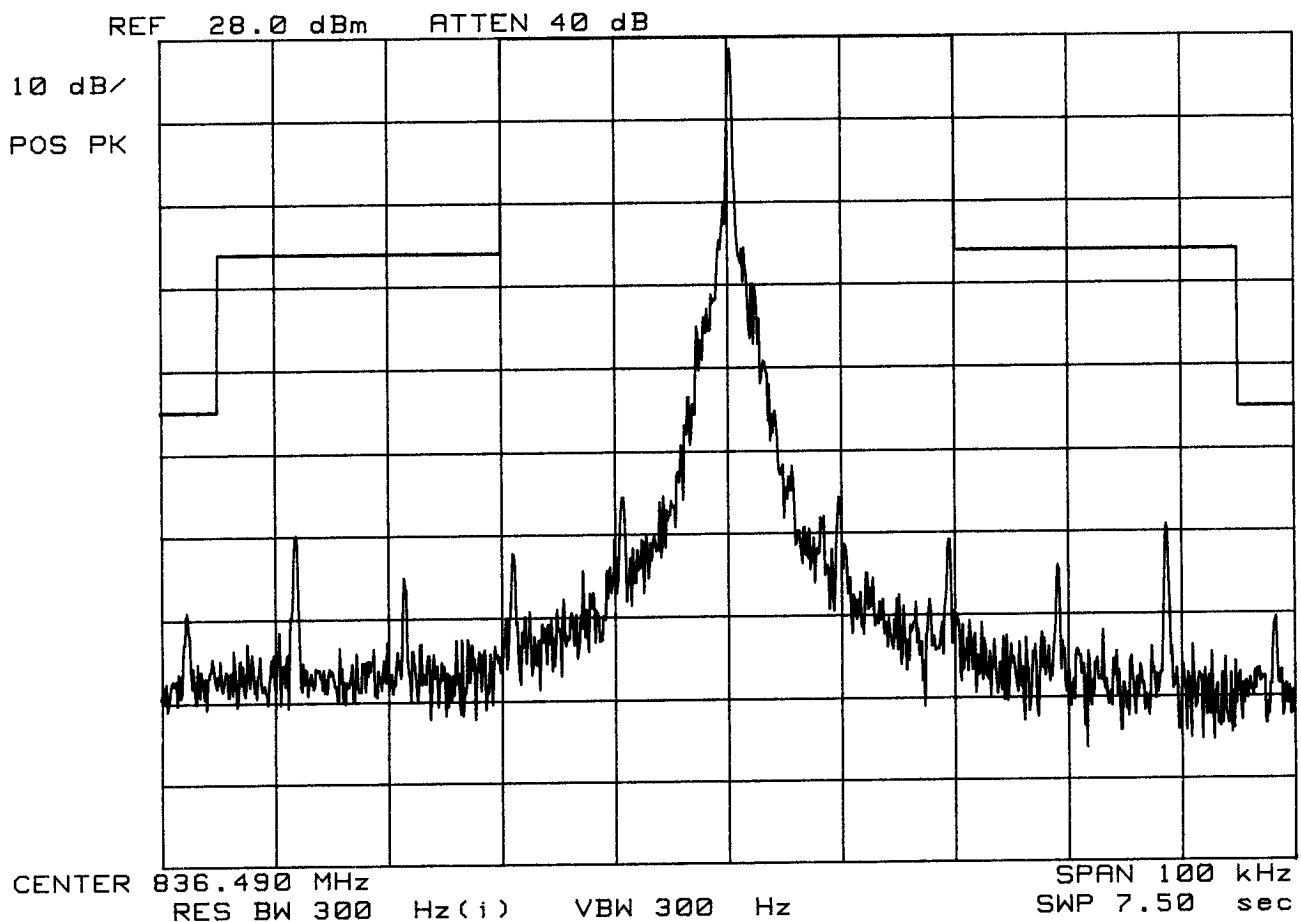
CH.383

FM MODE

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID: Model: HWC-1000

DUAL MODE PHONE

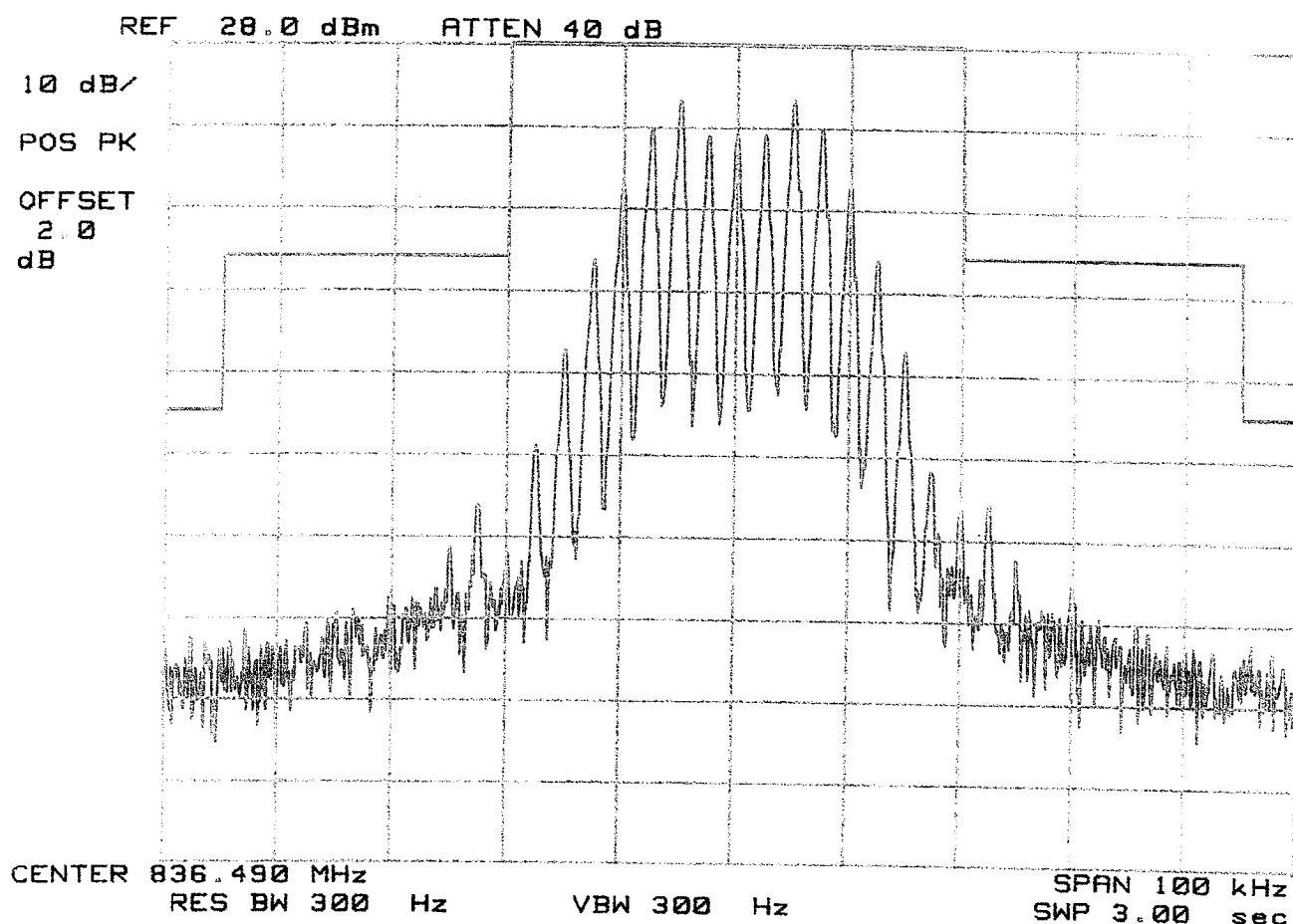
CH. 383

FM MODE

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode: Voice



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:Model:HWC-1000

DUAL MODE PHONE

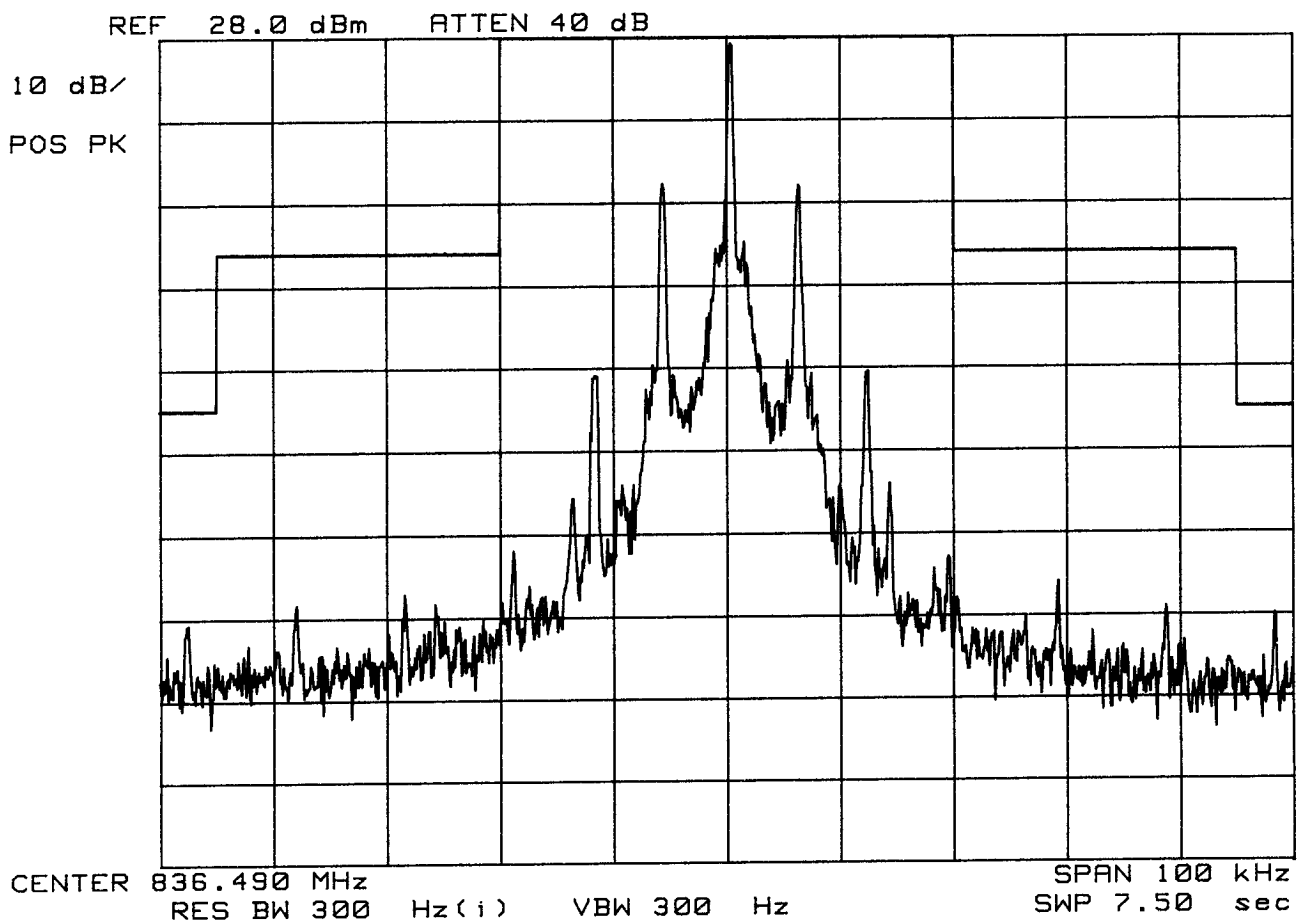
CH.383

FM MODE

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:SAT



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SPECTRUM ANALYZER PRESENTATION

