

ATTACHMENT D – TEST PLOTS

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHT300

SAMSUNG

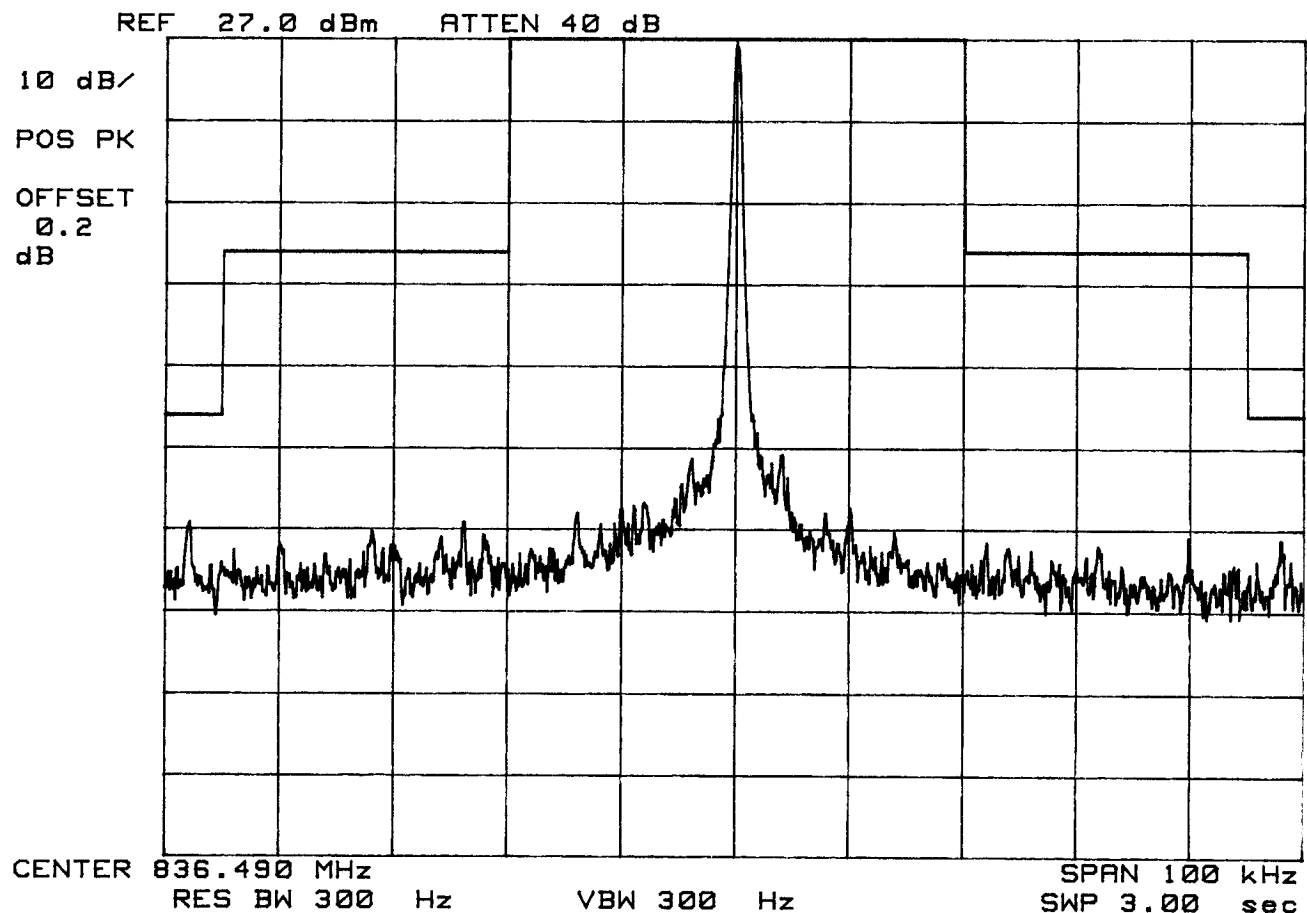
TRI-MODE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHT300

SAMSUNG

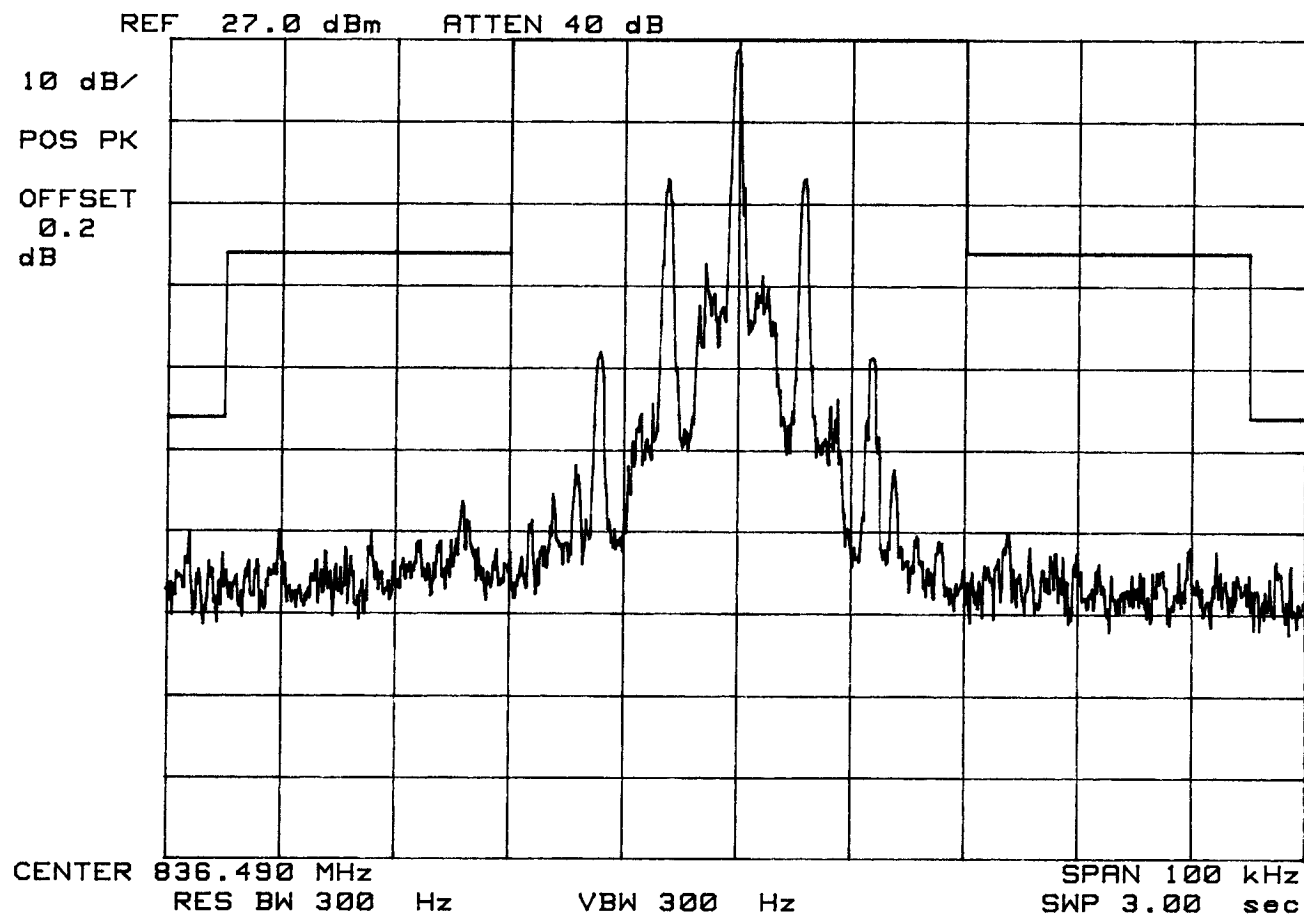
TRI-MODE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHT300

SAMSUNG

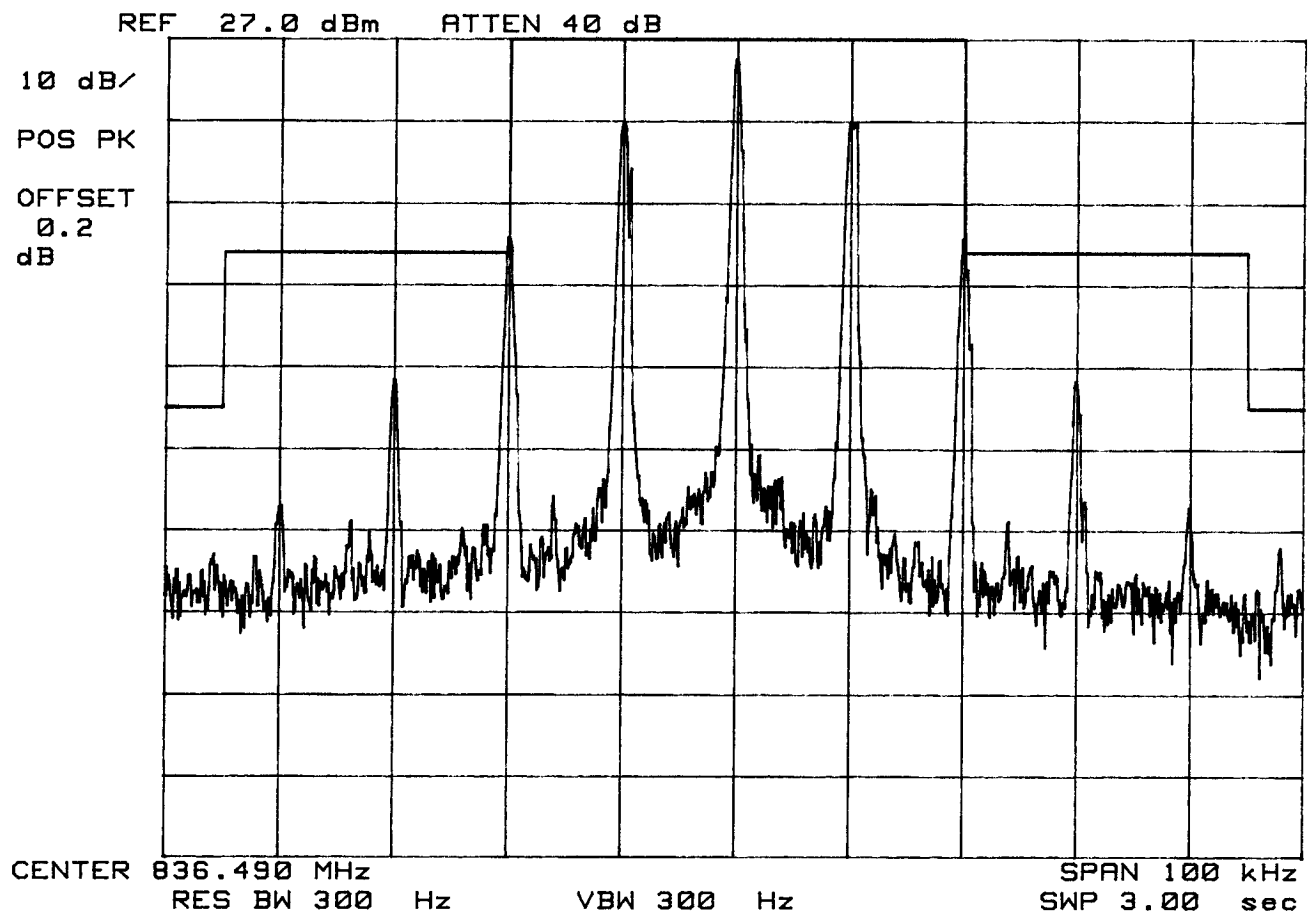
TRI-MODE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCHT300

SAMSUNG

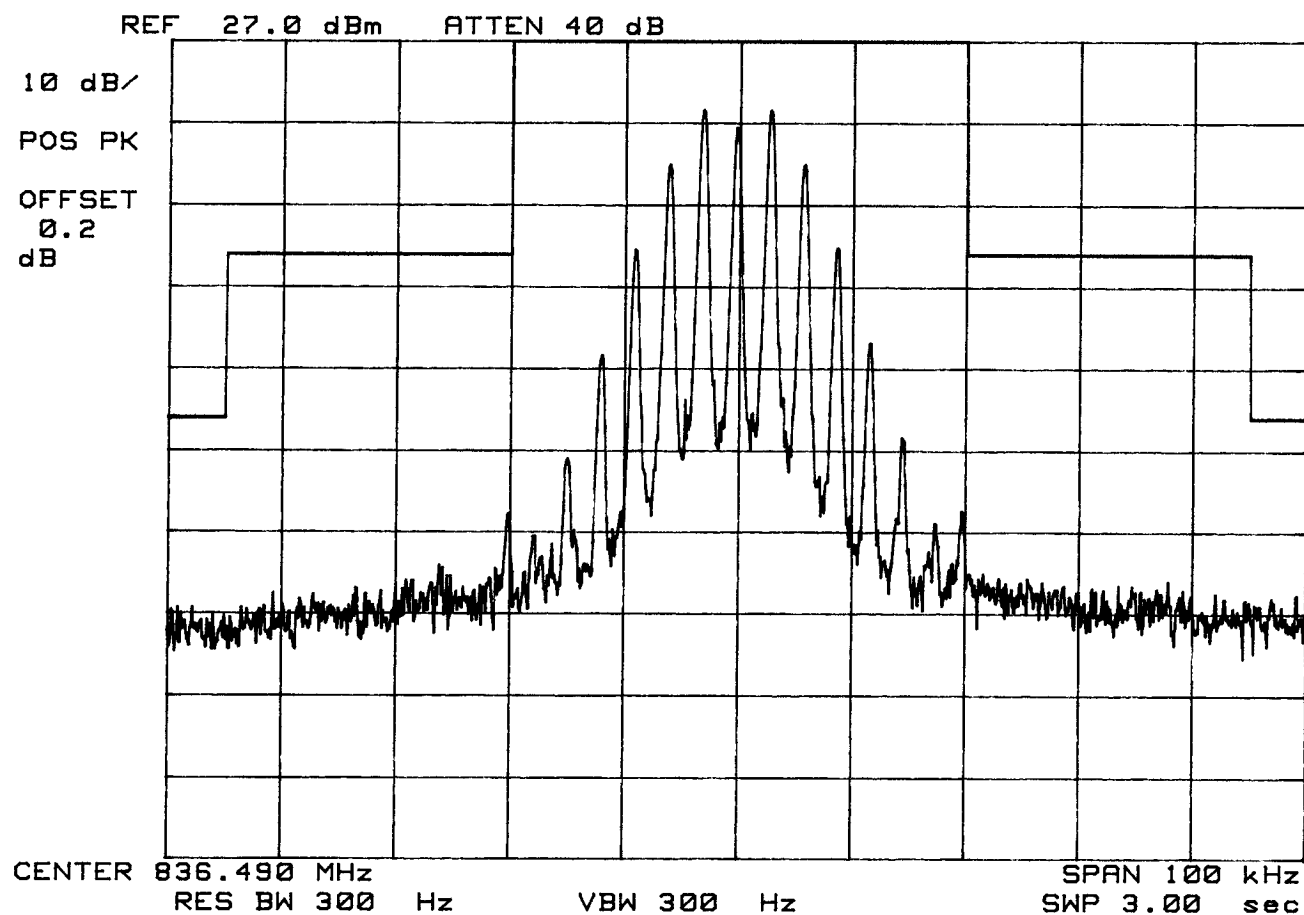
TRI-MODE

FM Channel 0383

Operating Frequency: 836.490 MHz

Output Power : 27.0 dBm

Test Mode:Voice



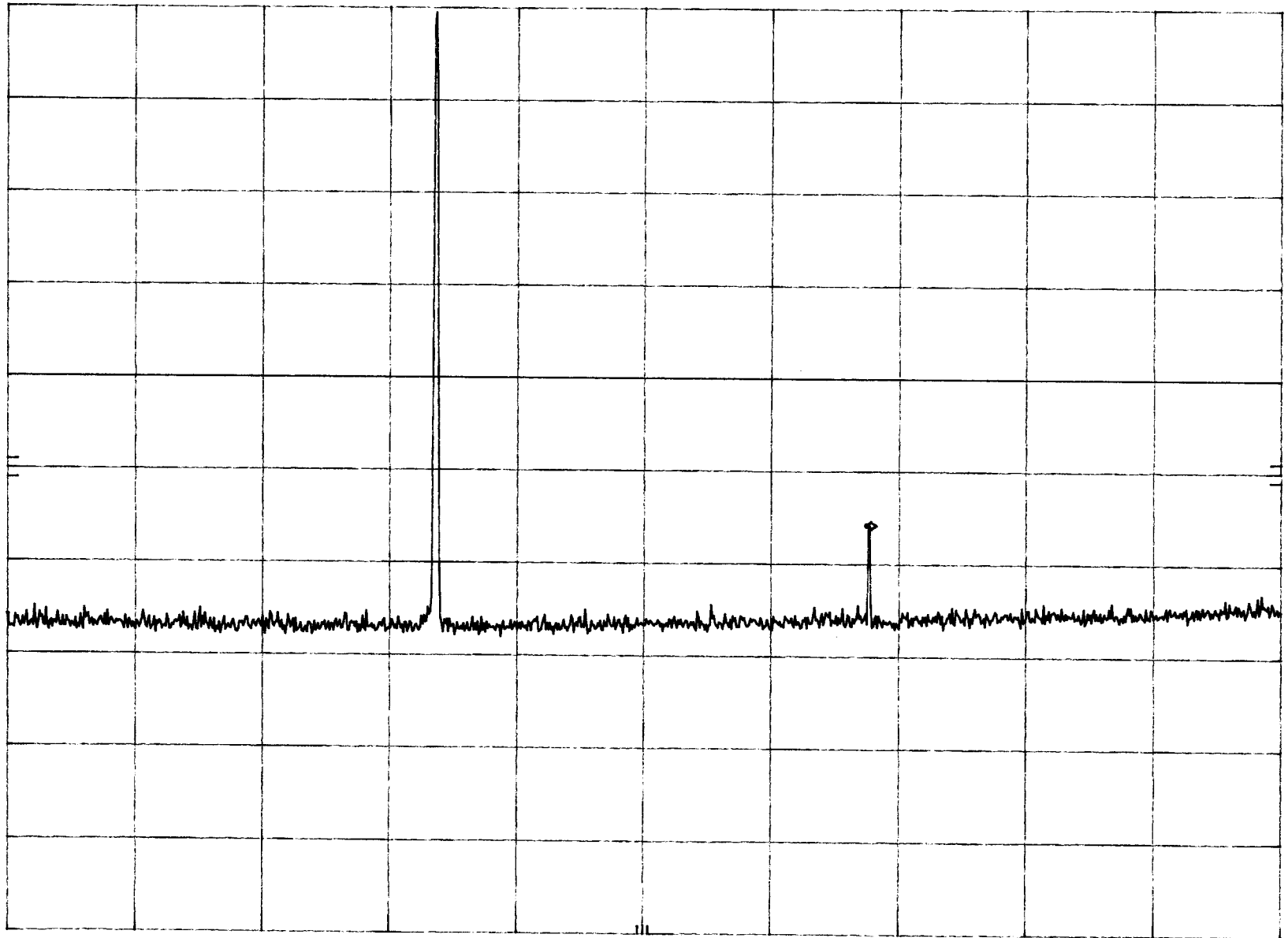
FCC ID A3LSCHT300 COND. SPURS. FM Ch. 0799 MKR 1.696 GHz
hp REF 27.0 dBm ATTEN 40 dB -28.80 dBm

