

# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH3500

Mid Channel

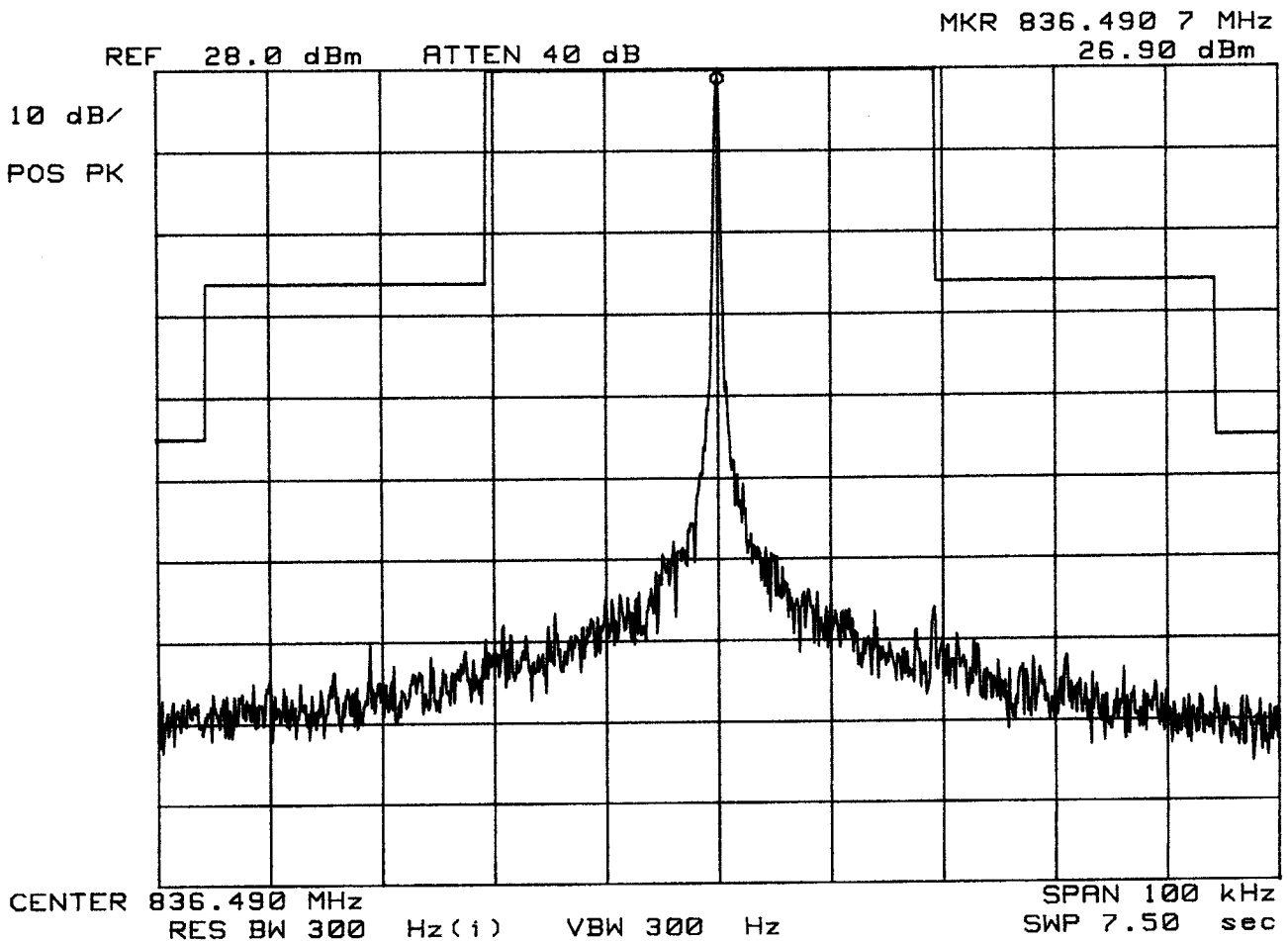
Samsung DualBand Phone

FM Mode

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:Unmodulated Signal



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH3500

Mid Channel

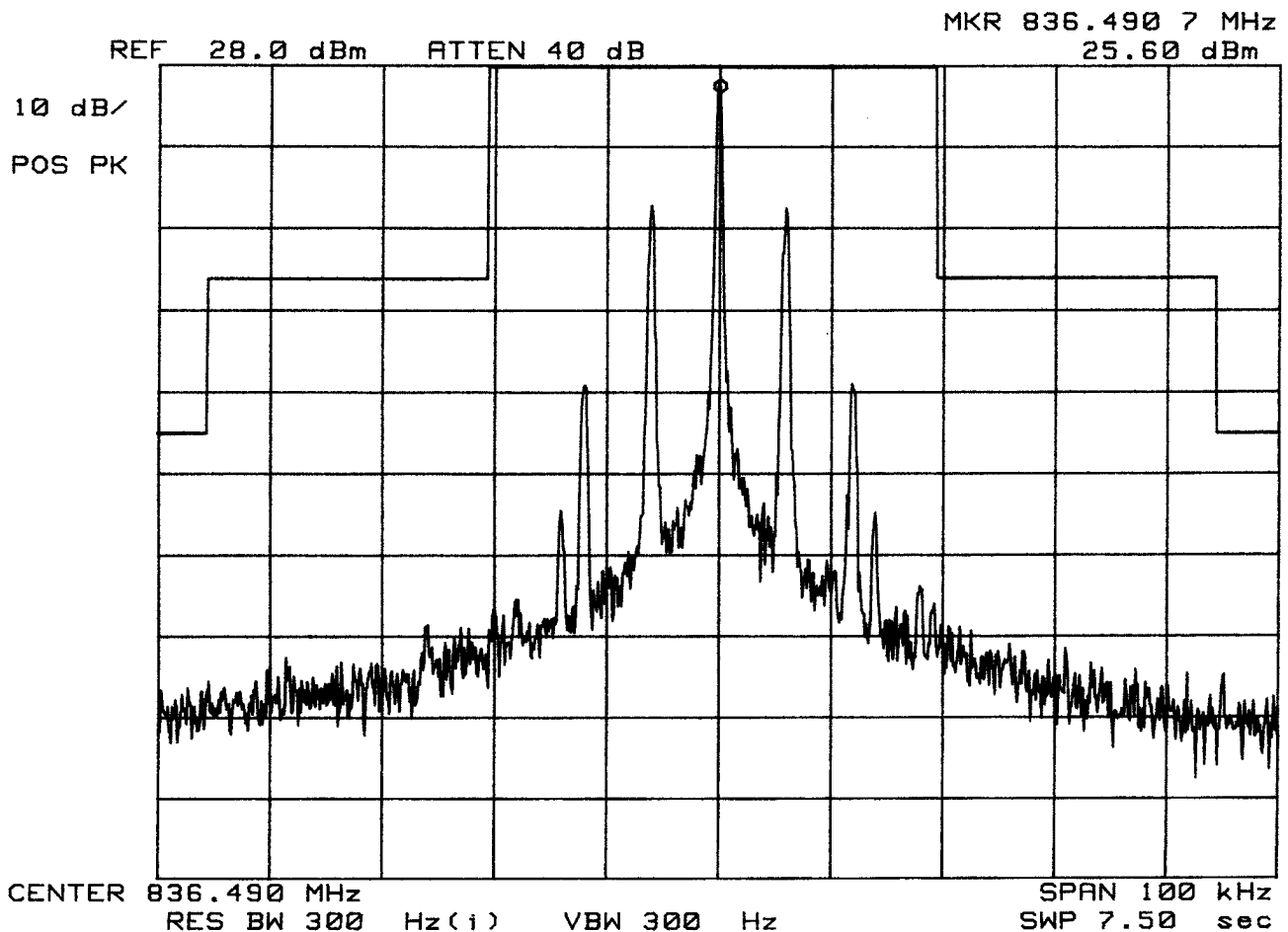
Samsung DualBand Phone

FM Mode

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:SAT



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH3500

Mid Channel

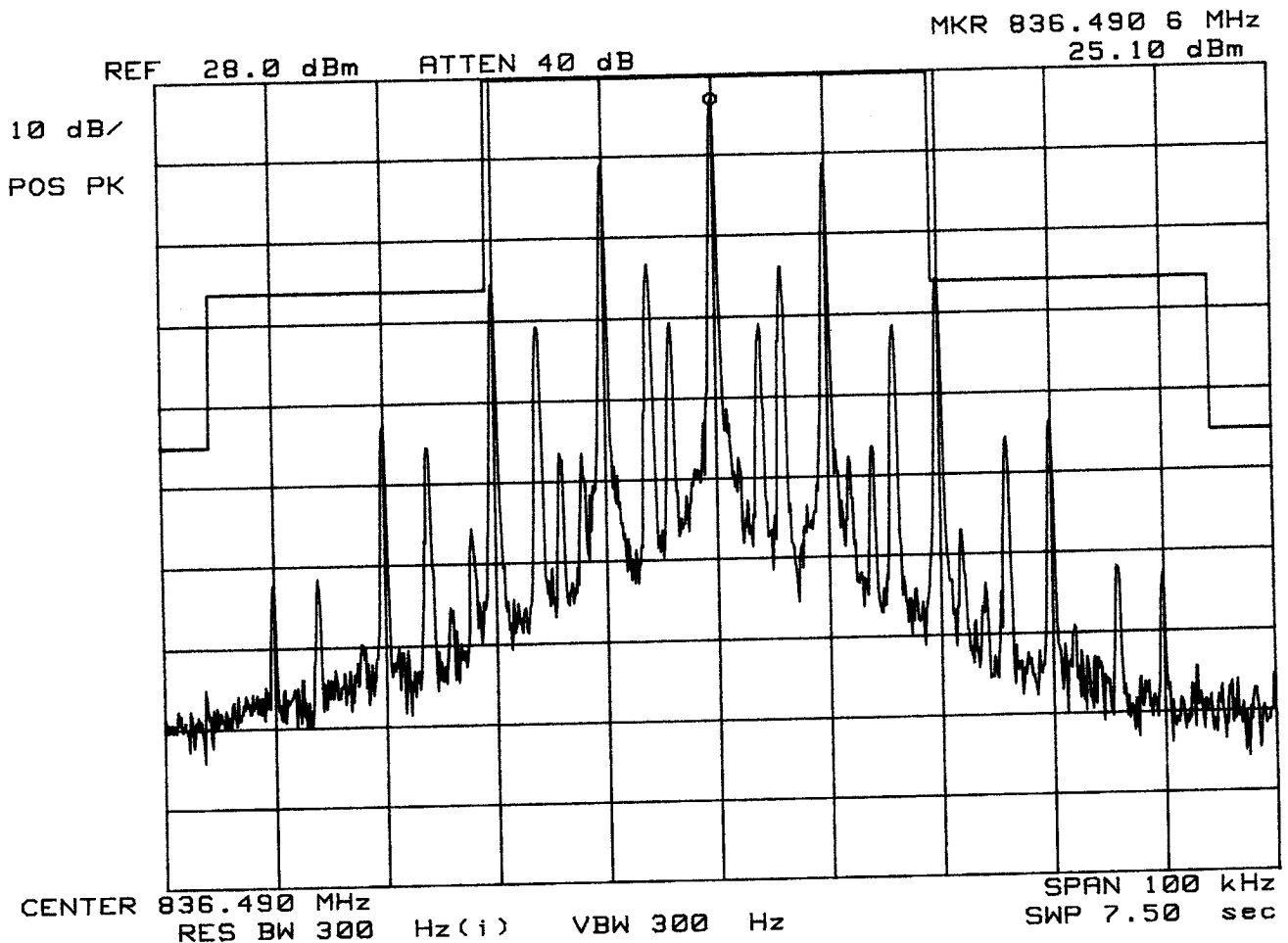
Samsung DualBand Phone

FM Mode

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:SAT + ST



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH3500

Mid Channel

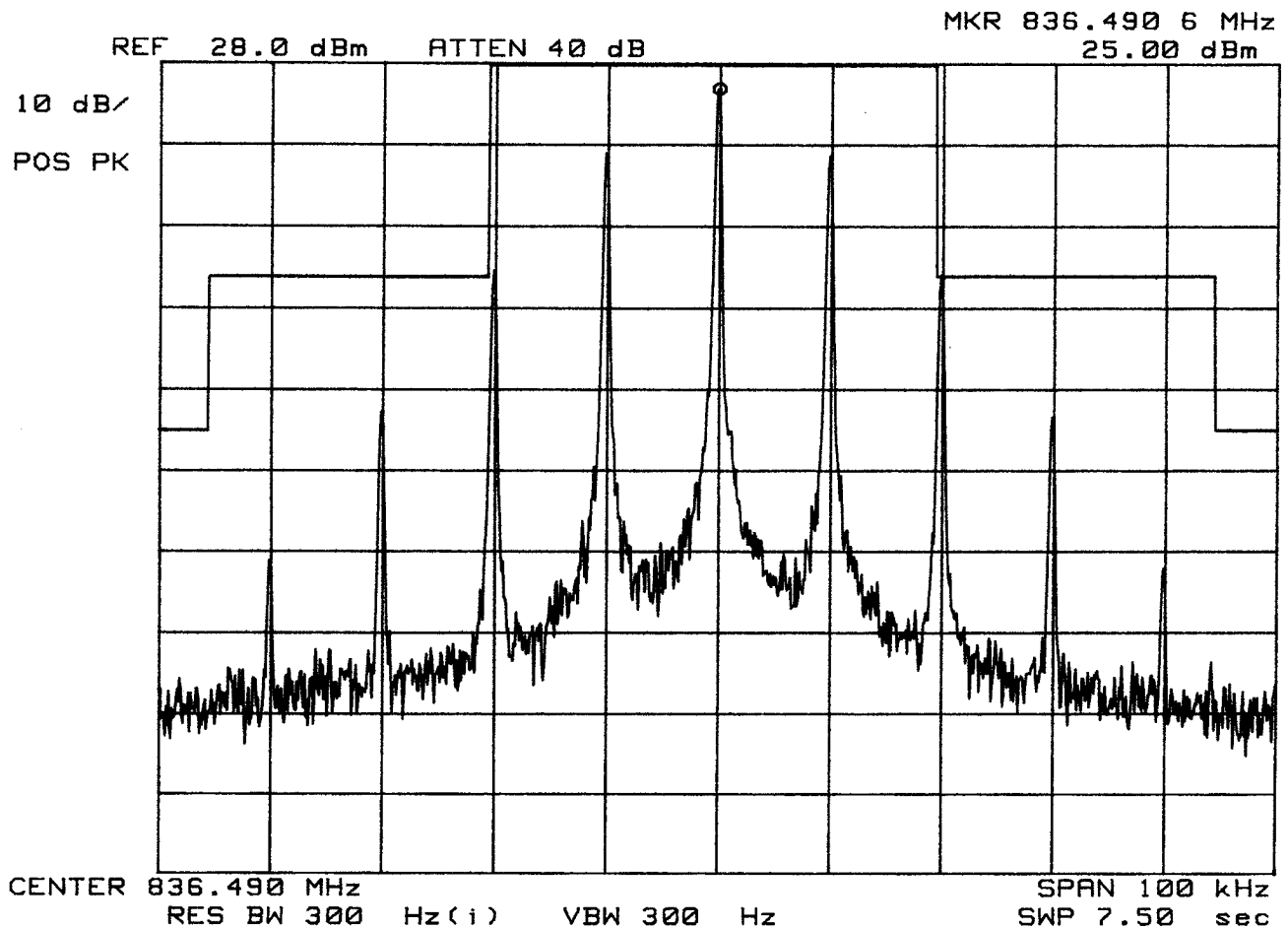
Samsung DualBand Phone

FM Mode

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:ST



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH3500

Mid Channel

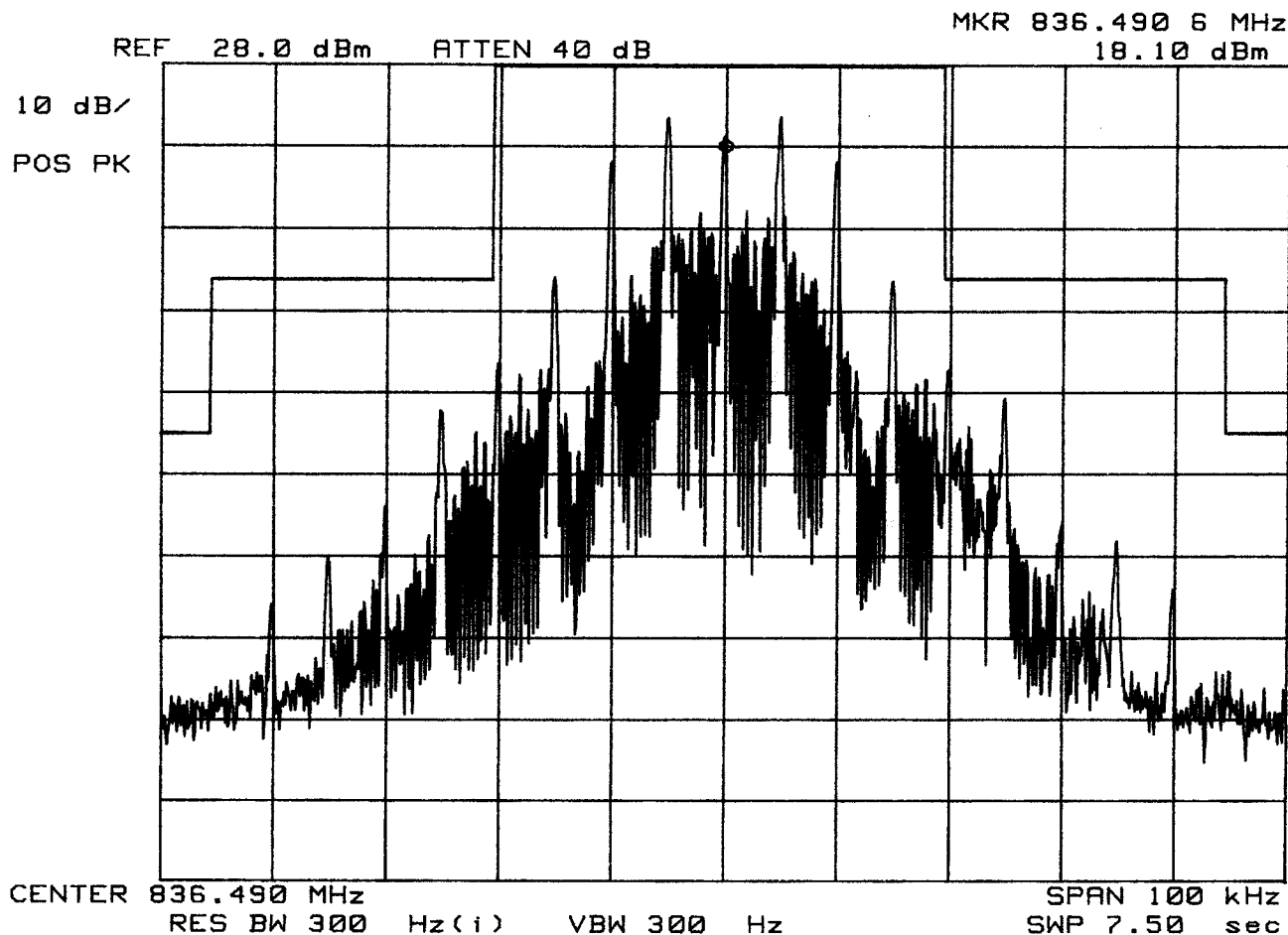
Samsung DualBand Phone

FM Mode

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:Wide Band Data



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH3500

Mid Channel

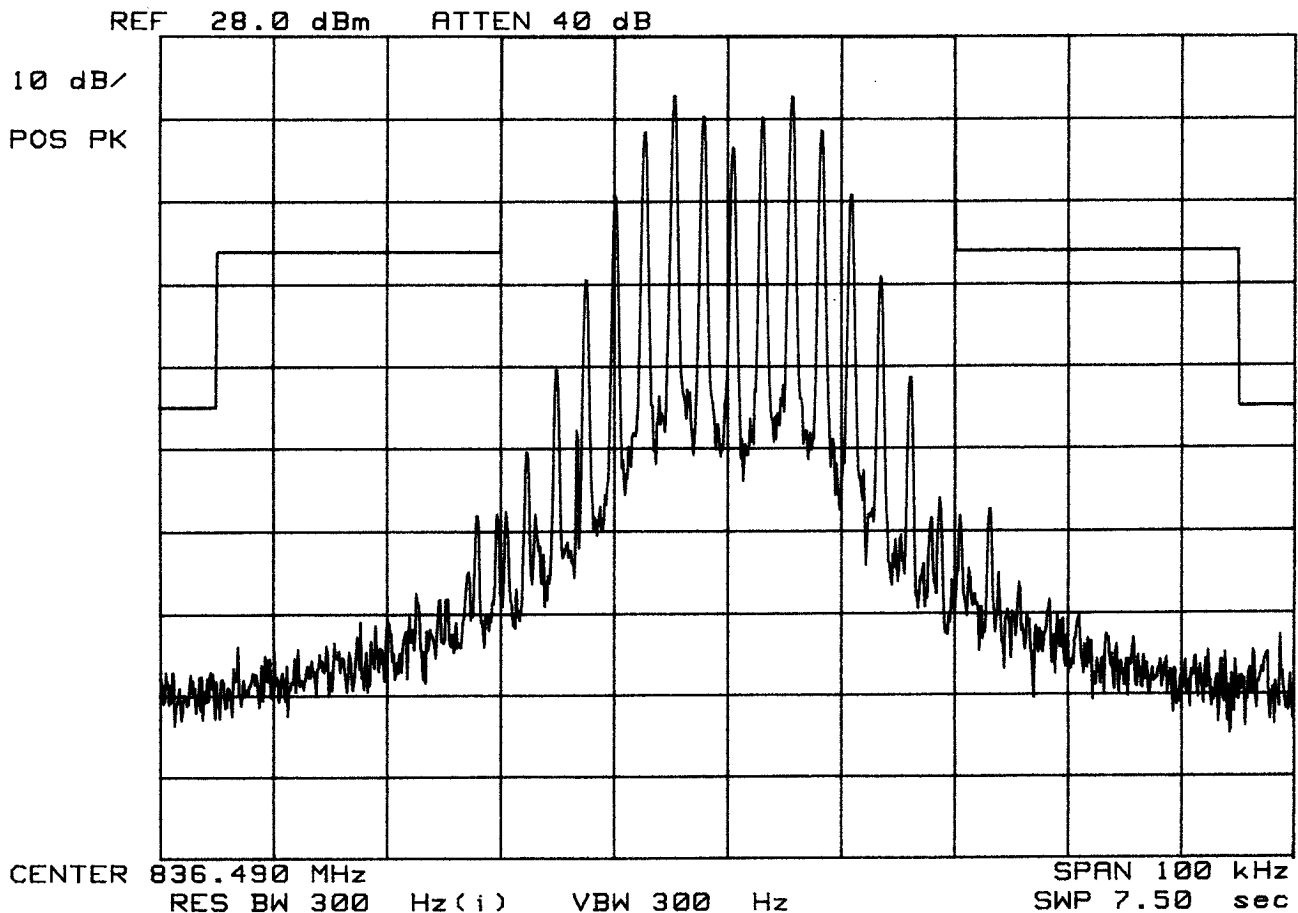
Samsung DualBand Phone

FM Mode

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:Voice