FCC ID:Model:HWC-1000

DUAL MODE PHONE

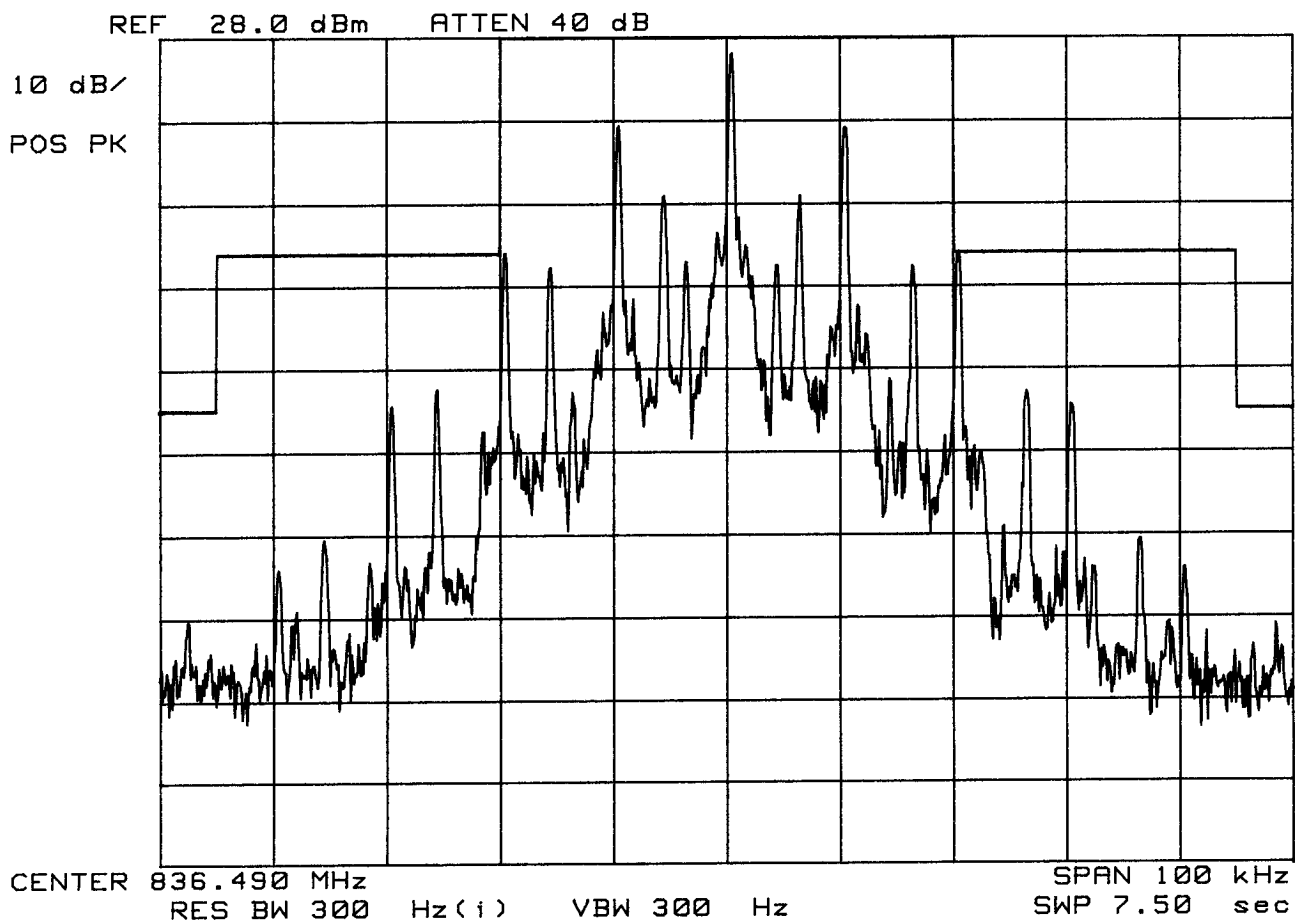
CH.383

FM MODE

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:Model:HWC-1000

DUAL MODE PHONE

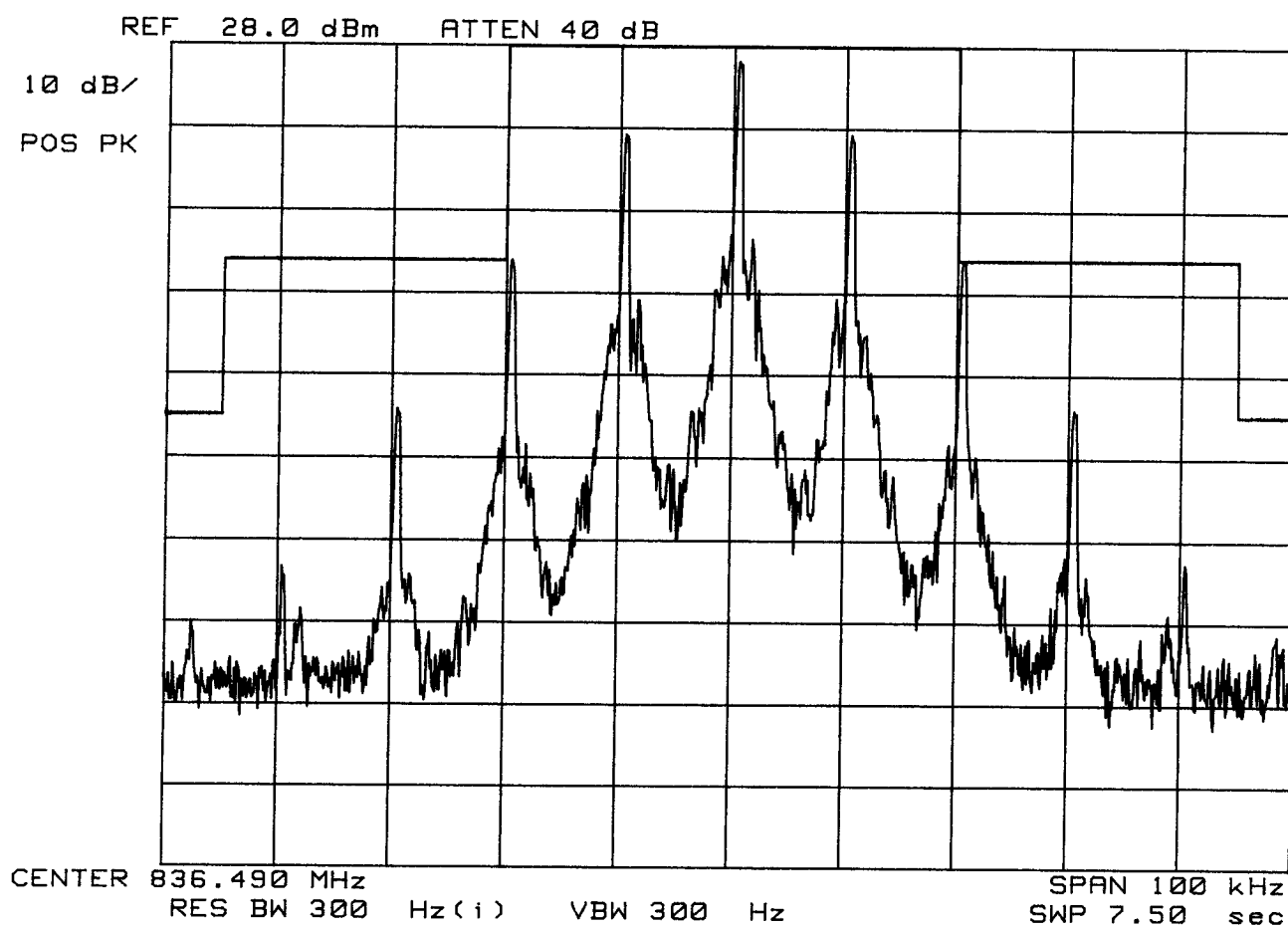
CH.383

FM MODE

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:ST



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SPECTRUM ANALYZER PRESENTATION

FCC ID:Model:HWC-1000

DUAL MODE PHONE

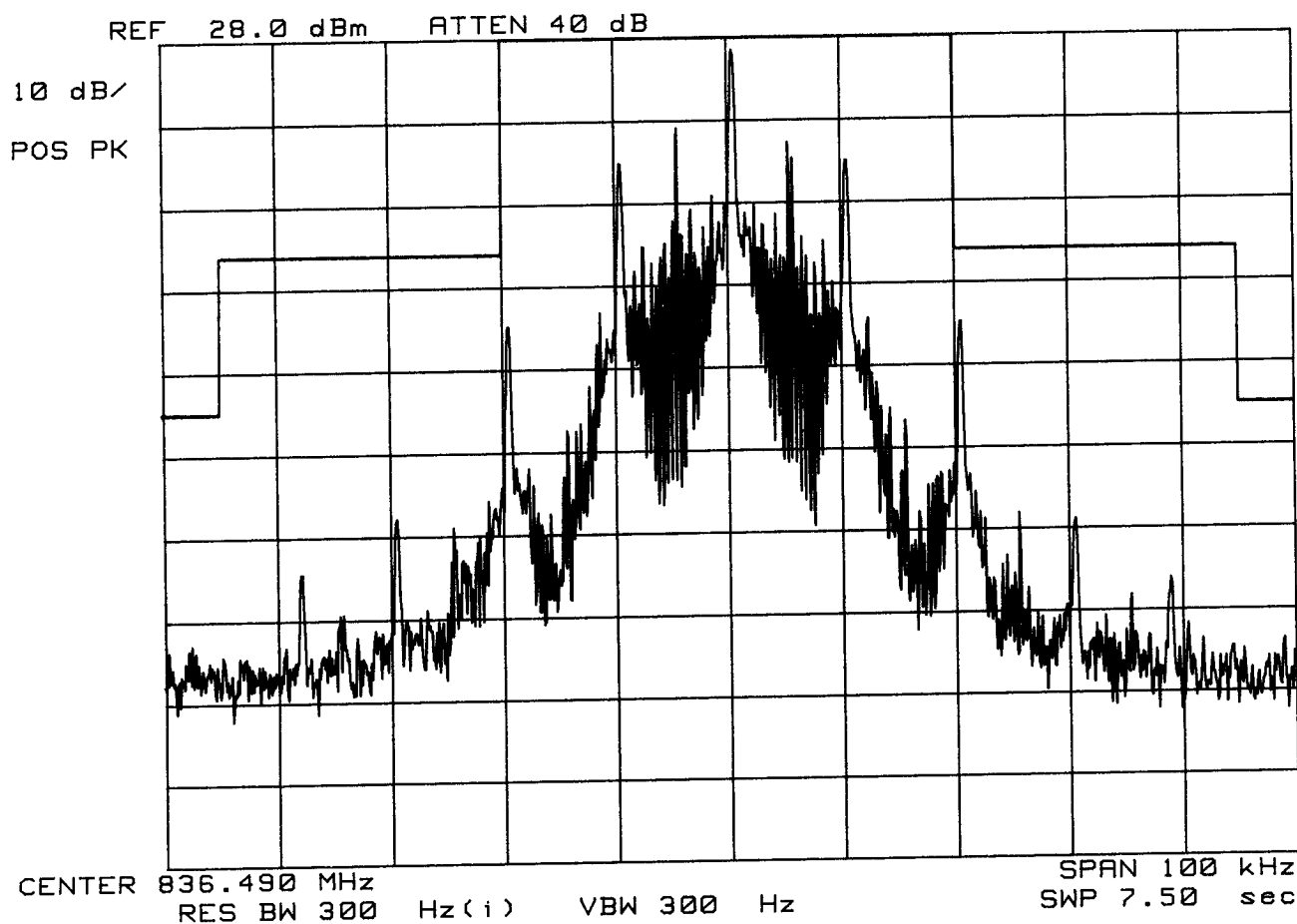
CH.383

FM MODE

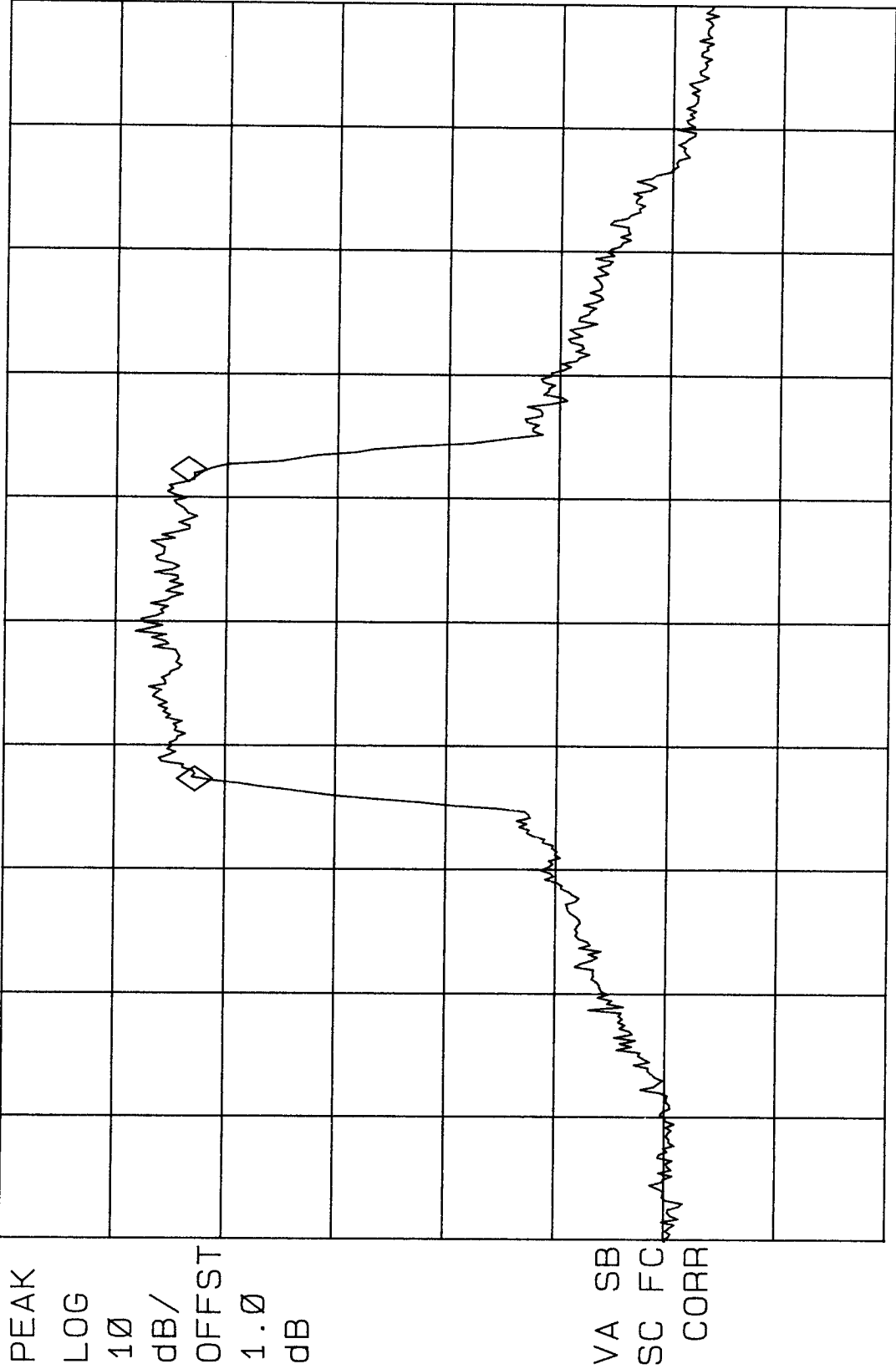
Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:Wide Band Data



MODEL: HWC-1000 CDMA MODE 99% PWR BW MKR Δ 1.250 MHz
REF 25.0 dBm #ATTEN 40 dB .77 dB



CENTER 824.040 MHz SPAN 5.000 MHz
#RES BW 30 KHZ #VBW 30 KHZ #SWP 20 msec

Model1-HWC-1000 Ch.Low Cond.Spurs.