10 dB/

POS PK

OFFSET
0.2
dB

DL
-13.0
dBm



START 10 MHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID A3LSCHT300 COND. SPURS. FM Ch. 0799 MKR 9.430 GHz
REF 27.0 dBm ATTEN 40 dB -31.90 dBm

hp

10 dB/

POS PK

OFFSET

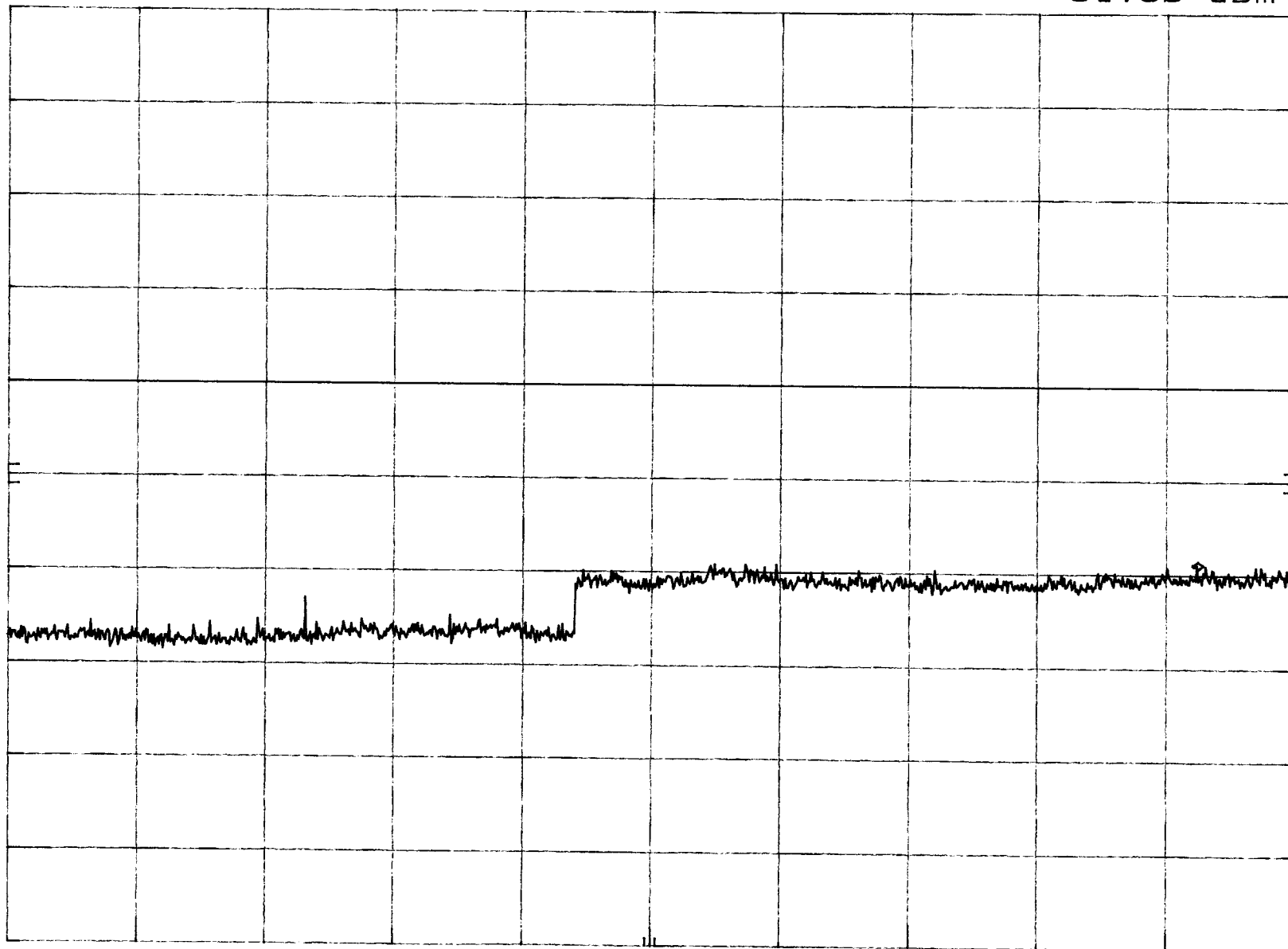
0.2

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 10.00 GHz
SWP 188 msec

FCC ID A3LSCHT300 COND. SPURS. Ch. 0383

MKR 1.671 GHz

hp REF 27.0 dBm ATTN 40 dB

-26.60 dBm

10 dB/

POS PK

OFFSET

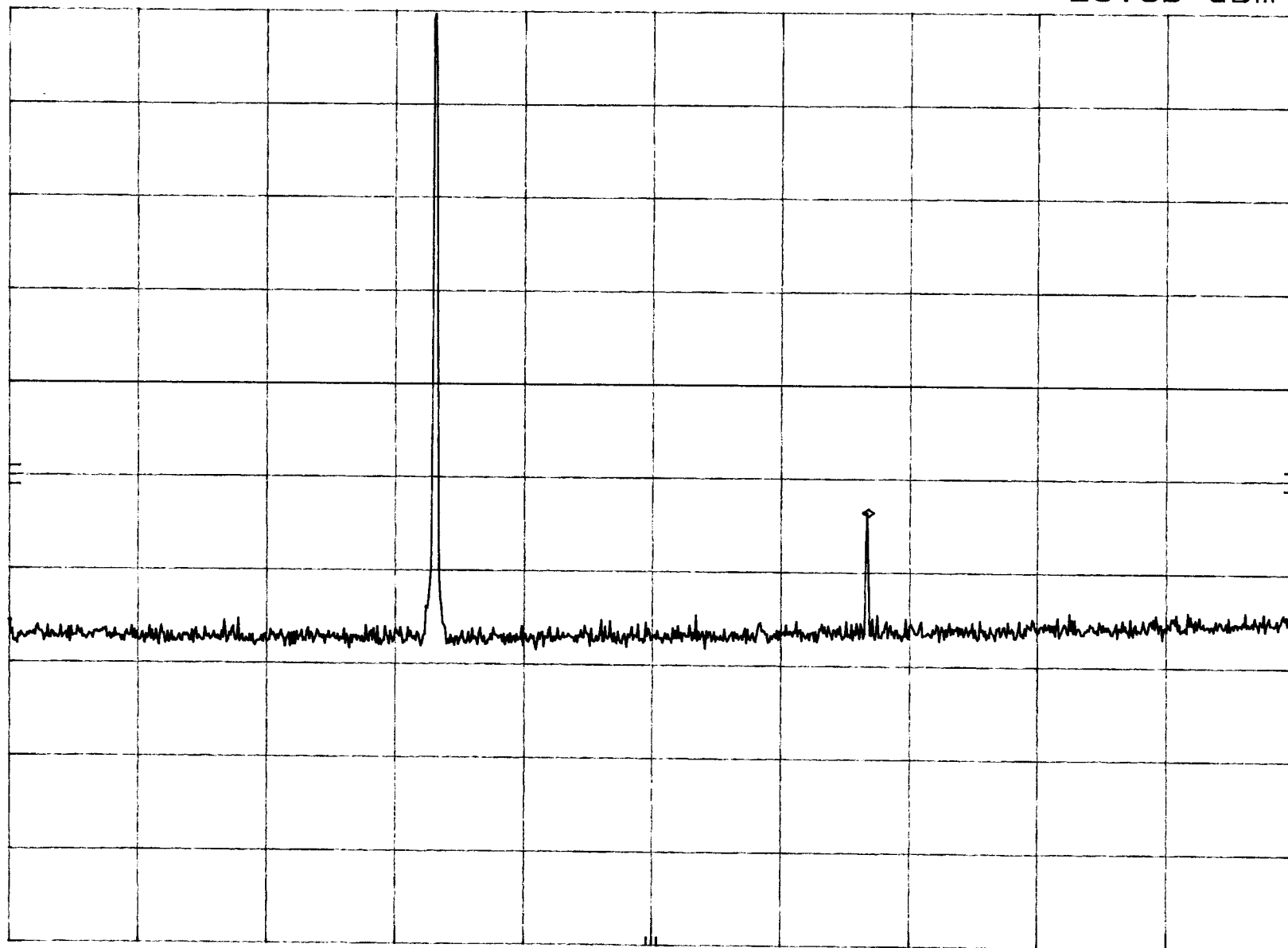
0.2

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID A3LSCHT300 COND. SPURS. Ch. 0383

MKR 6.865 GHz

hp

REF 27.0 dBm ATTN 40 dB

-31.80 dBm

10 dB/

POS PK

OFFSET

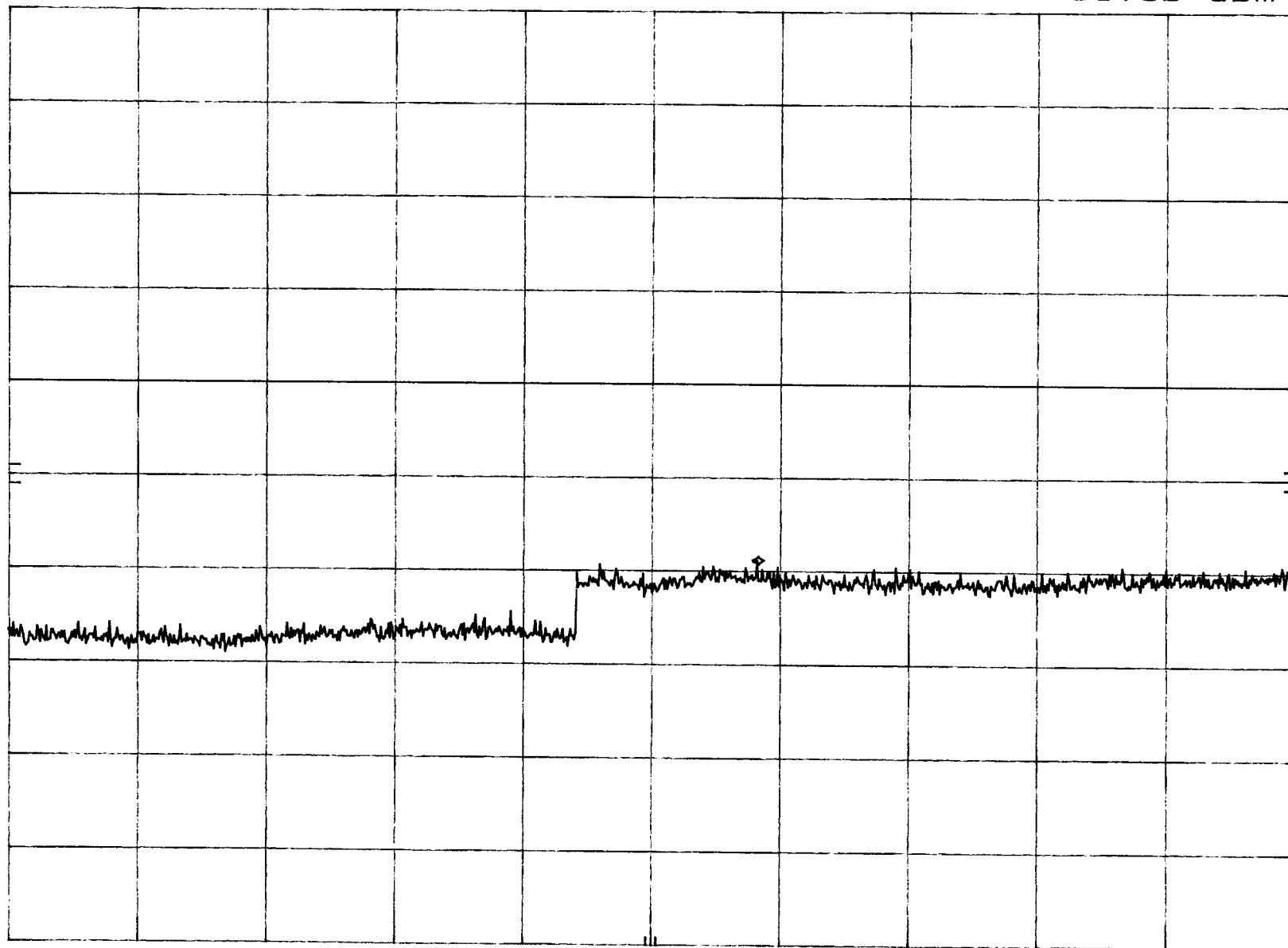
0.2

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID A3LSCHT300 COND. SPURS. FM Ch.0991

MKR 1.646 GHz

hp

REF 27.0 dBm

ATTEN 40 dB

-28.00 dBm

10 dB/

POS PK

OFFSET

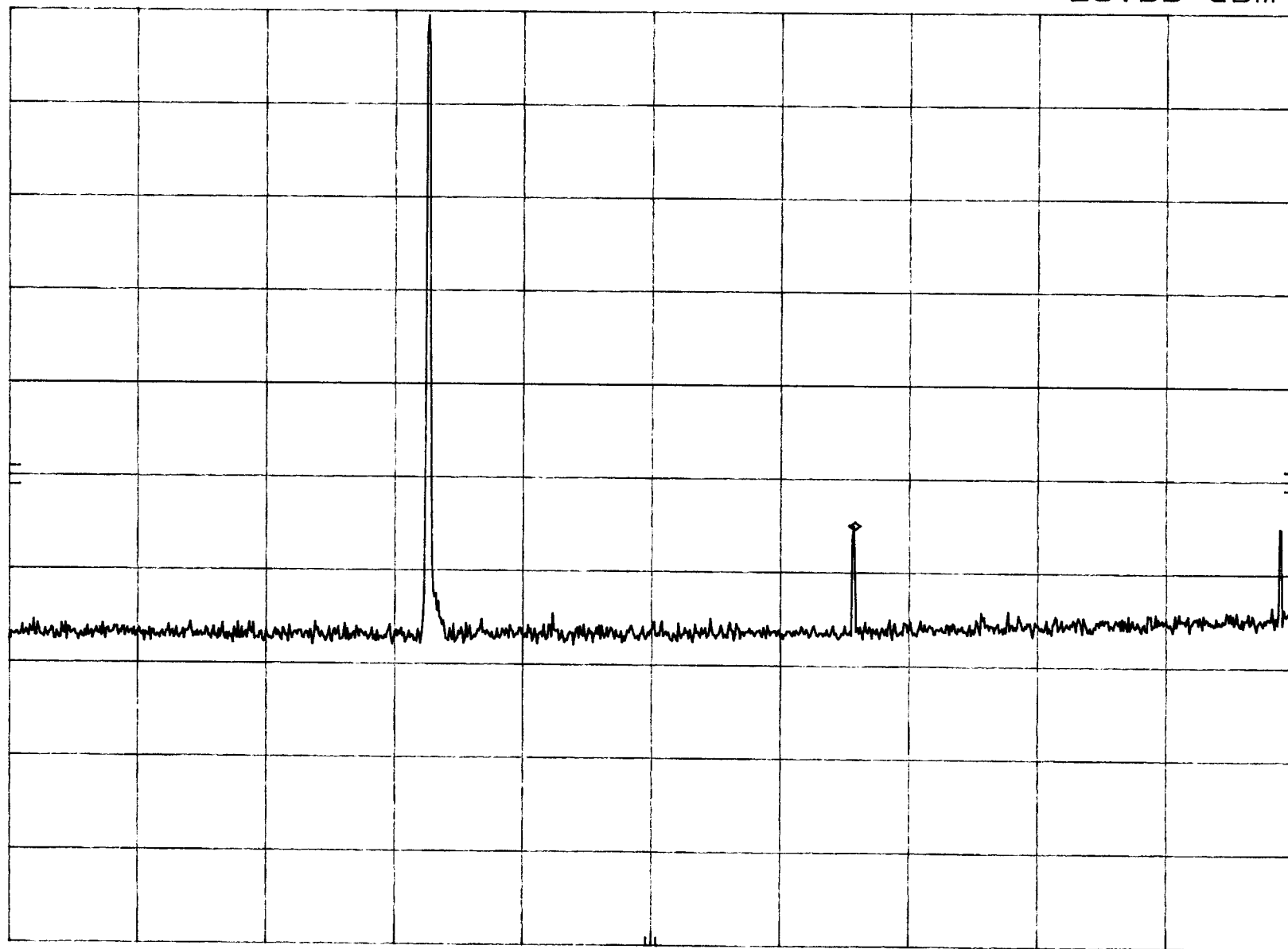
0.2

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID A3LSCHT300 COND. SPURS. FM Ch.0991