# PCTEST Engineering Lab.

## SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH3500

Mid Channel

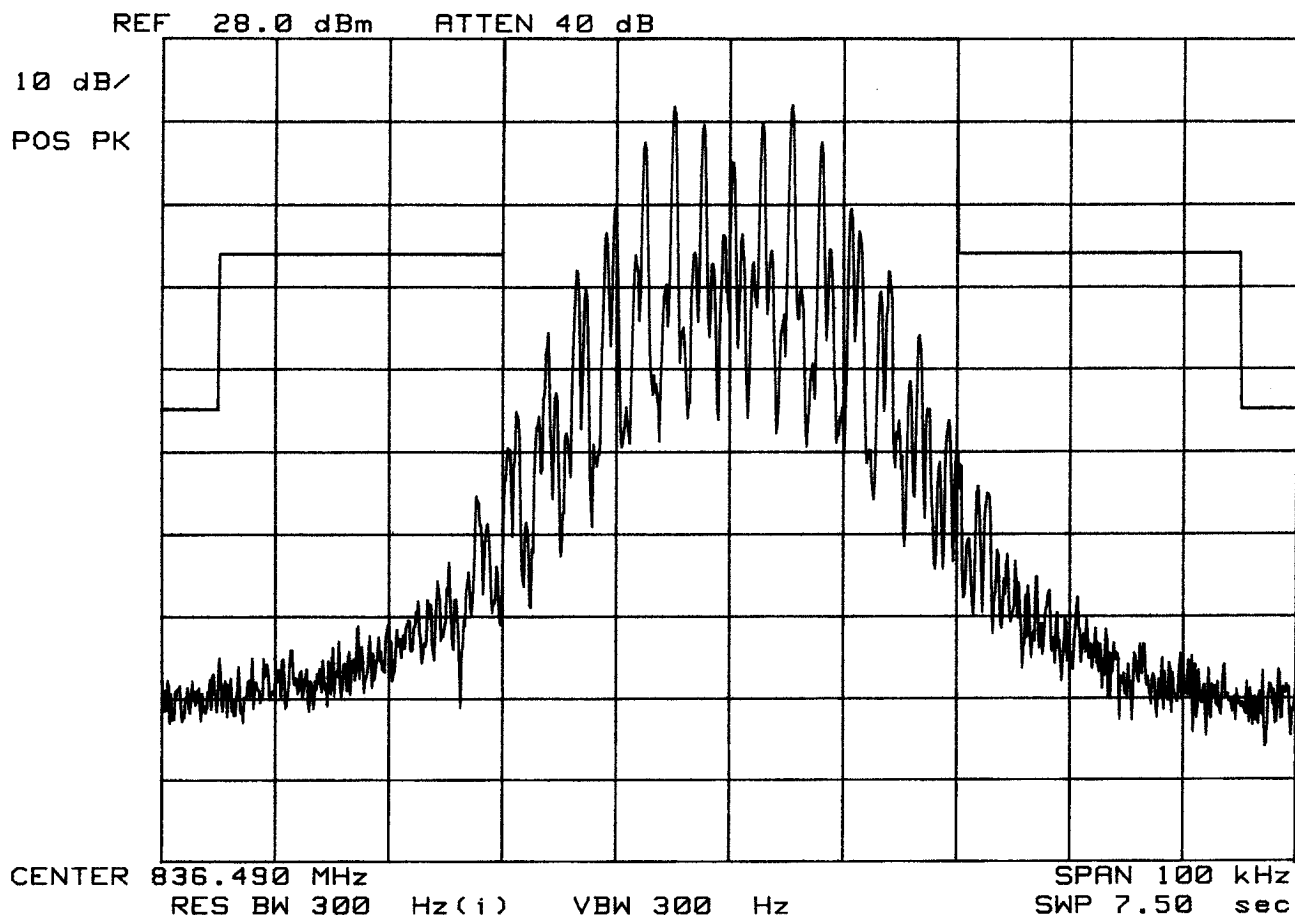
Samsung DualBand Phone

FM Mode

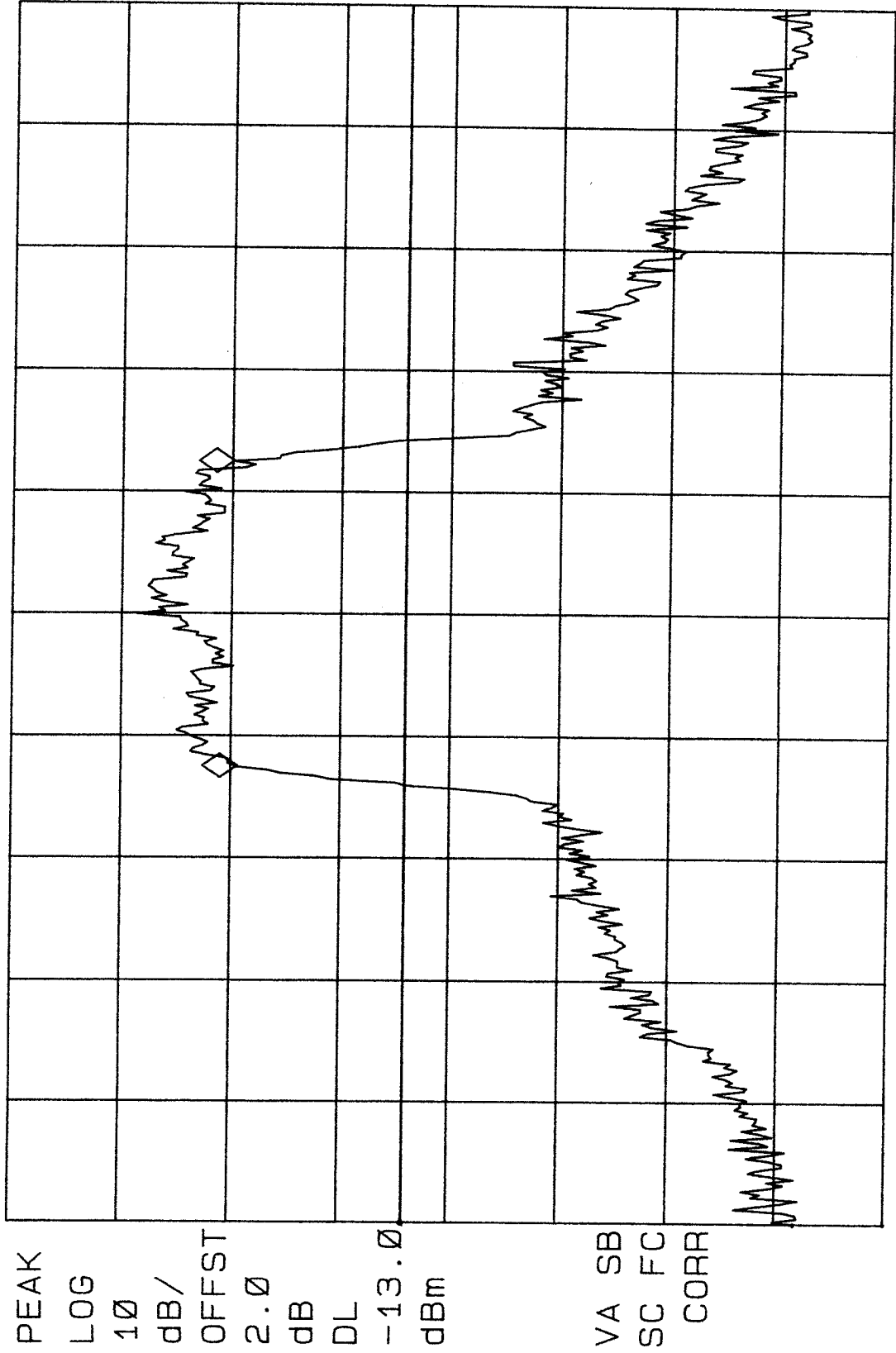
Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:SAT + Voice



FCC ID: A3LSCH3500 Ch. Med 99%Pwr MKR  $\Delta$  1.250 MHz  
REF 23.0 dBm ATTEN 40 dB .48 dB

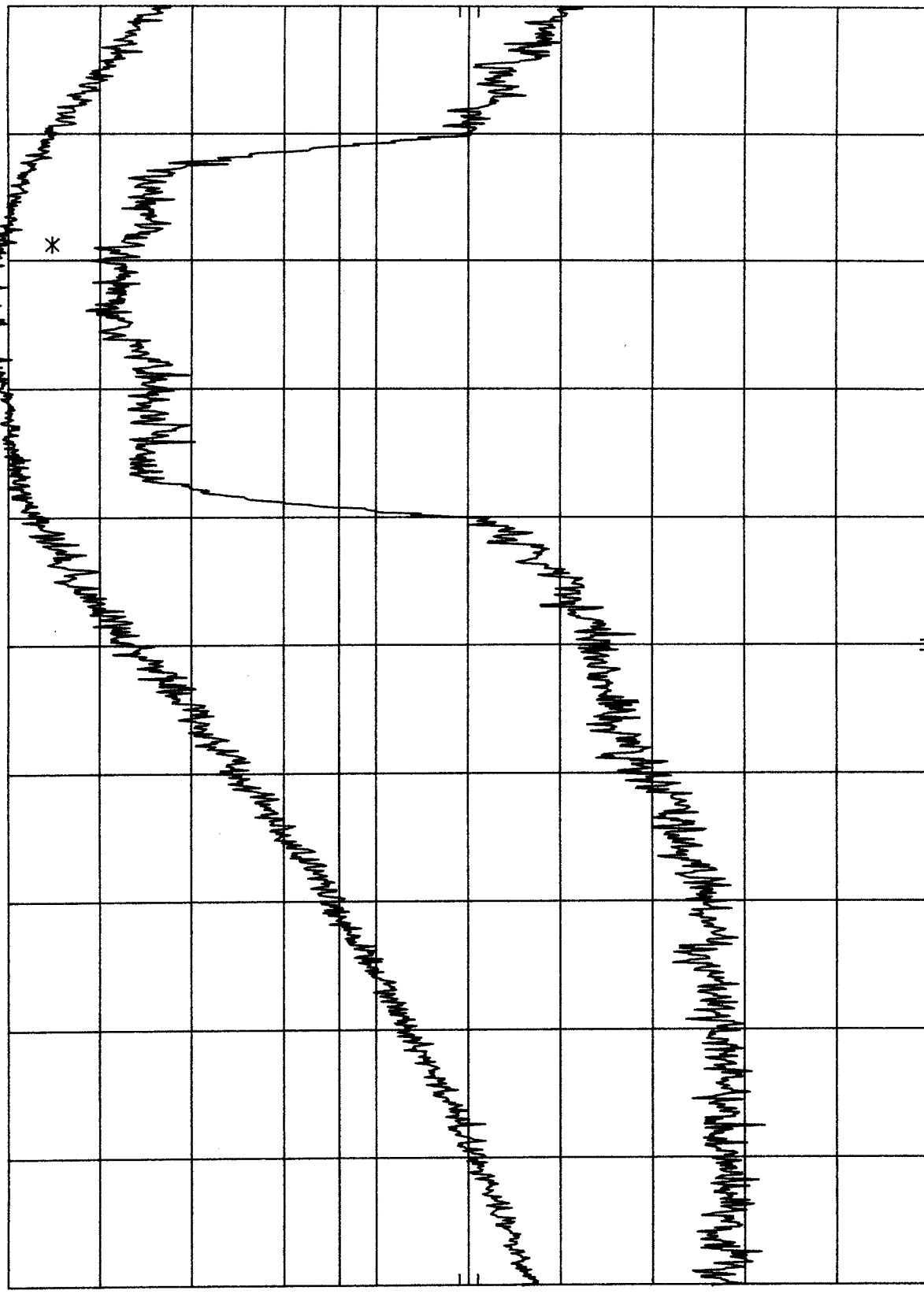


CENTER 1.880000 GHZ SPAN 5.000 MHz  
#RES BW 30 KHZ #VBW 30 KHZ #SWP 30 msec

FCC ID-A3LSCH3500 Ch.Low CDMA MKR 1.851 250 GHZ  
REF 23.0 dBm ATTN 40 dB + 20 dB 25.30 dBm

hp

10 dB/  
POS PK  
OFFSET  
2.0  
dB  
DL  
-13.0  
dBm



CENTER 1.850 00 GHZ RES BW 30 KHZ (i) VBW 30 KHZ SPAN 5.00 MHZ SWP 37.5 msec

FCC ID-A3LSCH3500 Ch. Med CDMA  
MKR 1.880 005 GHz  
REF 23.0 dBm ATTN 40 dB + 20 dB  
25.30 dBm

hp

10 dB/

POS PK

OFFSET

2.0

dB

DL

-13.0

dBm



CENTER 1.880 00 GHz  
RES BW 30 KHZ (1)  
SPAN 5.00 MHz  
SWP 37.5 msec  
VBW 30 KHZ

FCC ID-A3LSCH3500 Ch.High CDMA  
MKR 1.908 750 GHz  
REF 23.0 dBm ATTN 40 dB + 20 dB  
21.90 dBm

hp

10 dB/

POS PK

OFFSET

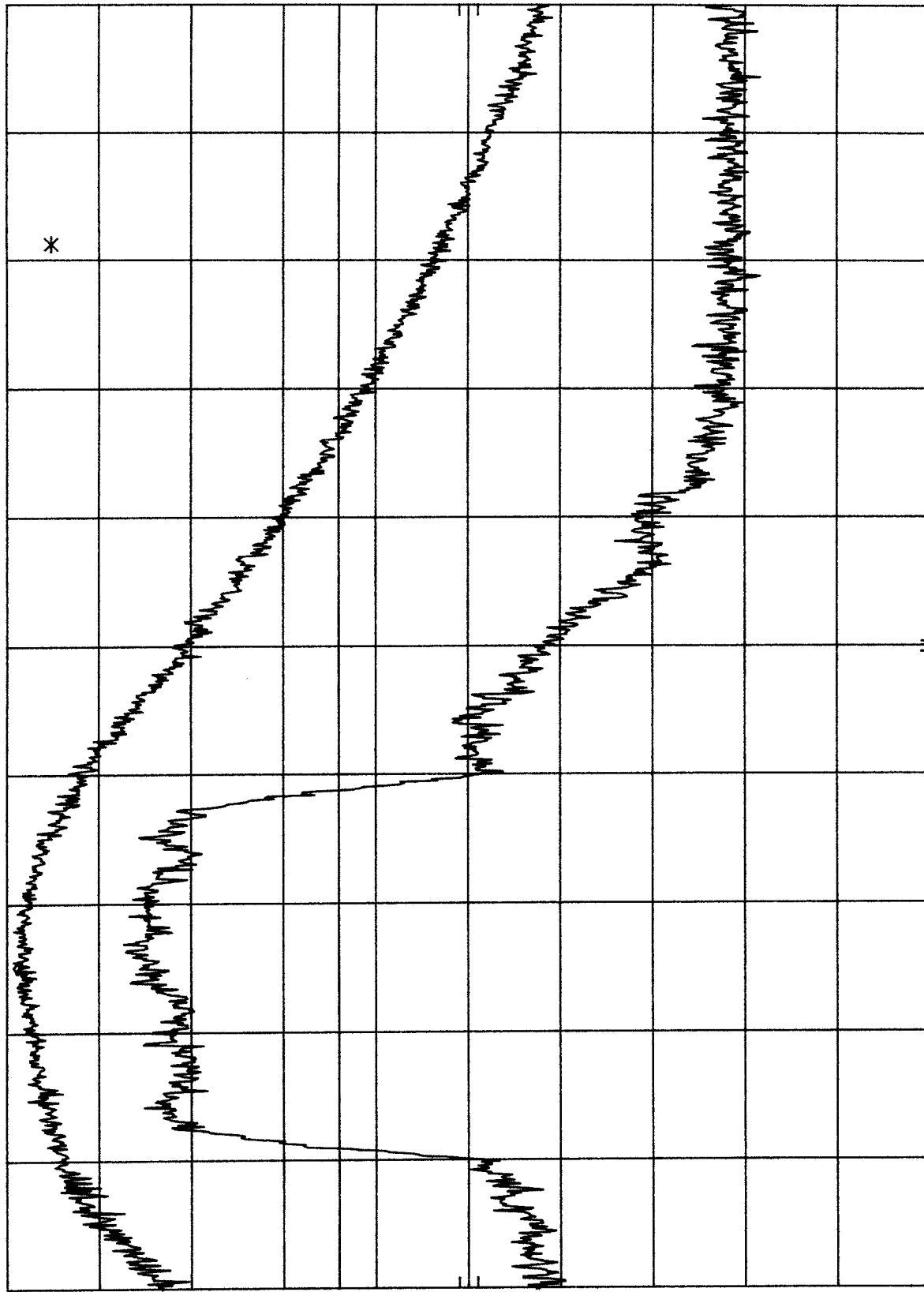
2.0

dB

DL

-13.0

dBm



CENTER 1.910 00 GHz

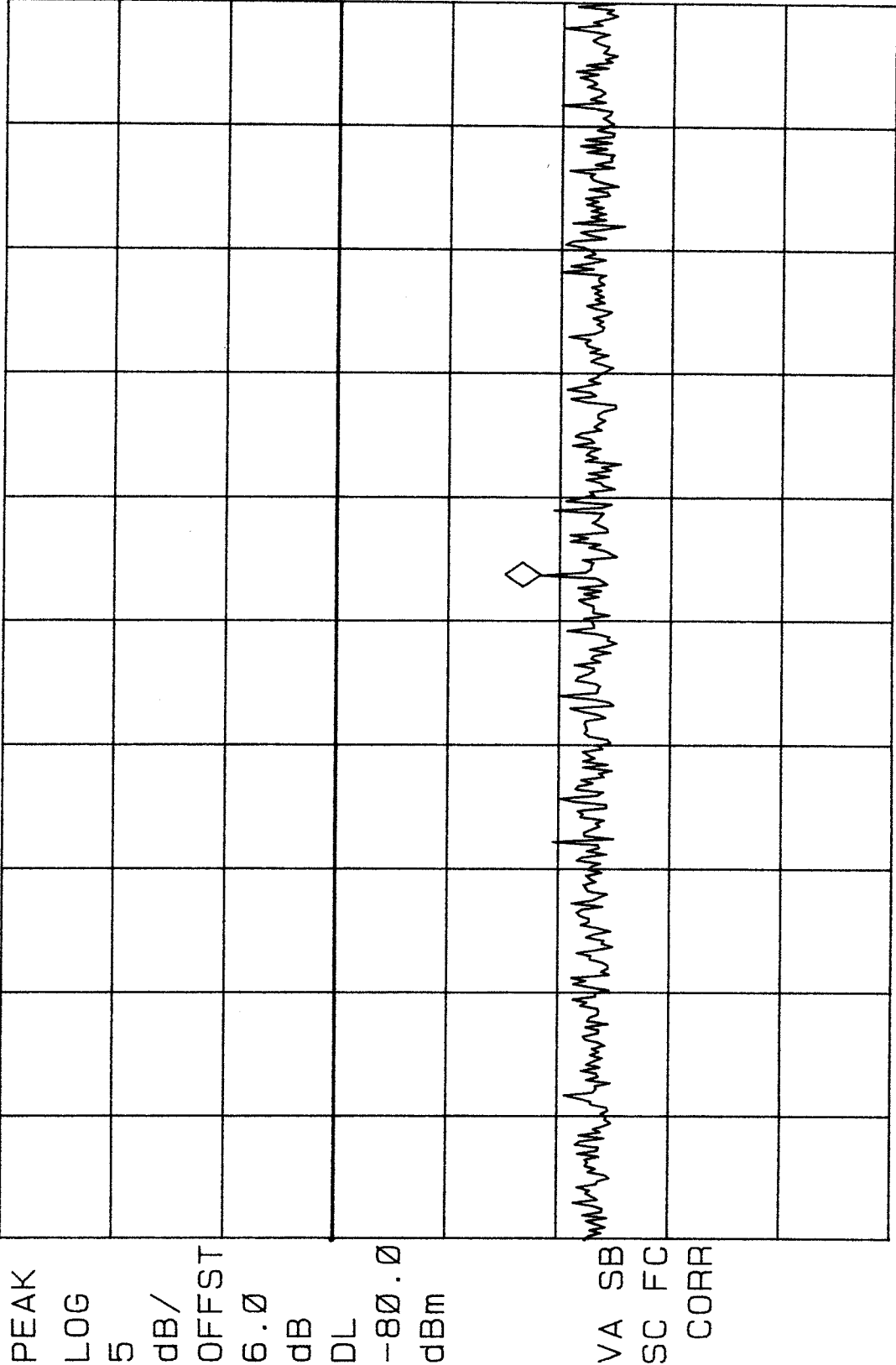
RES BW 30 KHZ (i)