REF 28.0 dBm ATTN 40 dB + 20 dB

hp

10 dB/

POS PK

OFFSET

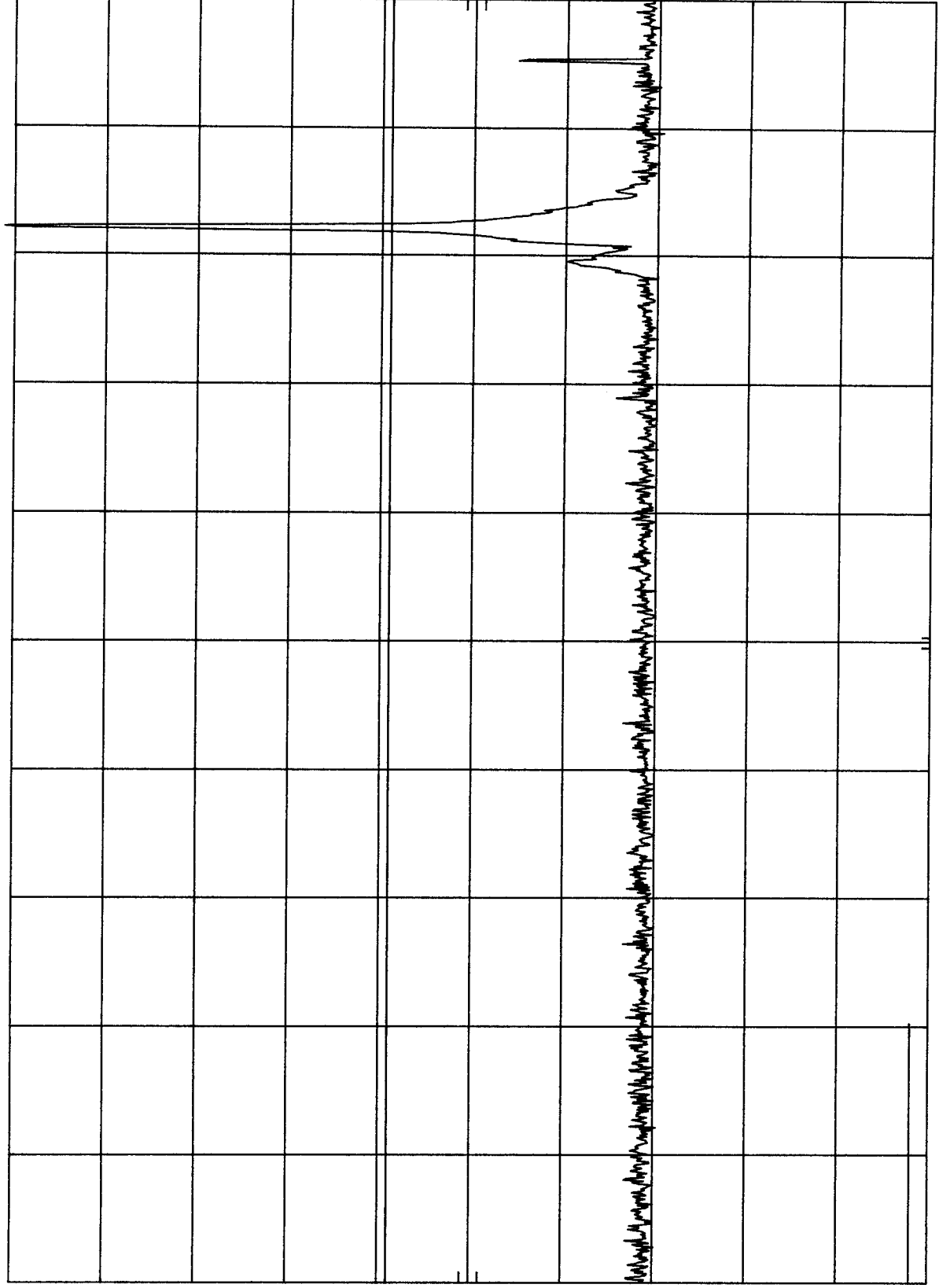
1.0

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 1.000 GHz

SWP 24.8 msec

Model1-HWC-1000 Ch.Low Cond.Spurs.
MKR 2.473 GHz
REF 28.0 dBm ATTN 40 dB + 20 dB
-29.00 dBm

h_p

10 dB/

POS PK

OFFSET

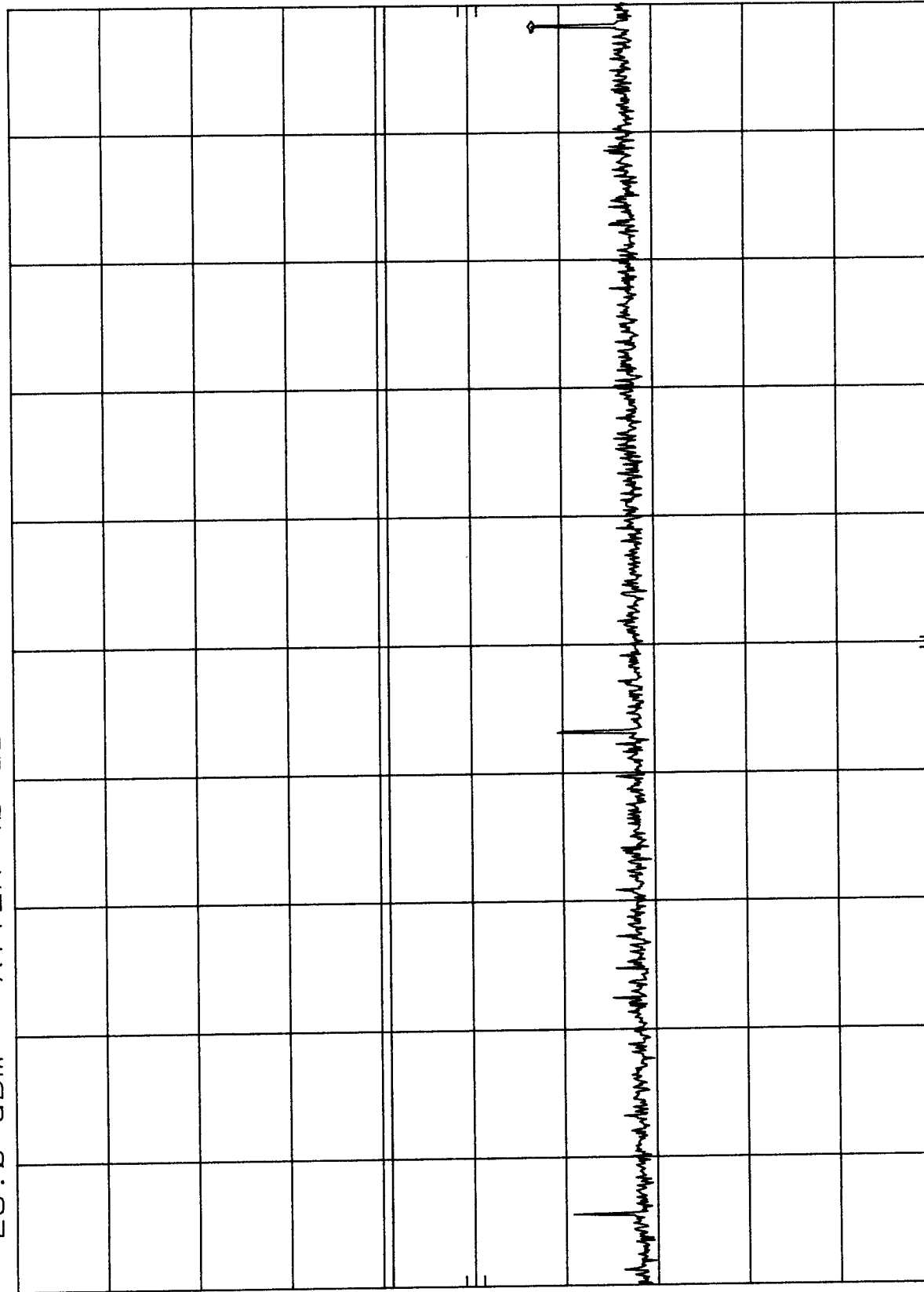
1.0

dB

DL

-13.0

dBm



START 1.00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz

SWP 37.5 msec

Model1-HWC-1000 MKR 6.610 GHz
REF 28.0 dBm -28.50 dBm

Ch.Low Cond.Spurs.
ATTEN 40 dB + 20 dB

hp

10 dB/

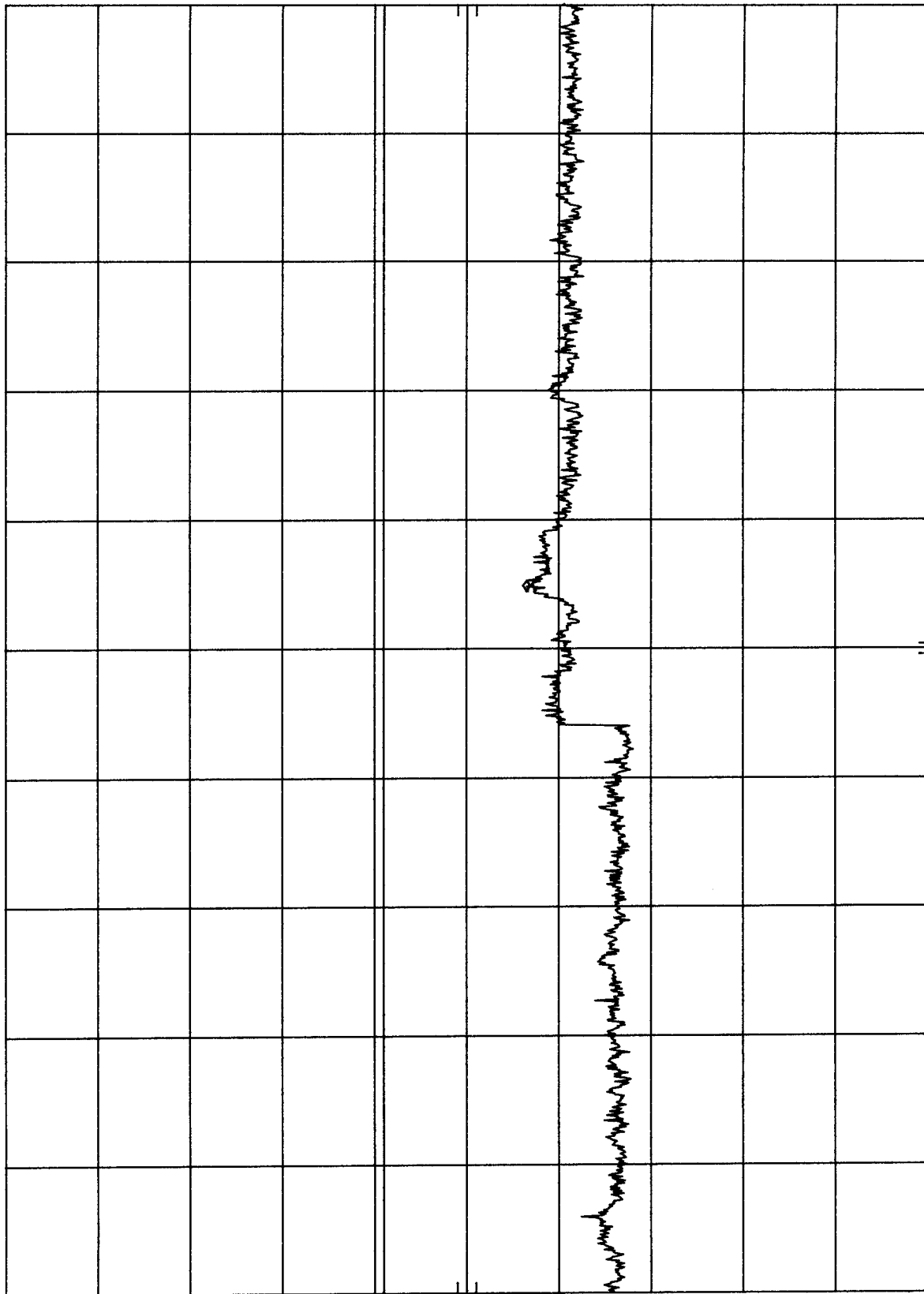
POS PK

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

Model1-HWC-1000 Ch.Low Cond.Spurs.
MKR 19.89 GHz
REF 28.0 dBm ATTN 40 dB + 20 dB
-20.40 dBm