MKR 8.935 GHz

hp

REF 27.0 dBm

ATTEN 40 dB

-31.30 dBm

10 dB/

POS PK

OFFSET

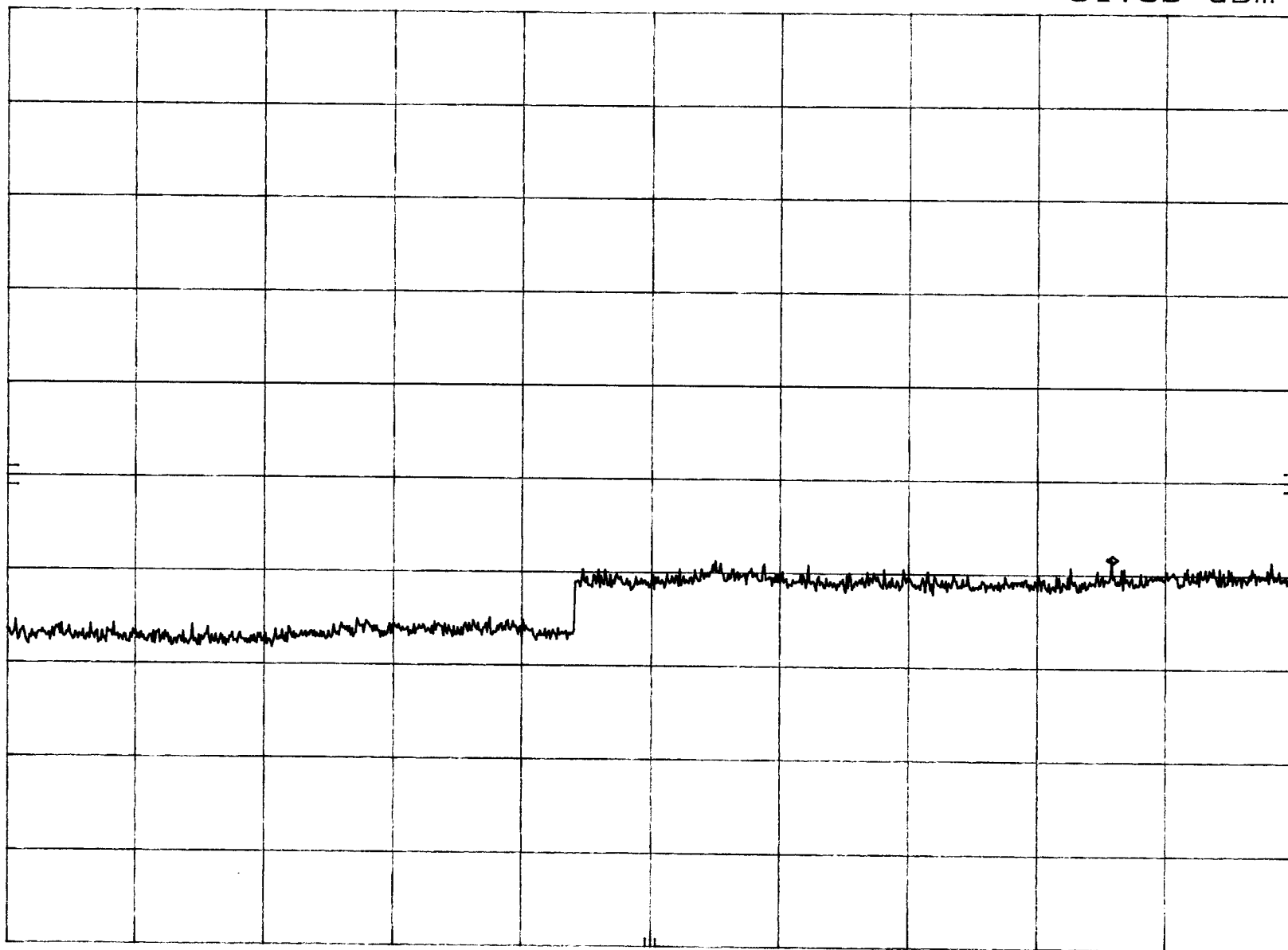
0.2

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

~~hp~~ FCC ID: A3LSCHT300 FM MODE

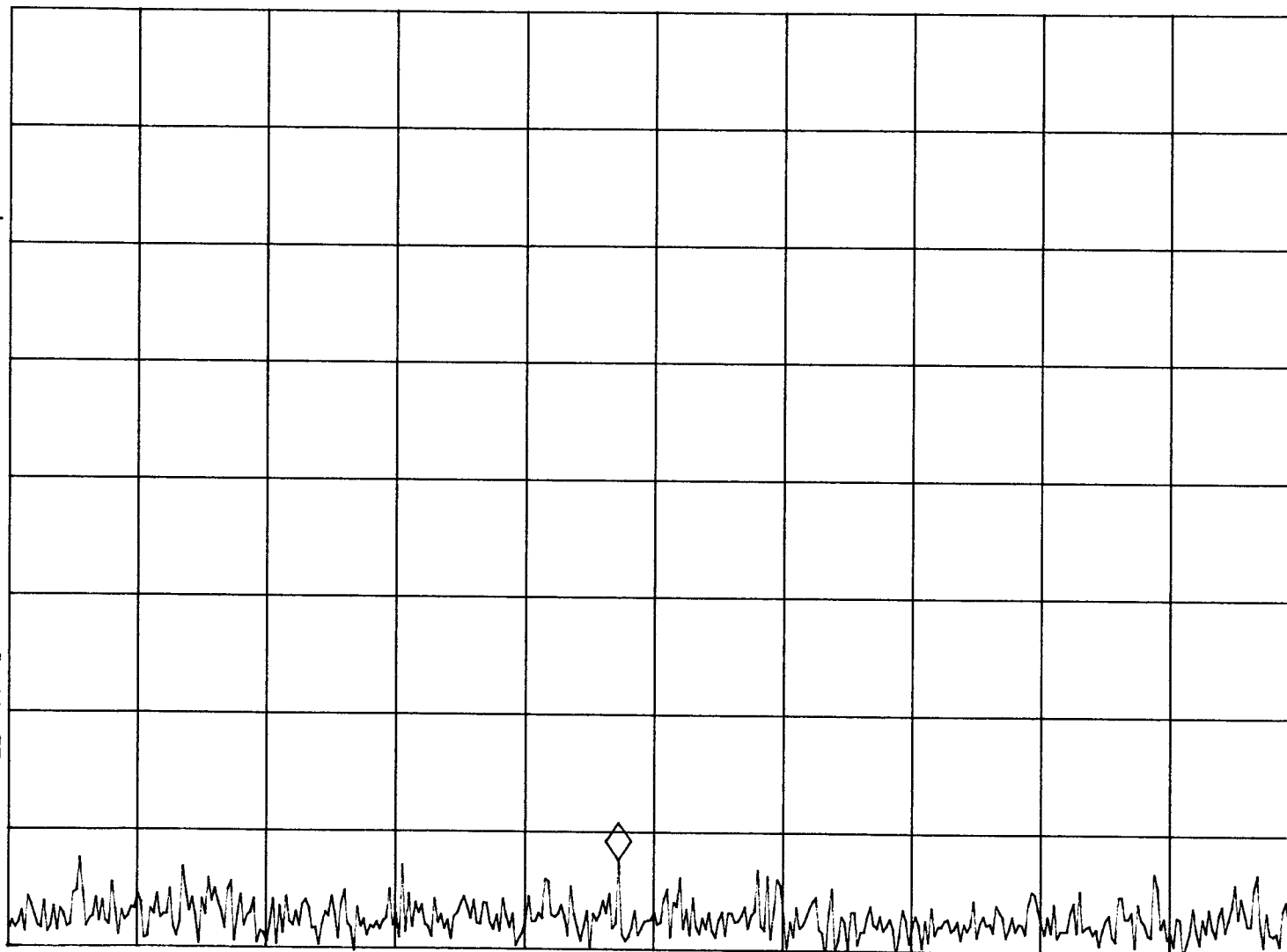
MKR 880.81 MHz

REF -60.0 dBm #ATTEN 10 dB PG 25.0 dB

-96.19 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 A3LSCHT300 COND SPURS CDMA Ch. 1013 MKR 1.648 GHz
REF 26.0 dBm ATTEN 40 dB -29.60 dBm

hp

10 dB/

POS PK

OFFSET

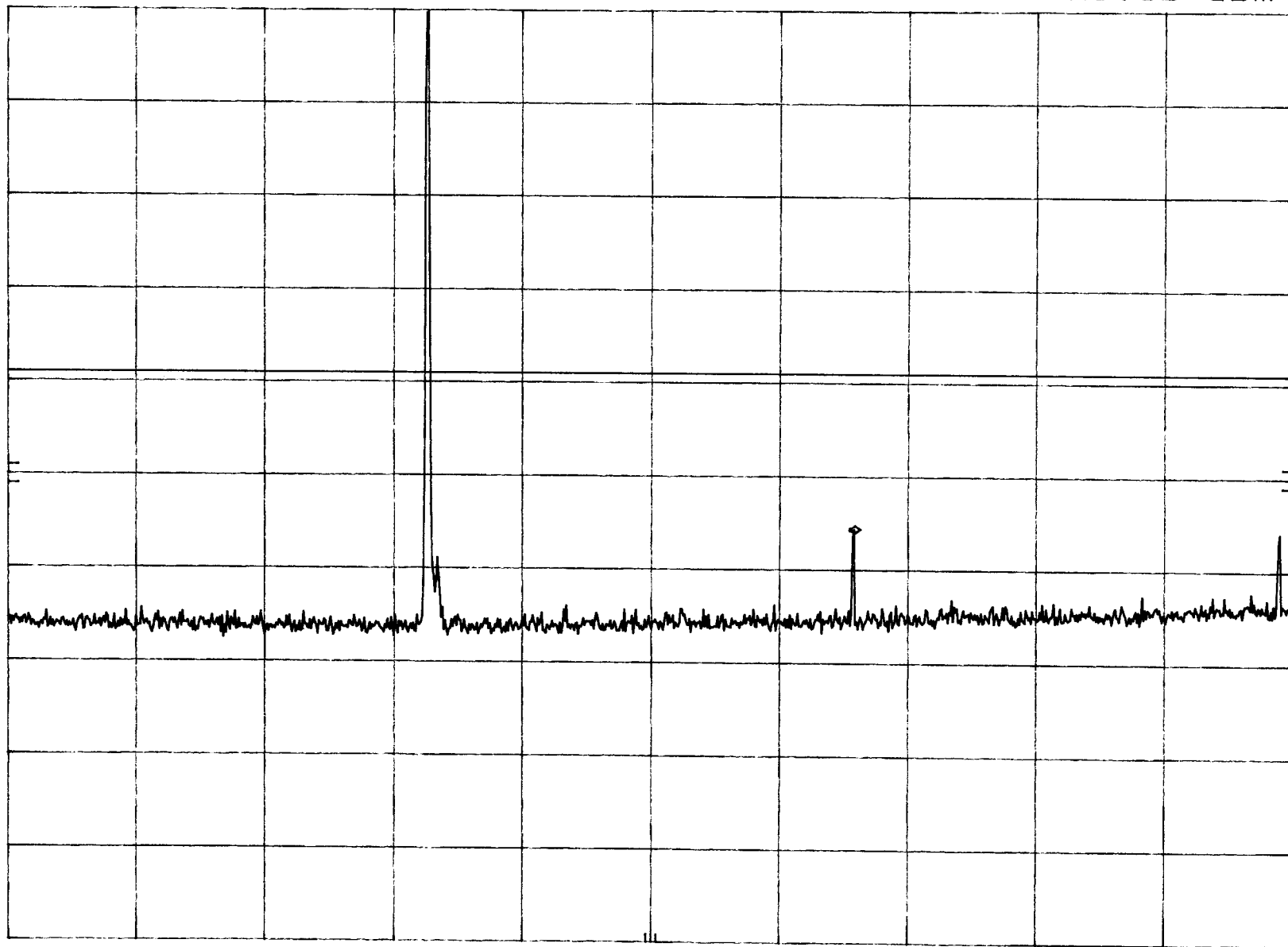
0.2

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID A3LSCHT300 COND SPURS CDMA Ch. 1013 MKR 9.948 GHz
REF 26.0 dBm ATTEN 40 dB -31.30 dBm

hp

10 dB/

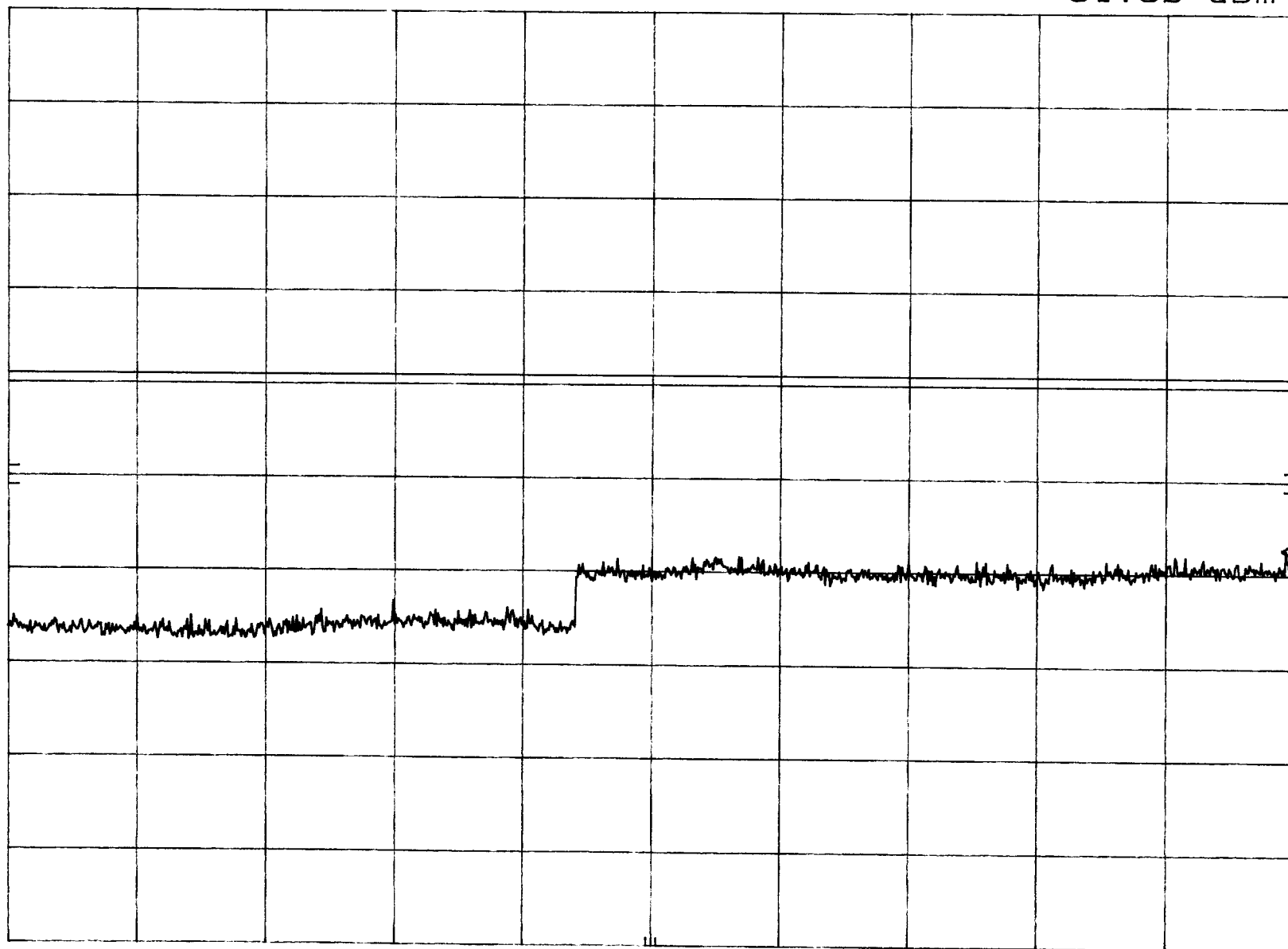
POS PK

OFFSET

0.2
dB

DL

-13.0
dBm



START 2.50 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID A3LSCHT300 COND SPURS CDMA Ch.0363