VBW 30 KHZ

SPAN 5.00 MHz

SWP 37.5 msec

FCC ID: A3LSCH3500    MKR 882.44 MHz  
 Rx Spurious  
 REF -65.0 dBm    ATTEN 10 dB    PG 26.0 dB    -89.14 dBm



PEAK  
 LOG  
 5  
 dB/  
 OFFST  
 6.0  
 dB  
 DL  
 -80.0  
 dBm  
 VA SB  
 SC FC  
 CORR

START 869.04 MHz    STOP 893.97 MHz  
 RES BW 300 kHz    #VBW 1 MHz    #SWP 100 msec

FCC ID-A3LSCH3500 Ch.Low CDMA  
MKR 1.847 495 GHz  
REF 23.0 dBm ATTEN 40 dB + 20 dB  
-26.40 dBm

HP

10 dB/

POS PK

OFFSET

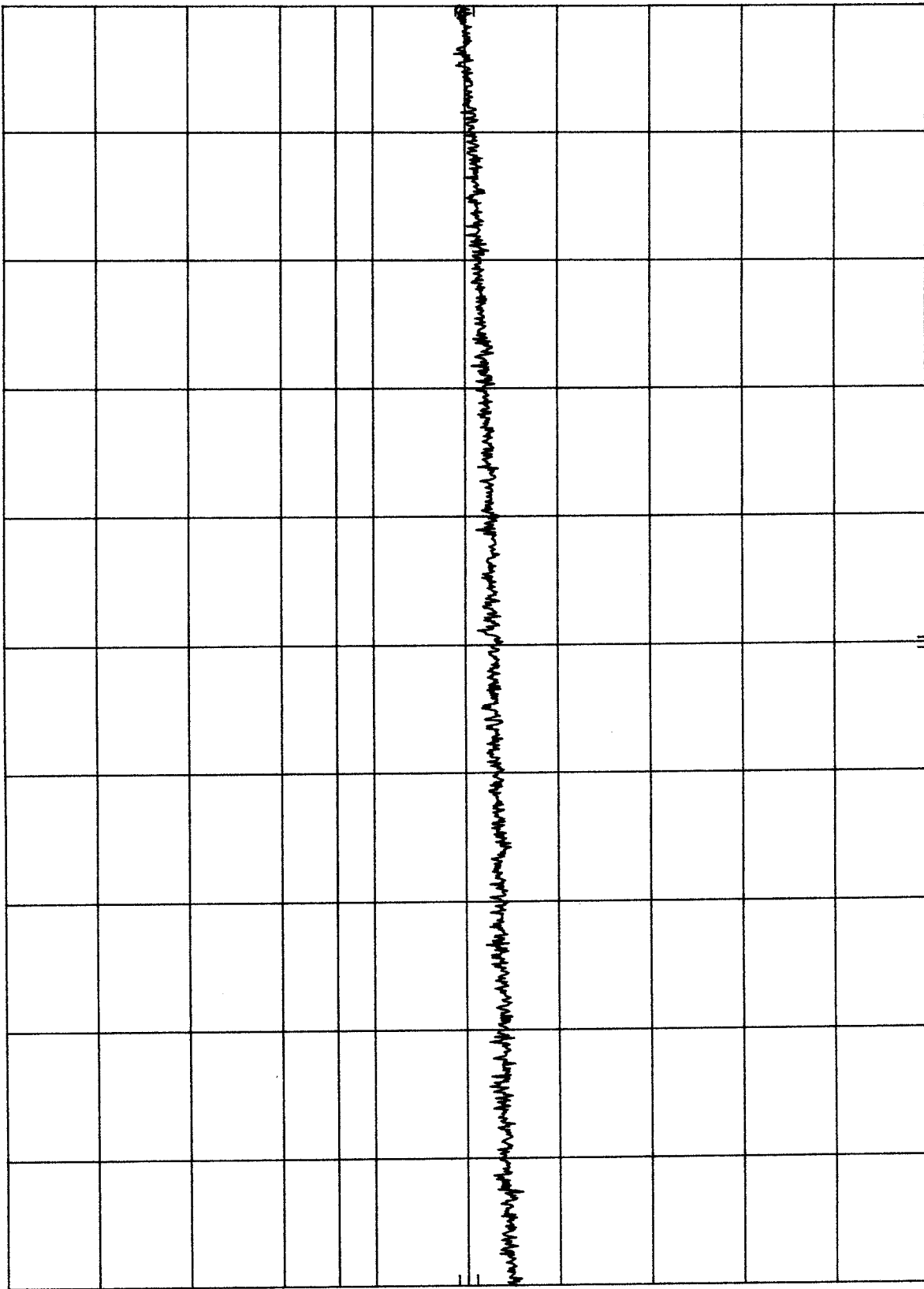
2.0

dB

DL

-13.0

dBm

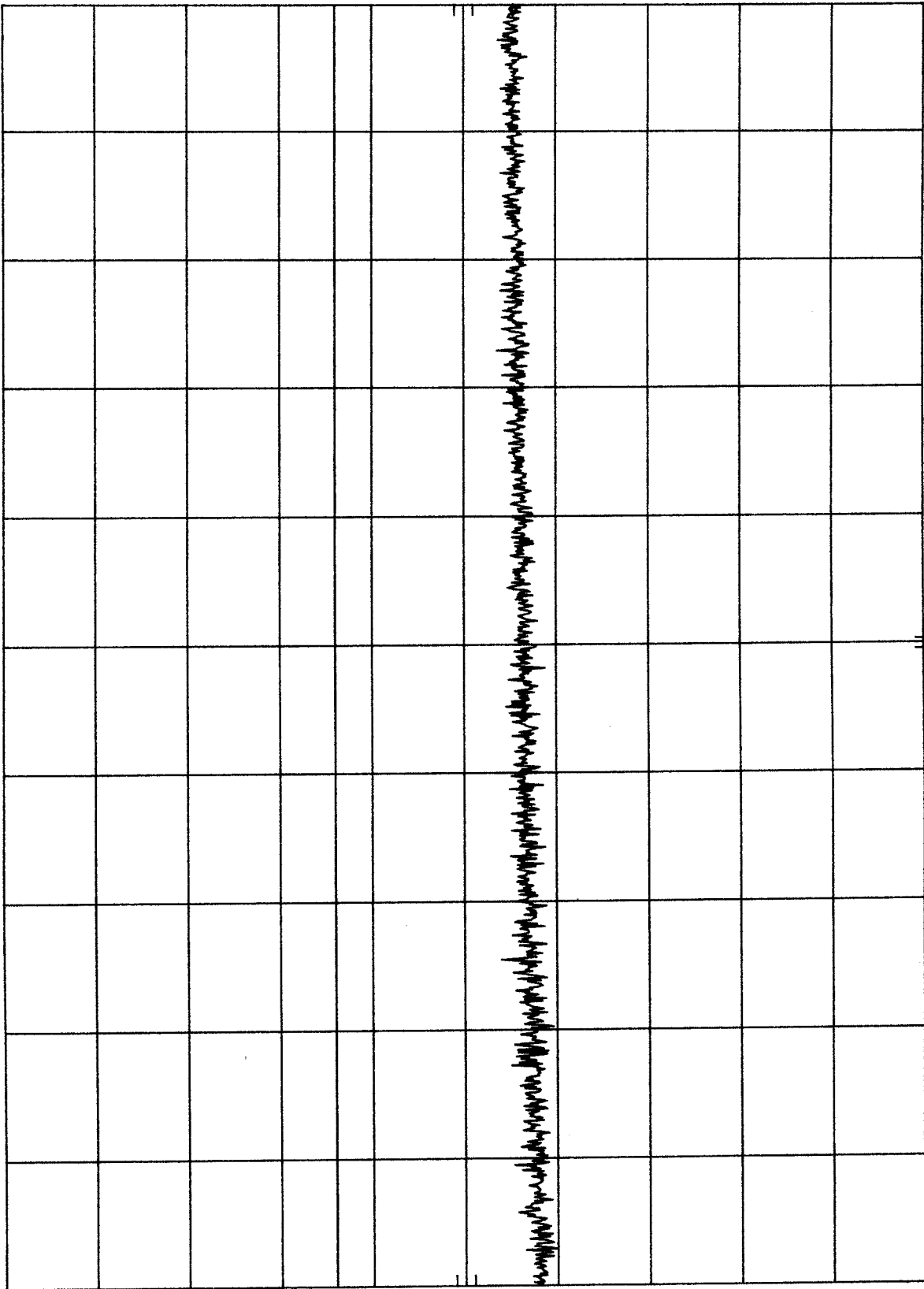


START 1.846 50 GHz  
RES BW 1 MHz (i)  
STOP 1.847 50 GHz  
SWP 20.0 msec

VBW 1 MHz

FCC ID-A3LSCH3500 Ch.Low CDMA MKR 1.846 495 GHz  
REF 23.0 dBm ATTEN 40 dB + 20 dB -32.40 dBm

hp



10 dB/

POS PK

OFFSET

2.0

dB

DL

-13.0

dBm

START 1.845 50 GHz RES BW 1 MHz (i) VBW 1 MHz STOP 1.846 50 GHz  
SWP 20.0 msec

FCC ID-A3LSCH3500 Ch.Low CDMA  
REF 23.0 dBm ATTEN 40 dB + 20 dB  
MKR 1.845 495 GHz  
-34.00 dBm

h/p

10 dB/

POS PK

OFFSET

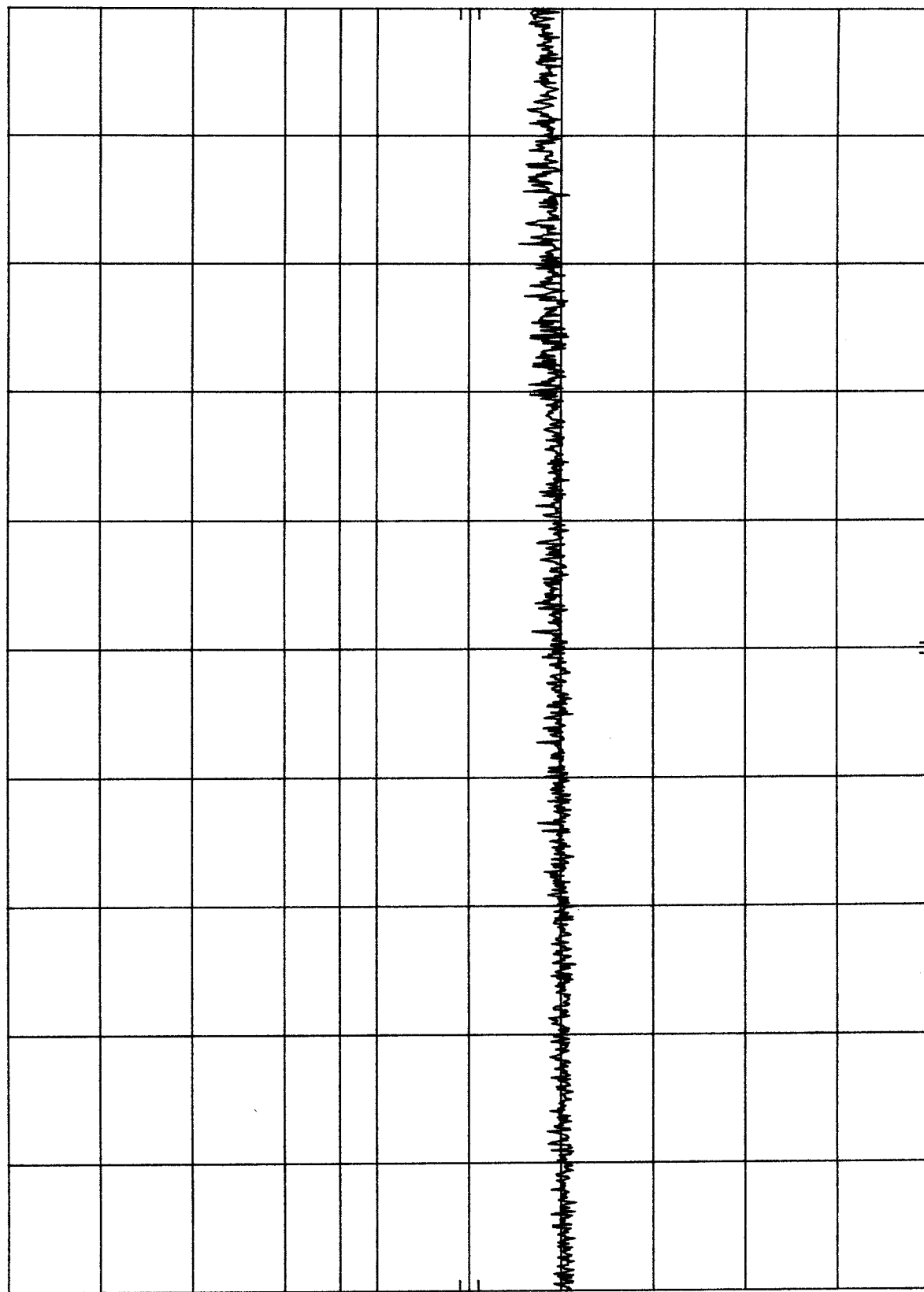
2.0

dB

DL

-13.0

dBm



START 1.844 50 GHz  
RES BW 1 MHz (i)  
STOP 1.845 50 GHz  
SWP 20.0 msec

FCC ID-A3LSCH3500 Ch.Low CDMA  
MKR 1.844 495 GHZ  
REF 23.0 dBm ATTN 40 dB + 20 dB  
-37.50 dBm

HP

10 dB/

POS PK

OFFSET

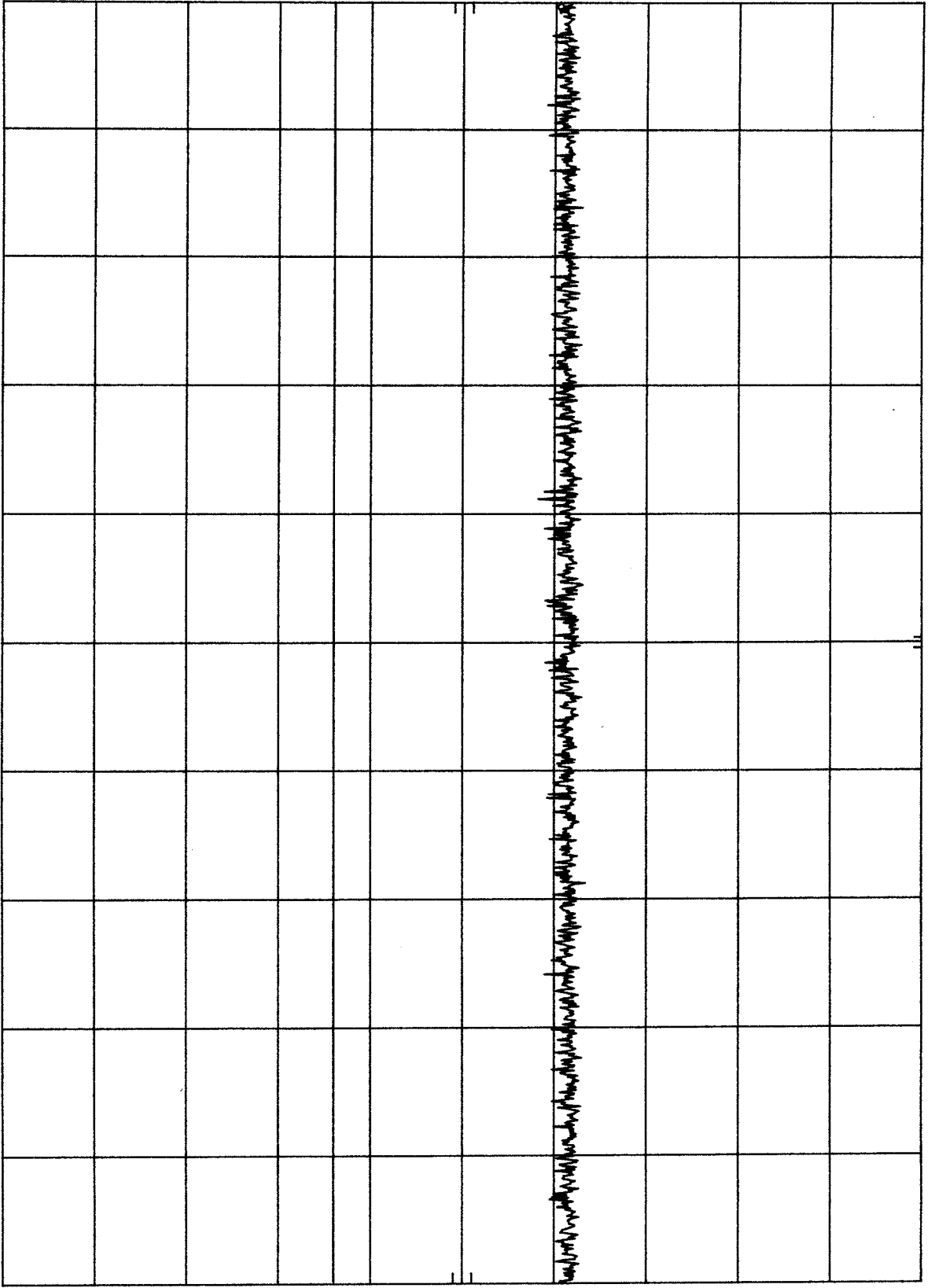
2.0

dB

DL

-13.0

dBm



START 1.843 50 GHZ  
RES BW 1 MHz (i)  
STOP 1.844 50 GHZ  
SWP 20.0 msec

VBW 1 MHz

FCC ID-A3LSCH3500 Ch.High CDMA MKR 1.912 500 GHZ  
REF 23.0 dBm ATTEN 40 dB + 20 dB -28.50 dBm