hp

10 dB/

POS PK

OFFSET

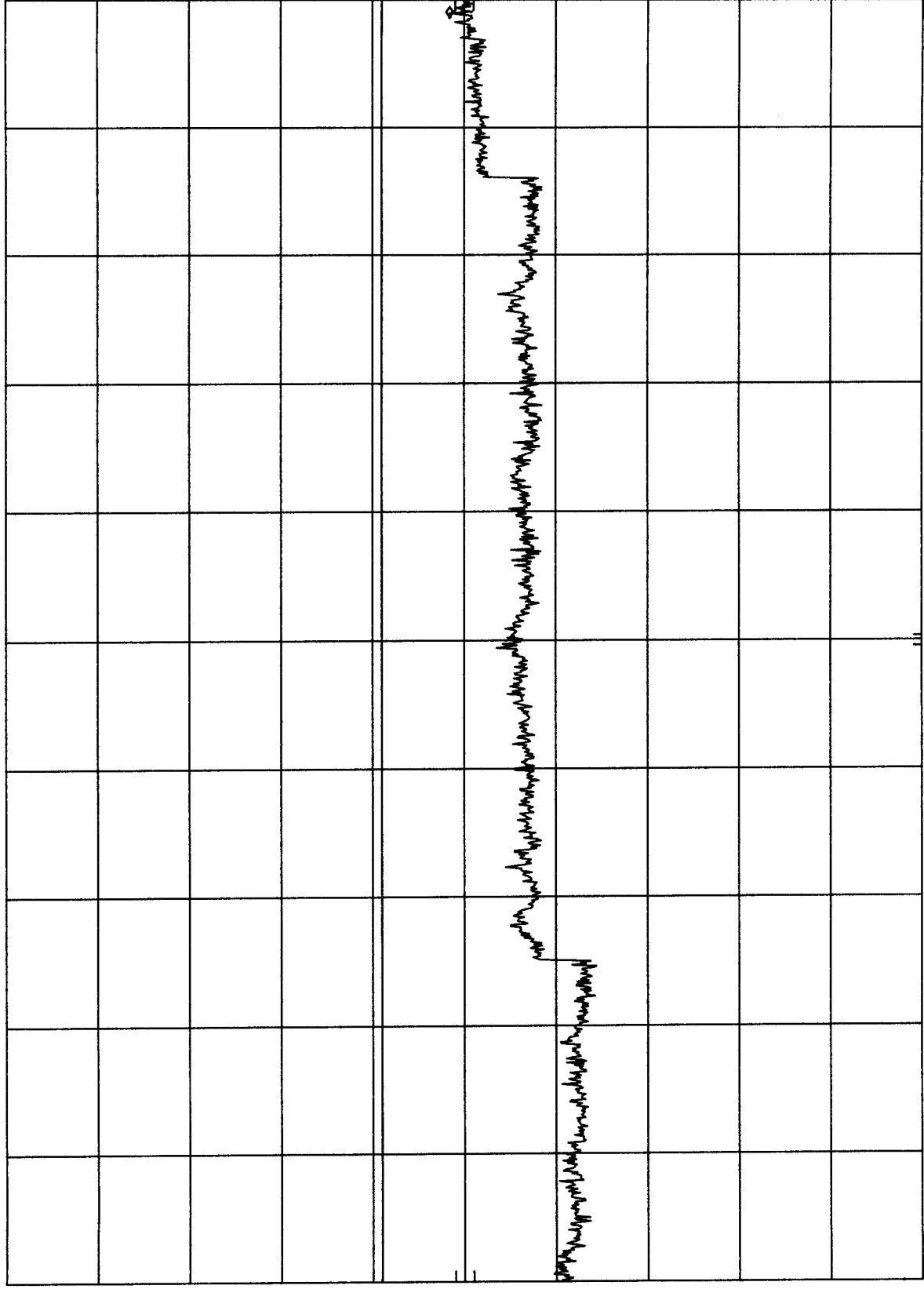
1.0

dB

DL

-13.0

dBm



START 10.0 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz

SWP 250 msec

Model1-HWC-1000 Ch.Med Cond.Spurs.
hpf REF 28.0 dBm ATTN 40 dB + 20 dB

10 dB/

POS PK

OFFSET

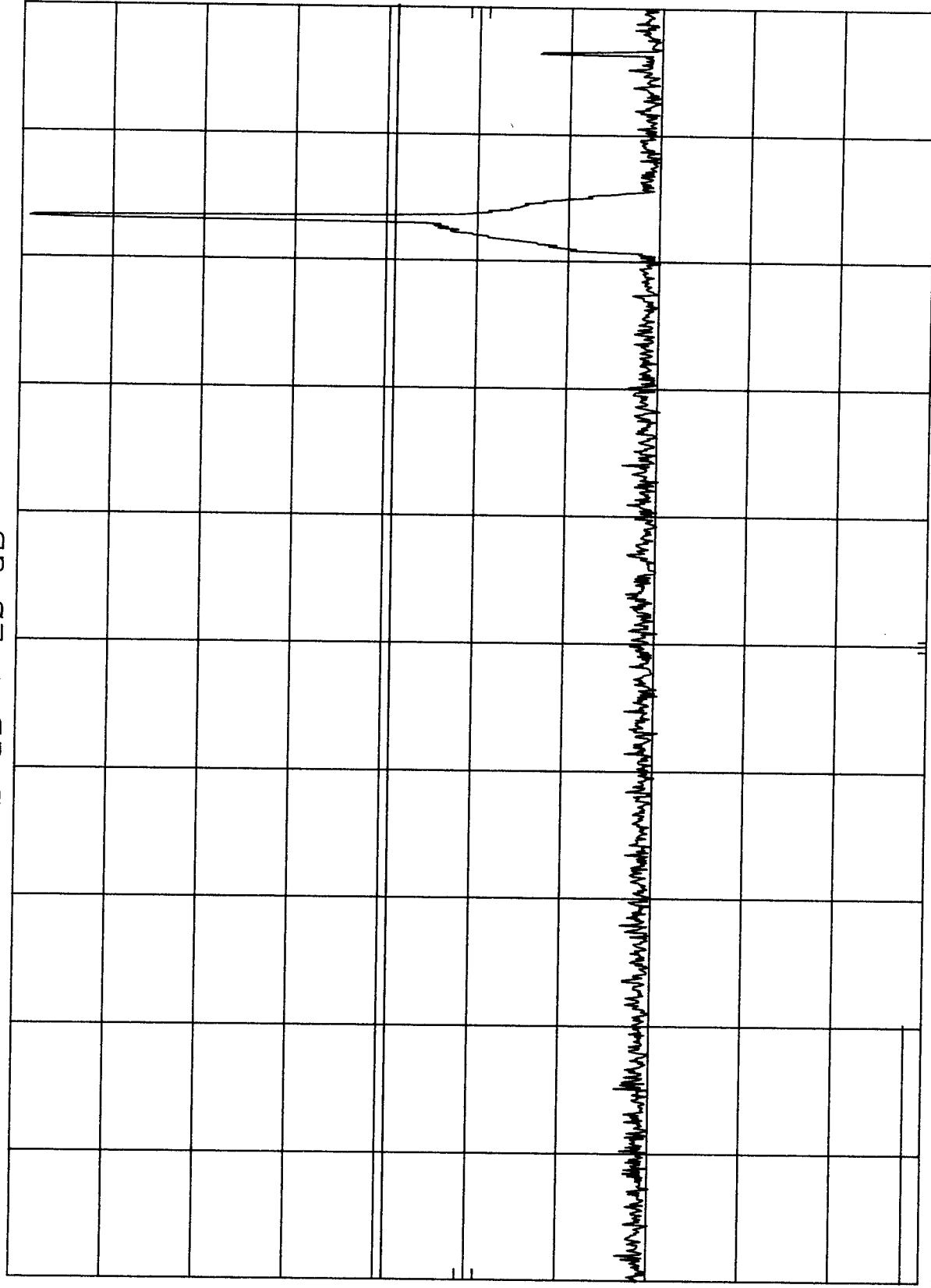
1.0

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 1.000 GHz
SWP 24.8 msec

Model1-HWC-1000 Ch.Med Cond.Spurs.
h_p REF 28.0 dBm ATTN 40 dB + 20 dB MKR 1.108 GHz
-31.80 dBm

10 dB/

POS PK

OFFSET

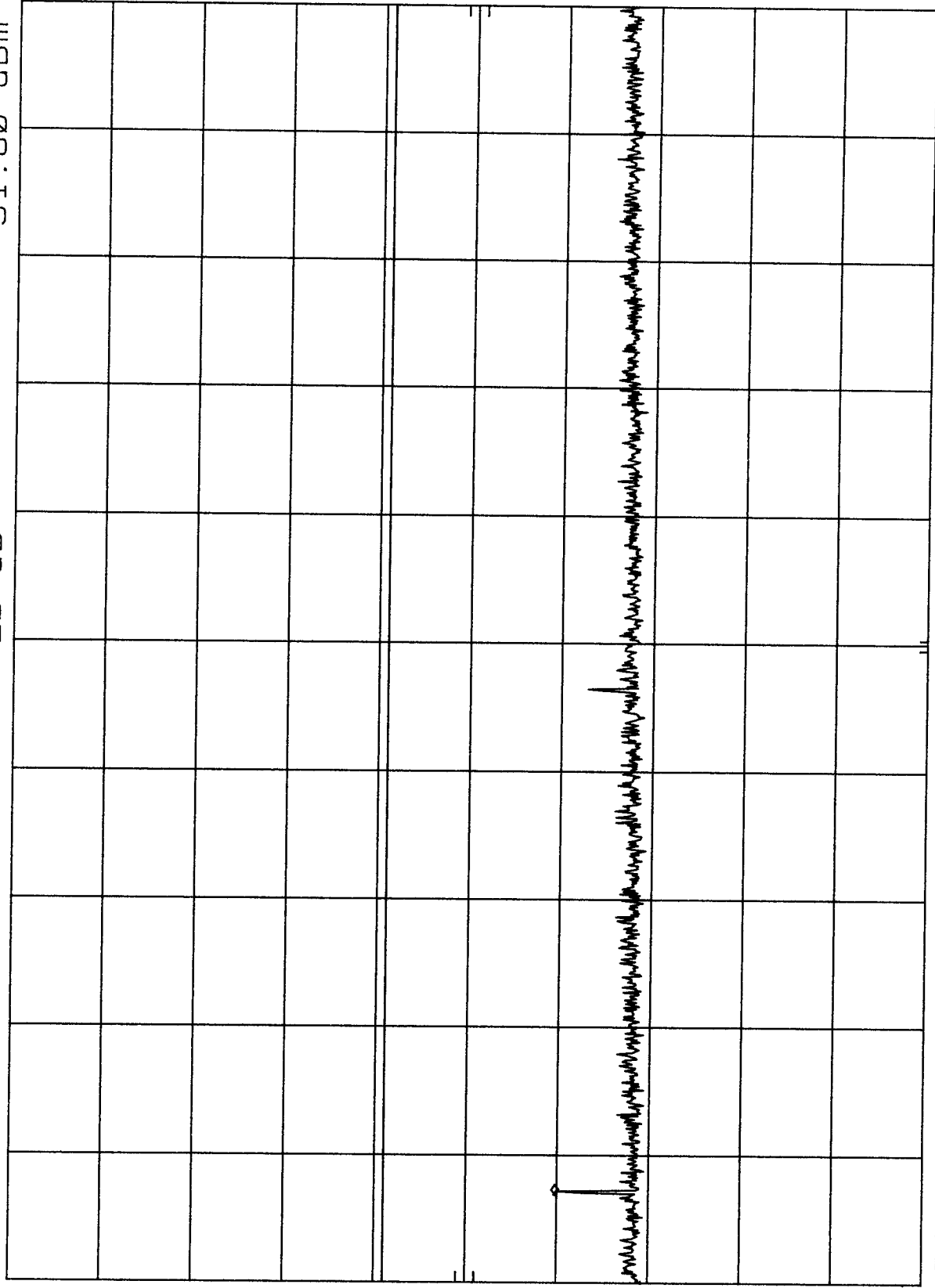
1.0

dB

DL

-13.0

dBm



START 1.00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz
SWP 37.5 msec

Model1-HWC-1000 Ch. Med Cond. Spurs.
hpf REF 28.0 dBm ATTN 40 dB + 20 dB MKR 6.595 GHz
-28.30 dBm

10 dB/

POS PK

OFFSET

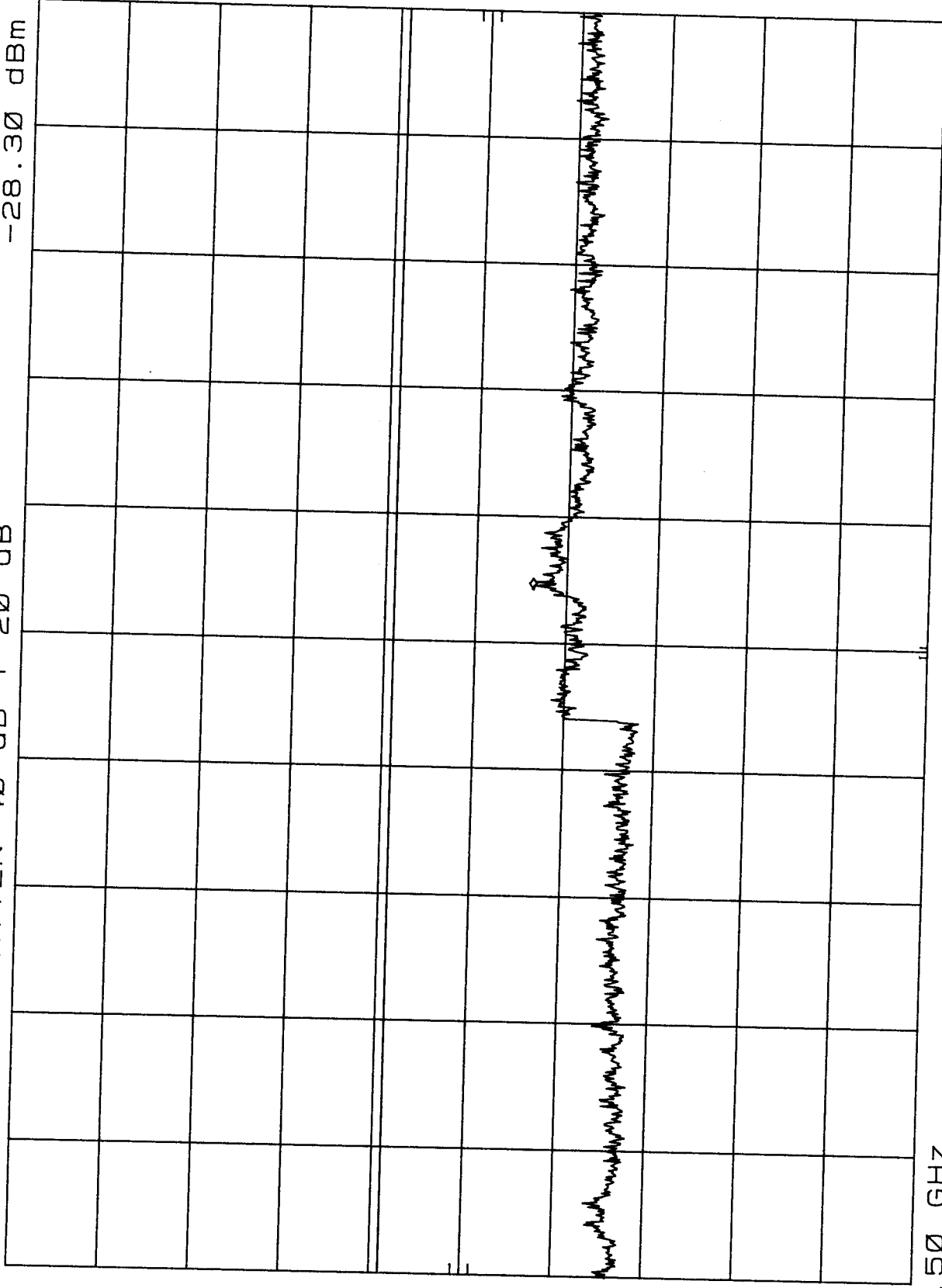
1.0

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 10.00 GHz
SWP 188 msec

Model1-HWC-1000 Ch.Med Cond.Spurs.
hpf REF 28.0 dBm ATTN 40 dB + 20 dB MKR 19.89 GHz
-20.40 dBm