MKR 1.671 GHz

hp REF 26.0 dBm ATTN 40 dB

-28.40 dBm

10 dB/

POS PK

OFFSET

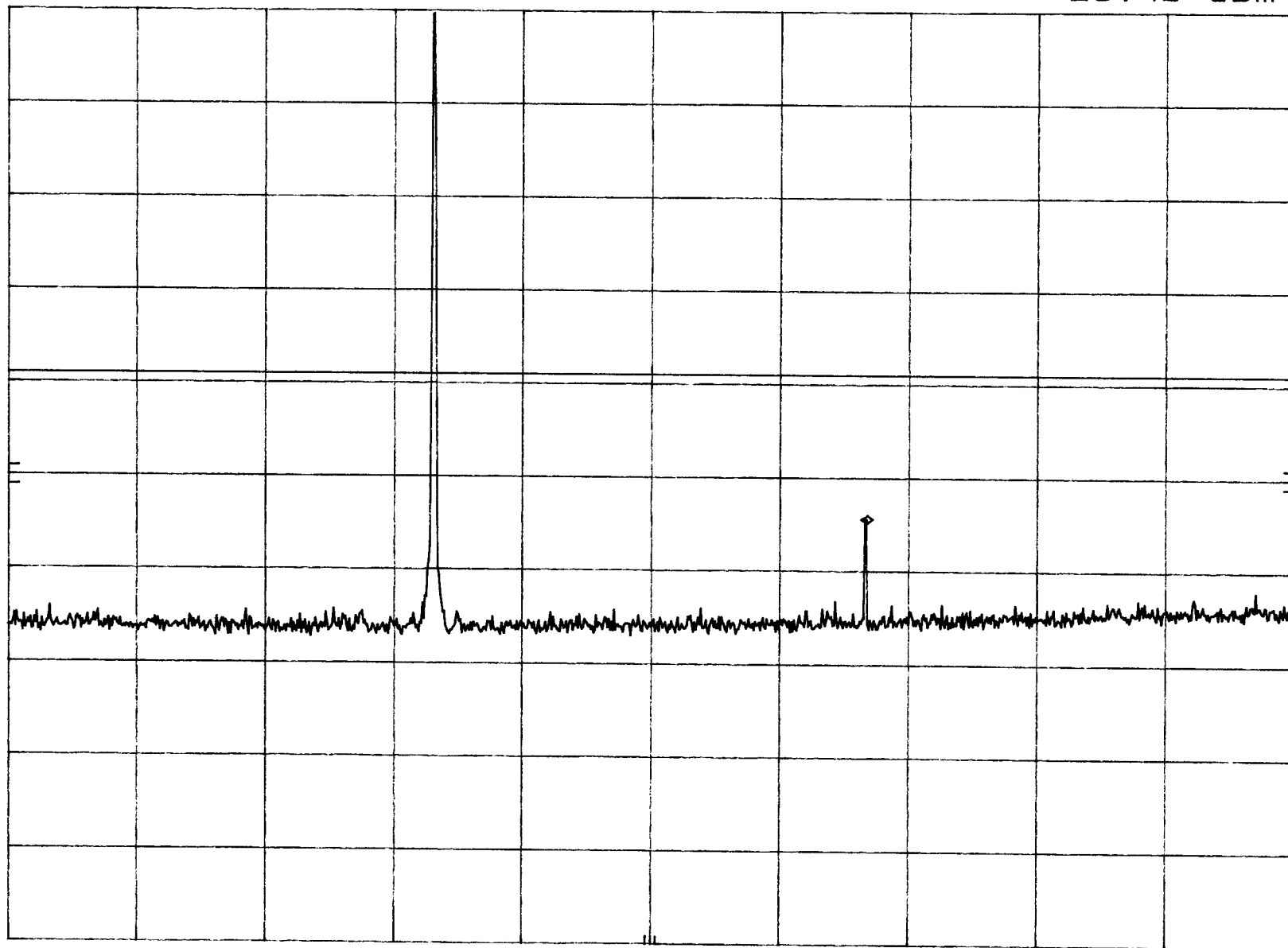
0.2

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID A3LSCHT300 COND SPURS CDMA Ch.0363

MKR 9.550 GHz

hp

REF 26.0 dBm

ATTEN 40 dB

-32.00 dBm

10 dB/

POS PK

OFFSET

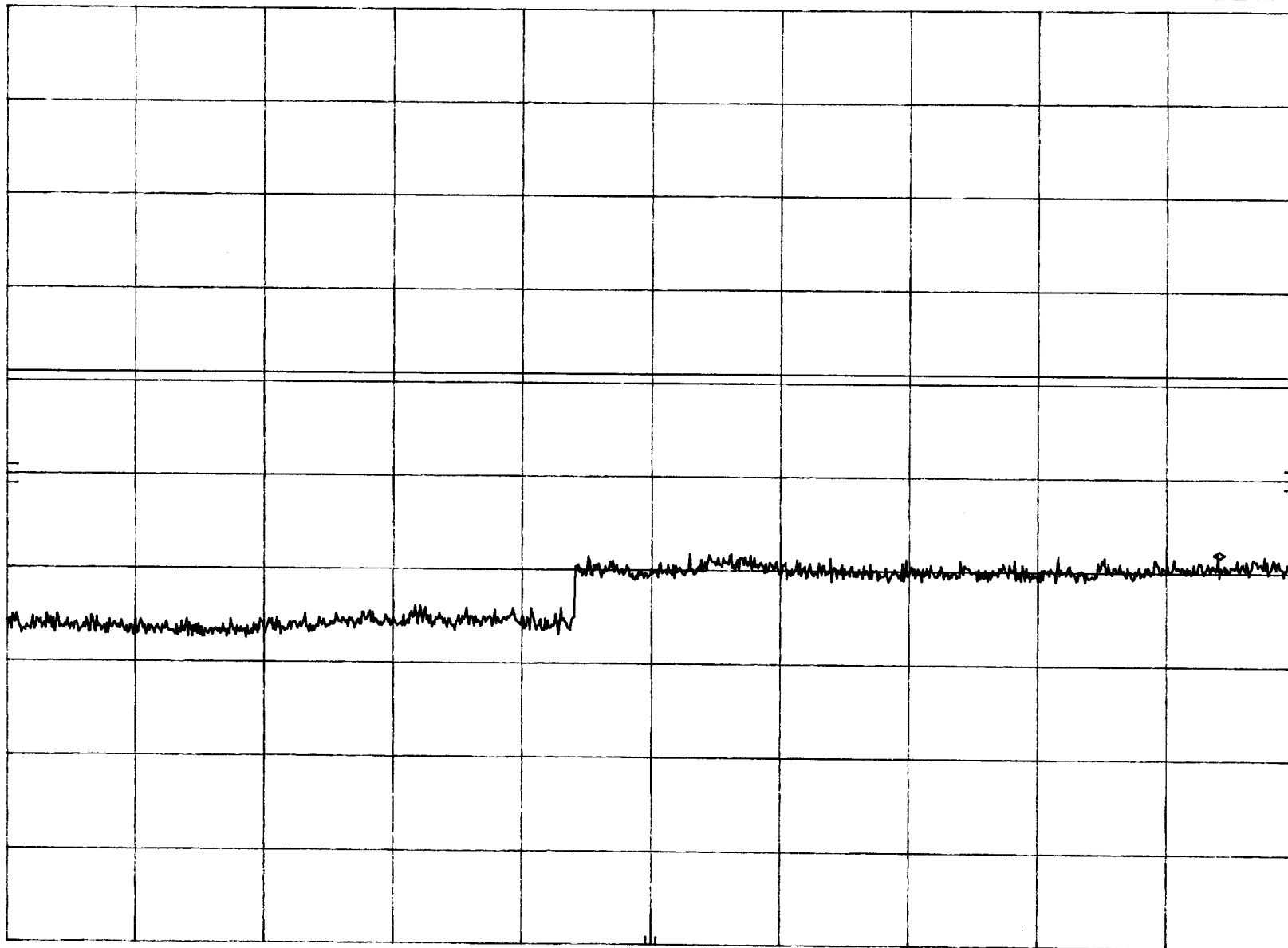
0.2

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID A3LSCHT300 COND SPURS CDMA Ch. 0777 MKR 1.696 GHz
REF 26.0 dBm ATTEN 40 dB -29.40 dBm

hp

10 dB/

POS PK

OFFSET

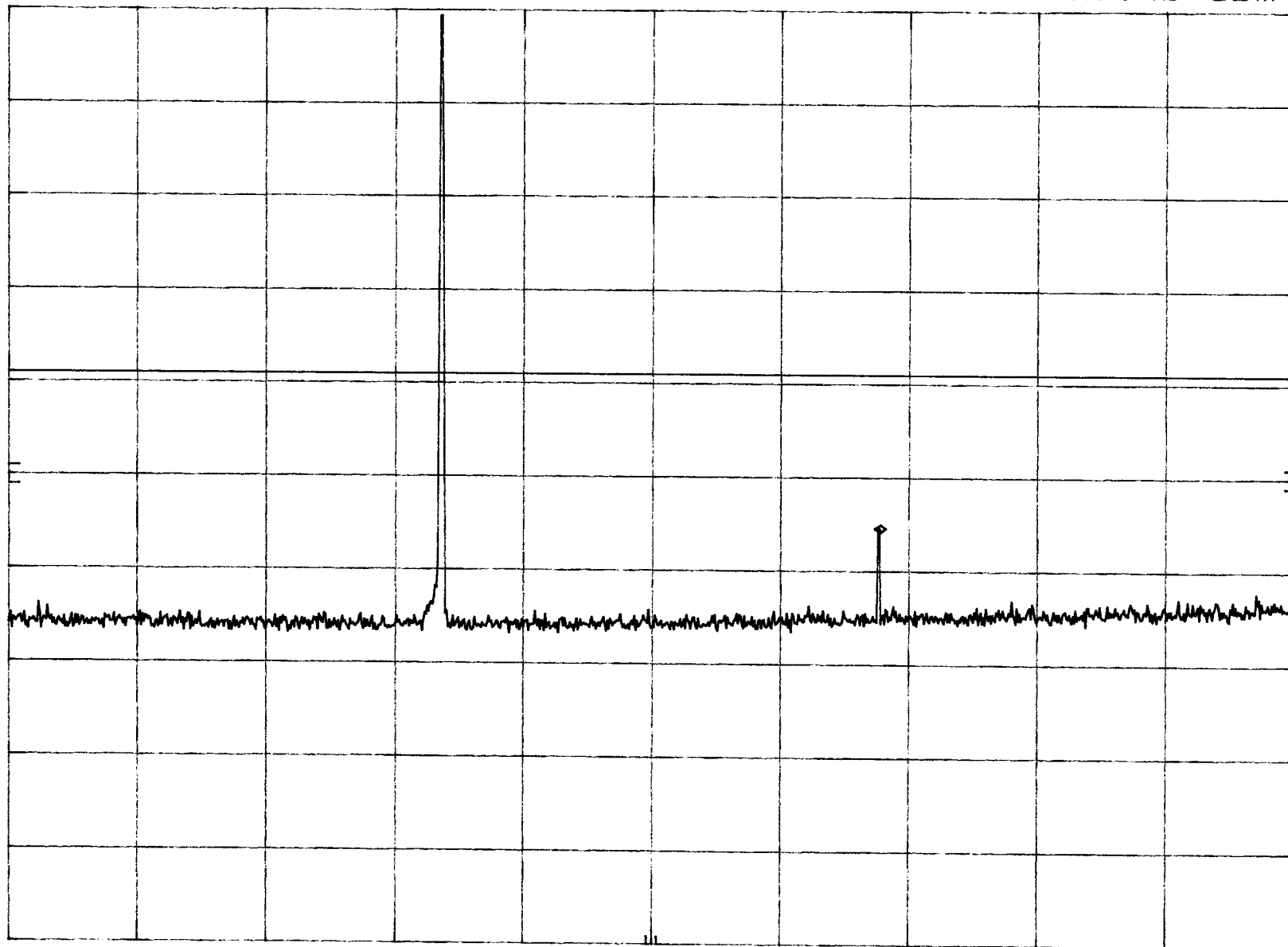
0.2

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID A3LSCHT300 COND SPURS CDMA Ch. 0777 MKR 6.265 GHz
REF 26.0 dBm ATTEN 40 dB -31.80 dBm

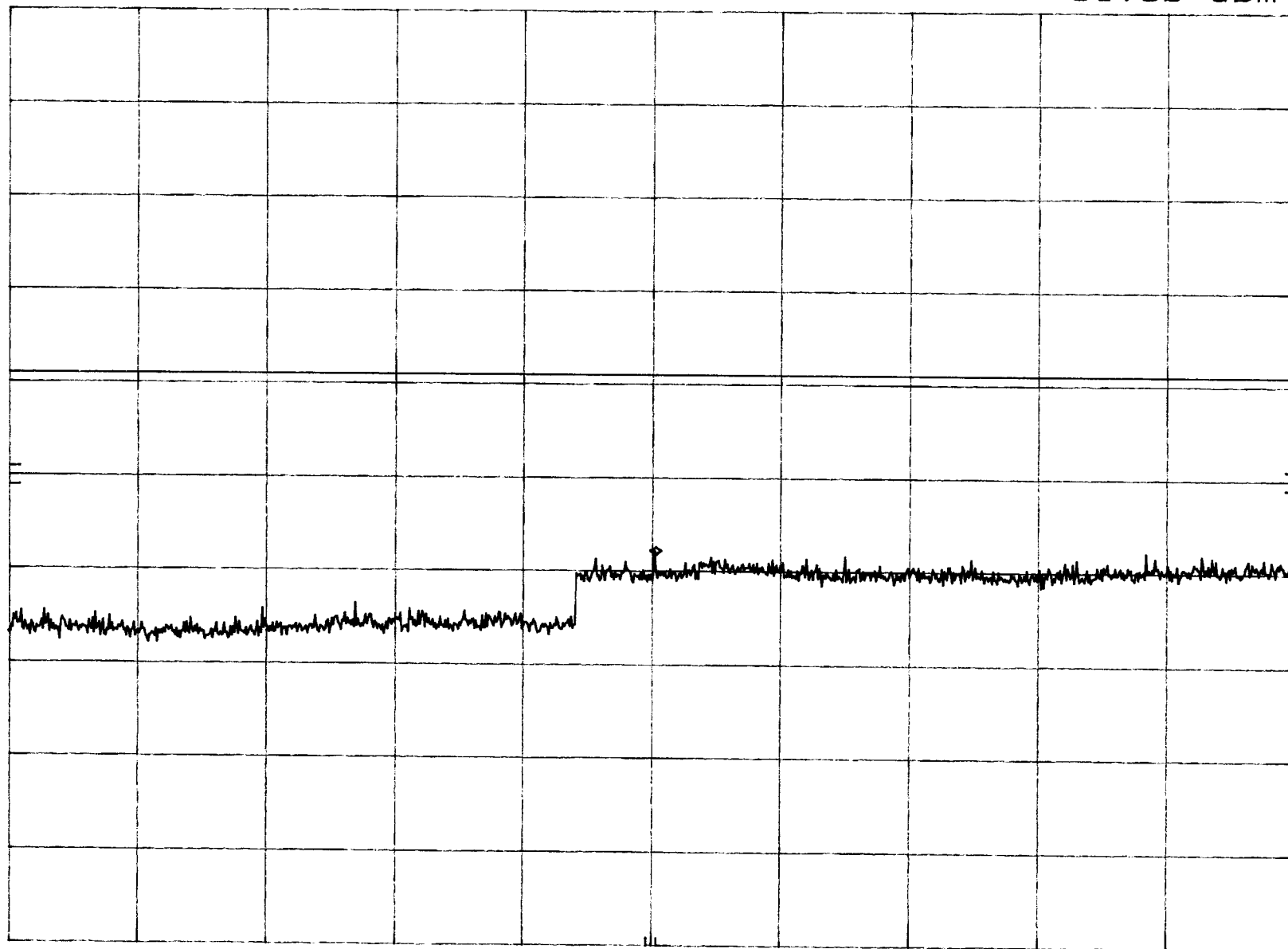
hp

10 dB/

POS PK

OFFSET
0.2
dB

DL
-13.0
dBm



START 2.50 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 10.00 GHz
SWP 188 msec