hp

10 dB/

POS PK

OFFSET

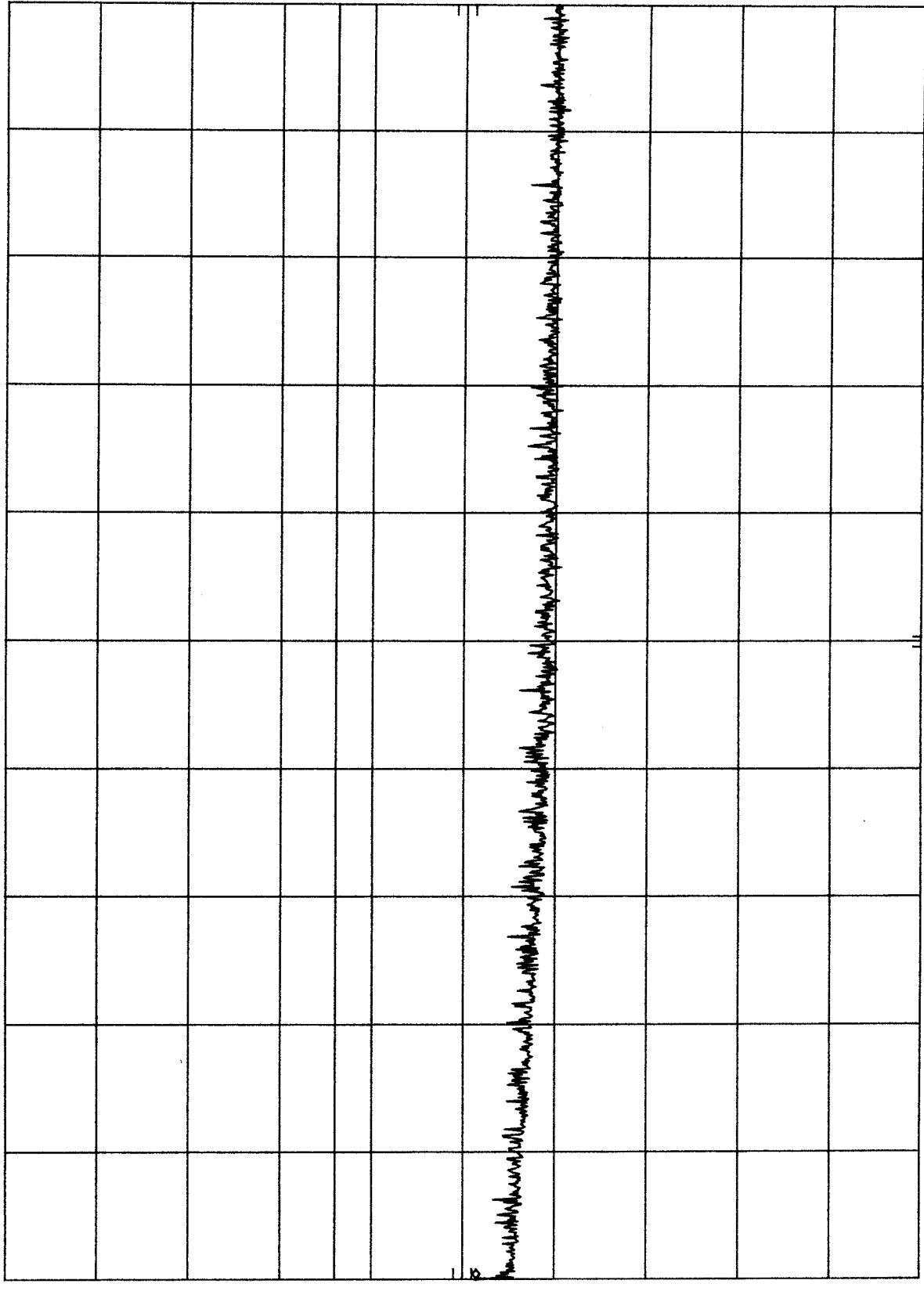
2.0

dB

DL

-13.0

dBm



START 1.912 50 GHZ

RES BW 1 MHz (i)

VBW 1 MHz

STOP 1.913 50 GHZ

SWP 20.0 msec

FCC ID-A3LSCH3500 Ch.High CDMA  
REF 23.0 dBm ATTEN 40 dB + 20 dB  
MKR 1.913 500 GHz  
-36.00 dBm

HP

10 dB/

POS PK

OFFSET

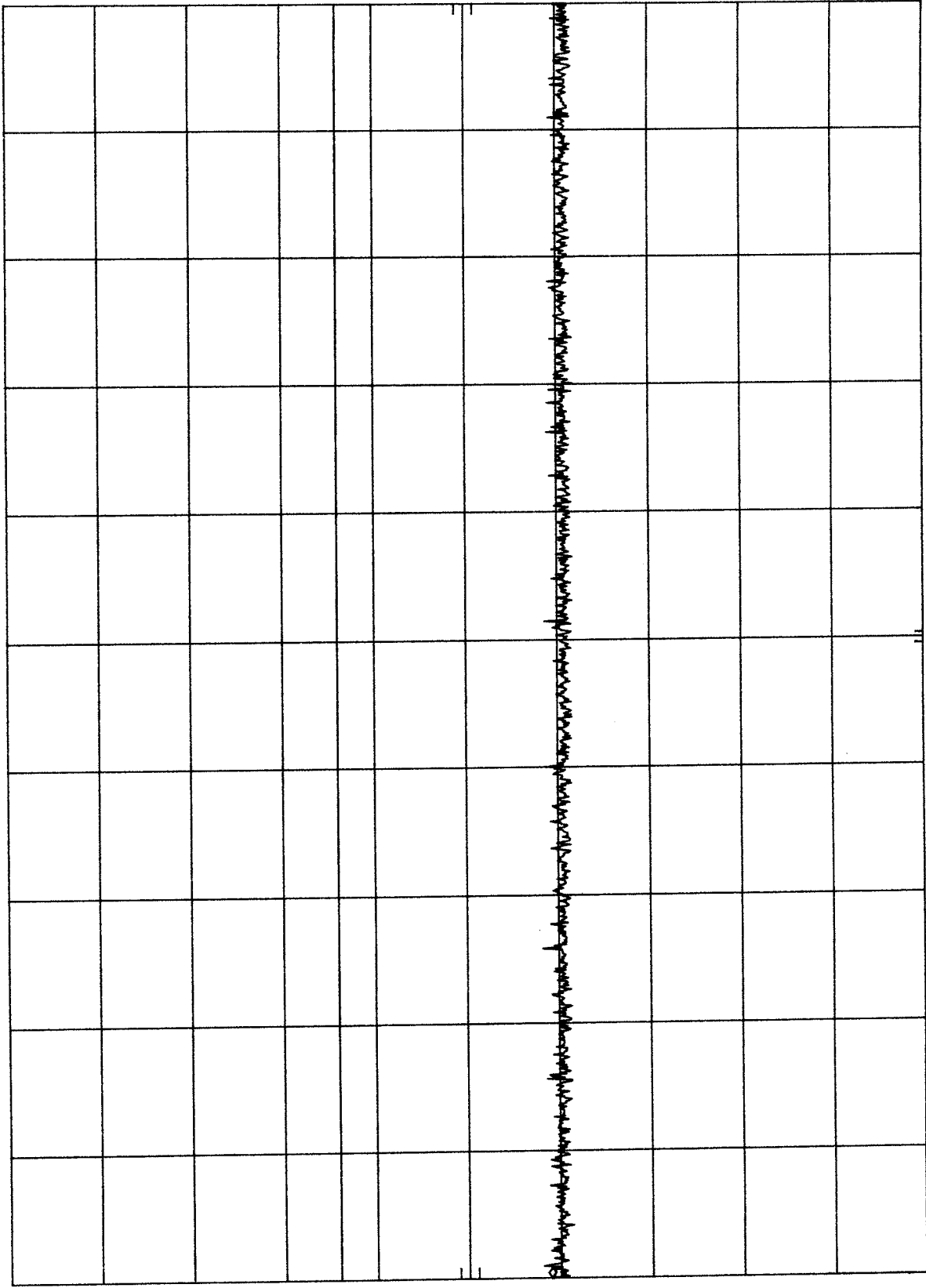
2.0

dB

DL

-13.0

dBm



START 1.913 50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 1.914 50 GHz

SWP 20.0 msec

FCC ID-A3LSCH3500 Ch.High CDMA MKR 1.914 500 GHZ  
 REF 23.0 dBm ATTEN 40 dB + 20 dB -38.00 dBm

hp

10 dB/

POS PK

OFFSET

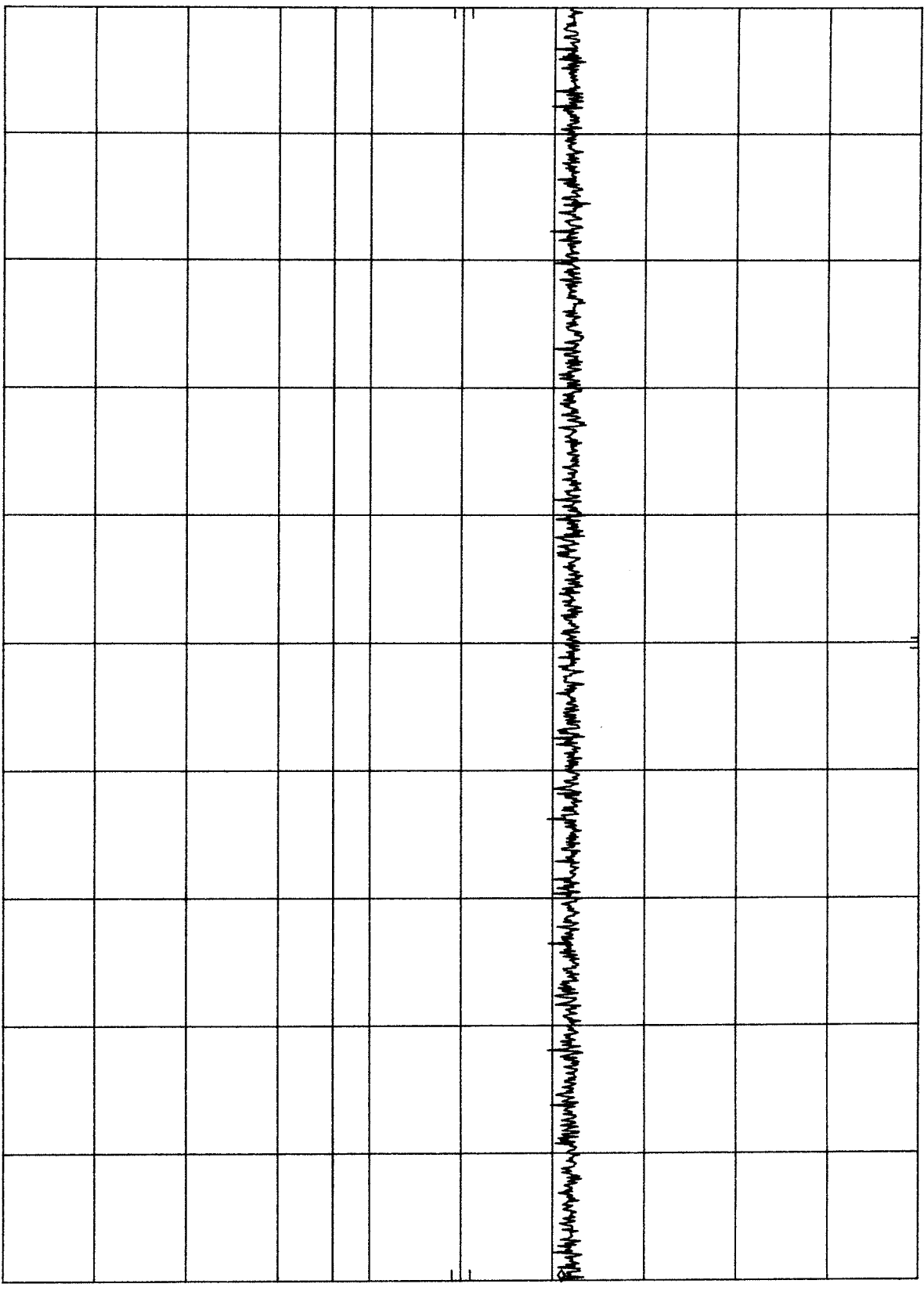
2.0

dB

DL

-13.0

dBm



START 1.914 50 GHZ STOP 1.915 50 GHZ  
 RES BW 1 MHz (i) VBW 1 MHz SWP 20.0 msec

FCC ID-A3LSCH3500 Ch.High CDMA MKR 1.915 500 GHZ  
REF 23.0 dBm ATTEN 40 dB + 20 dB -37.70 dBm

hp

10 dB/

POS PK

OFFSET

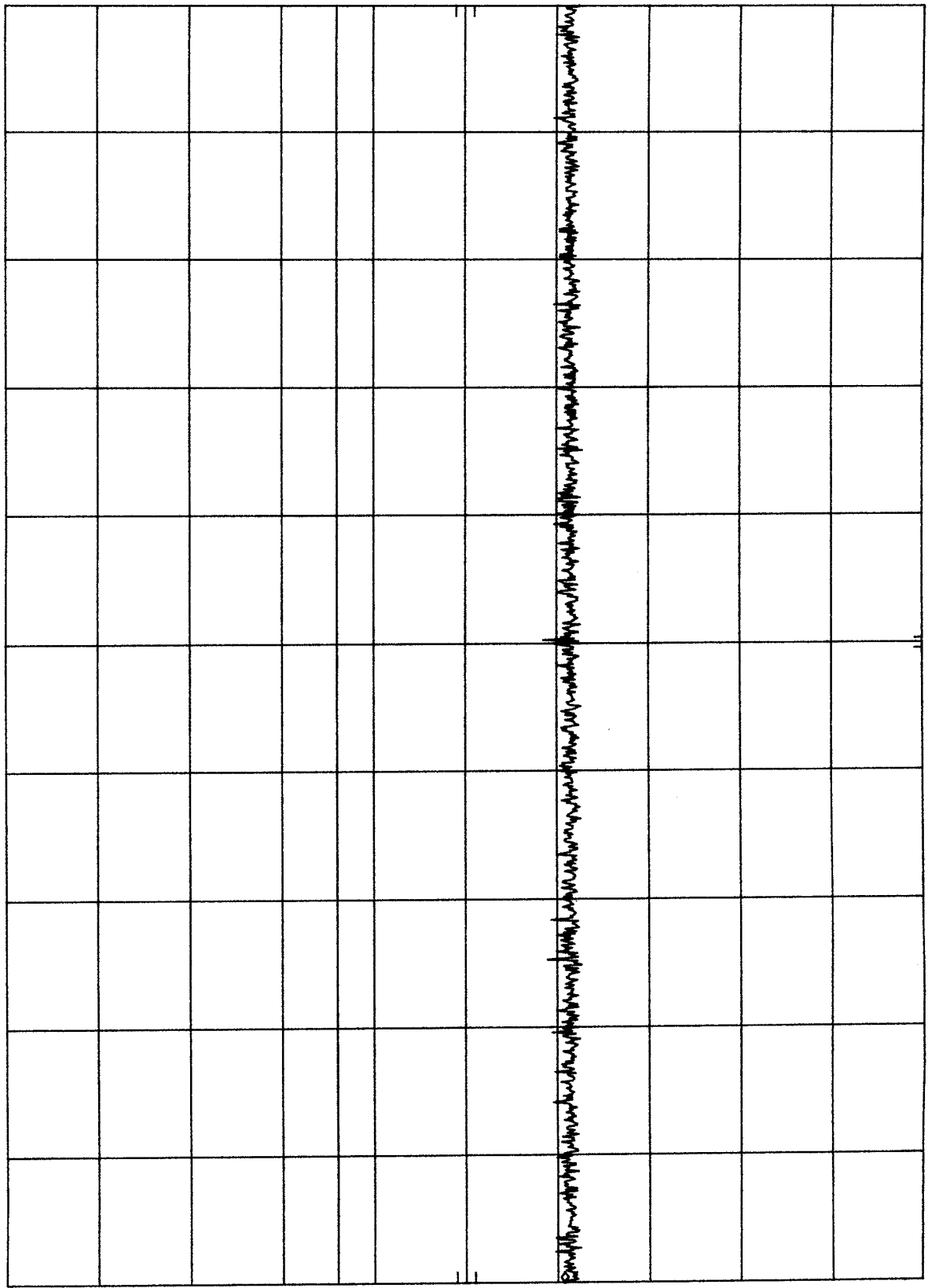
2.0

dB

DL

-13.0

dBm

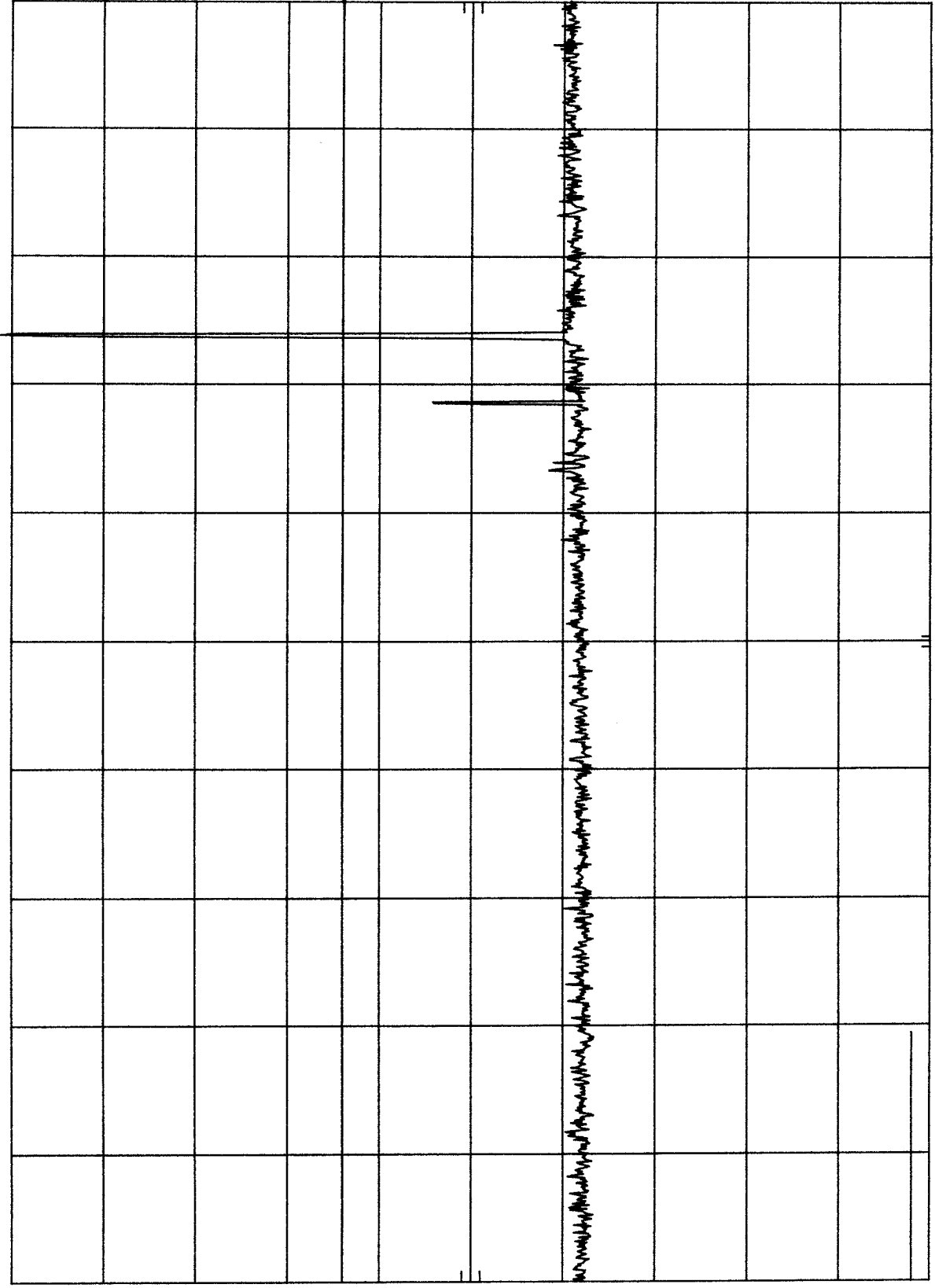


START 1.915 50 GHZ STOP 1.916 50 GHZ  
RES BW 1 MHz (i) VBW 1 MHz SWP 20.0 msec

FCC ID-A3LSCH3500 Ch.Low Cond.Spurs.  
REF 23.0 dBm ATTEN 40 dB + 20 dB

hp

10 dB/  
POS PK  
OFFSET  
2.0  
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-A3LSCH3500 Ch.Low Cond.Spurs.  
MKR 6.625 GHz  
REF 23.0 dBm ATTEN 40 dB + 20 dB  
-26.10 dBm