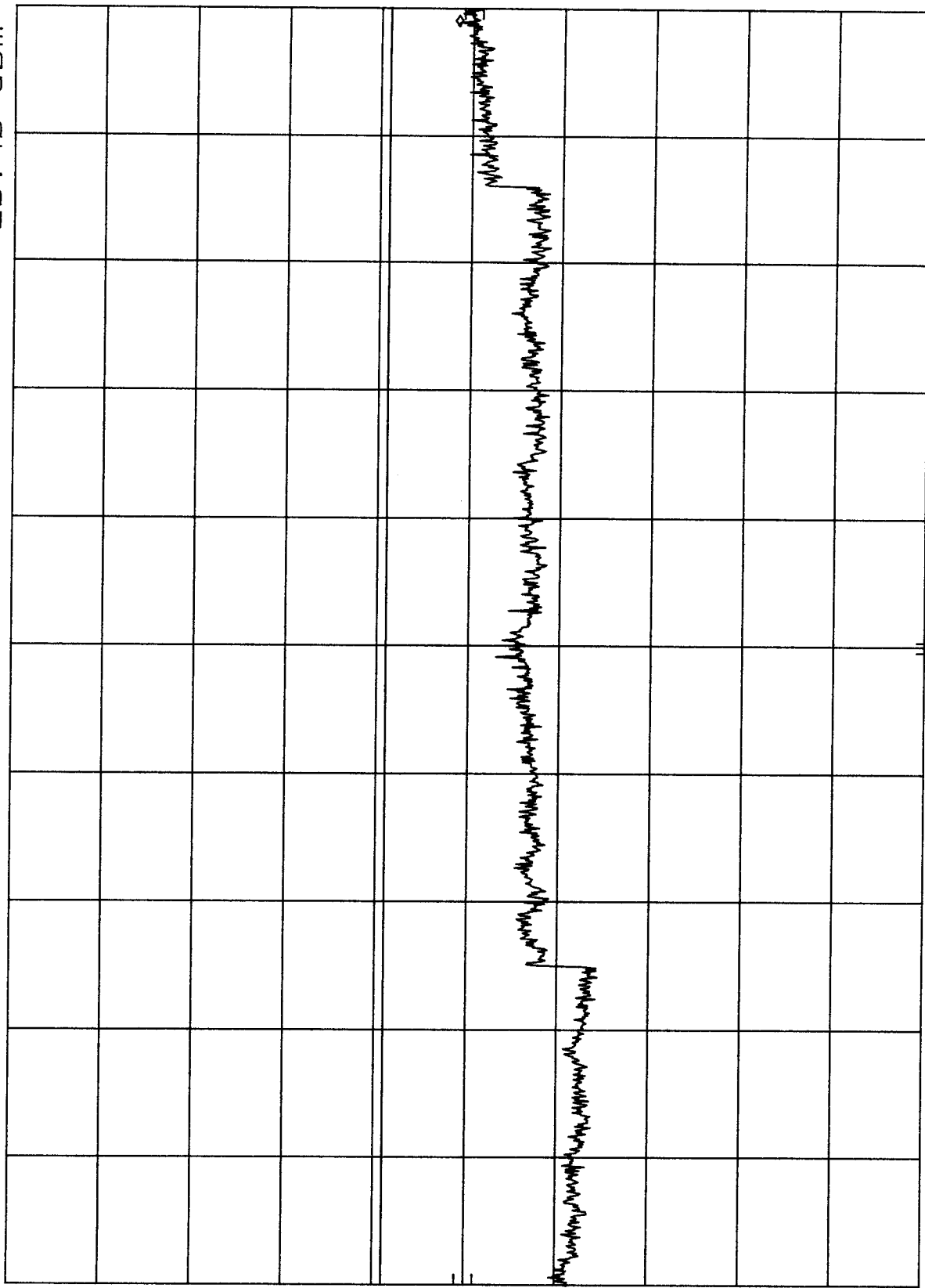
10 dB/

POS PK

OFFSET

1.0
dB

DL
-13.0
dBm



START 10.0 GHz RES BW 1 MHz (i) VBW 1 MHz STOP 20.0 GHz
SWP 250 msec

Model1-HWC-1000 Ch.High Cond.Spurs.
REF 28.0 dBm ATTN 40 dB + 20 dB

h_p

10 dB/

POS PK

OFFSET

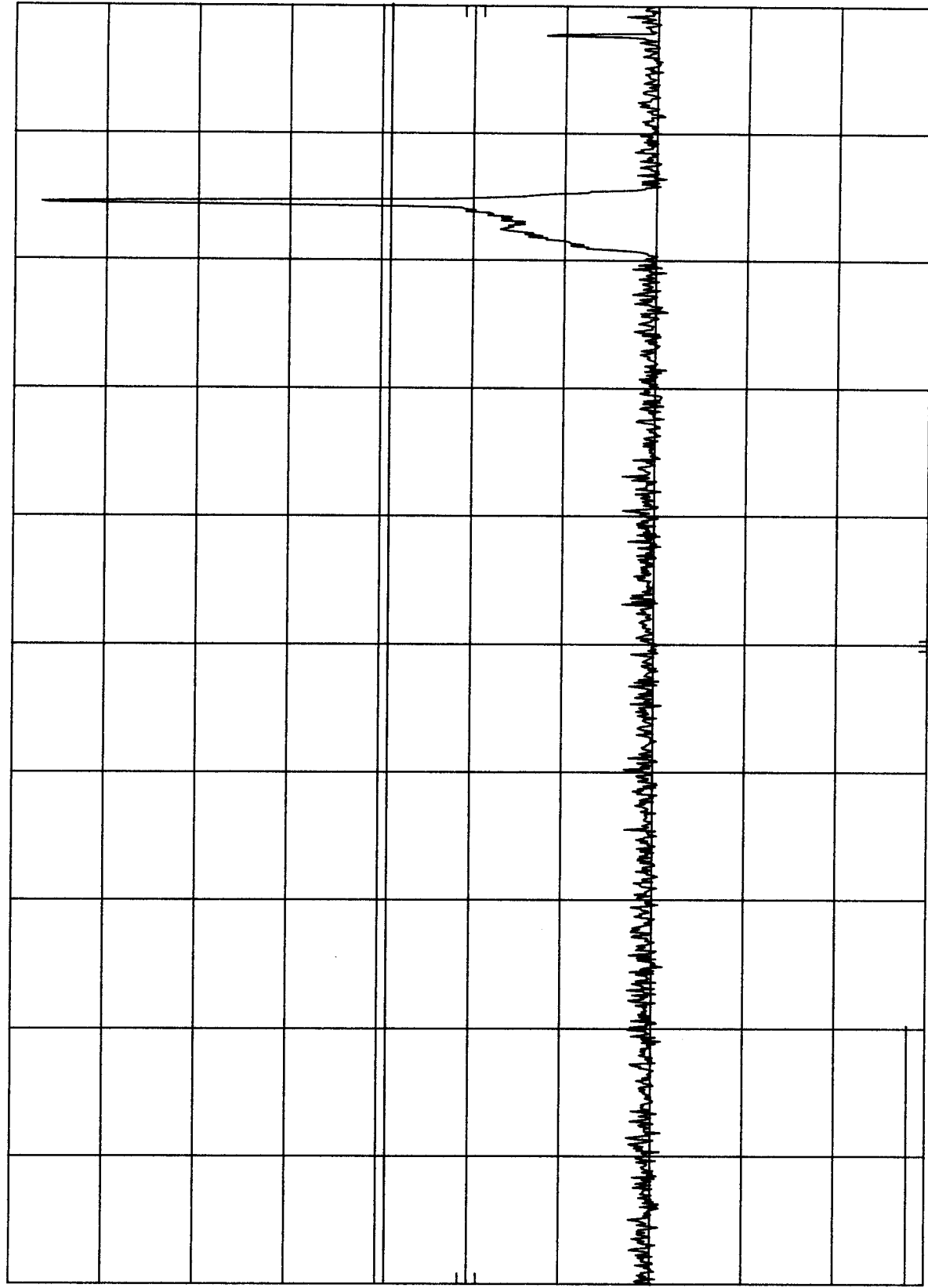
1.0

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 1.000 GHz
SWP 24.8 msec

Model1-HWC-1000 Ch.High Cond.Spurs.
REF 28.0 dBm ATEN 40 dB + 20 dB MKR 1.108 GHz
-32.00 dBm

hp

10 dB/

POS PK

OFFSET

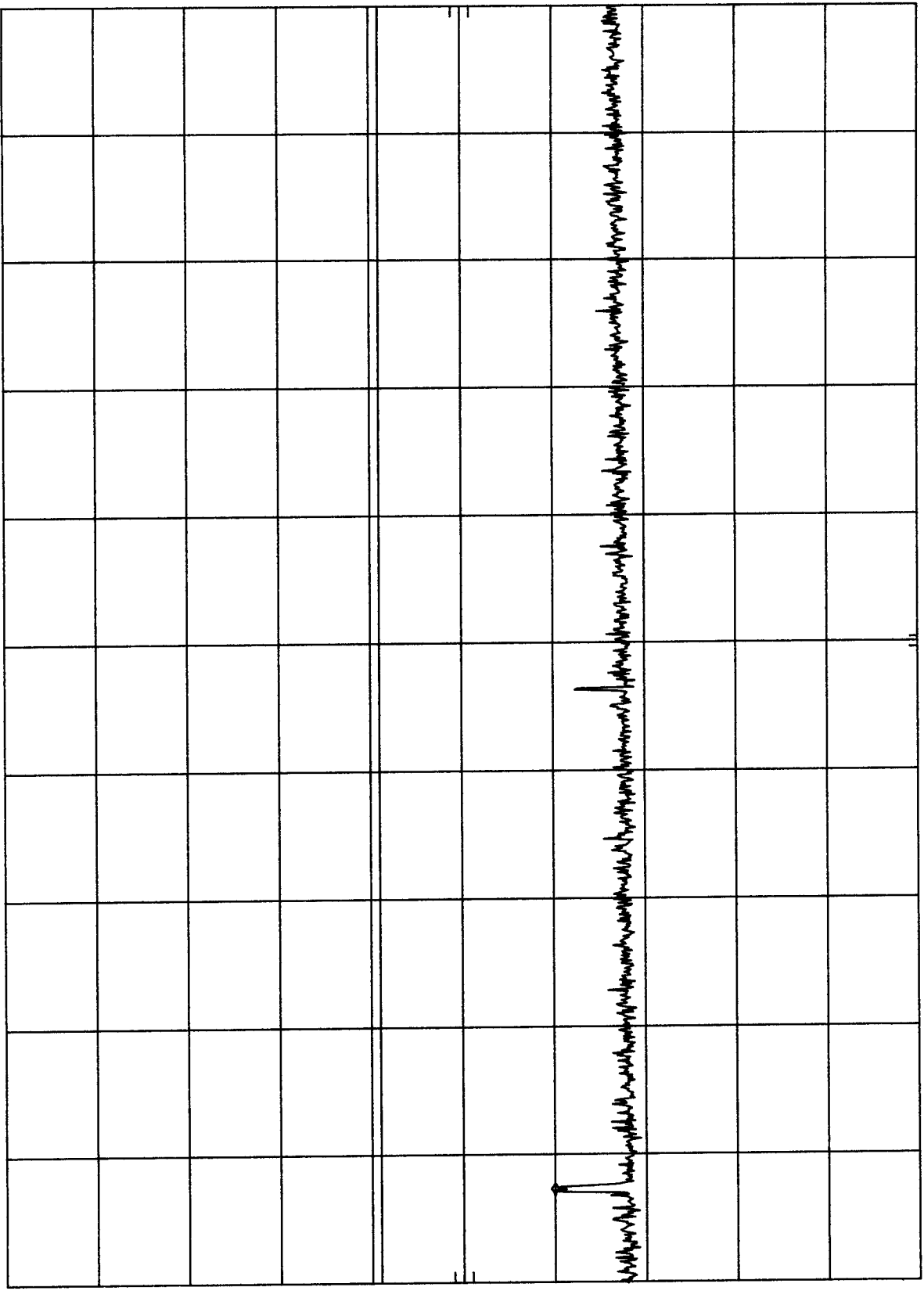
1.0

dB

DL

-13.0

dBm



START 1.00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz

SWP 37.5 msec

Model1-HWC-1000 Ch.High Cond.Spurs.
 REF 28.0 dBm ATTN 40 dB + 20 dB MKR 6.603 GHz
 h/p -28.80 dBm

10 dB/

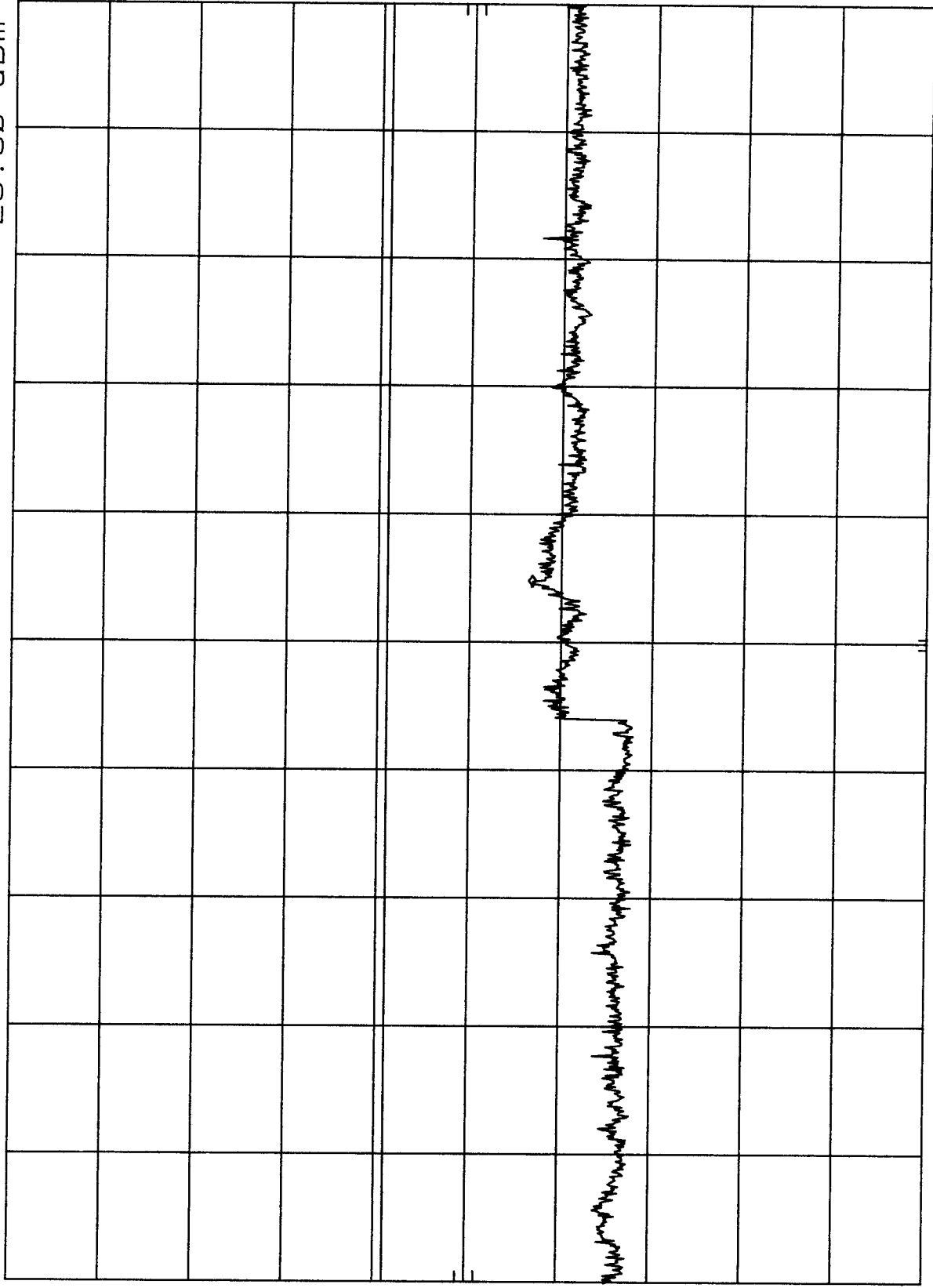
POS PK

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

Model-HWC-1000 Ch.High Cond.Spurs.
 REF 28.0 dBm ATTN 40 dB + 20 dB MKR 19.87 GHz
 -21.10 dBm