FCC ID A3LSCHT300 CDMA POWER OUT Ch.1013

REF 26.0 dBm ATTN 40 dB

hp

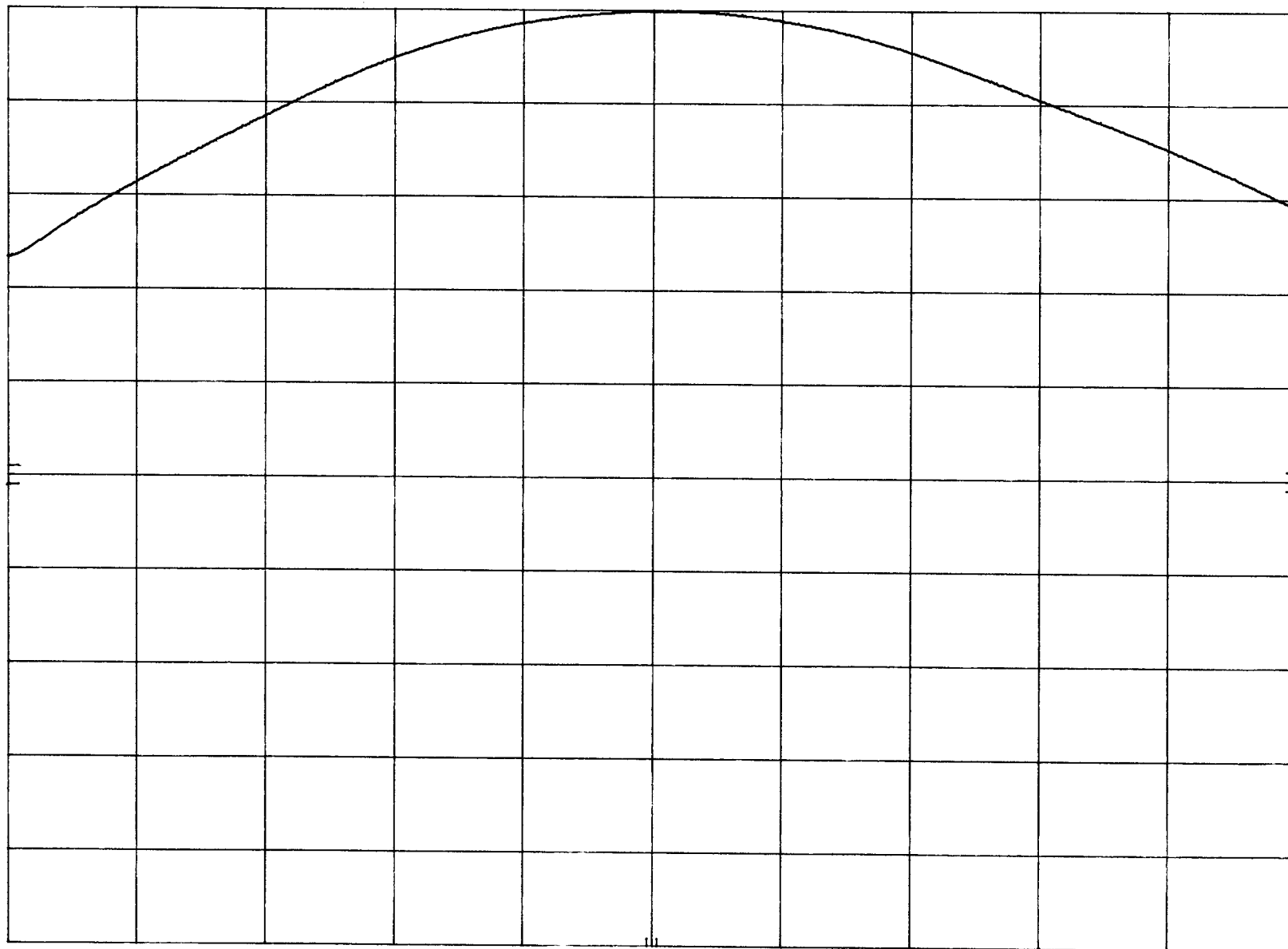
10 dB/

POS PK

OFFSET

0.2

dB



CENTER 824.7 MHz

RES BW 3 MHz

VBW 3 MHz

SPAN 10.0 MHz
SWP 20.0 msec

FCC ID A3LSCHT300 CDMA POWER OUT Ch. 0777

hp REF 26.0 dBm ATTN 40 dB

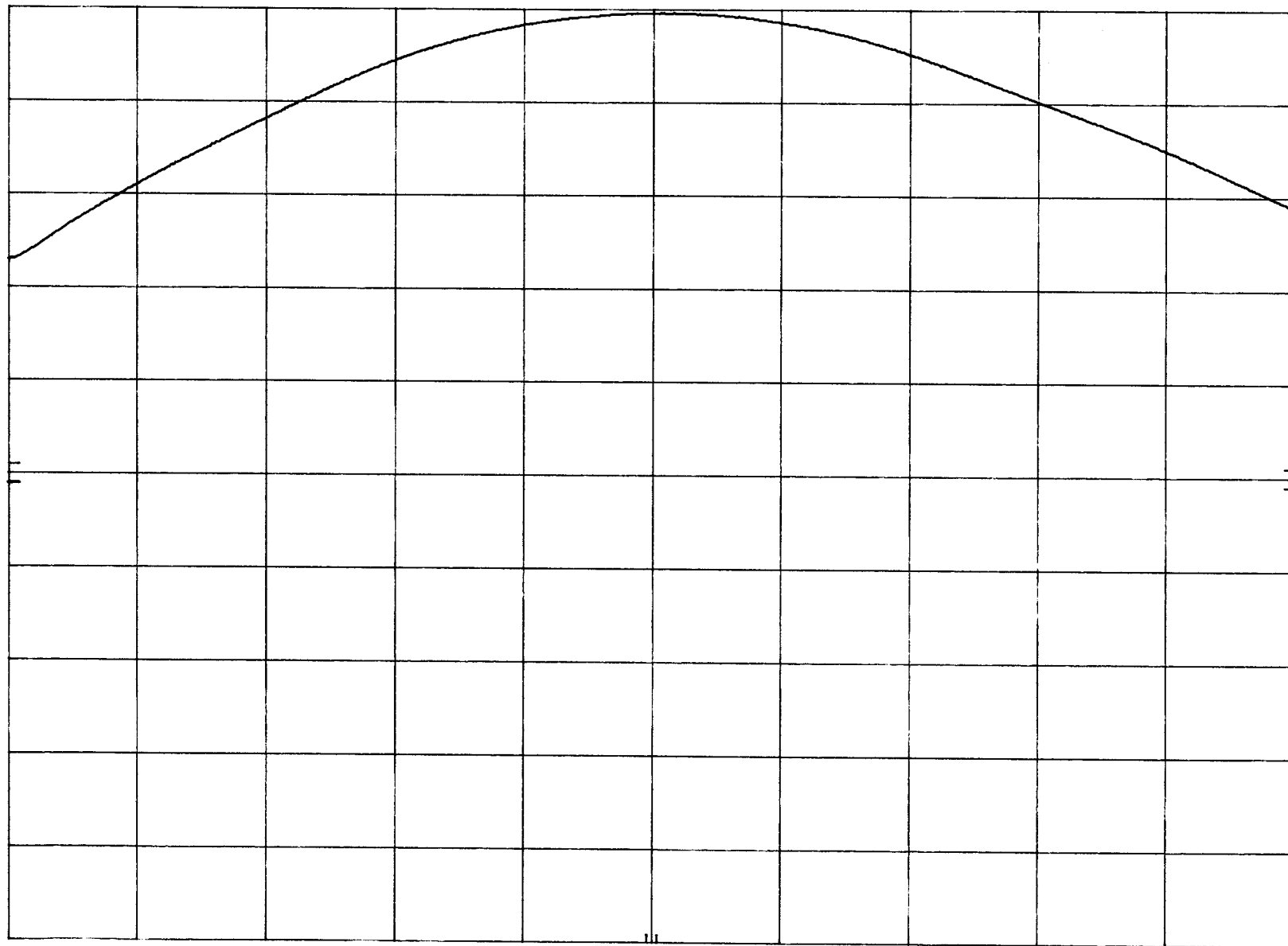
10 dB/

POS PK

OFFSET

0.2

dB



CENTER 848.3 MHz

RES BW 3 MHz

VBW 3 MHz

SPAN 10.0 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 CDMA POWER OUT Ch. 0363

hp REF 26.0 dBm ATTN 40 dB

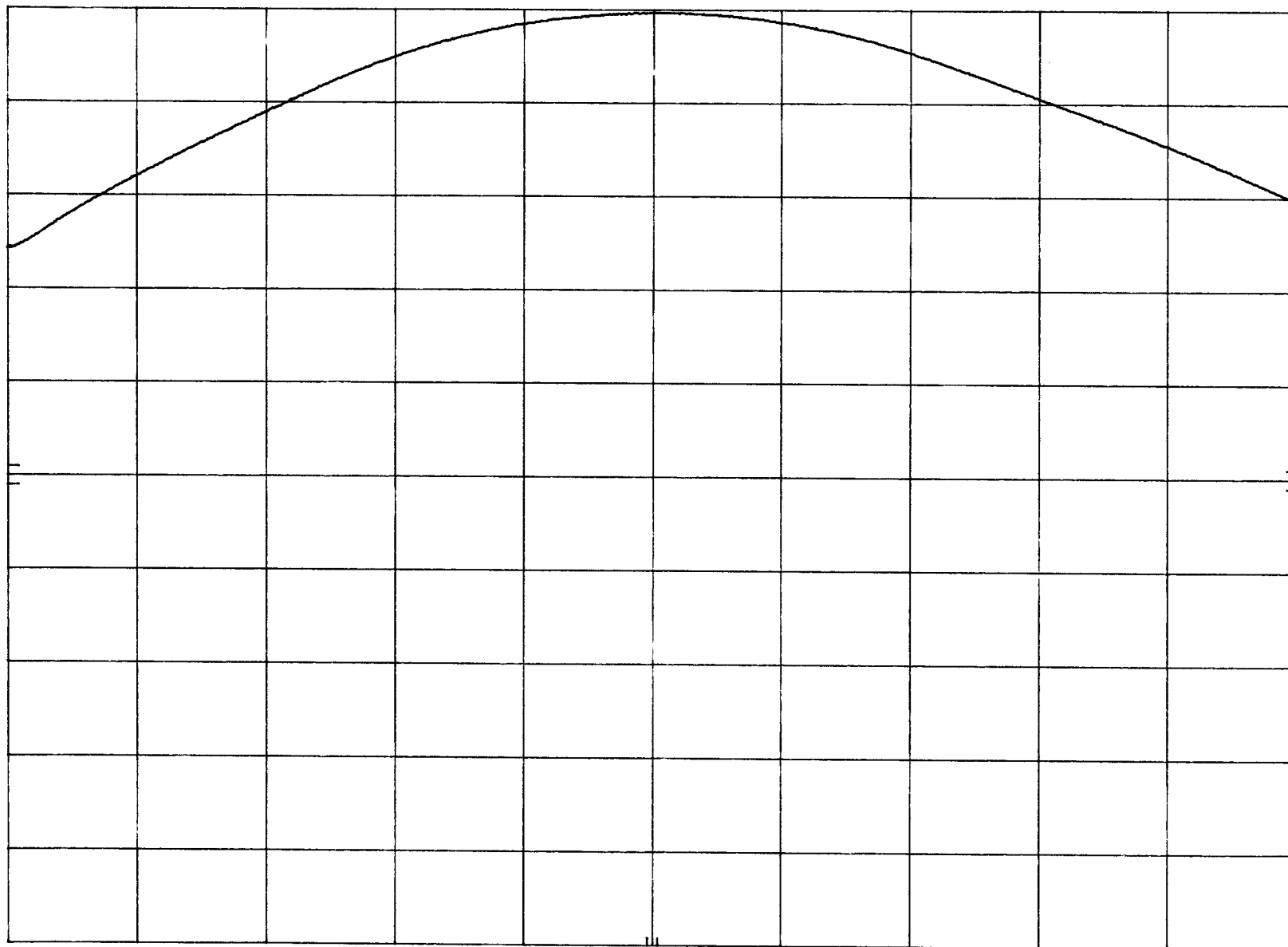
10 dB/

POS PK

OFFSET

0.2

dB



CENTER 835.9 MHz

RES BW 3 MHz

VBW 3 MHz

SPAN 10.0 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 CDMA Ch. 1013

hp REF 26.0 dBm ATTN 40 dB

10 dB/

POS PK

OFFSET

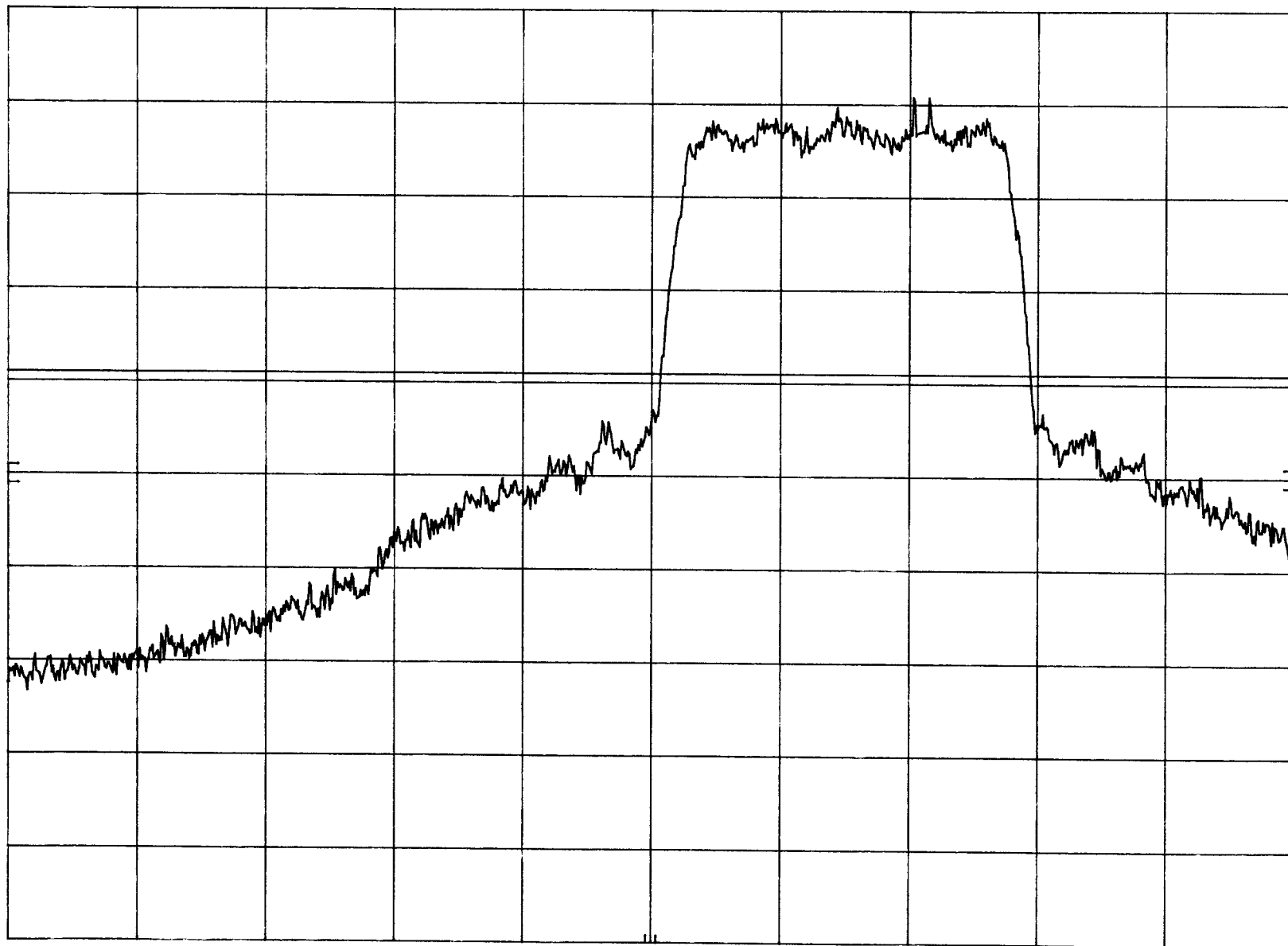
0.2

dB

DL

-13.0

dBm



CENTER 824.00 MHz

RES BW 30 KHz

VBW 30 KHz

SPAN 5.00 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 CDMA Ch. 0777

hp

REF 26.0 dBm ATTN 40 dB

10 dB/

POS PK

OFFSET

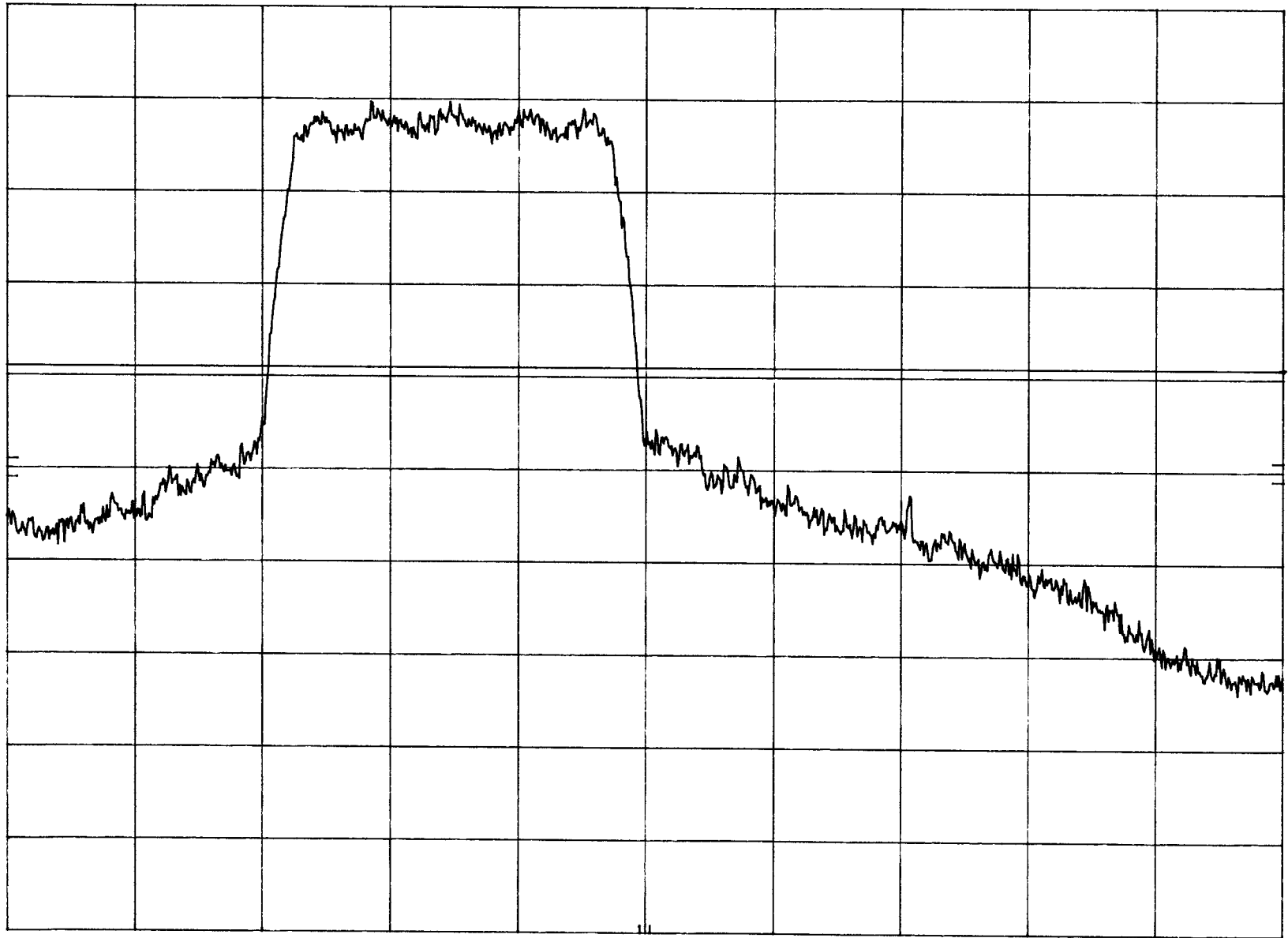
0.2

dB

DL

-13.0

dBm



CENTER 849.00 MHz

RES BW 30 kHz

VBW 30 kHz

SPAN 5.00 MHz
SWP 20.0 msec

* Agilent 18:53:08 Nov 7, 2000

FCC ID: A3LSCHT300 CDMA POWER OUT Ch. 0363

Ref 26 dBm

Atten 40 dB

Samp

Log

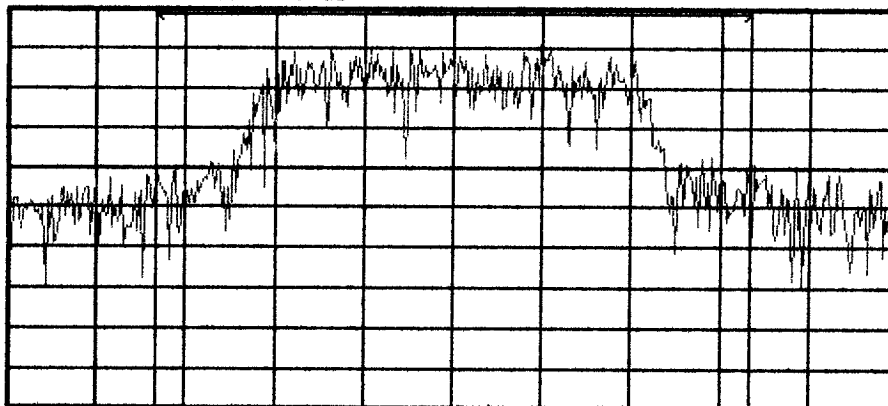
10

dB/

Offst

0.2

dB



Center 835.9 MHz

Span 3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Sweep 9.167 ms (401 pts)