HP

10 dB/

POS PK

OFFSET

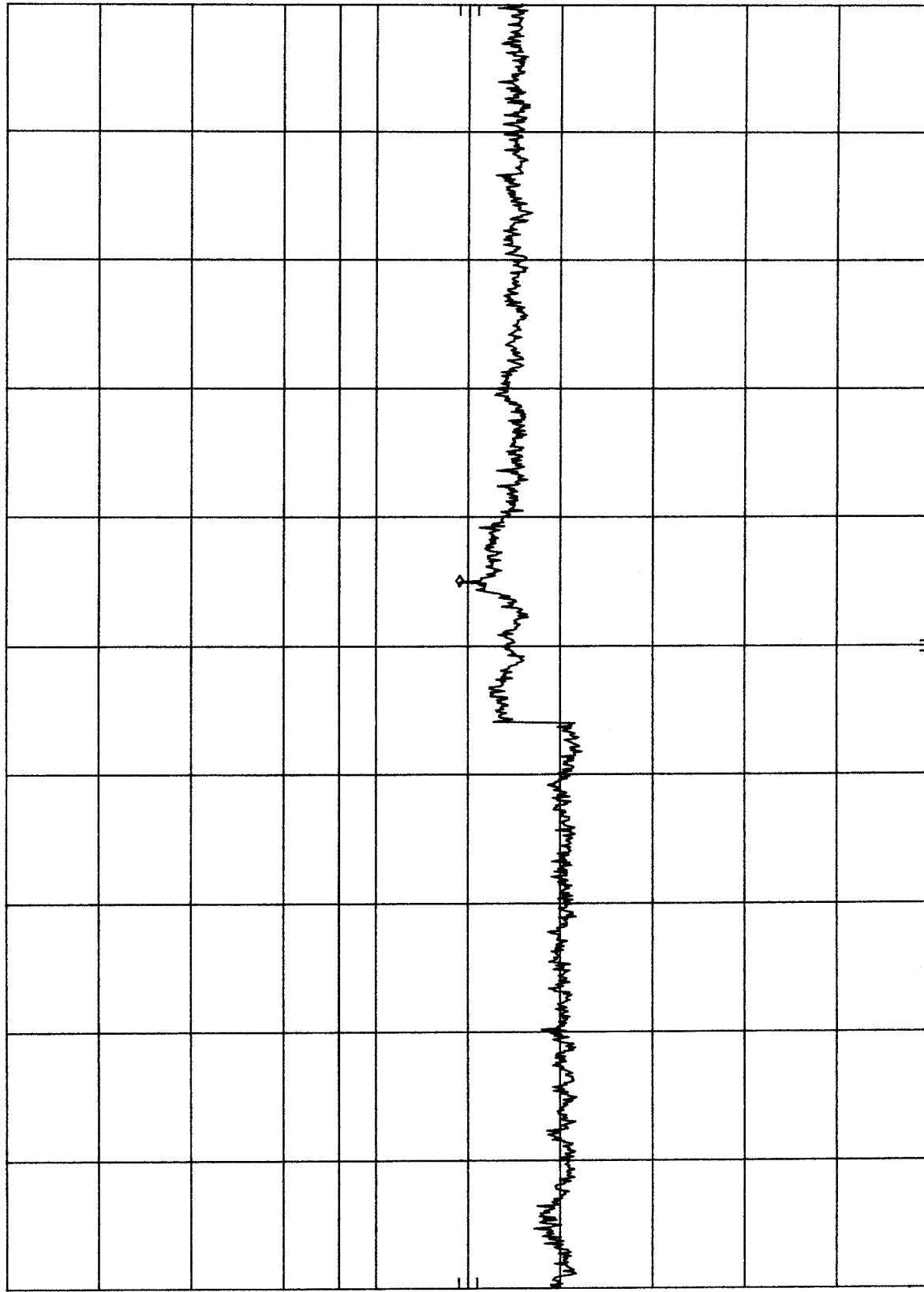
2.0

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-A3LSCH3500 Ch.Low Cond.Spurs.

MKR 19.99 GHz  
-20.20 dBm

REF 23.0 dBm ATTEN 40 dB + 20 dB

HP

10 dB/

POS PK

OFFSET

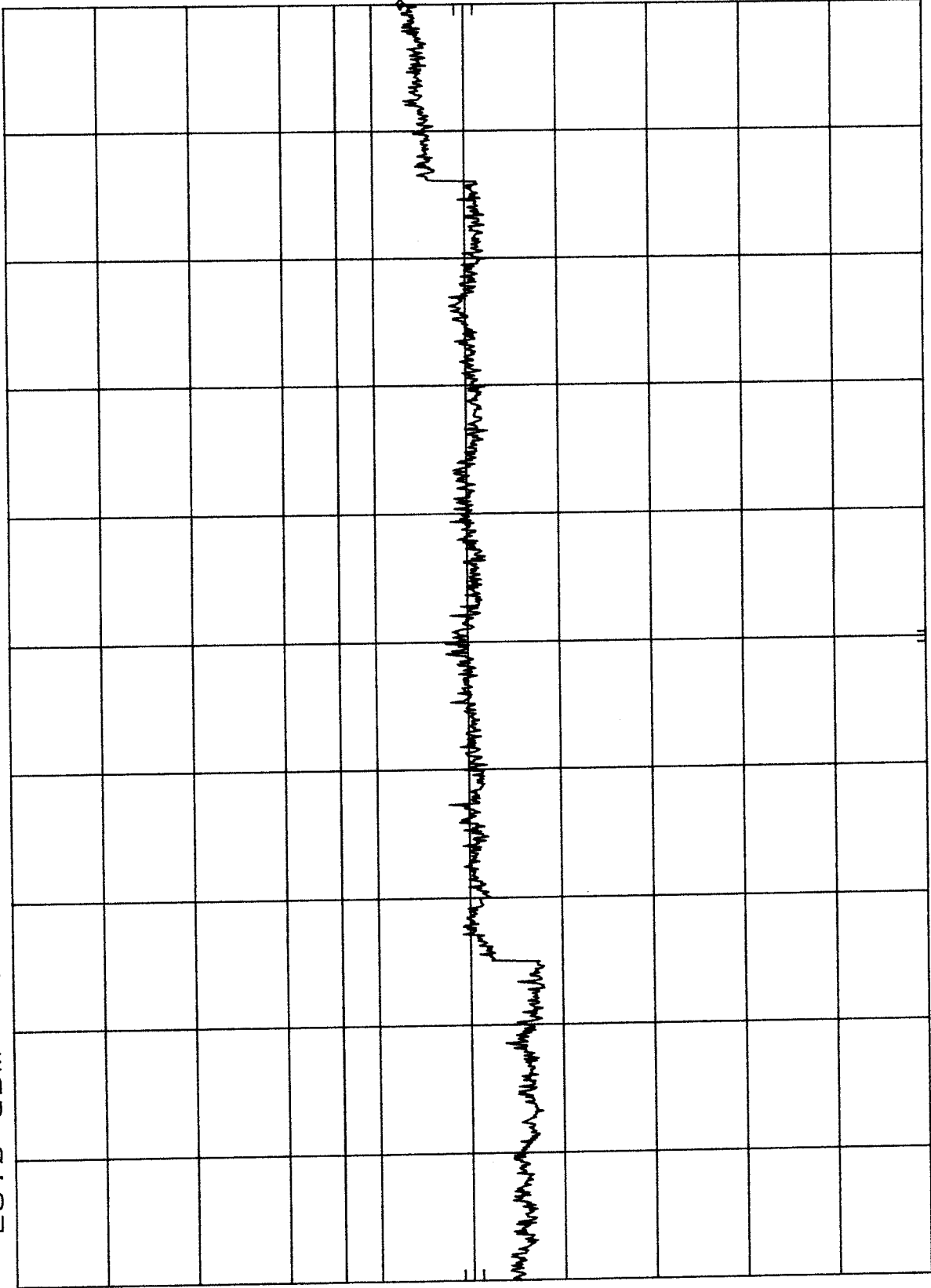
2.0

dB

DL

-13.0

dBm



START 10.0 GHz

RES BW 1 MHz (i)

VBW 1 MHz

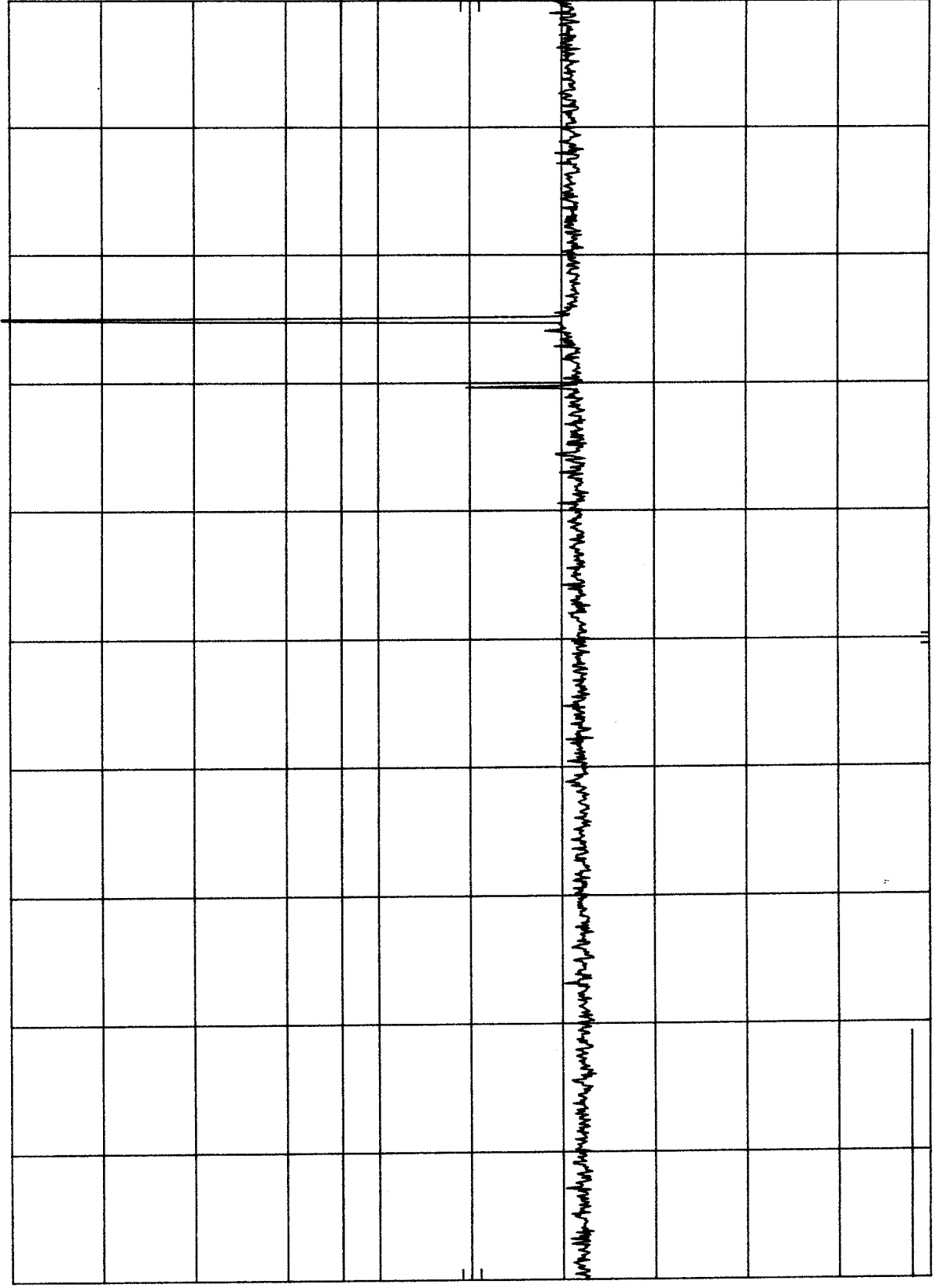
STOP 20.0 GHz

SWP 250 msec

FCC ID-A3LSCH3500 Ch. Med Cond. Spurs.  
REF 23.0 dBm ATTEN 40 dB + 20 dB

hp

10 dB/  
POS PK  
OFFSET  
2.0  
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-A3LSCH3500 Ch. Med Cond. Spurs.  
 MKR 6.850 GHz  
 REF 23.0 dBm ATTEN 40 dB + 20 dB  
 -27.80 dBm

HP

10 dB/

POS PK

OFFSET

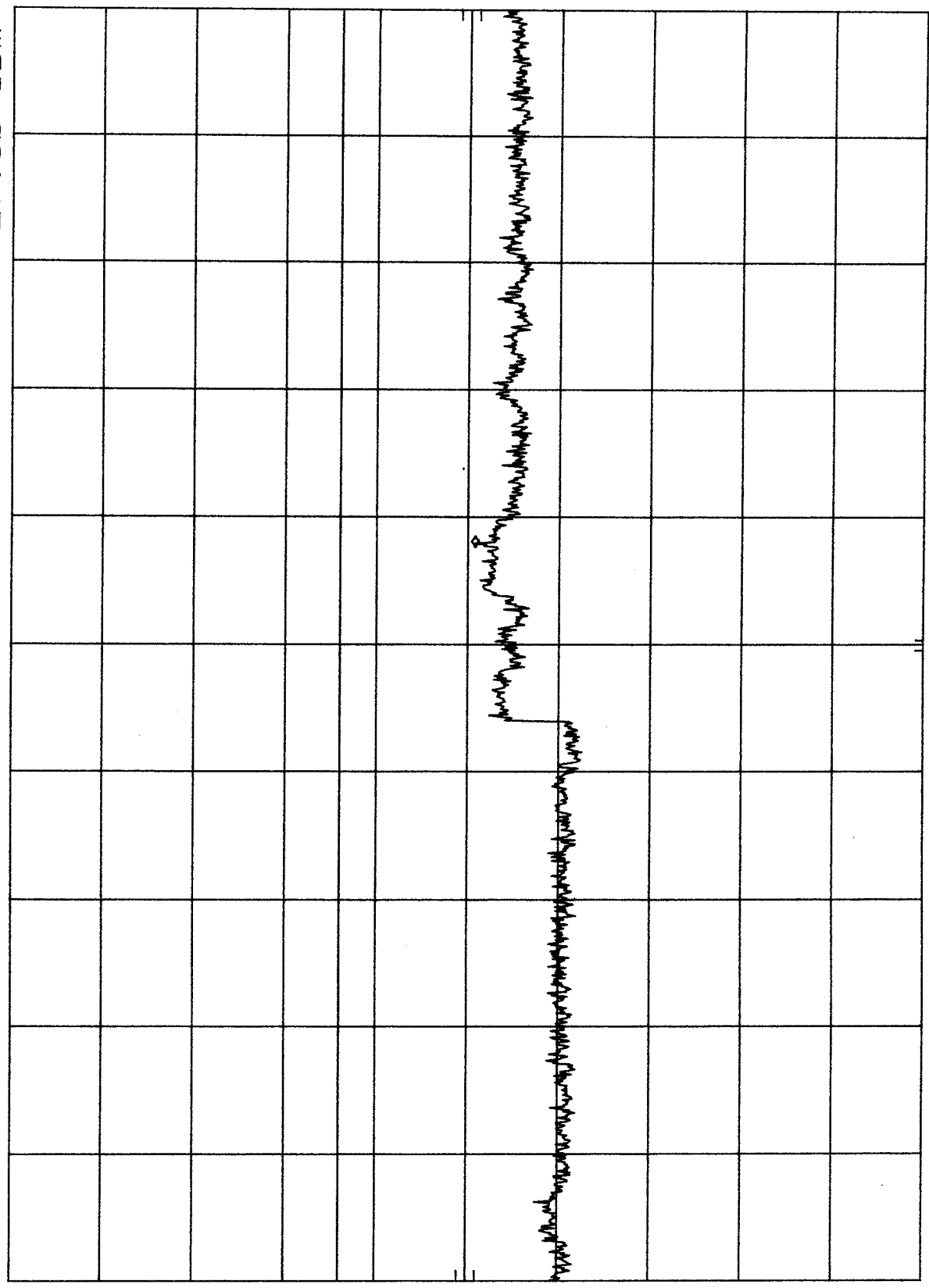
2.0

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-A3LSCH3500 Ch. Med Cond. Spurs.  
MKR 19.94 GHz  
REF 23.0 dBm ATTEN 40 dB + 20 dB -19.40 dBm

HP

10 dB/

POS PK

OFFSET

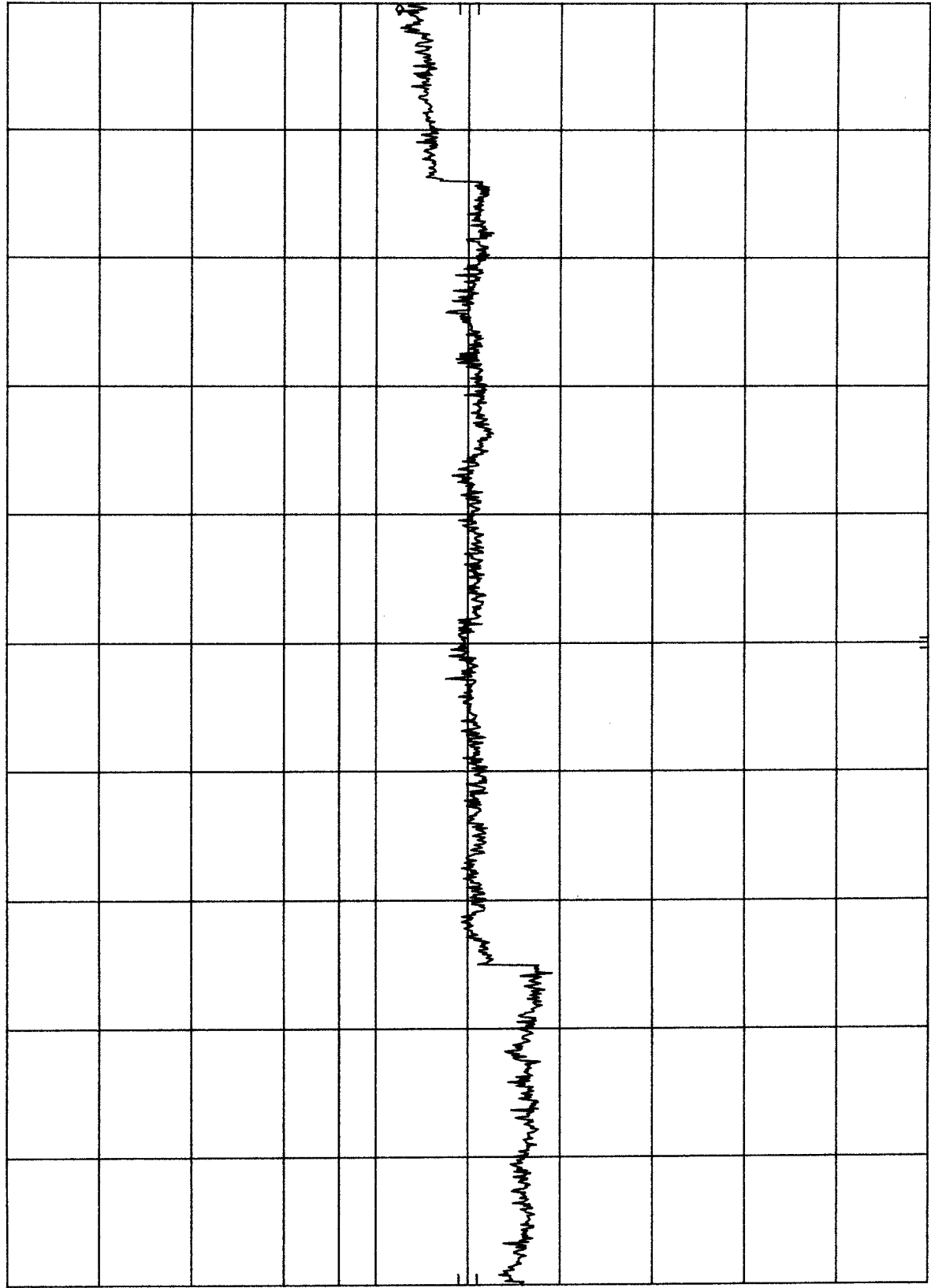
2.0

dB

DL

-13.0

dBm



START 10.0 GHz

RES BW 1 MHz (1)

VBW 1 MHz

STOP 20.0 GHz

SWP 250 msec

FCC ID-A3LSCH3500 Ch.High Cond.Spurs.