h_p

10 dB/

POS PK

OFFSET

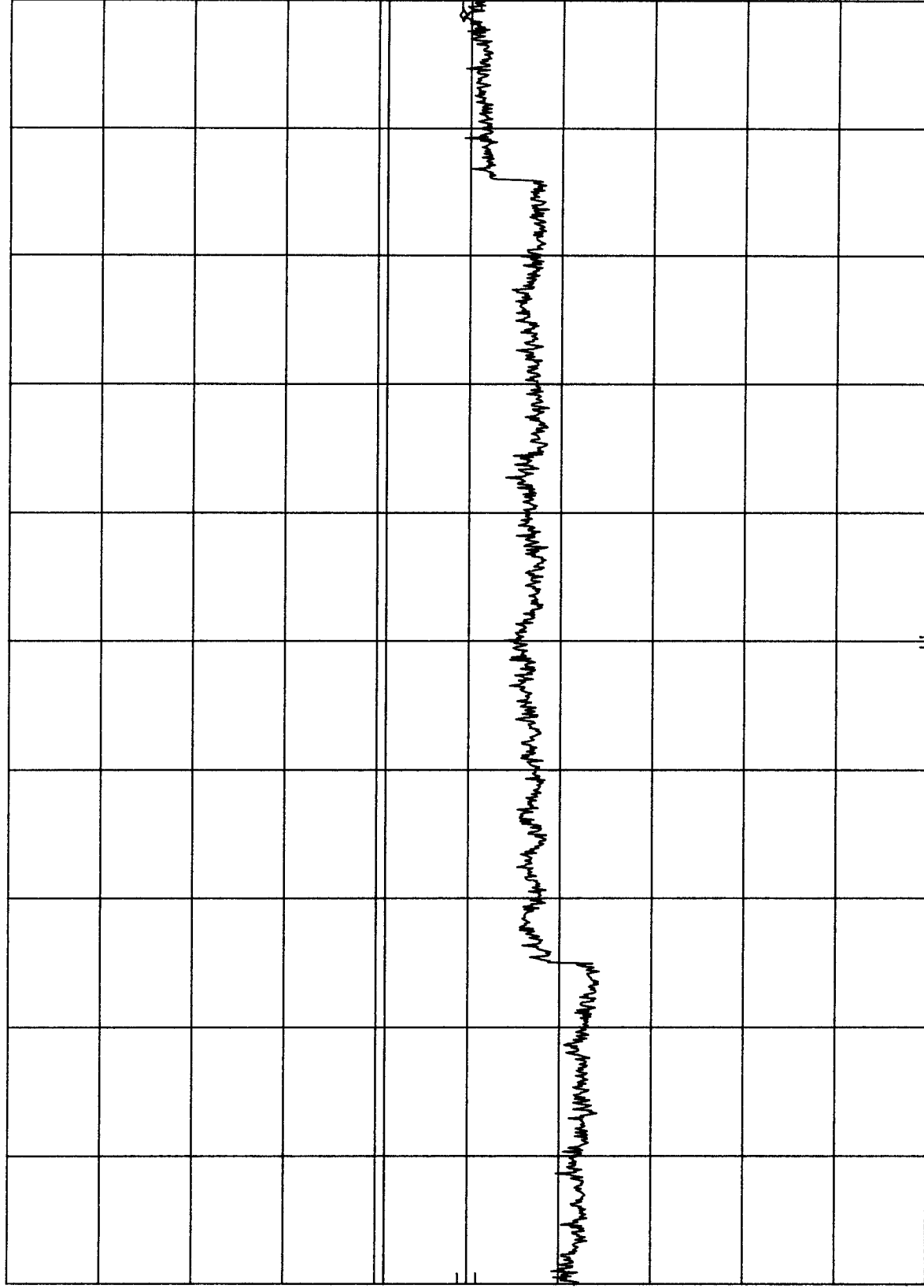
1.0

dB

DL

-13.0

dBm



START 10.0 GHz

RES BW 1 MHz (i)