Channel Power Results (idle)

Channel Power

26.00 dBm

Integration BW 2.000 MHz

Density -37.01 dBm/Hz

Freq/Channel

Center Freq

835.900000 MHz

Start Freq

834.400000 MHz

Stop Freq

837.400000 MHz

CF Step

300.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

FCC ID A3LSCHT300 PCS COND SPURS Ch. 1175 MKR 1.887 GHz
REF 24.5 dBm ATTEN 40 dB -30.60 dBm

hp

10 dB/

POS PK

OFFSET

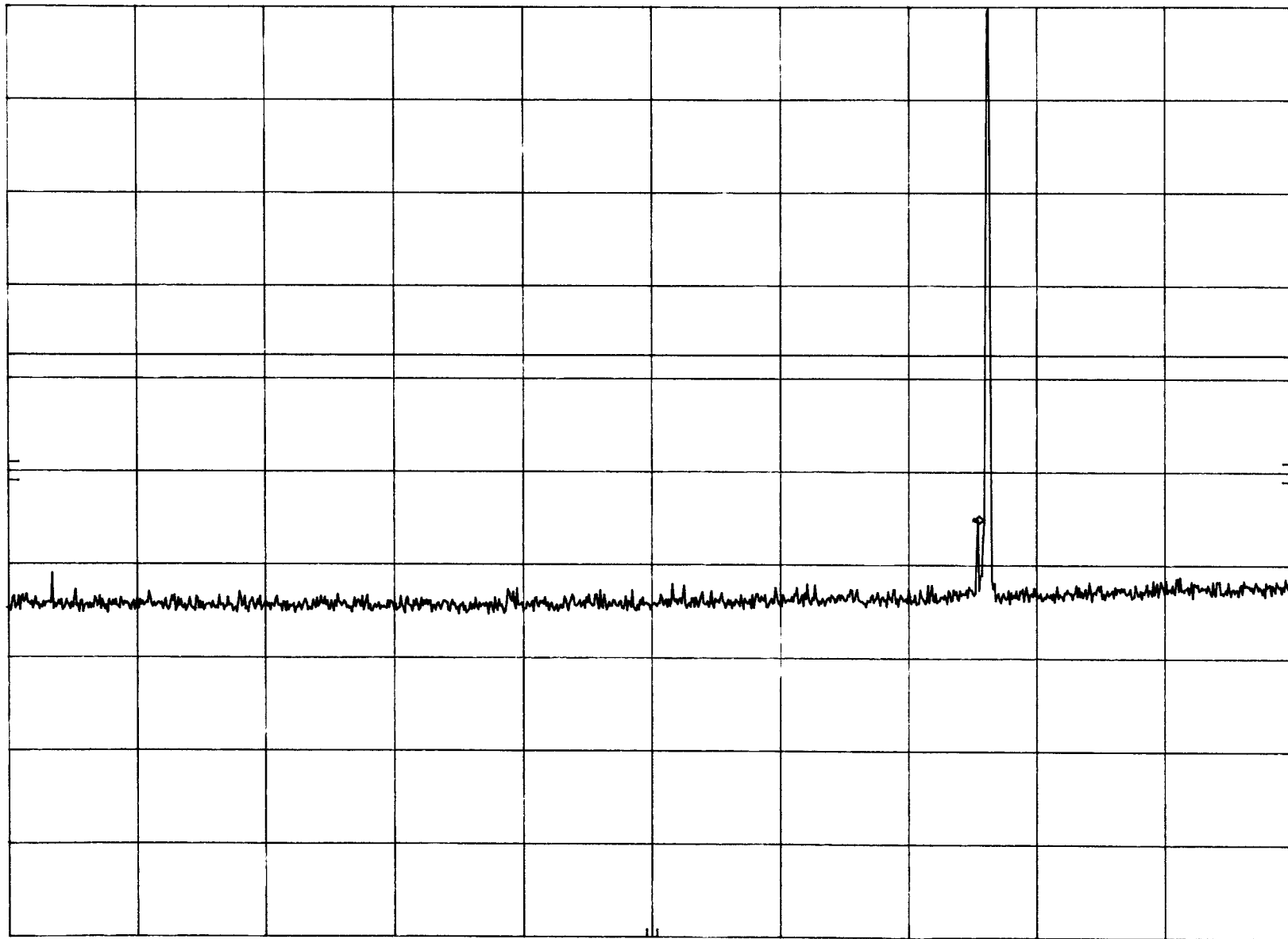
0.4

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.50 GHz
SWP 62.3 msec

FCC ID A3LSCHT300 PCS COND SPURS Ch. 1175 MKR 3.805 GHz

hp REF 24.5 dBm ATTEN 40 dB -30.60 dBm

10 dB/

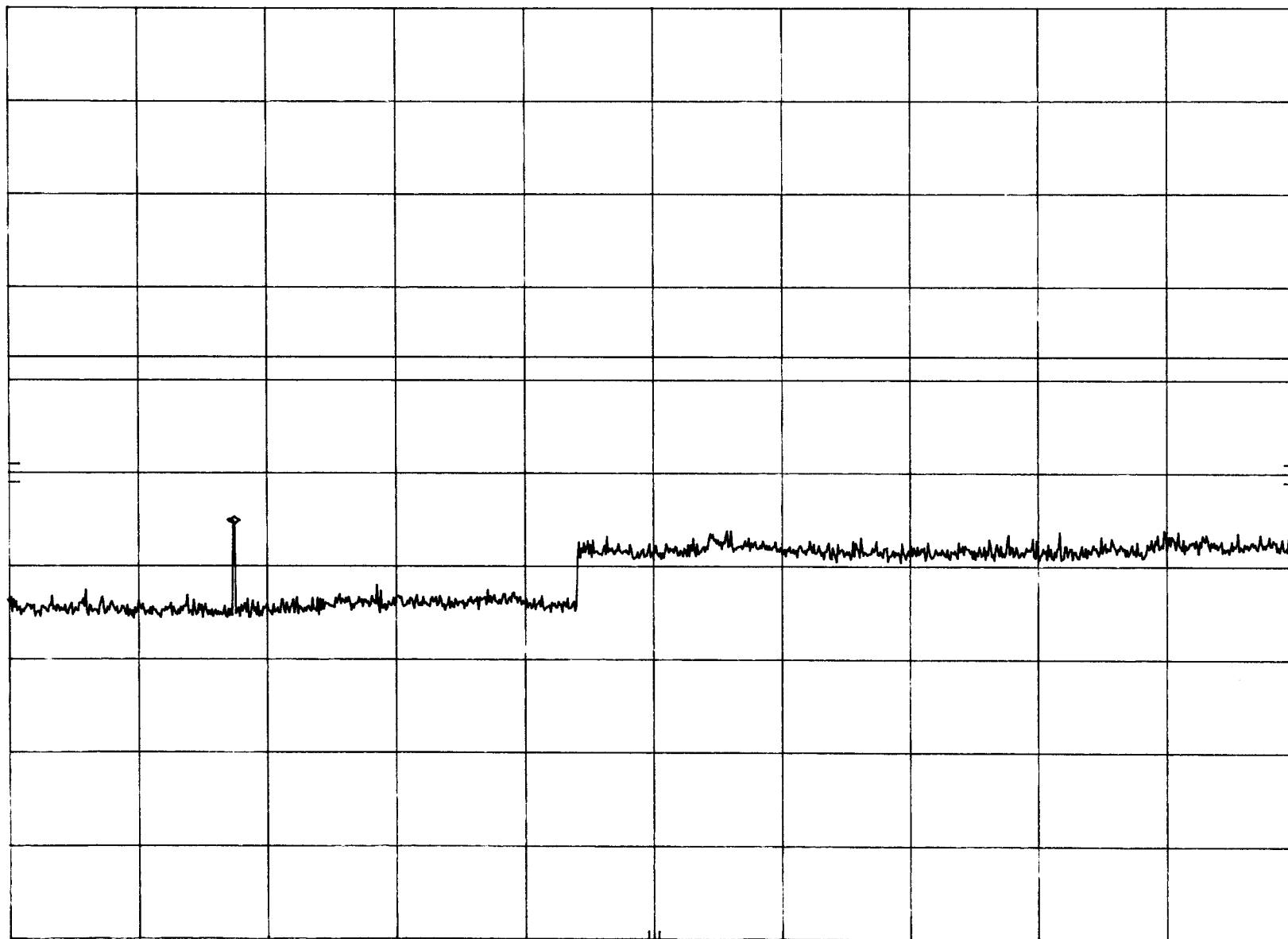
POS PK

OFFSET

0.4
dB

DL

-13.0
dBm



START 2.50 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID A3LSCHT300 PCS COND SPURS Ch. 0600 MKR 1.858 GHz
REF 24.5 dBm ATTEN 40 dB -33.30 dBm

hp

10 dB/

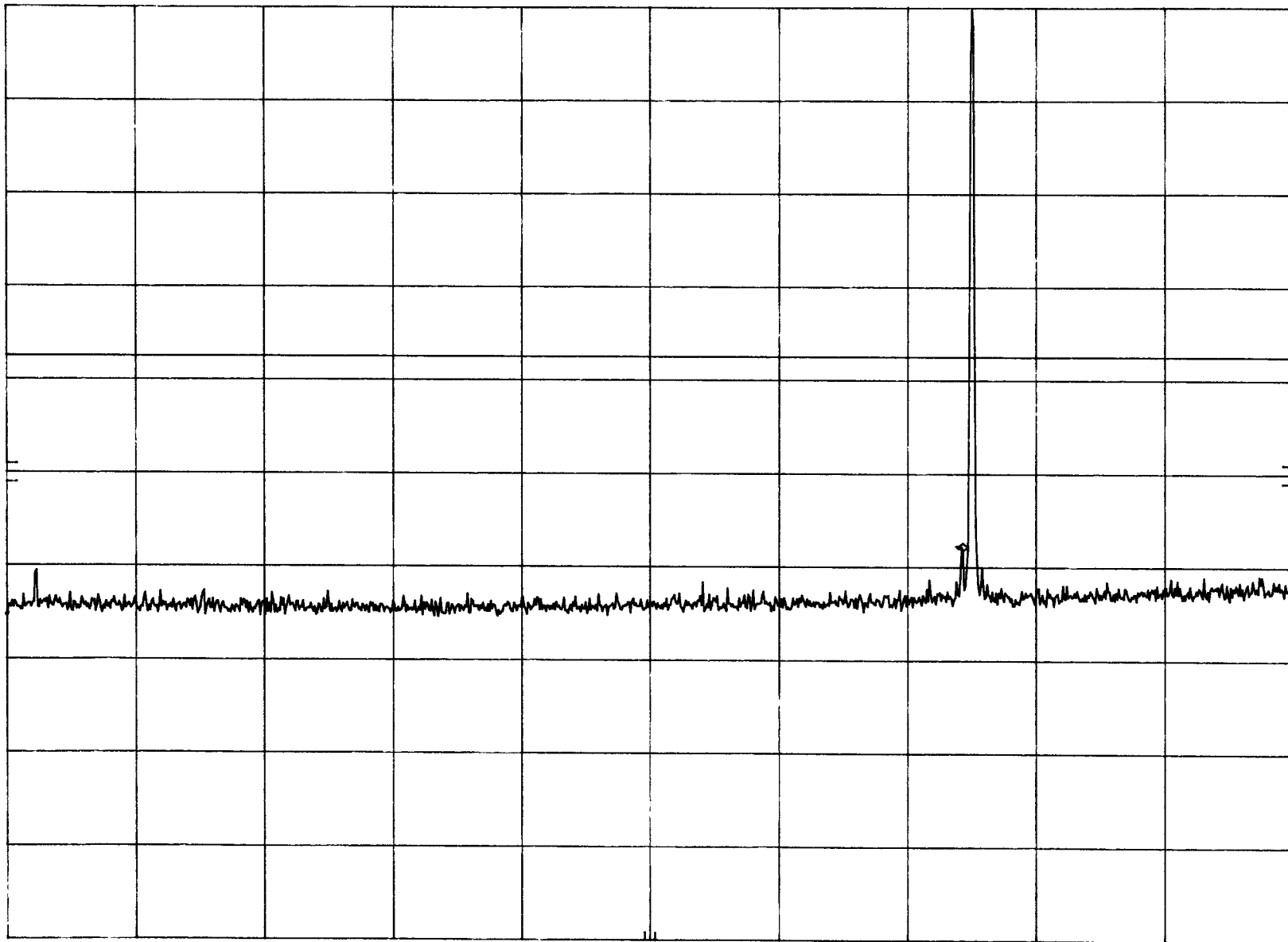
POS PK

OFFSET

0.4
dB

DL

-13.0
dBm



START 10 MHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID A3LSCHT300 PCS COND SPURS Ch. 0600 MKR 6.700 GHz
REF 24.5 dBm ATTEN 40 dB -31.60 dBm