REF 23.0 dBm ATTEN 40 dB + 20 dB

hp

10 dB/

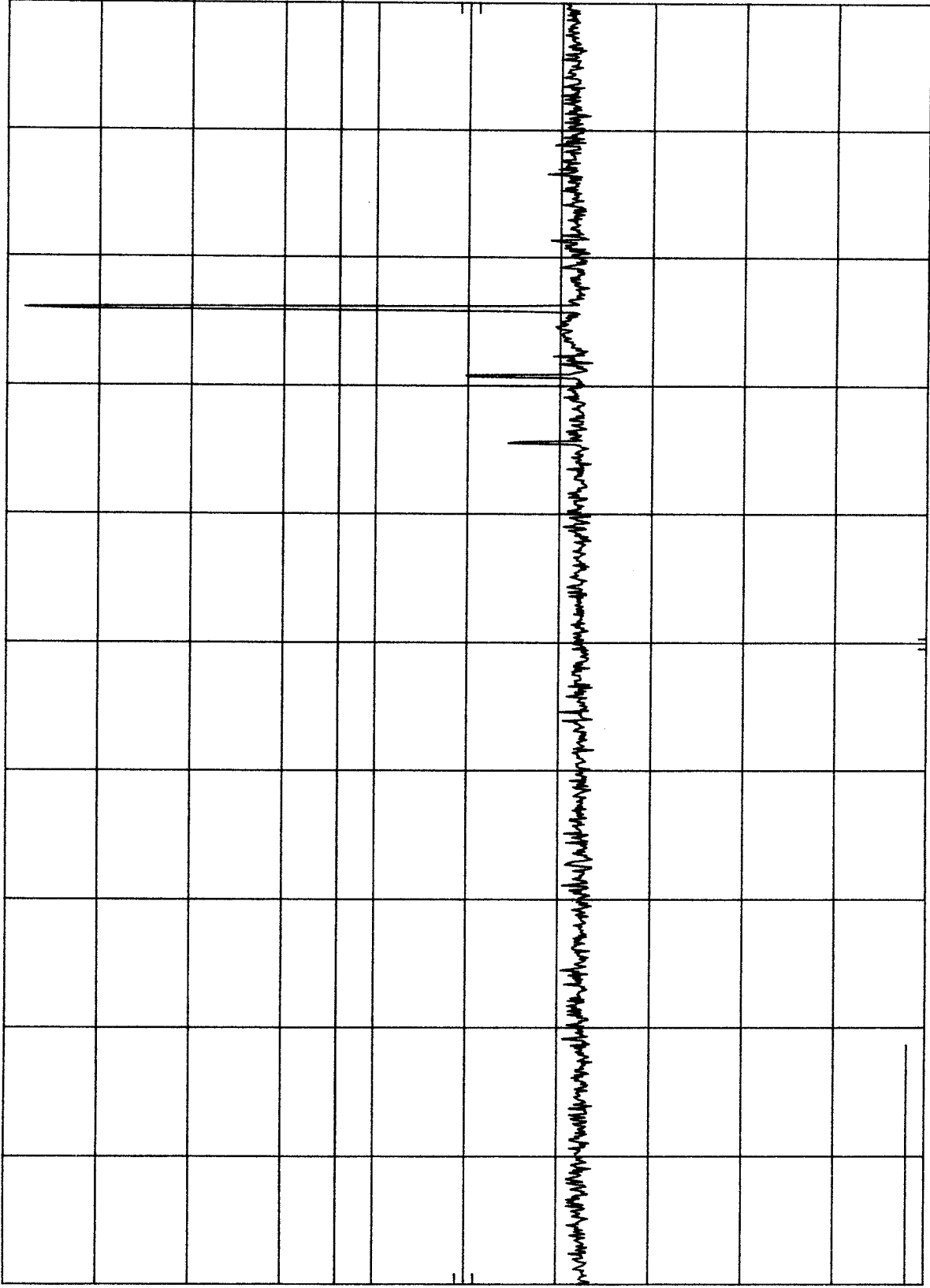
POS PK

OFFSET

2.0  
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-A3LSCH3500 Ch.High Cond.Spurs.  
MKR 6.610 GHz  
REF 23.0 dBm ATTEN 40 dB + 20 dB -27.60 dBm

HP

10 dB/

POS PK

OFFSET

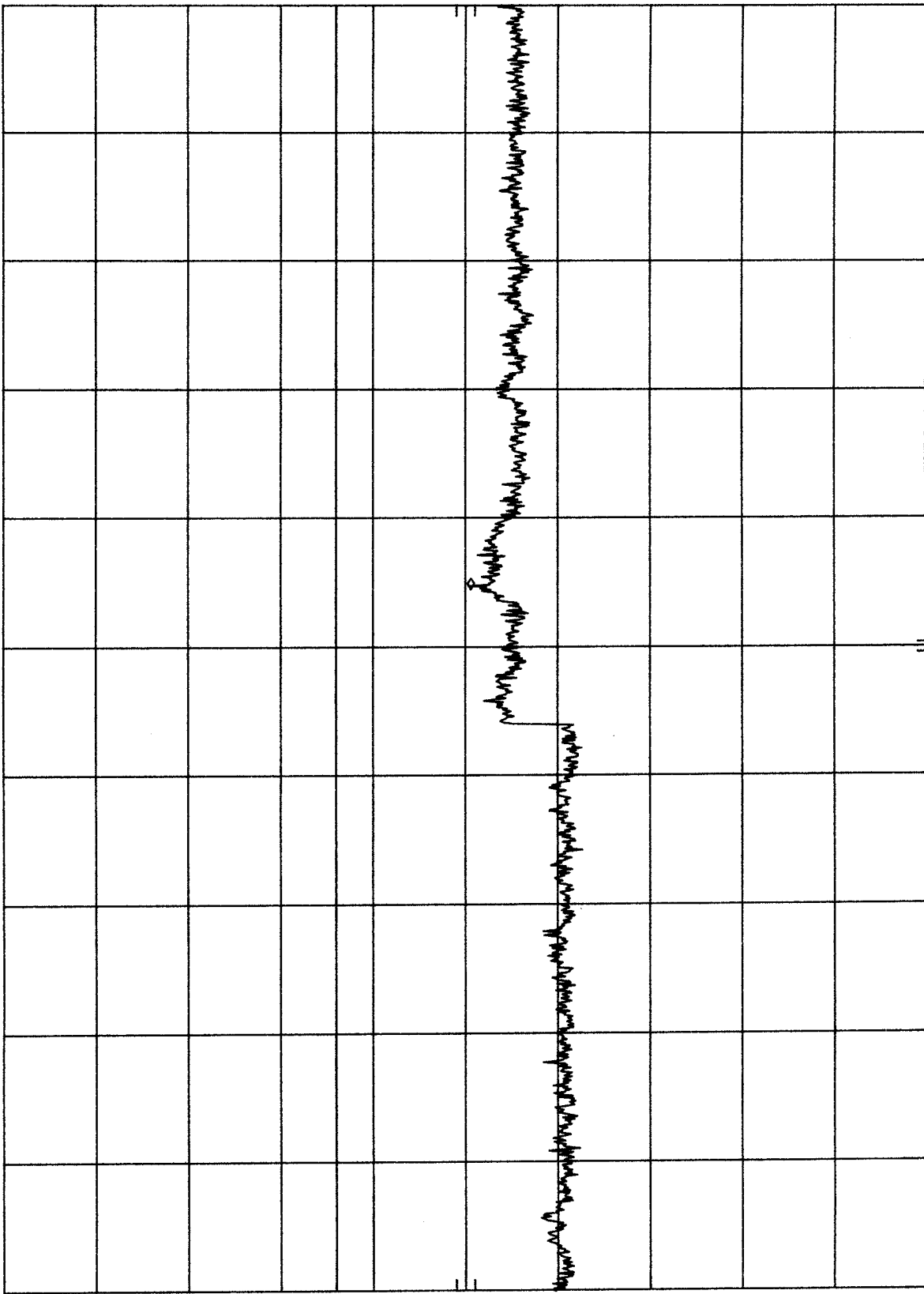
2.0

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-A3LSCH3500 Ch.High Cond.Spurs.  
MKR 19.82 GHz  
REF 23.0 dBm ATTEN 40 dB + 20 dB -19.90 dBm

HP

10 dB/

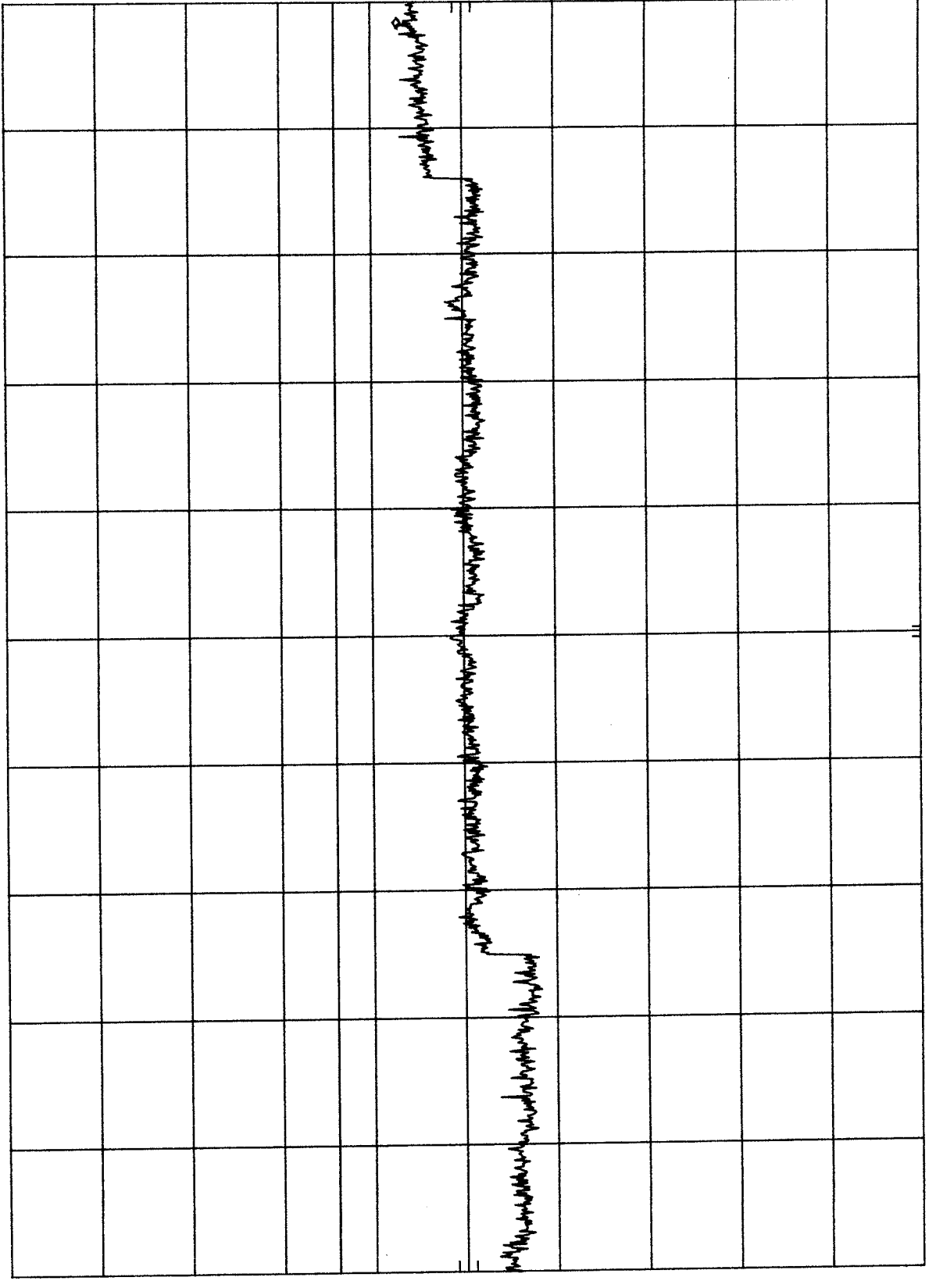
POS PK

OFFSET

2.0  
dB

DL

-13.0  
dBm



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

FCC ID-A3LSCH3500 Ch.Low Cond.Spurs.

REF 28.0 dBm ATTEN 40 dB + 20 dB

HP

10 dB/

POS PK

OFFSET

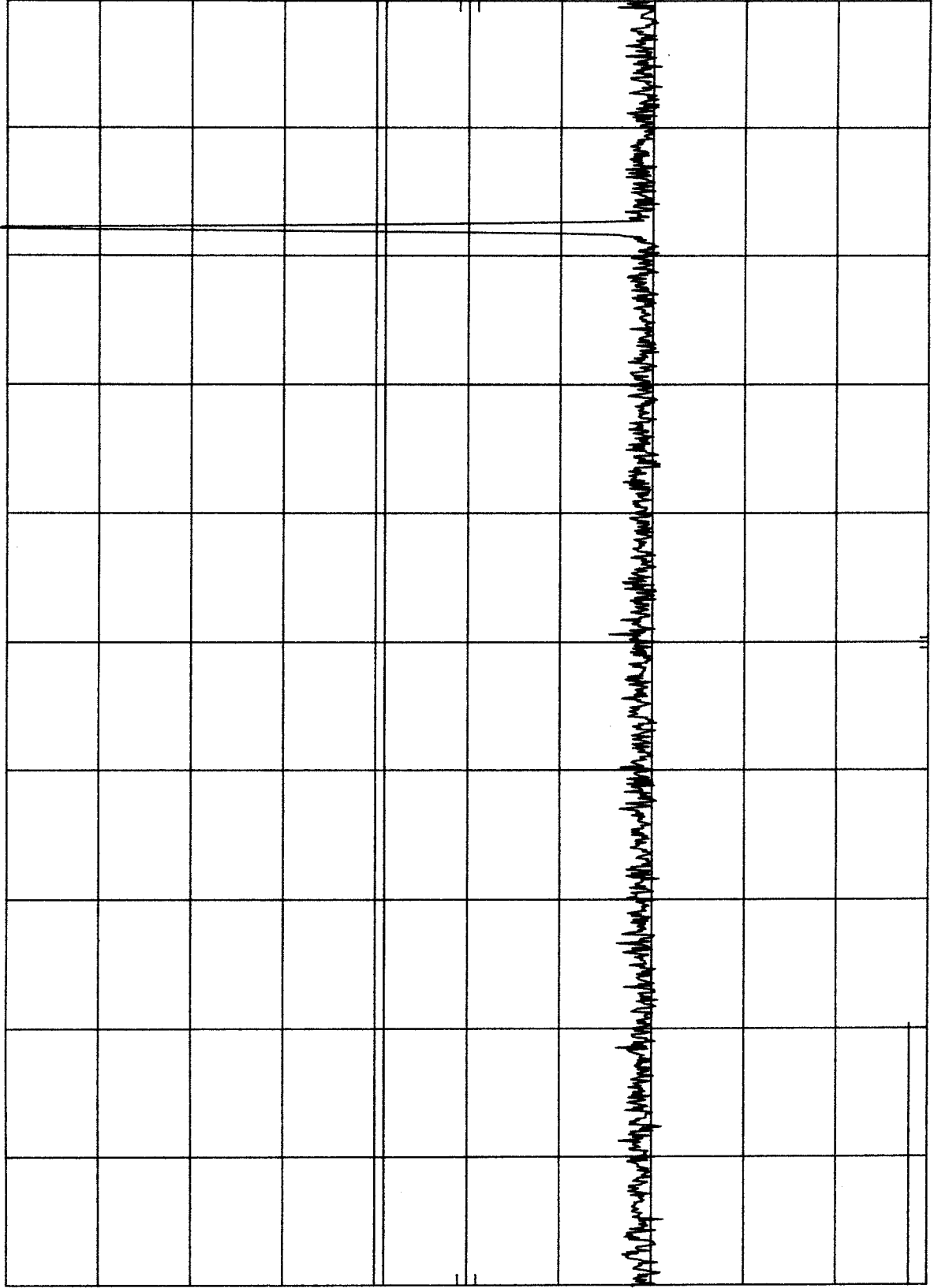
2.0

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 1.000 GHz

SWP 24.8 msec

FCC ID-A3LSCH3500 Ch.Low Cond.Spurs. MKR 1.651 GHz  
 REF 28.0 dBm ATTEN 40 dB + 20 dB -22.70 dBm

HP

10 dB/

POS PK

OFFSET

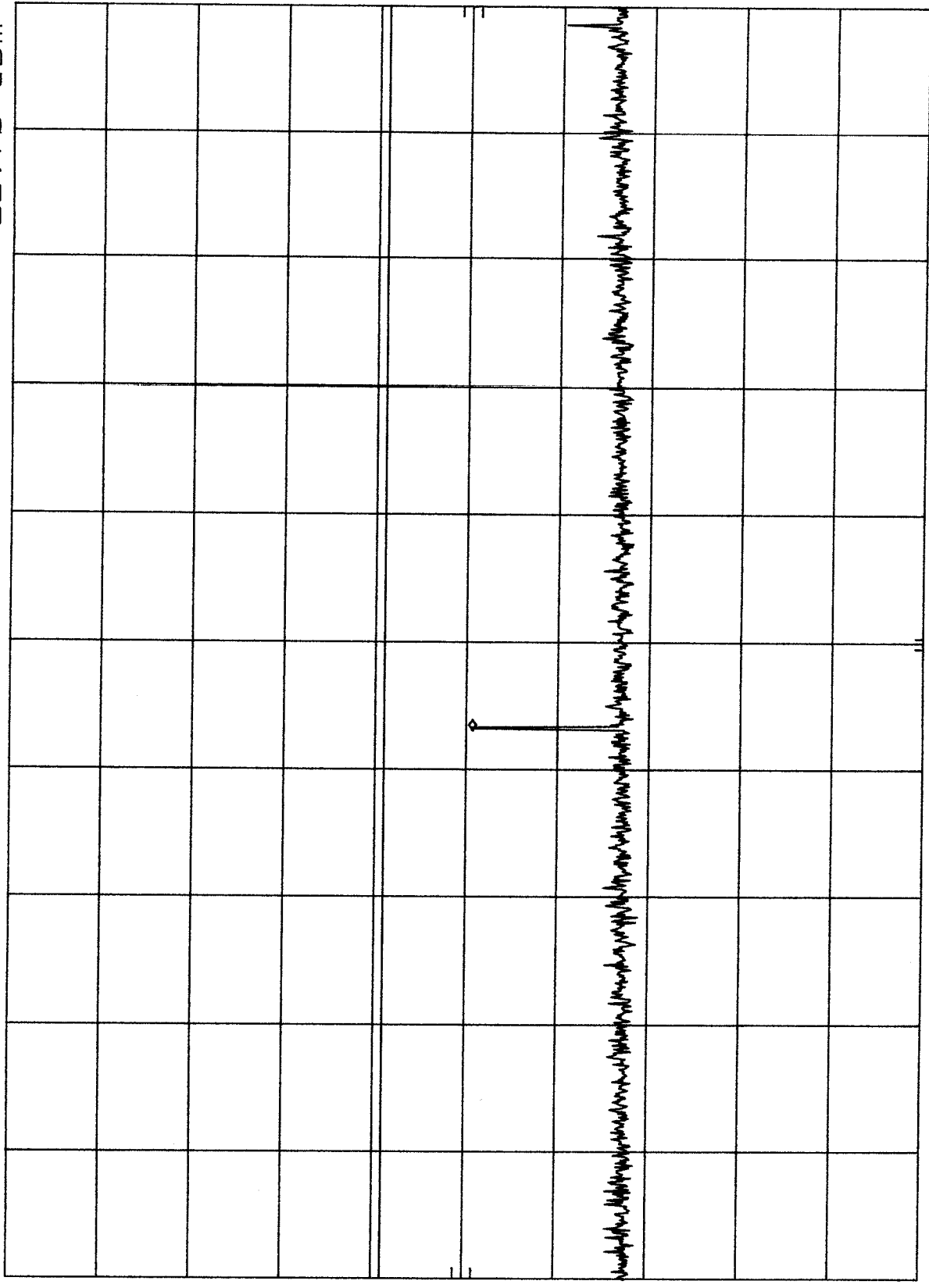
2.0

dB

DL

-13.0

dBm



START 1.00 GHz RES BW 1 MHz (1) VBW 1 MHz STOP 2.50 GHz  
 SWP 37.5 msec

FCC ID-A3LSCH3500 Ch.Low Cond.Spurs.  
MKR 6.625 GHz  
REF 28.0 dBm ATTEN 40 dB + 20 dB  
-27.30 dBm