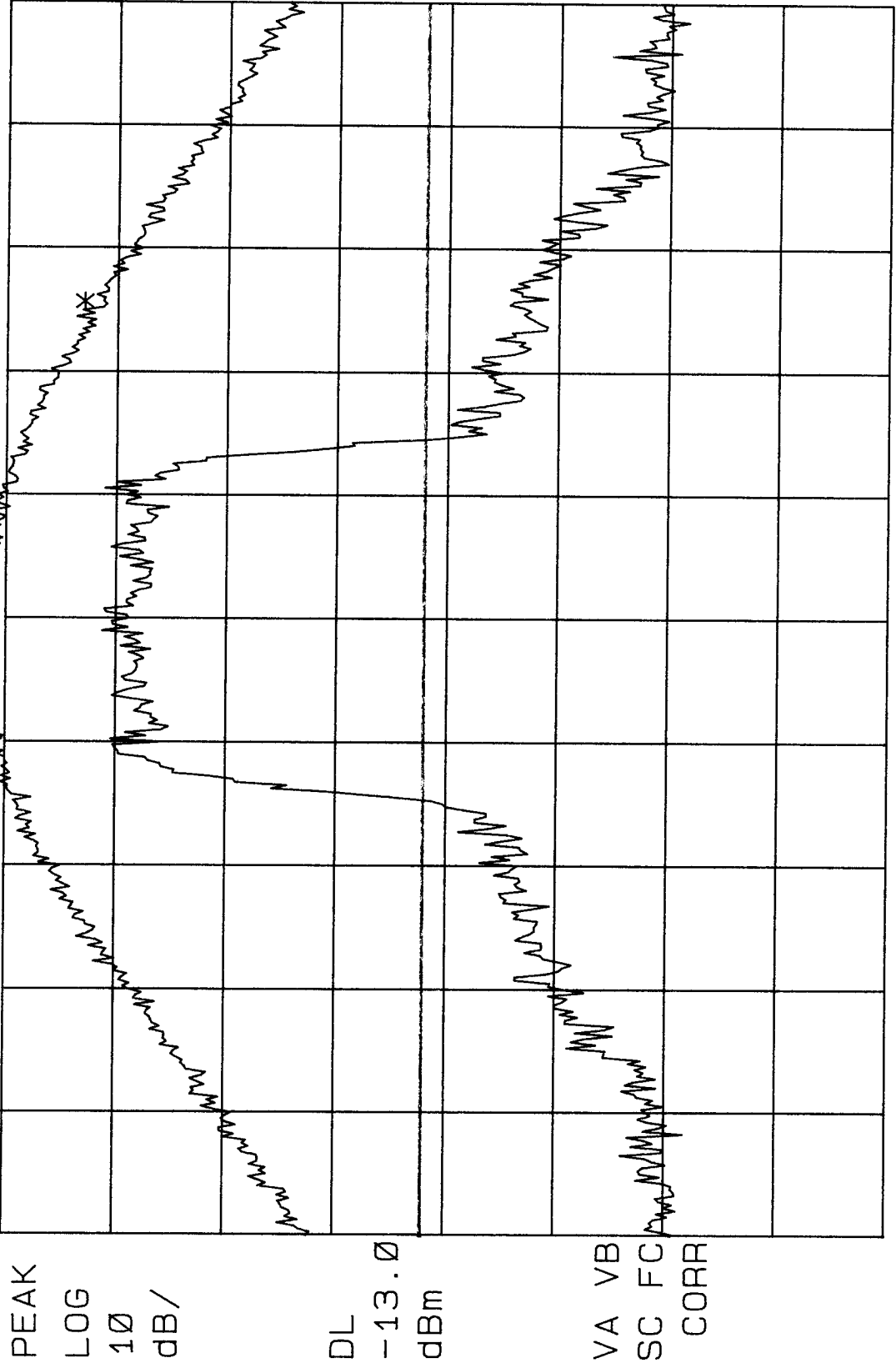
VBW 1 MHz

STOP 20.0 GHz

SWP 250 msec

MODEL: HWC-1000 CDMA CH-799

REF 25.0 dBm ATTN 40 dB



CENTER 848.970 MHz SPAN 5.000 MHz
#RES BW 30 kHz #VBW 30 kHz SWP 20 msec

MODEL: HWC-1000 CDMA CH-991

REF 25.0 dBm ATTN 40 dB

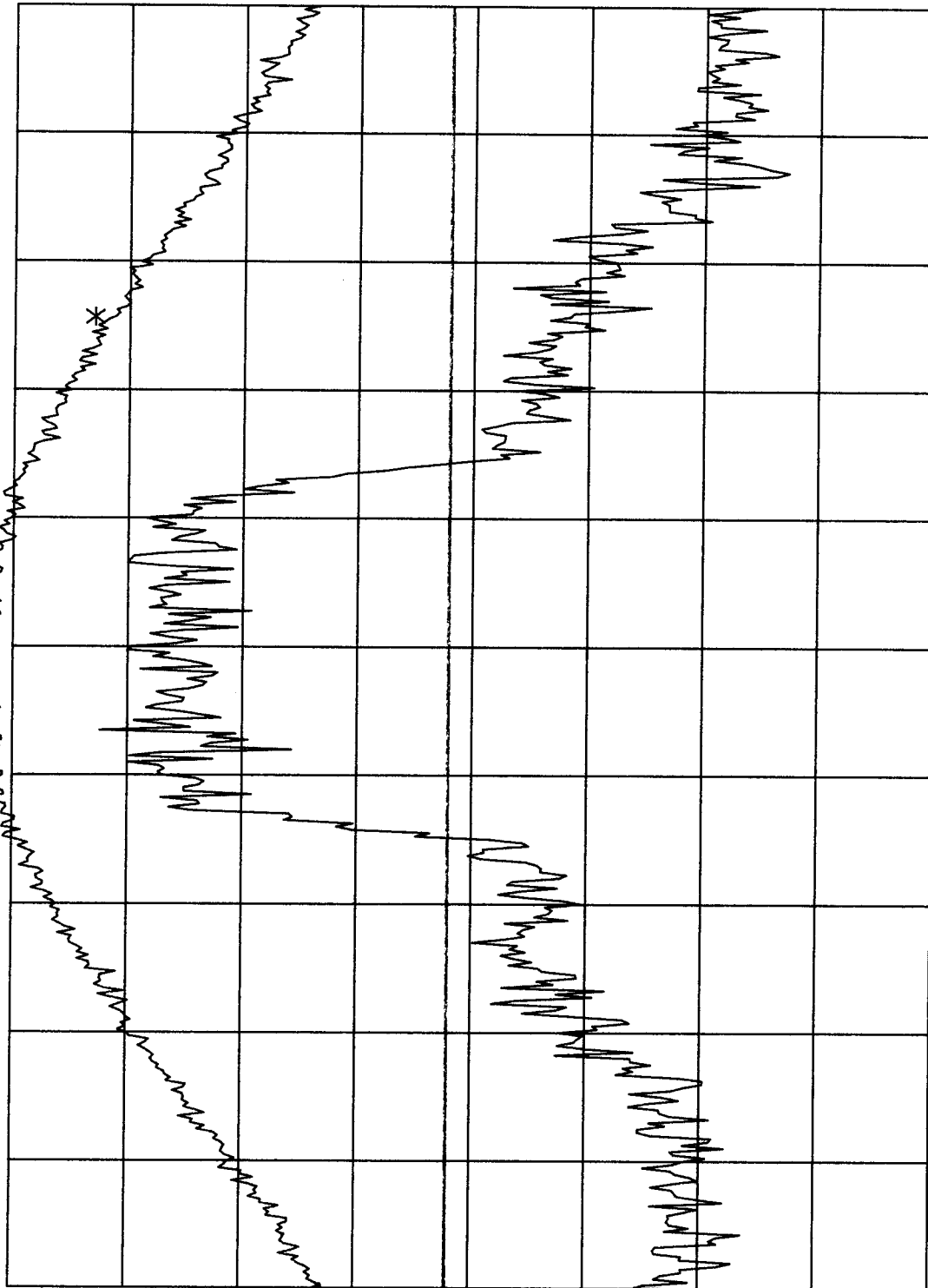
PEAK
LOG
10
dB/

DL
-13.0
dBm

VA VB
SC FC
CORR

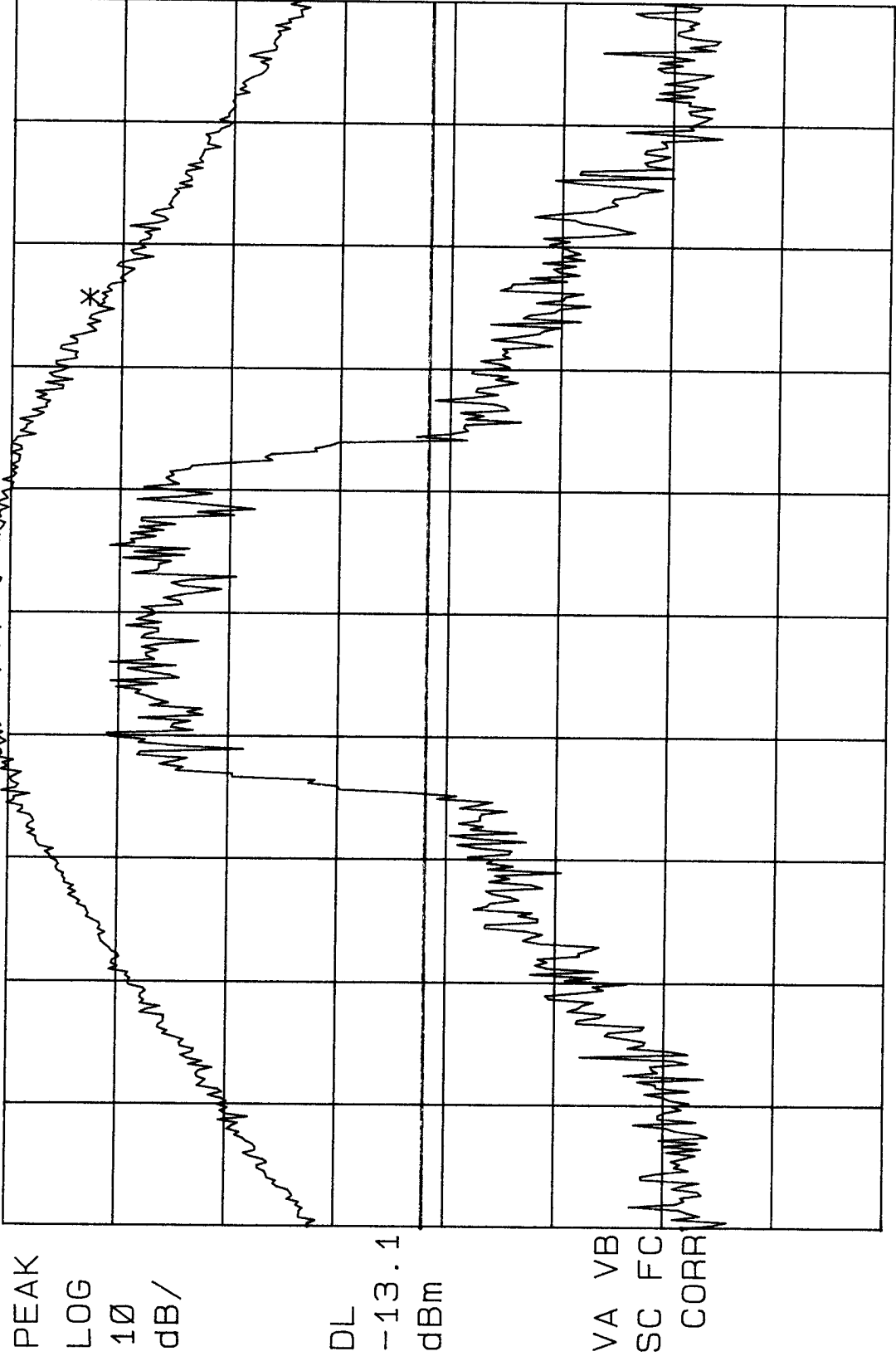
CENTER 824.040 MHz
#RES BW 30 KHZ

SPAN 5.000 MHz
#VBW 30 KHZ
SWP 20 msec



MODEL: HWC-1000 CDMA CH-383

REF 25.0 dBm ATTN 40 dB



CENTER 836.490 MHz

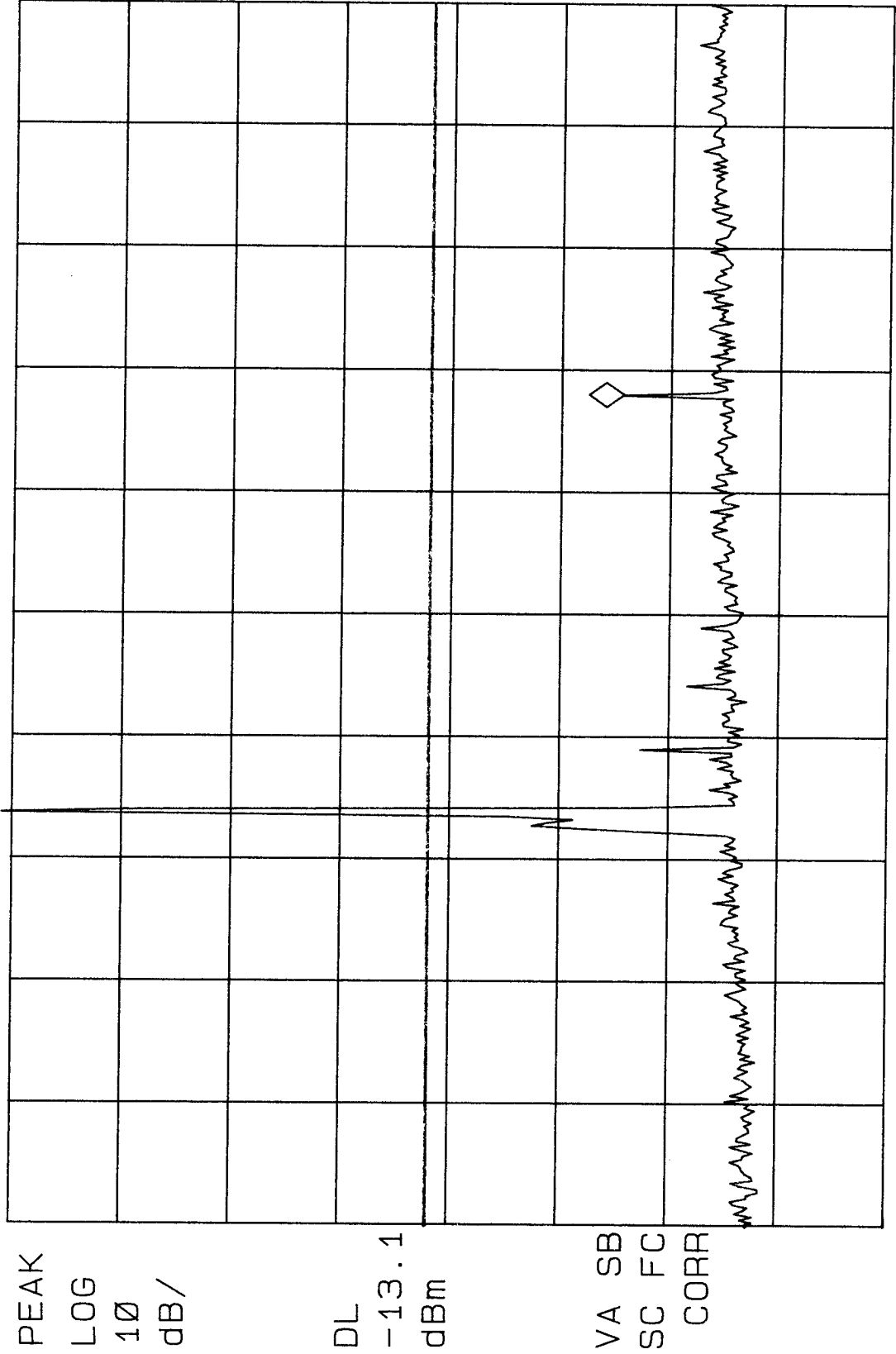
#RES BW 1.0 MHz

#VBW 1 MHz

SPAN 5.000 MHz

SWP 20 msec

MODEL: HWC-1000 CDMA CH-799 CON SPURS MKR 1.703 GHz
REF 25.0 dBm ATTEN 40 dB -30.67 dBm



START 10 MHz STOP 2.500 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 50 msec

-199

HWC-1000 CDMA MODE CON SPURS

MKR 6.738 GHz
-30.10 dBm

REF 25.0 dBm

ATTEN 40 dB + 20 dB

HP

10 dB/

POS PK

OFFSET

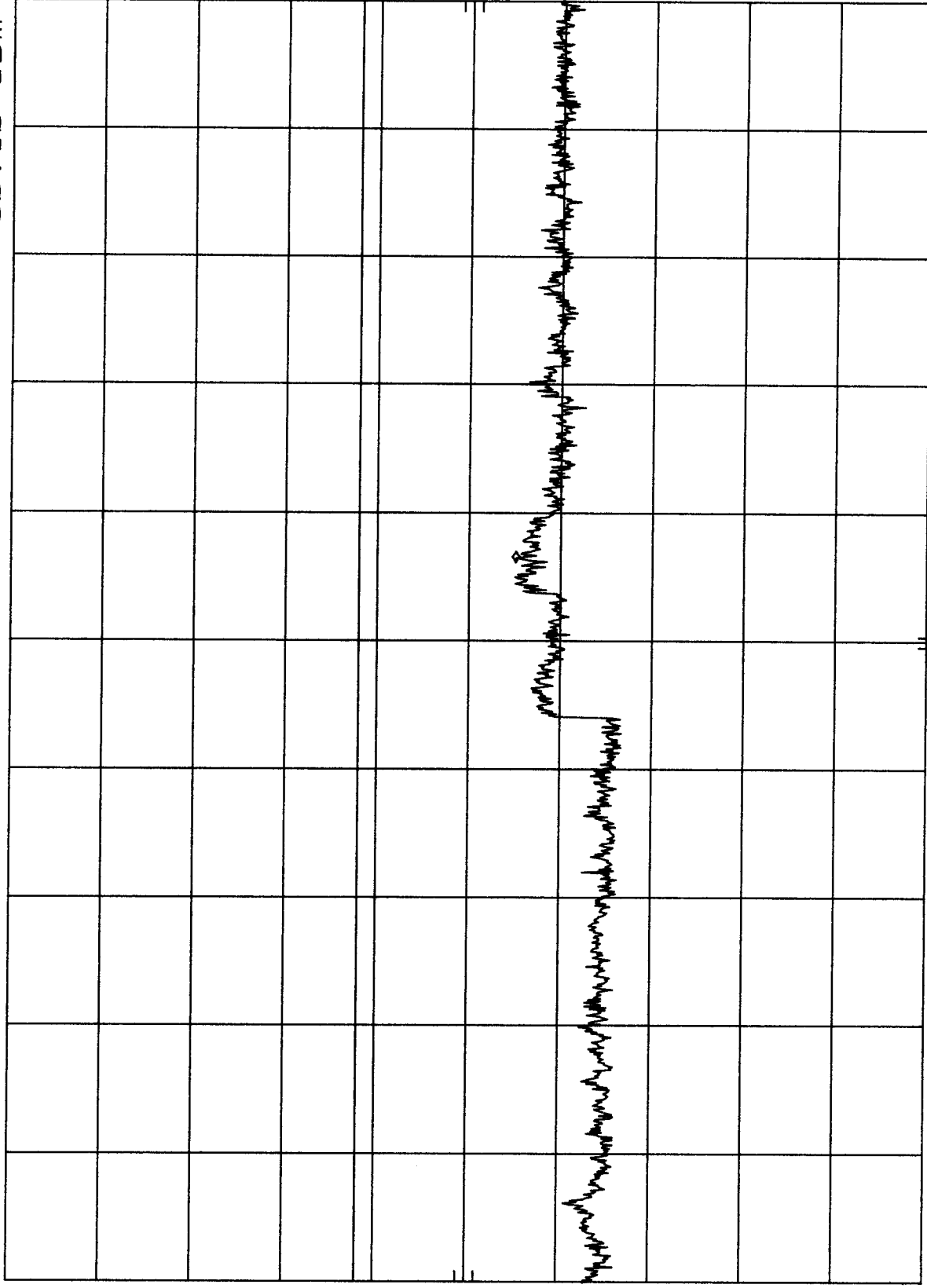
1.0

dB

DL

-13.0

dBm



START 2.50 GHz

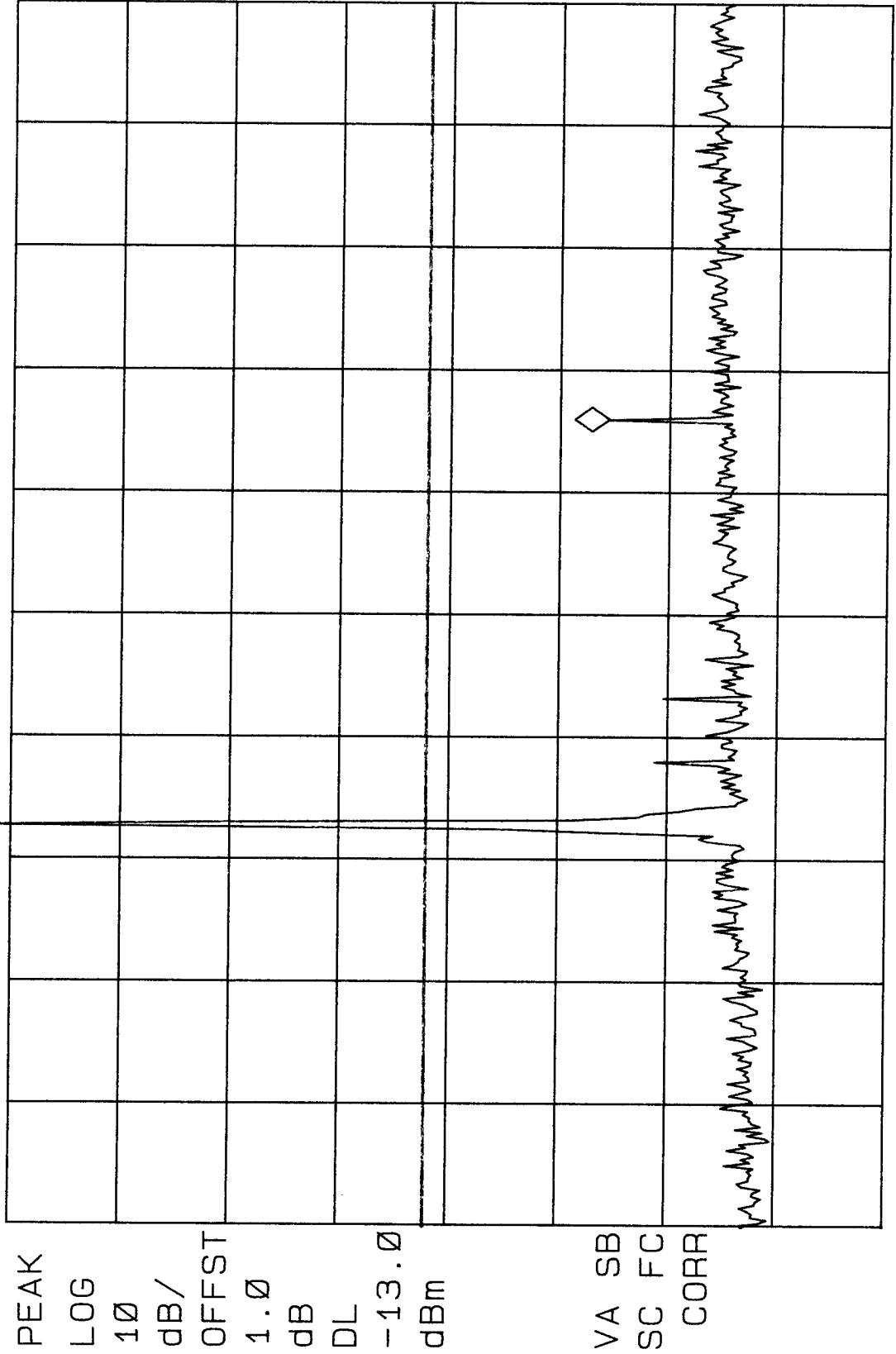
RES BW 1 MHz (i)