hp

10 dB/

POS PK

OFFSET

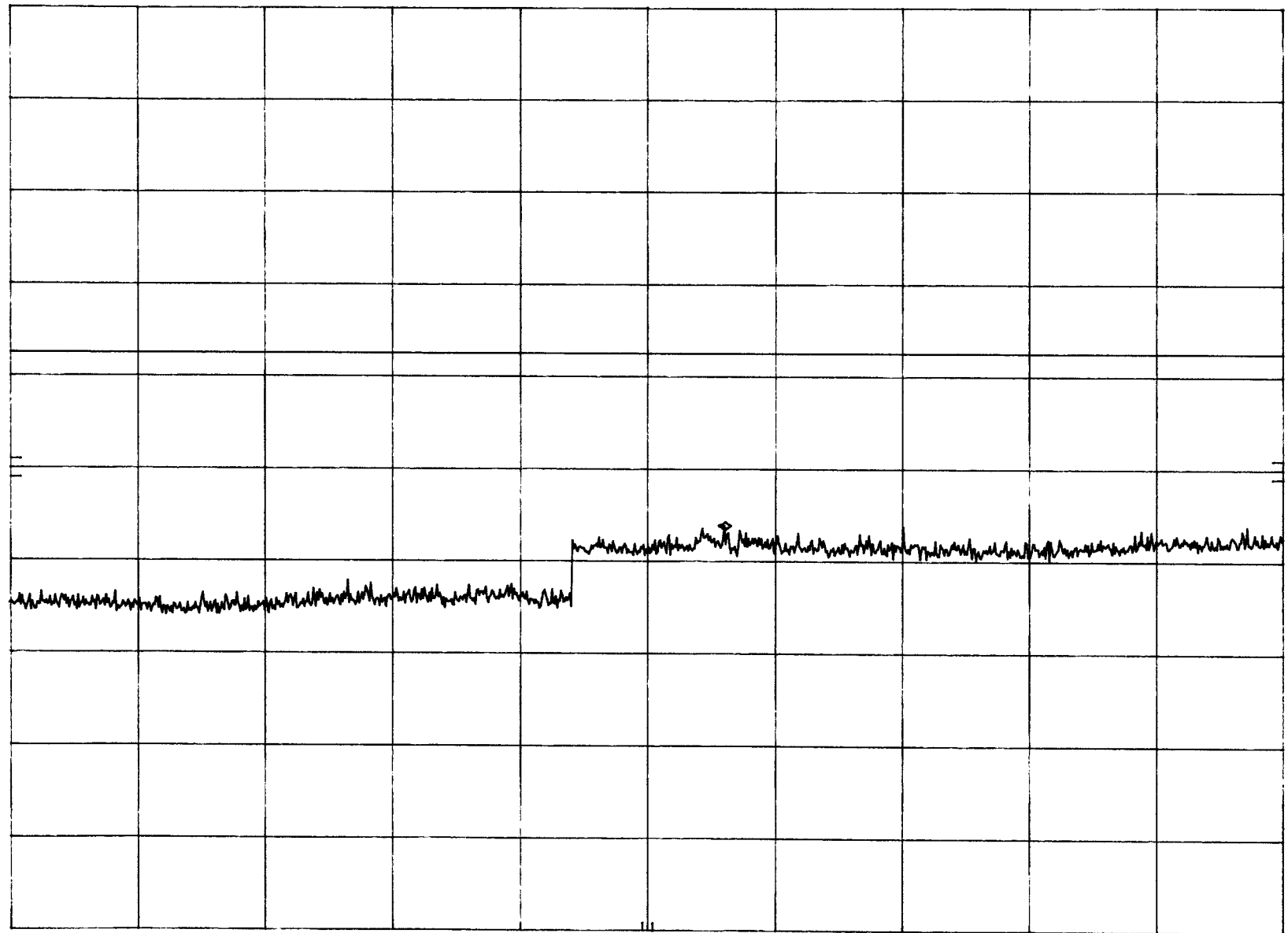
0.4

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec

FCC ID A3LSCHT300 PCS COND SPURS Ch. 0025

MKR 1.870 GHz

hp REF 24.5 dBm ATTN 40 dB

-33.00 dBm

10 dB/

POS PK

OFFSET

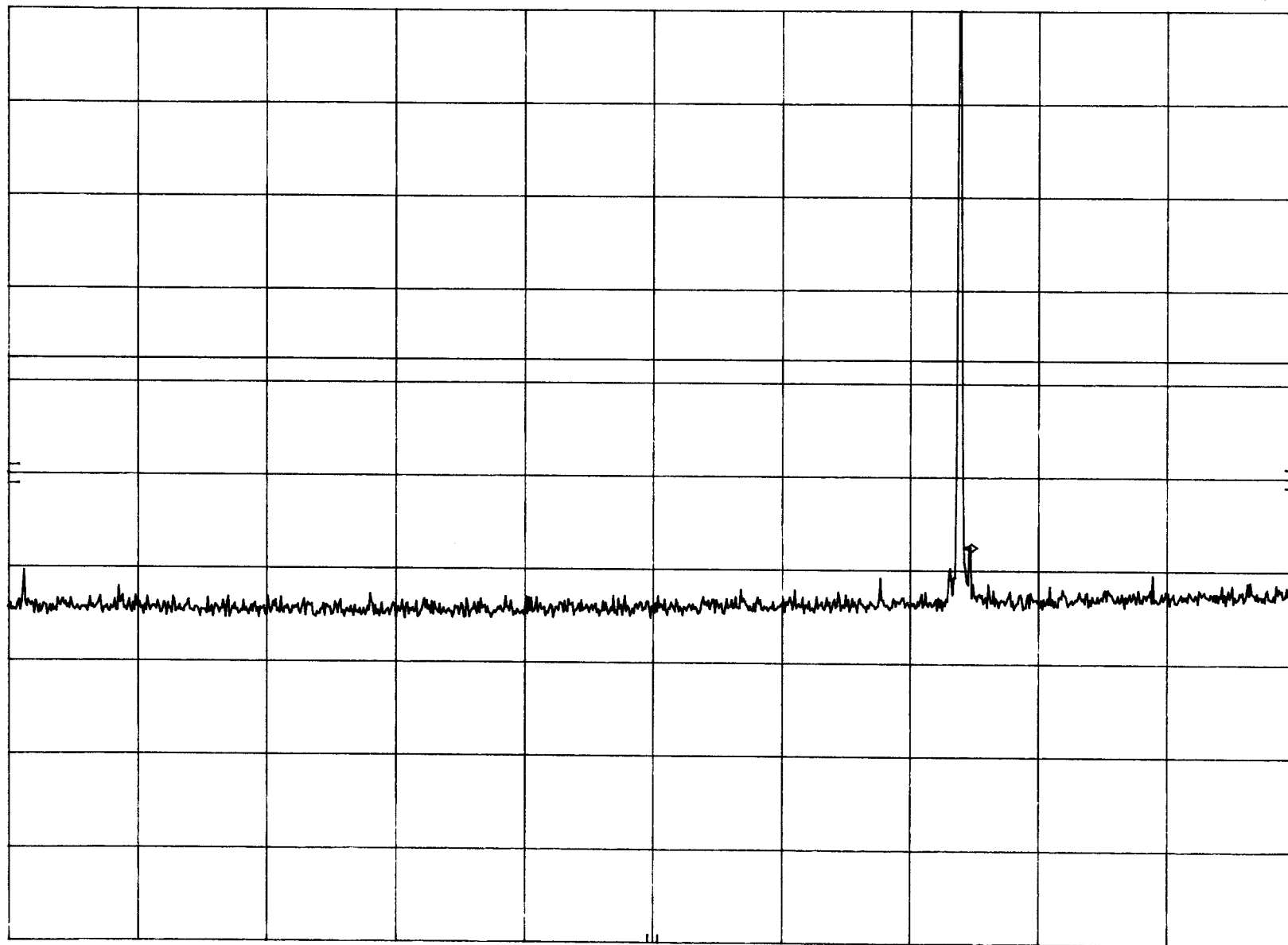
0.4

dB

DL

-13.0

dBm



START 10 MHz

RES BW 1 MHz

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

FCC ID A3LSCHT300 PCS COND SPURS Ch. 0025 MKR 6.693 GHz
REF 24.5 dBm ATTEN 40 dB -31.40 dBm

hp

10 dB/

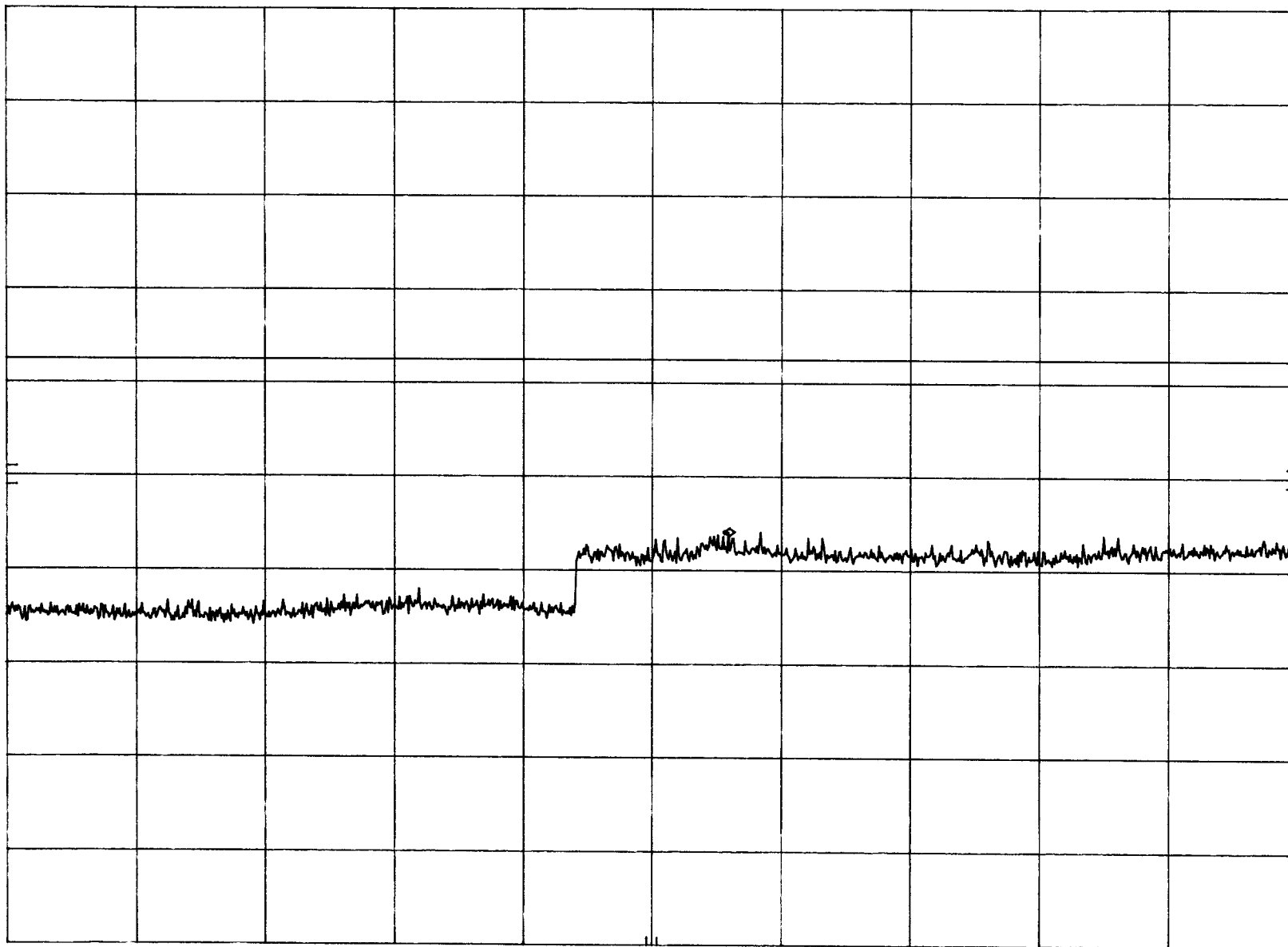
POS PK

OFFSET

0.4
dB

DL

-13.0
dBm



START 2.50 GHz

RES BW 1 MHz

VBW 1 MHz

STOP 10.00 GHz
SWP 188 msec

FCC ID A3LSCHT300 POWER OUT PCS Ch. 0025

REF 24.5 dBm ATTN 40 dB

hp

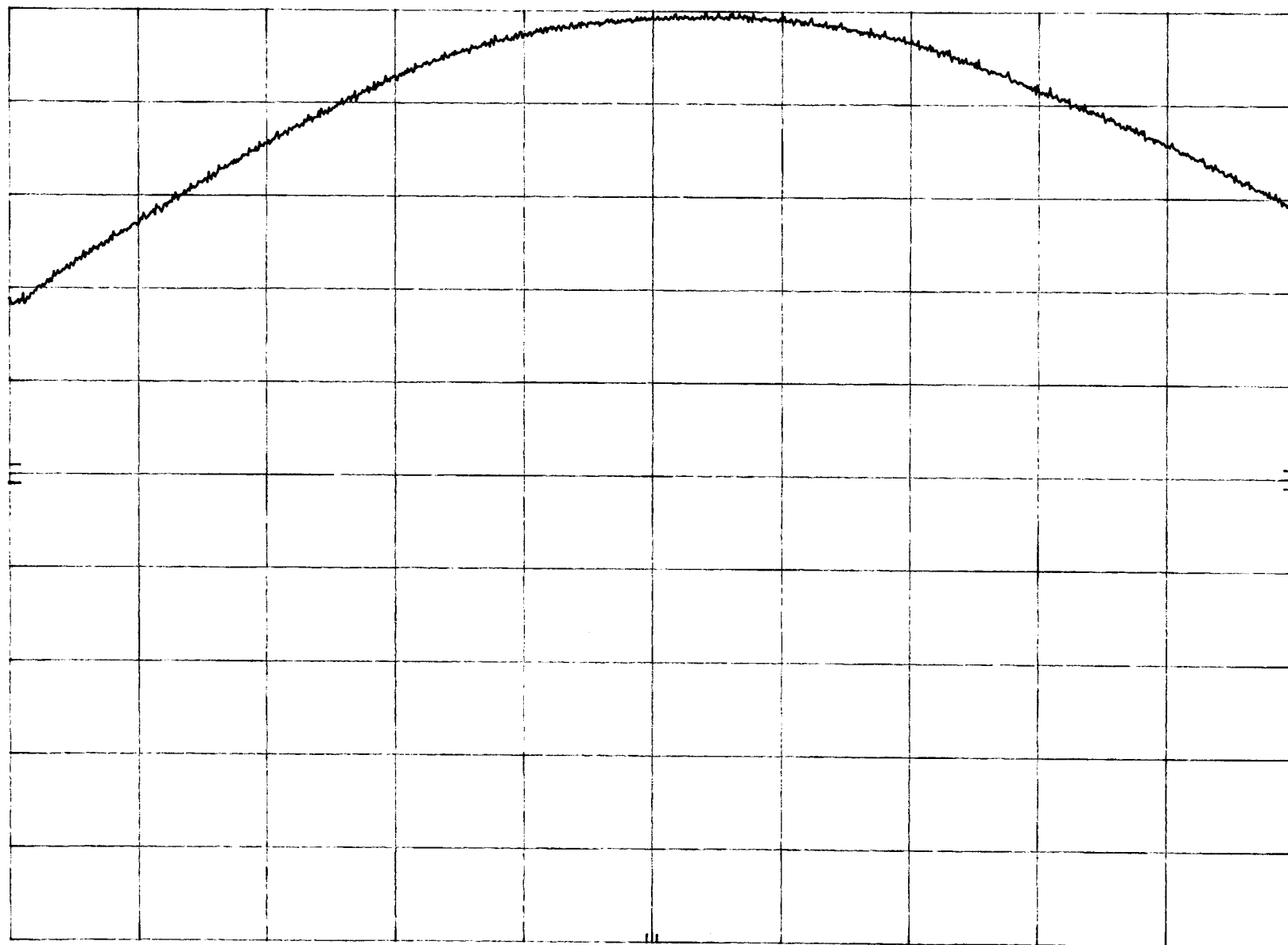
10 dB/

POS PK

OFFSET

0.4

dB



CENTER 1.851 0 GHz

RES BW 3 MHz

VBW 3 MHz

SPAN 10.0 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 CDMA POWER OUT PCS Ch. 0600