HP

10 dB/

POS PK

OFFSET

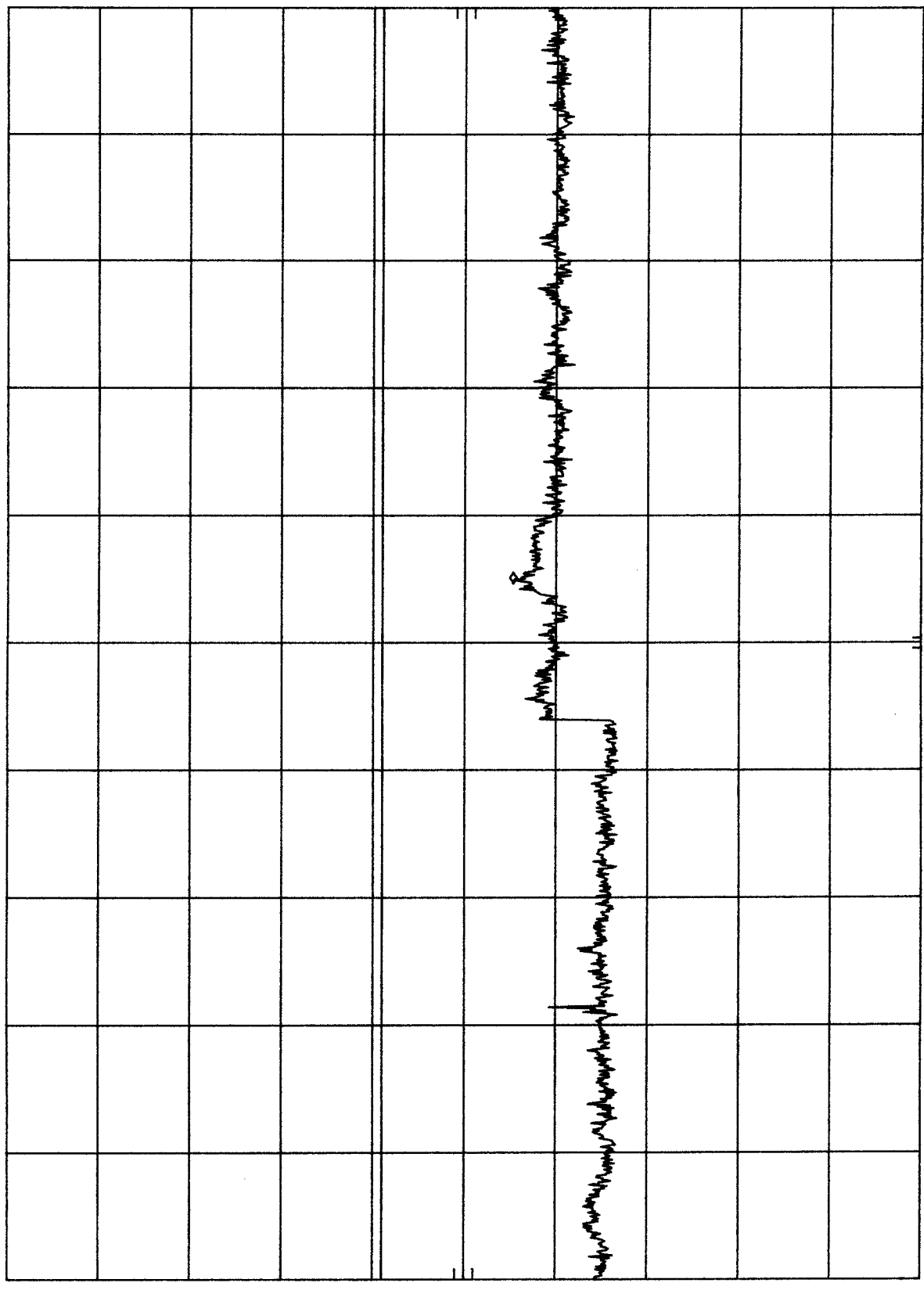
2.0

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-A3LSCH3500 Ch.Low Cond.Spurs.

MKR 19.84 GHz  
-20.00 dBm

hp

REF 28.0 dBm ATTN 40 dB + 20 dB

10 dB/

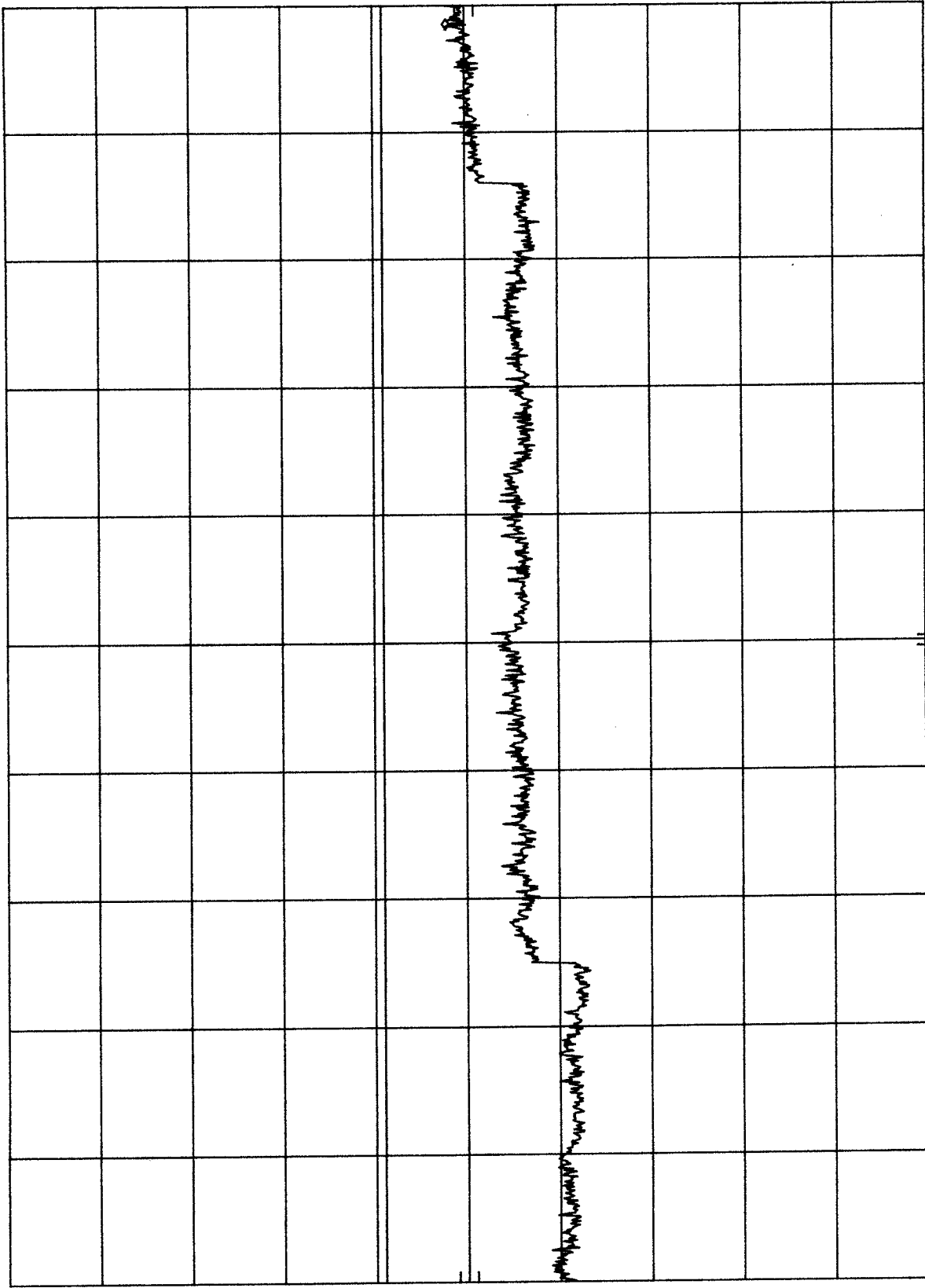
POS PK

OFFSET

2.0  
dB

DL

-13.0  
dBm



START 10.0 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz

SWP 250 msec

FCC ID-A3LSCH3500 Ch. Med Cond. Spurs.

REF 28.0 dBm ATTEN 40 dB + 20 dB

HP

10 dB/

POS PK

OFFSET

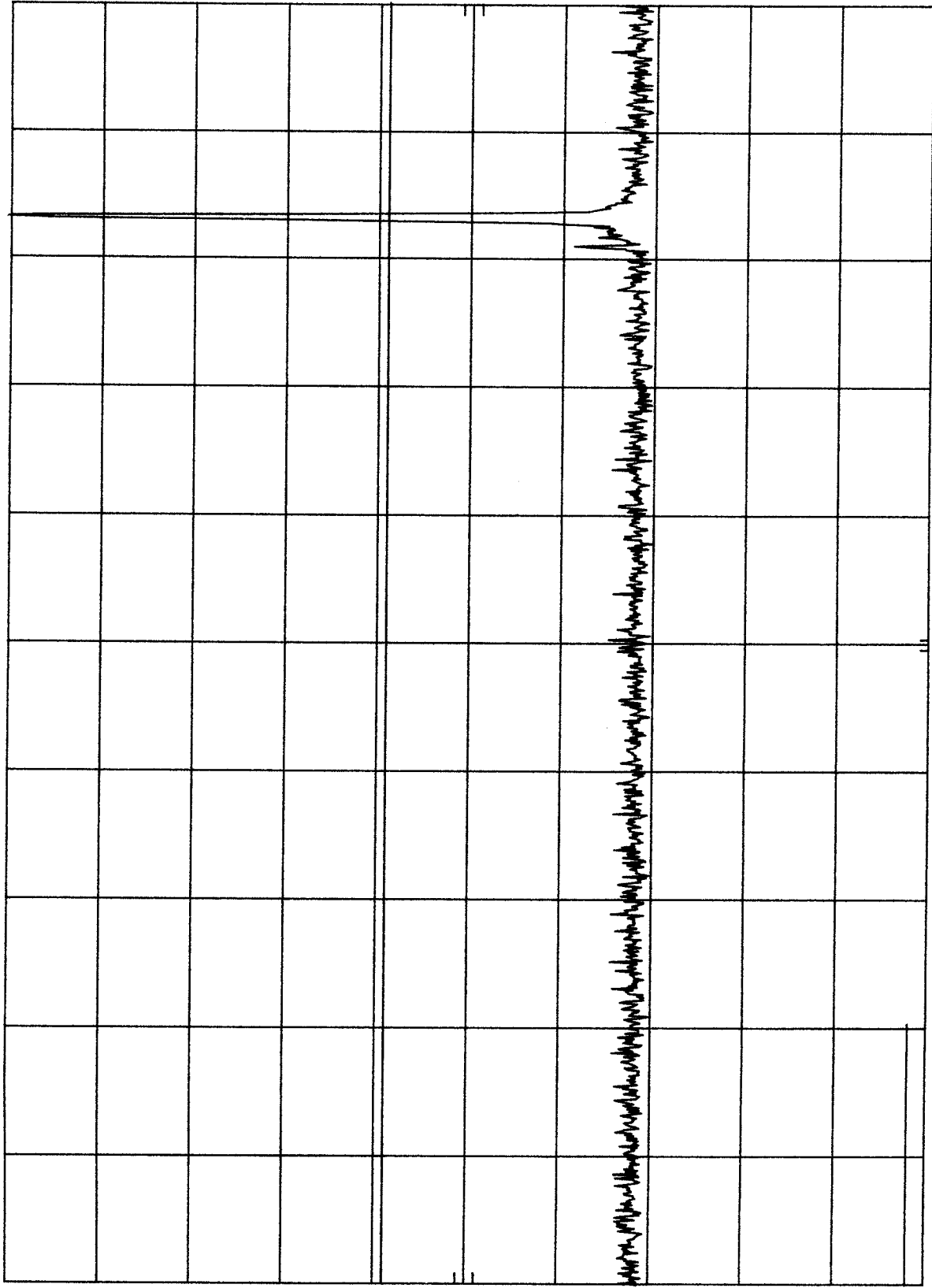
2.0

dB

DL

-13.0

dBm



START 10 MHz RES BW 1 MHz (i) VBW 1 MHz STOP 1.000 GHz SWP 24.8 msec

FCC ID-A3LSCH3500 Ch.Med Cond.Spurs.  
MKR 1.672 GHz  
REF 28.0 dBm ATTEN 40 dB + 20 dB -21.60 dBm

HP

10 dB/

POS PK

OFFSET

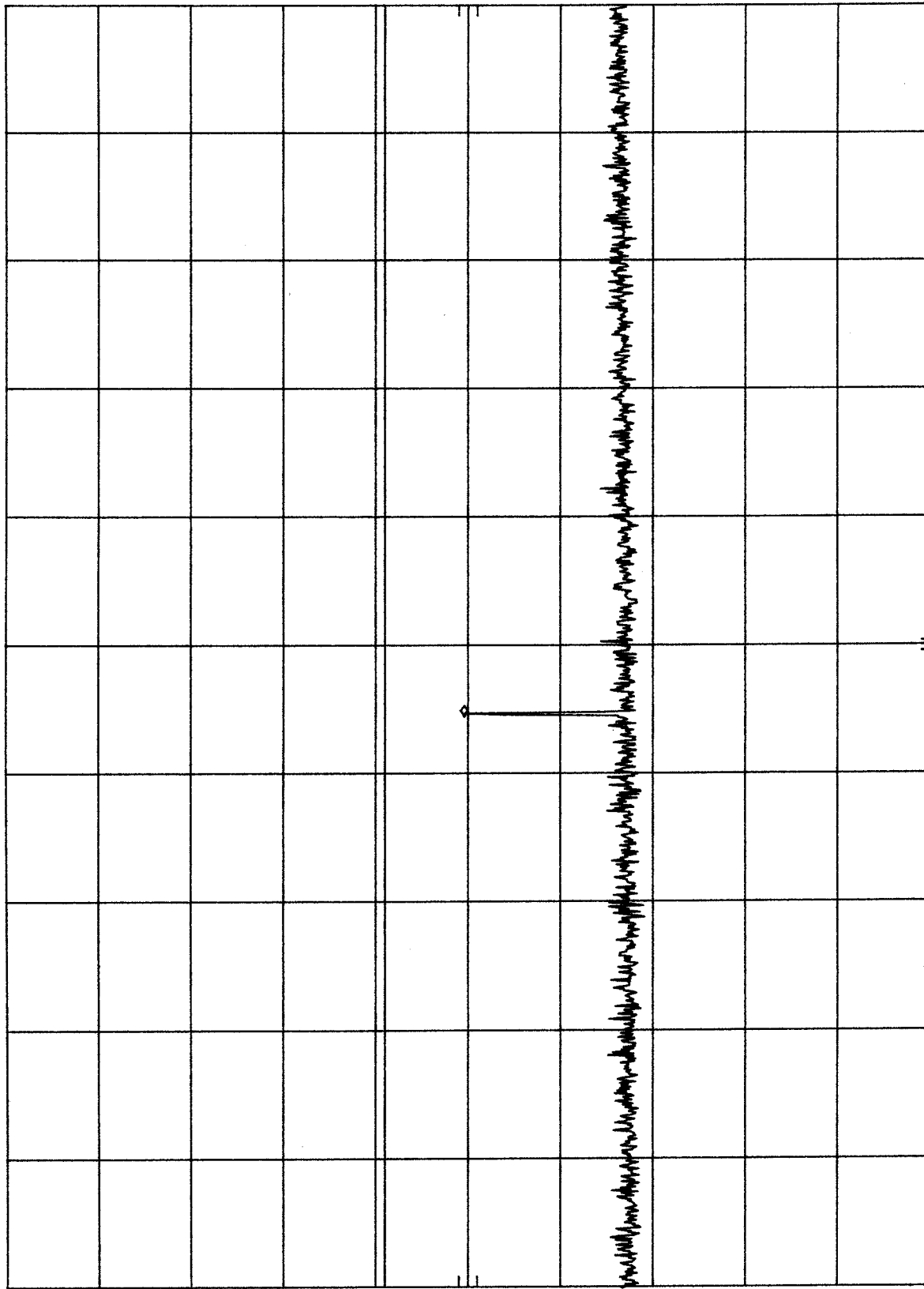
2.0

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

FCC ID-A3LSCH3500 Ch. Med Cond. Spurs.  
MKR 6.618 GHz  
REF 28.0 dBm ATTEN 40 dB + 20 dB  
-28.10 dBm

hp

10 dB/

POS PK

OFFSET

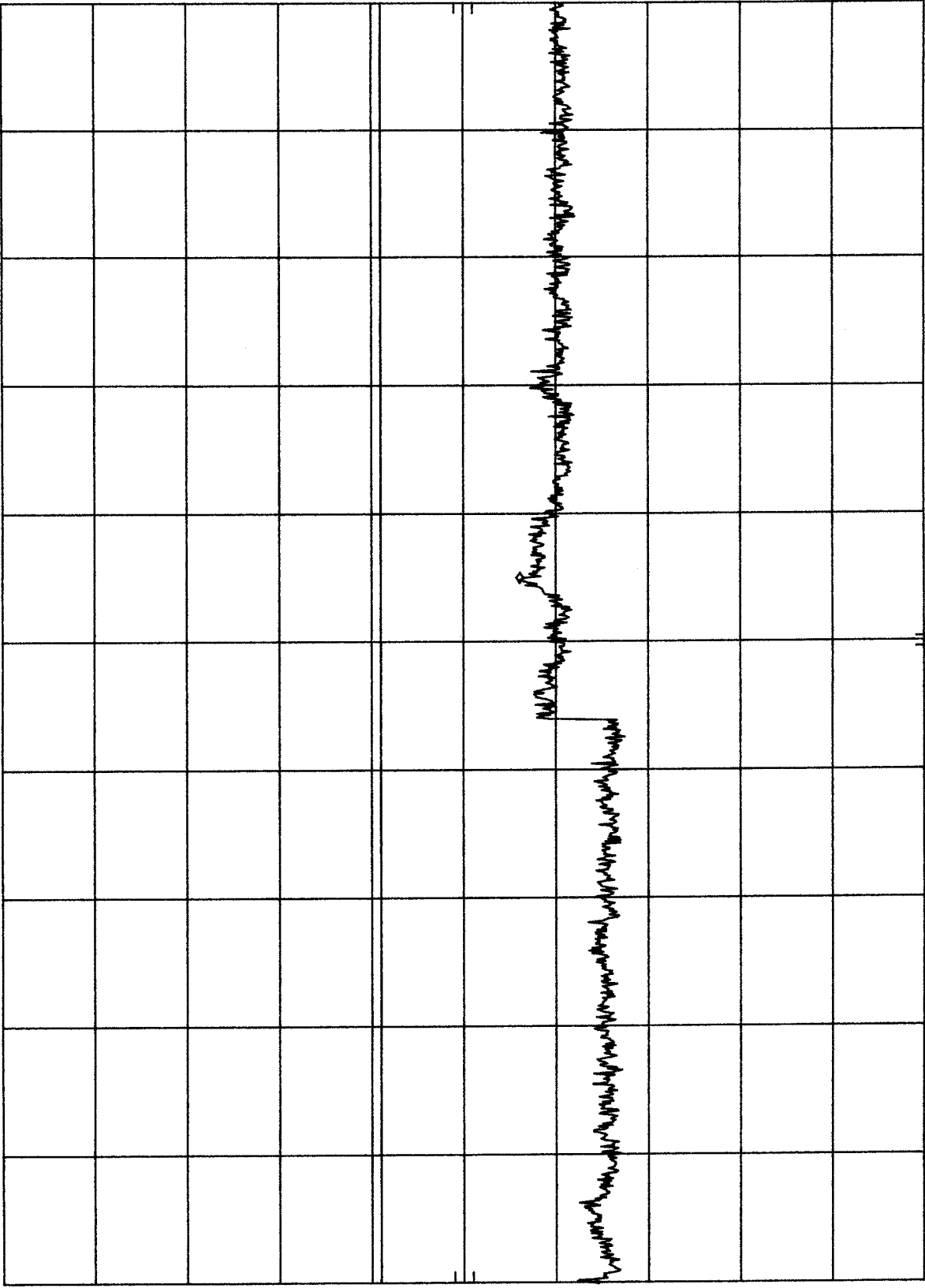
2.0

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-A3LSCH3500 Ch.Med Cond.Spurs.  
REF 28.0 dBm ATTEN 40 dB + 20 dB MKR 19.91 GHz  
-19.80 dBm