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

MODEL: HWC-1000 CDMA CH-991 CON SPURS MKR 1.653 GHz
REF 25.0 dBm #ATTEN 40 dB -29.48 dBm



START 10 MHz STOP 2.500 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 50 msec

991

HWC-1000 CDMA MODE CON SPURS

MKR 6.835 GHz
-28.70 dBm

HP

REF 25.0 dBm

ATTEN 40 dB + 20 dB

10 dB/

POS PK

OFFSET

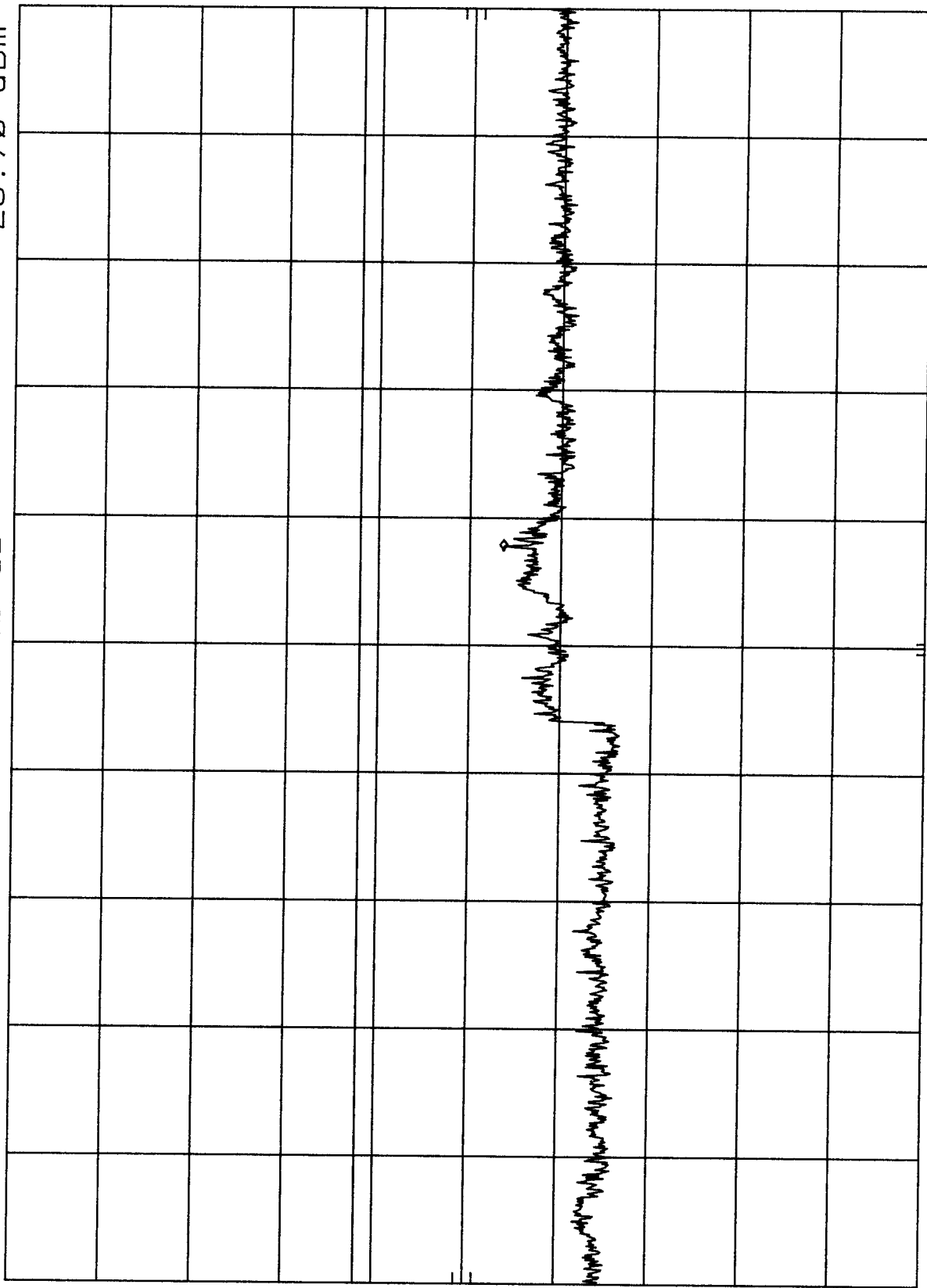
1.0

dB

DL

-13.0

dBm



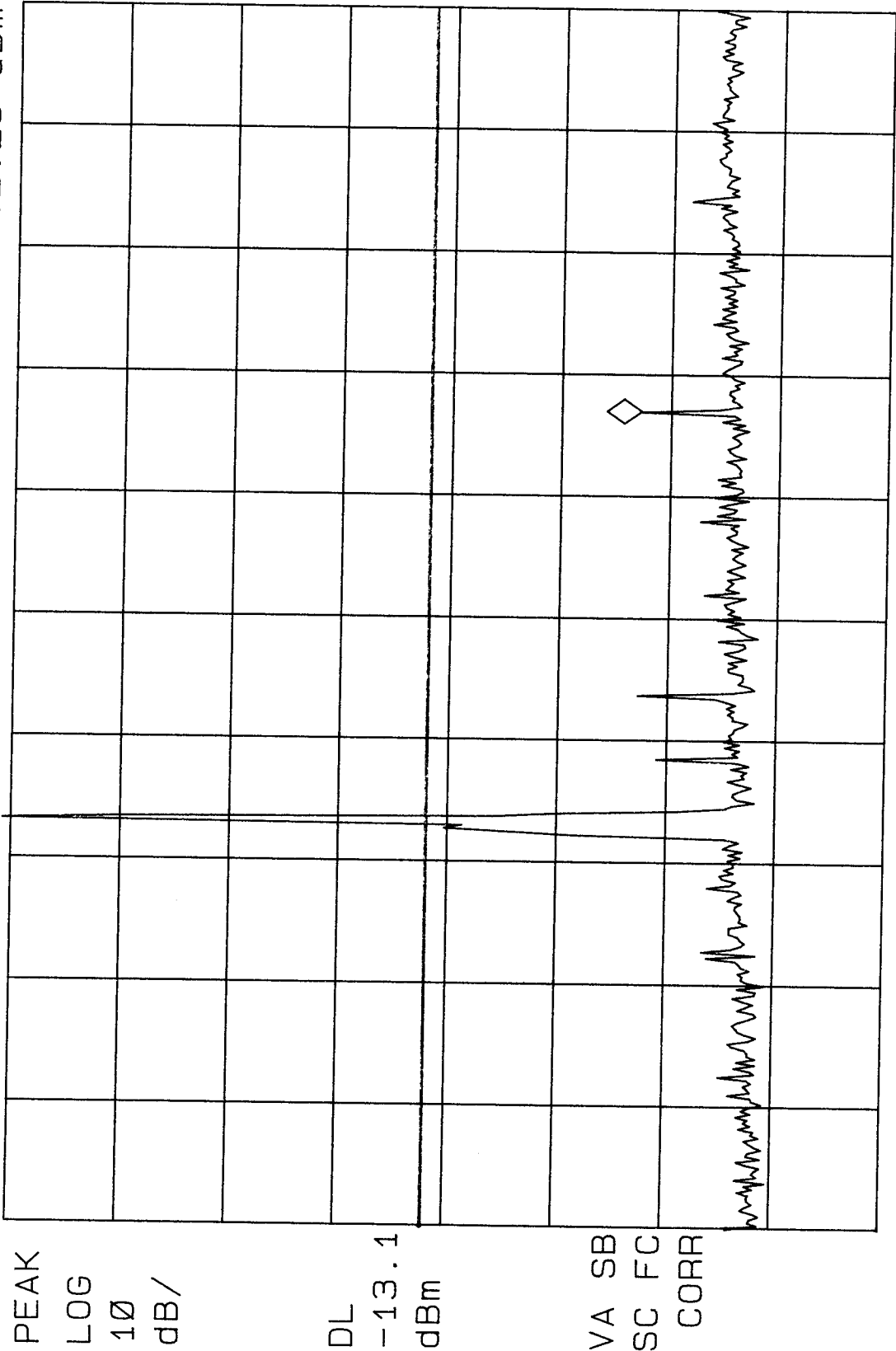
START 2.50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 10.00 GHz
SWP 188 msec

MODEL: HWC-1000 CDMA CH-383 CON SPURS MKR 1.678 GHz
REF 25.0 dBm ATTEN 40 dB -32.29 dBm



START 10 MHz #RES BW 1.0 MHz STOP 2.500 GHz
#VBW 1 MHz SWP 50 msec

Ch 383

HWC-1000 CDMA MODE CON SPURS

MKR 6.603 GHz
-28.30 dBm

hp

REF 25.0 dBm

ATTEN 40 dB + 20 dB

10 dB/

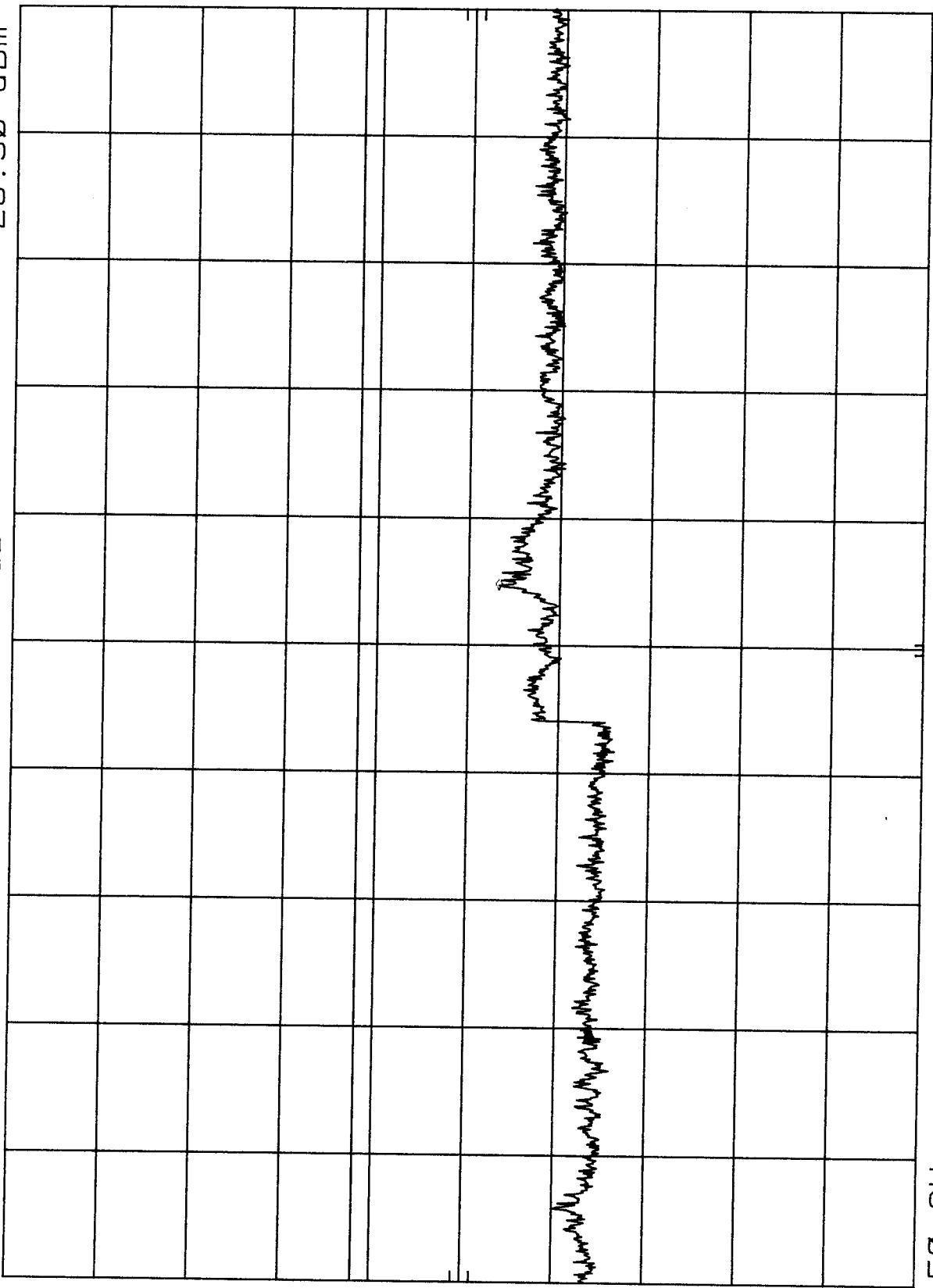
POS PK

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