HP

10 dB/

POS PK

OFFSET

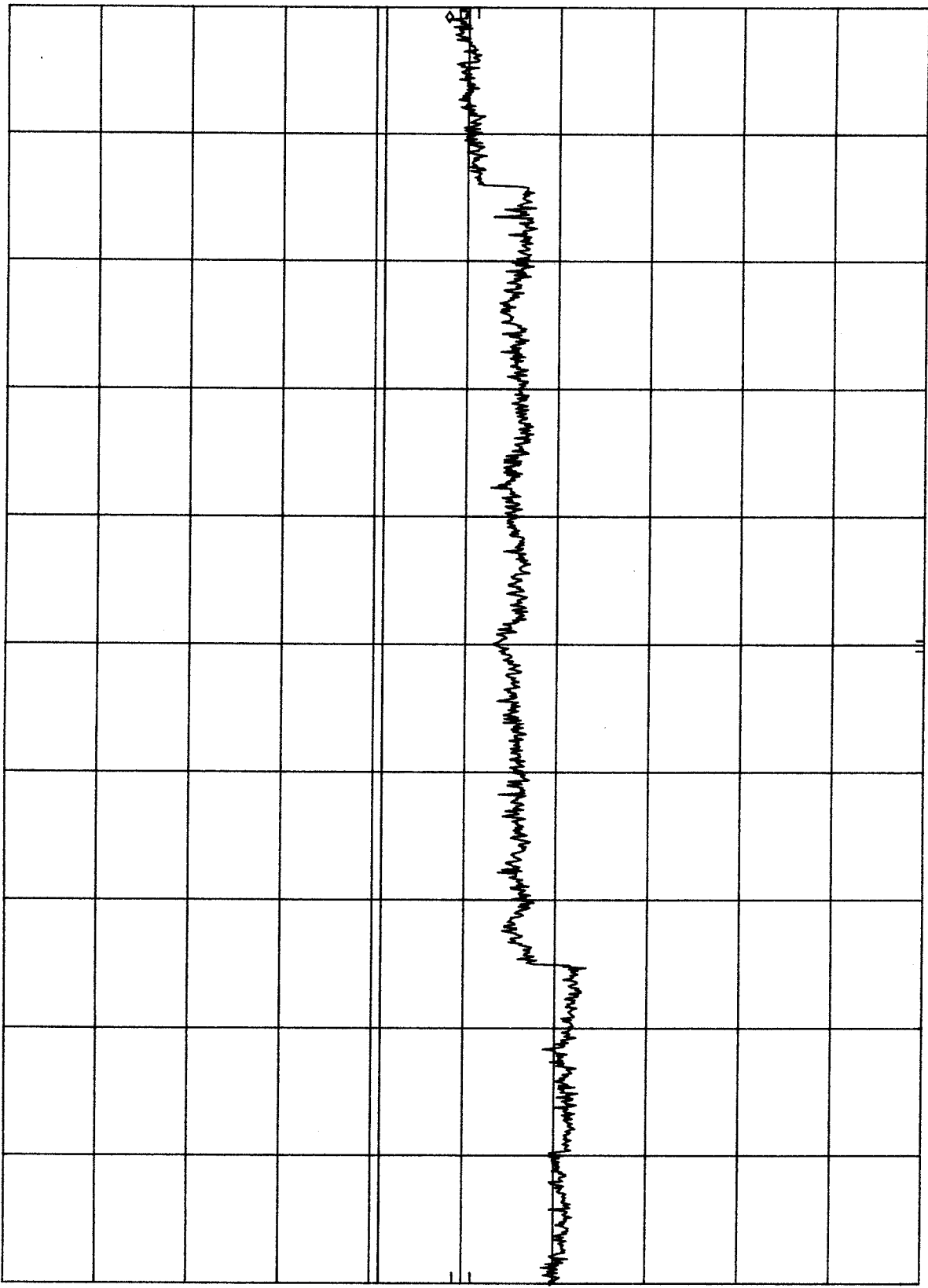
2.0

dB

DL

-13.0

dBm



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

FCC ID-A3LSCH3500 Ch.High Cond.Spurs.  
REF 28.0 dBm ATTEN 40 dB + 20 dB

HP

10 dB/

POS PK

OFFSET

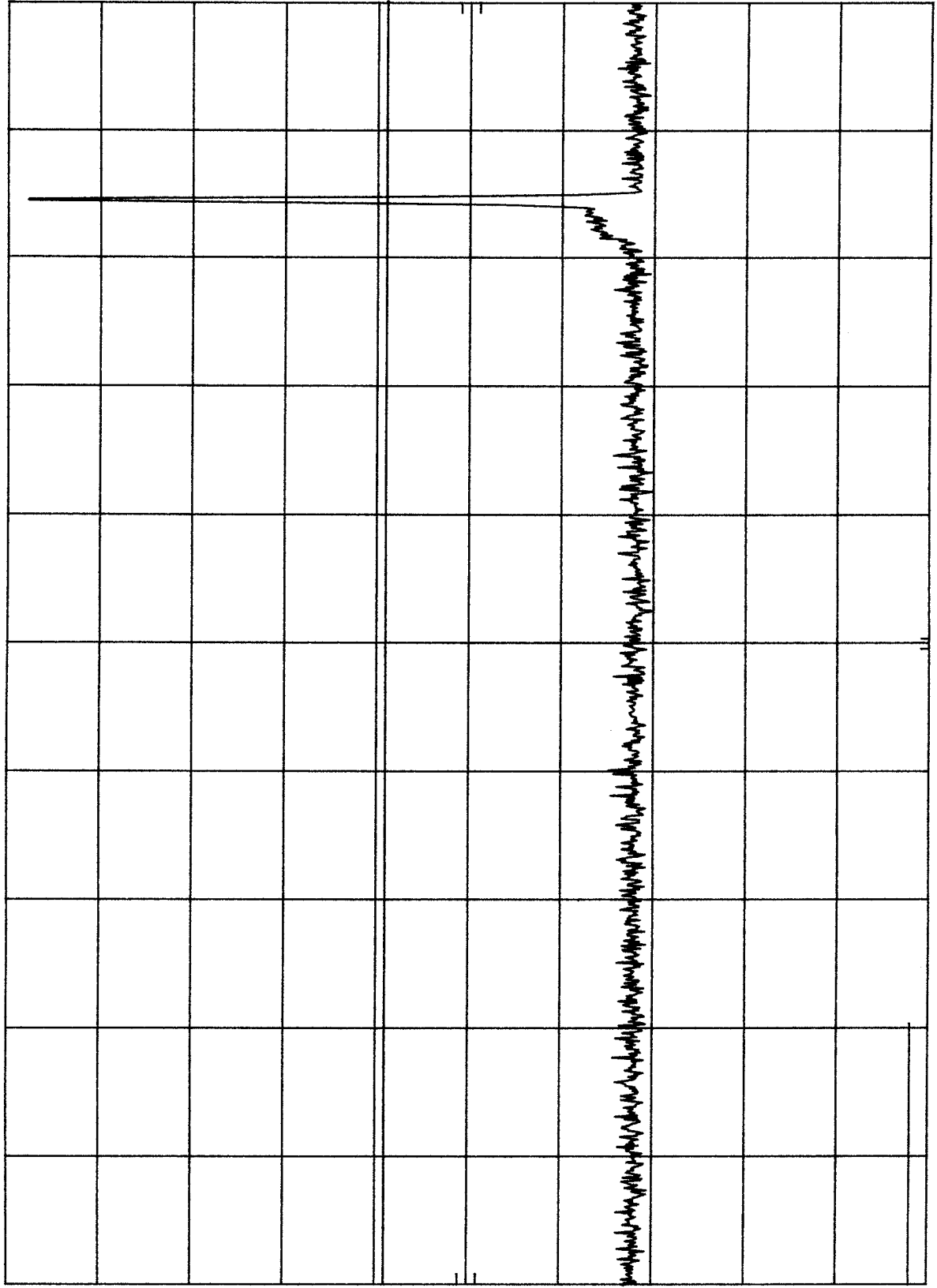
2.0

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 1.000 GHz

SWP 24.8 msec

FCC ID-A3LSCH3500 Ch.High Cond.Spurs. MKR 1.698 GHz  
 REF 28.0 dBm ATTEN 40 dB + 20 dB -33.40 dBm

hp

10 dB/

POS PK

OFFSET

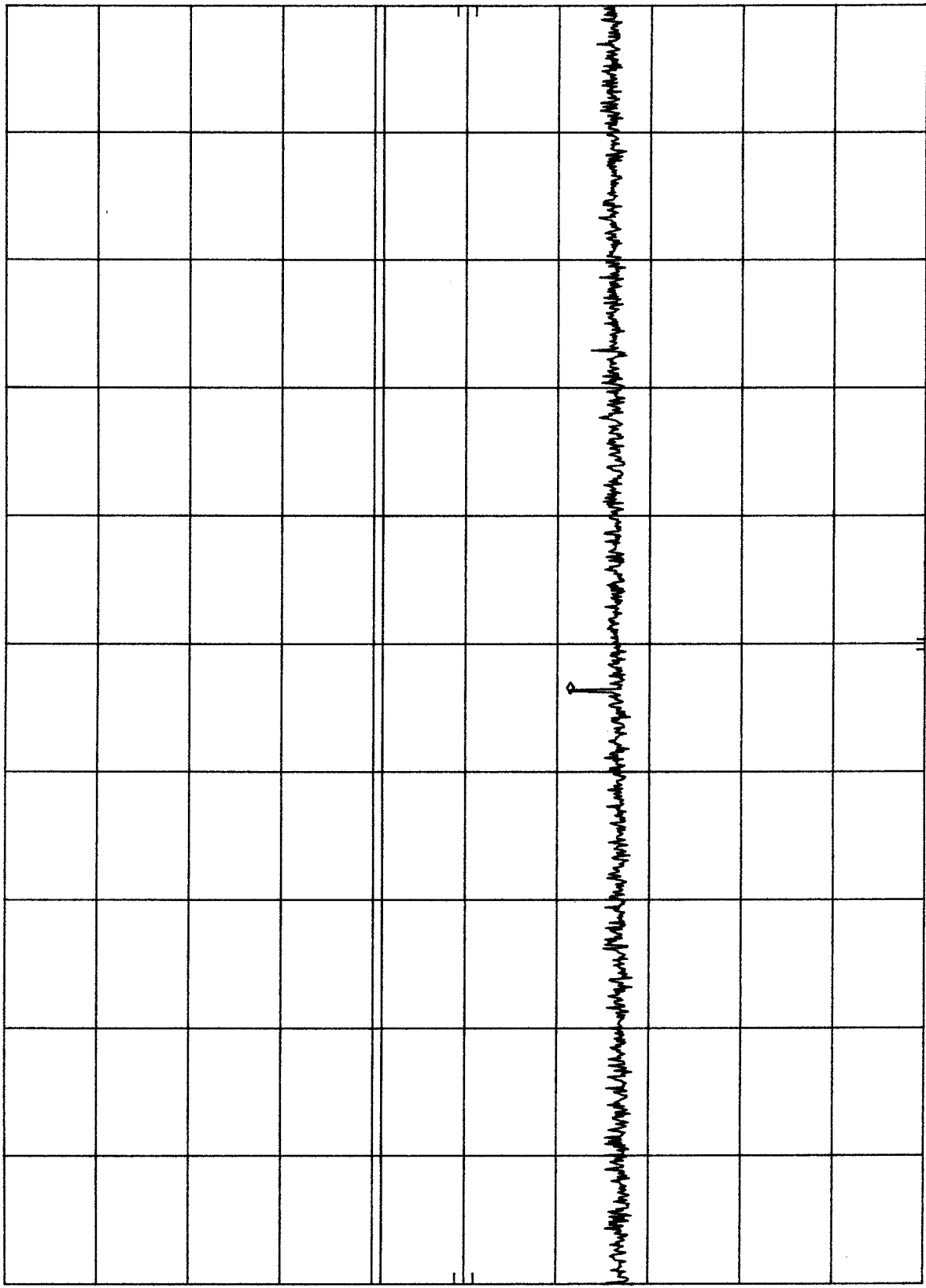
2.0

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

FCC ID-A3LSCH3500 Ch.High Cond.Spurs.  
MKR 6.633 GHz  
REF 28.0 dBm ATTEN 40 dB + 20 dB  
-27.00 dBm

HP

10 dB/

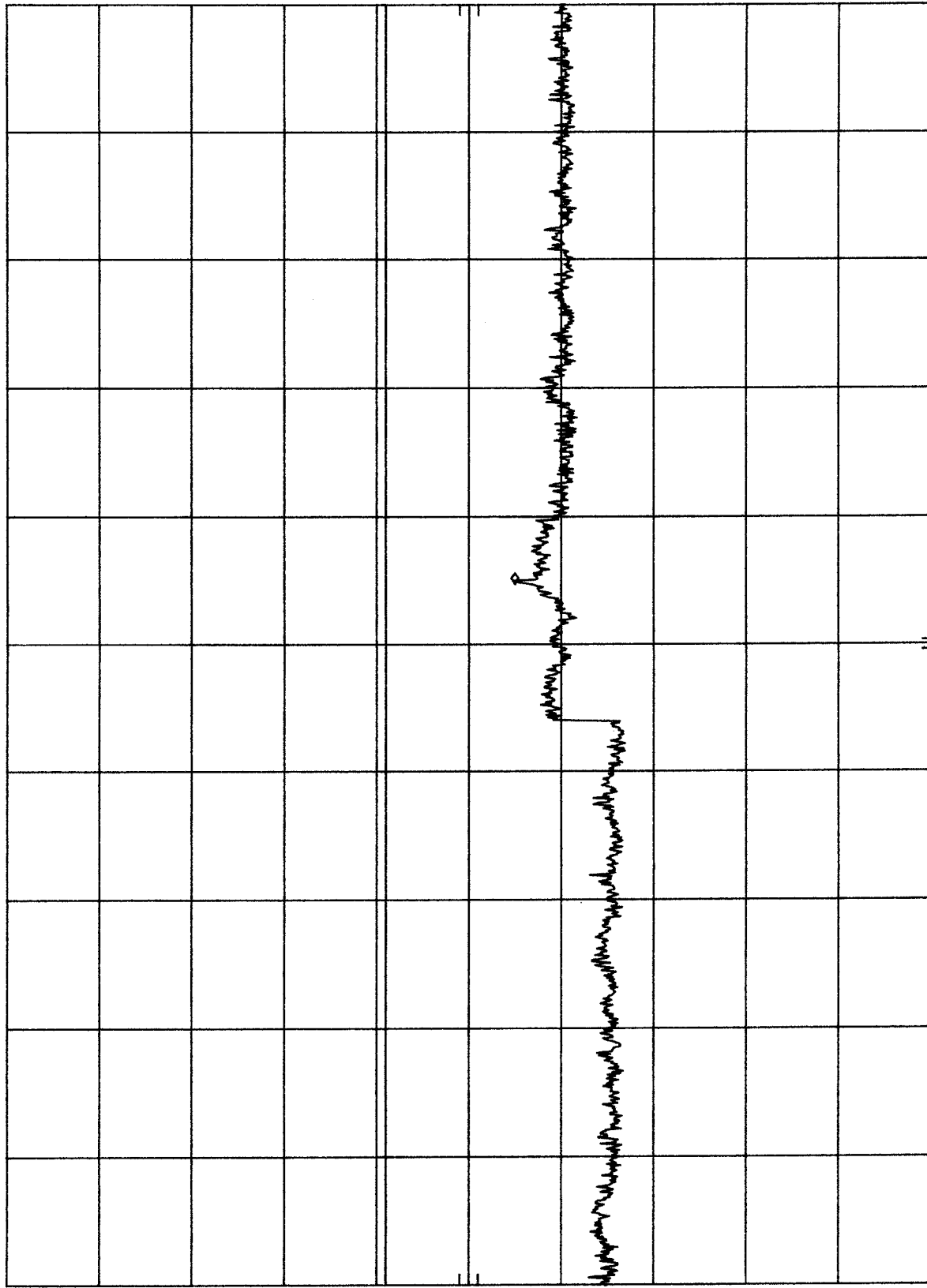
POS PK

OFFSET

2.0  
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-A3LSCH3500 Ch.High Cond.Spurs.  
MKR 19.52 GHz  
REF 28.0 dBm ATTEN 40 dB + 20 dB -19.40 dBm

HP

10 dB/

POS PK

OFFSET

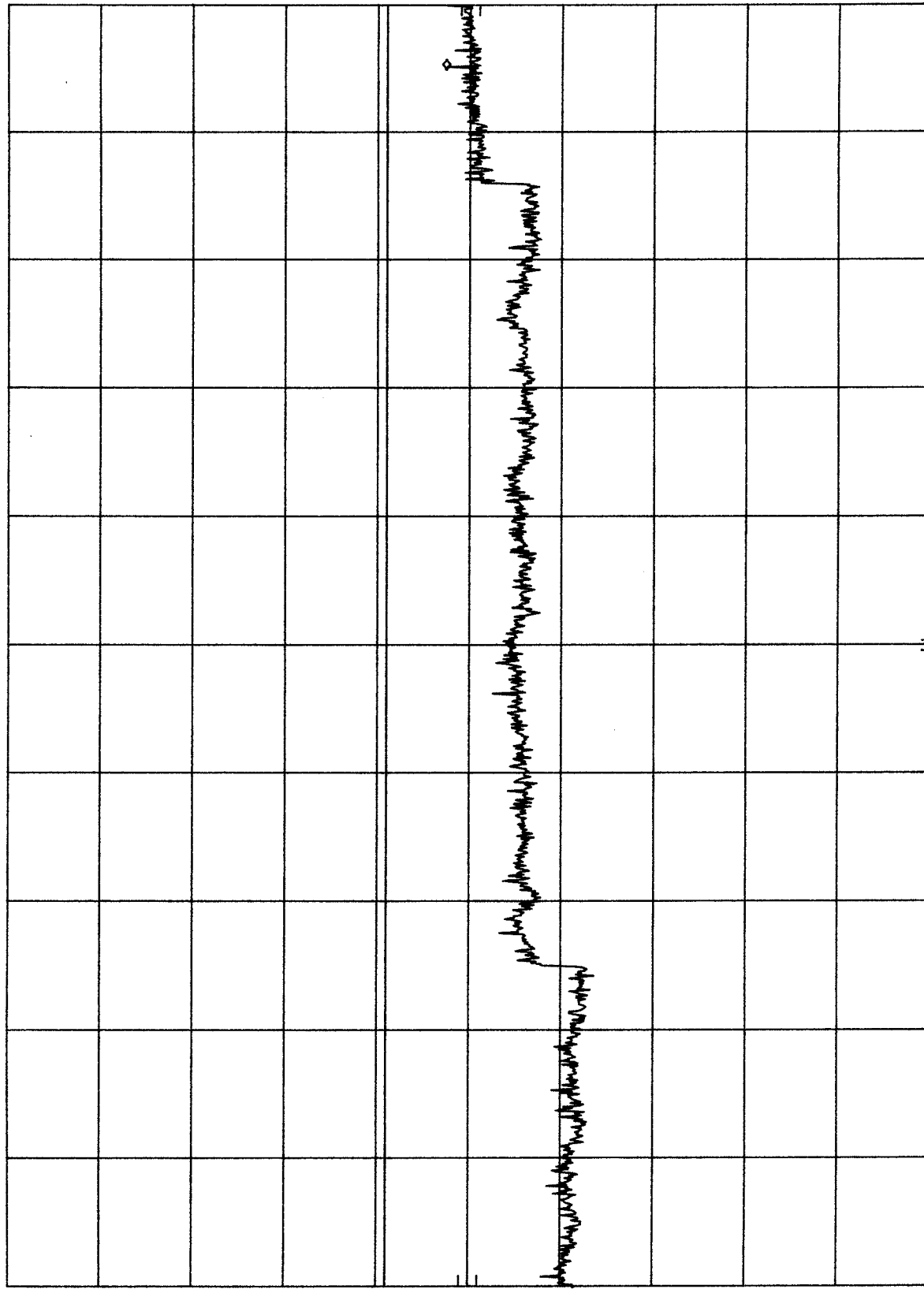
2.0

dB

DL

-13.0

dBm



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