REF 24.5 dBm ATTEN 40 dB

hp

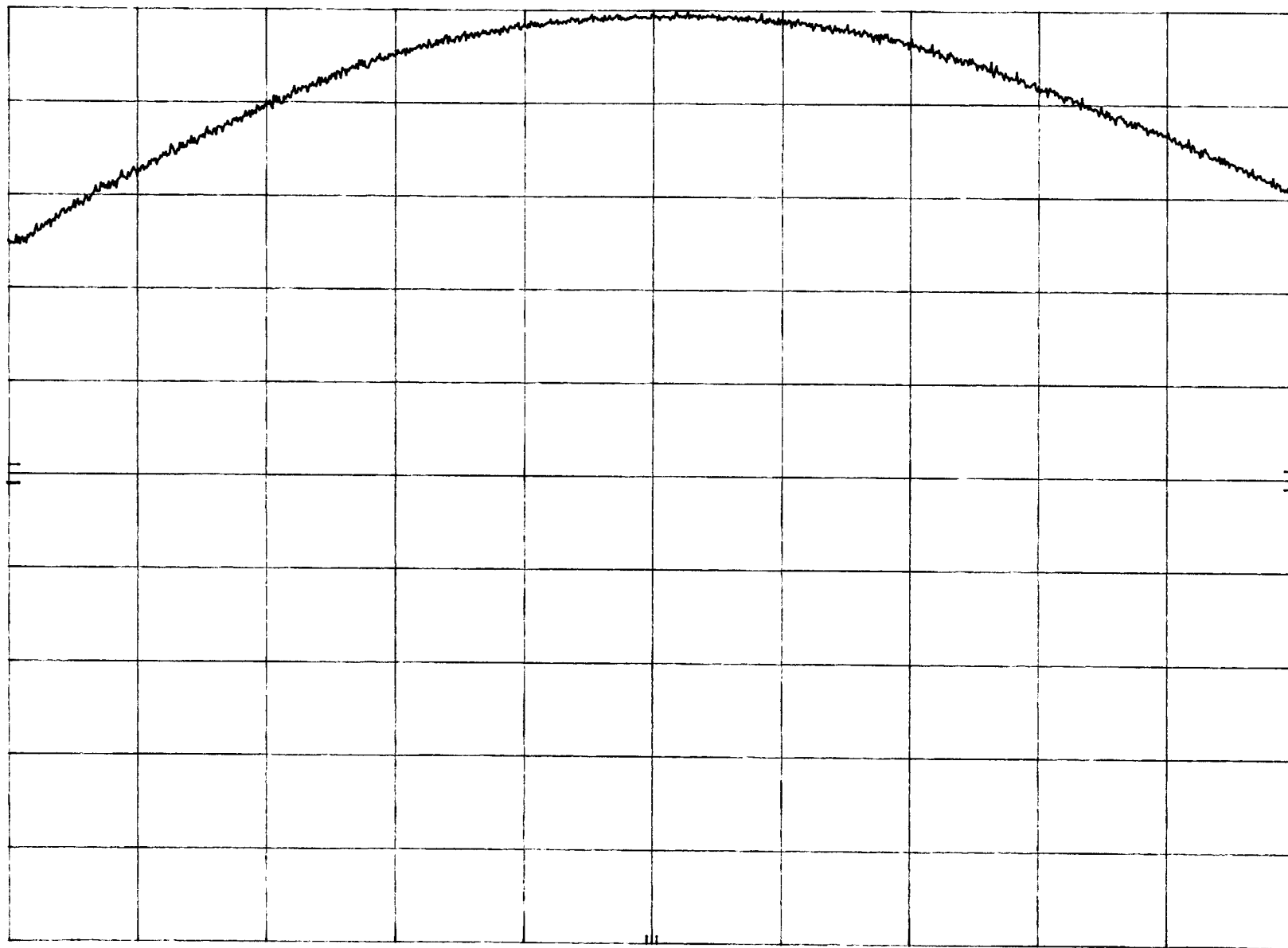
10 dB/

POS PK

OFFSET

0.4

dB



CENTER 1.880 0 GHz

RES BW 3 MHz

VBW 3 MHz

SPAN 10.0 MHz
SWP 20.0 msec

FCC ID A3LSCHT300 POWER OUT PCS Ch. 1175

hp REF 24.5 dBm ATTEN 40 dB

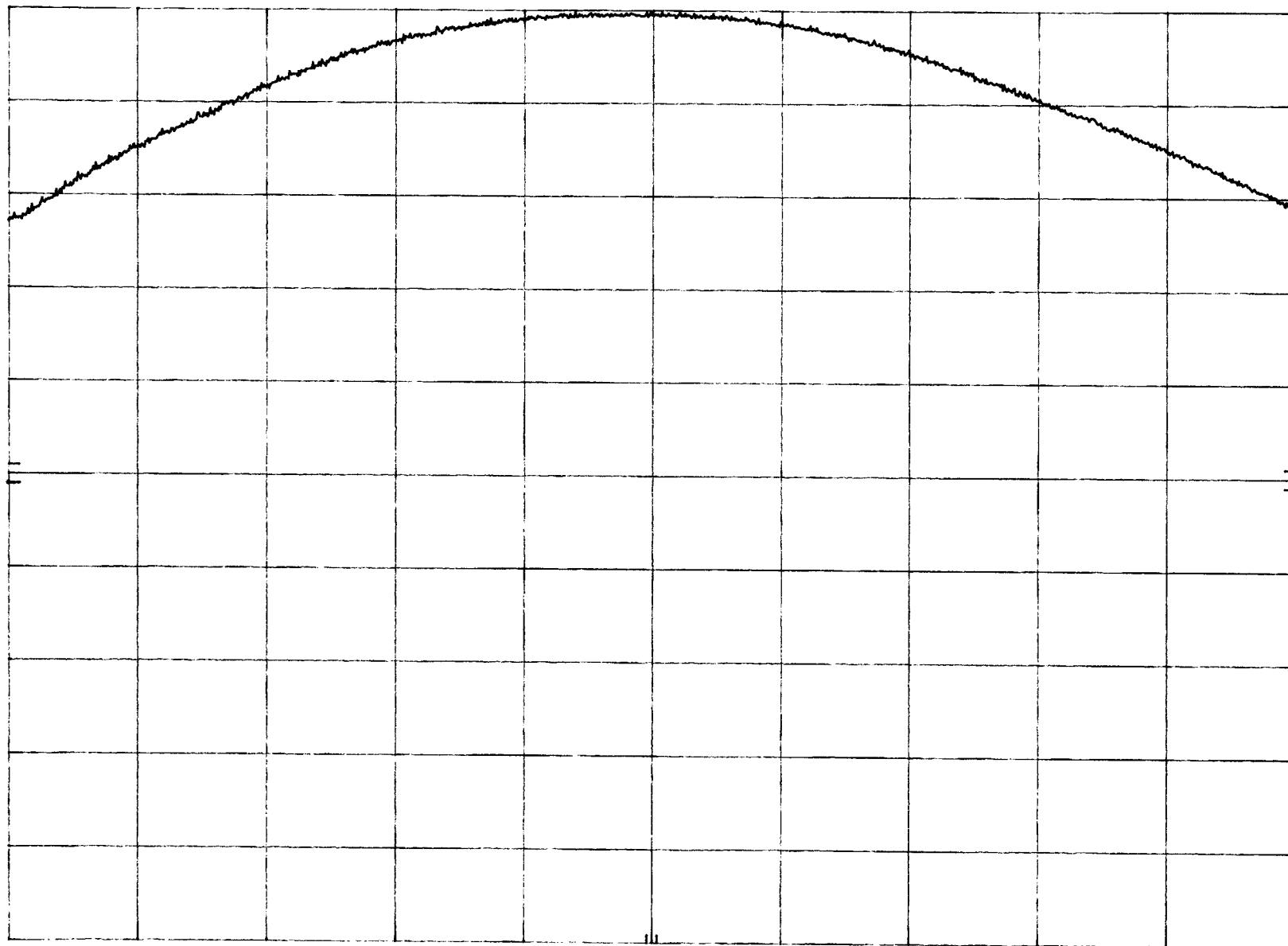
10 dB/

POS PK

OFFSET

0.4

dB



CENTER 1.909 0 GHz

RES BW 3 MHz

VBW 3 MHz

SPAN 10.0 MHz

SWP 20.0 msec

* Agilent 18:37:33 Nov 7, 2000

FCC ID: A3LSCHT300 POWER OUT PCS Ch. 0600

Ref 24.5 dBm Atten 35 dB

Samp

Log

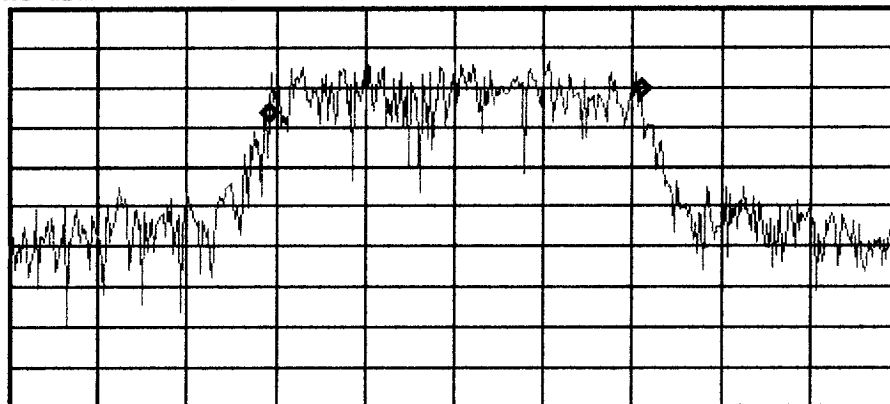
10

dB/

Offst

0.4

dB



Center 1.88 GHz

Span 3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Sweep 9.167 ms (401 pts)

Occupied Bandwidth Results (idle)

Occupied Bandwidth

Occ BW % Pwr 99.00 %

1.252 MHz

Transmit Freq Error 1.654 kHz

Freq/Channel

Center Freq

1.88000000 GHz

Start Freq

1.87850000 GHz

Stop Freq

1.88150000 GHz

CF Step

300.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

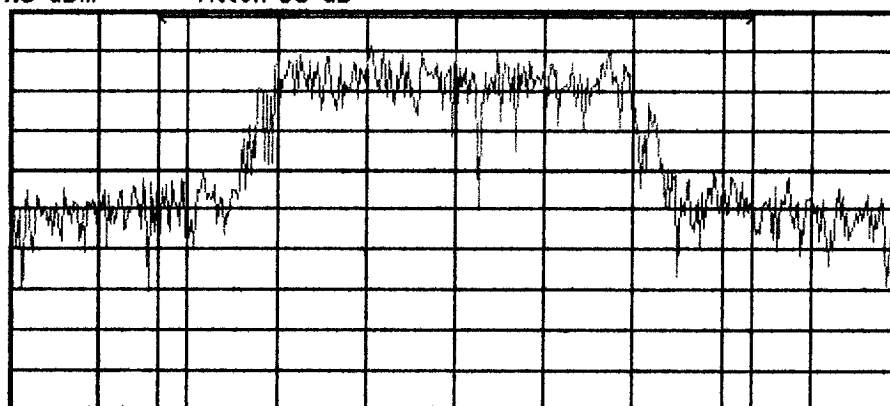
Off

* Agilent 18:44:08 Nov 7, 2000

FCC ID: A3LSCHT300 POWER OUT PCS Ch. 0025

Ref 24.5 dBm Atten 35 dB

Samp
Log
10
dB/
Offst
0.4
dB



Center 1.851 GHz

Span 3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Sweep 9.167 ms (401 pts)

Channel Power Results (idle)

Channel Power

Integration BW 2.000 MHz

24.50 dBm

Density -38.51 dBm/Hz

Freq/Channel

Center Freq

1.85126300 GHz

Start Freq

1.84976300 GHz

Stop Freq

1.85276300 GHz

CF Step

300.000000 kHz

Auto

Man

Freq Offset

0.00000000 Hz

Signal Track

On

Off

FCC ID A3LSCHT300 BAND EDGE PCS Ch.1175 MKR 1.912 495 GHz
REF 24.5 dBm ATTN 40 dB -49.30 dBm

hp

10 dB/

POS PK

OFFSET

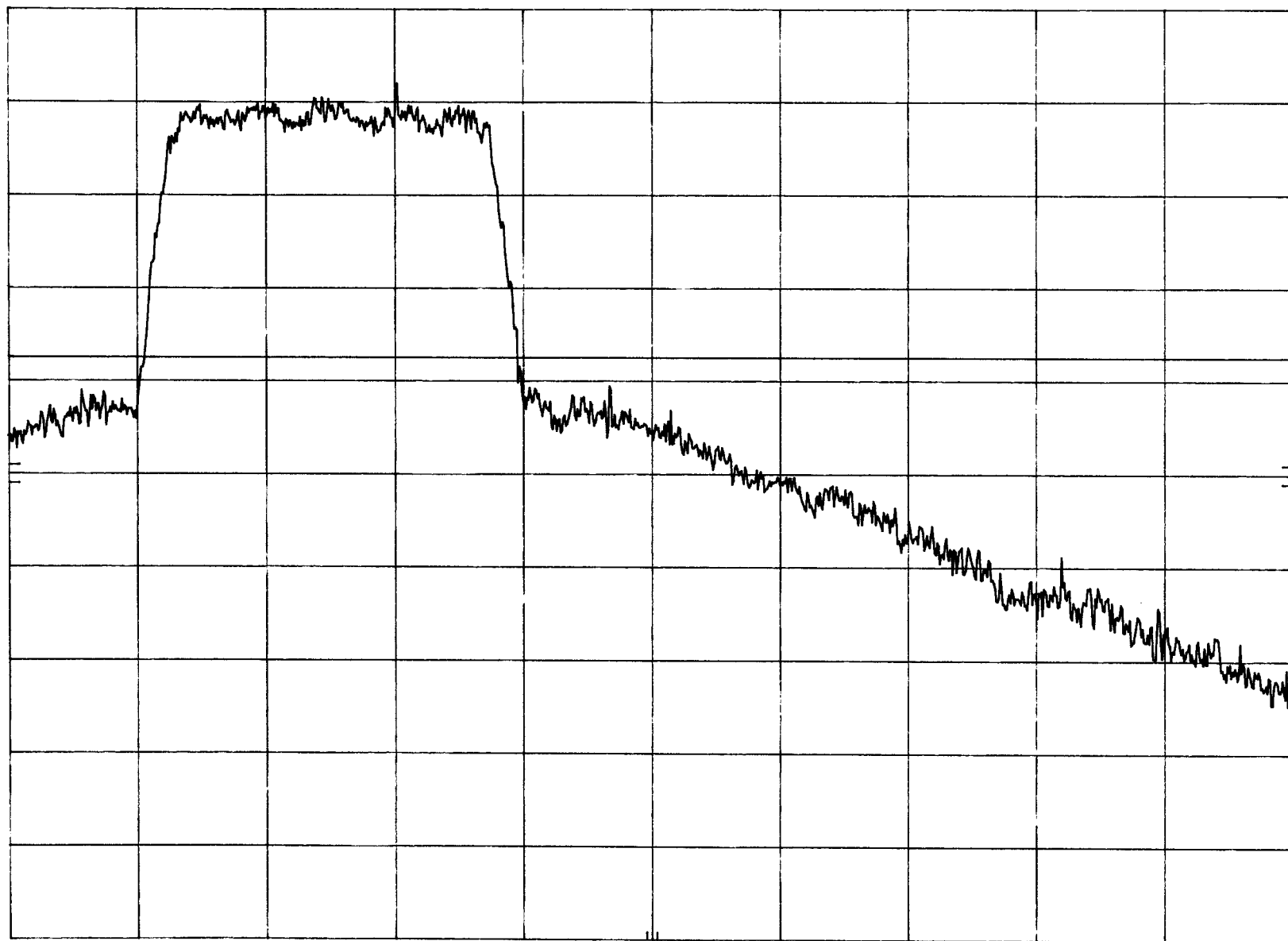
0.4

dB

DL

-13.0

dBm



CENTER 1.910 00 GHz

RES BW 30 kHz

VBW 30 kHz

SPAN 5.00 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 BAND EDGE PCS Ch.1175 MKR 1.912 513 GHz
REF 24.5 dBm ATTEN 40 dB -15.60 dBm

hp

10 dB/

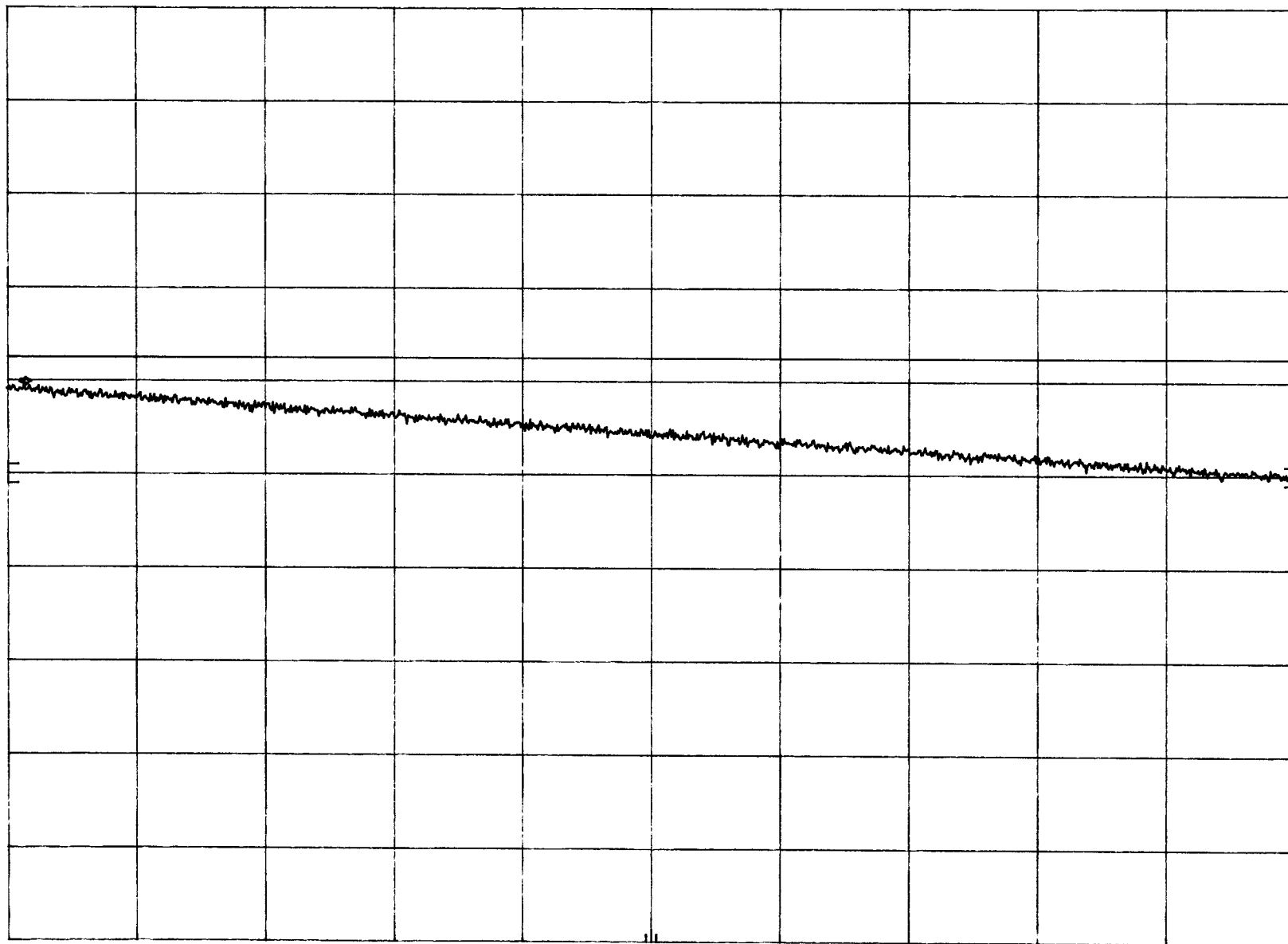
POS PK

OFFSET

0.4
dB

DL

-13.0
dBm



CENTER 1.913 00 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 1.00 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 BAND EDGE PCS Ch.1175 MKR 1.913 503 GHz
REF 24.5 dBm ATTN 40 dB -25.10 dBm

hp

10 dB/

POS PK

OFFSET

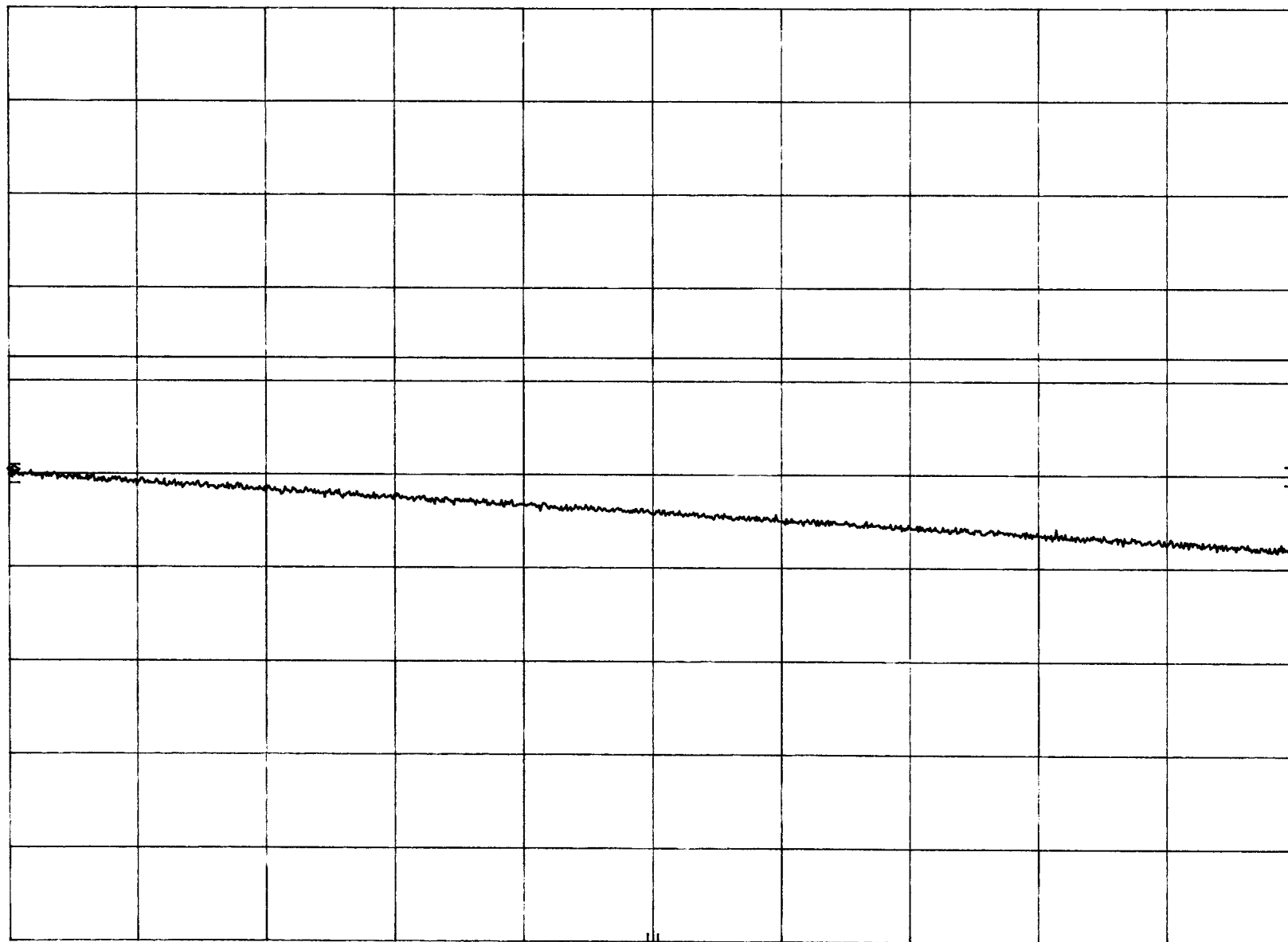
0.4

dB

DL

-13.0

dBm



CENTER 1.914 00 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 1.00 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 BAND EDGE PCS Ch.1175 MKR 1.914 636 GHz
REF 24.5 dBm ATTEN 40 dB -31.70 dBm

hp

10 dB/

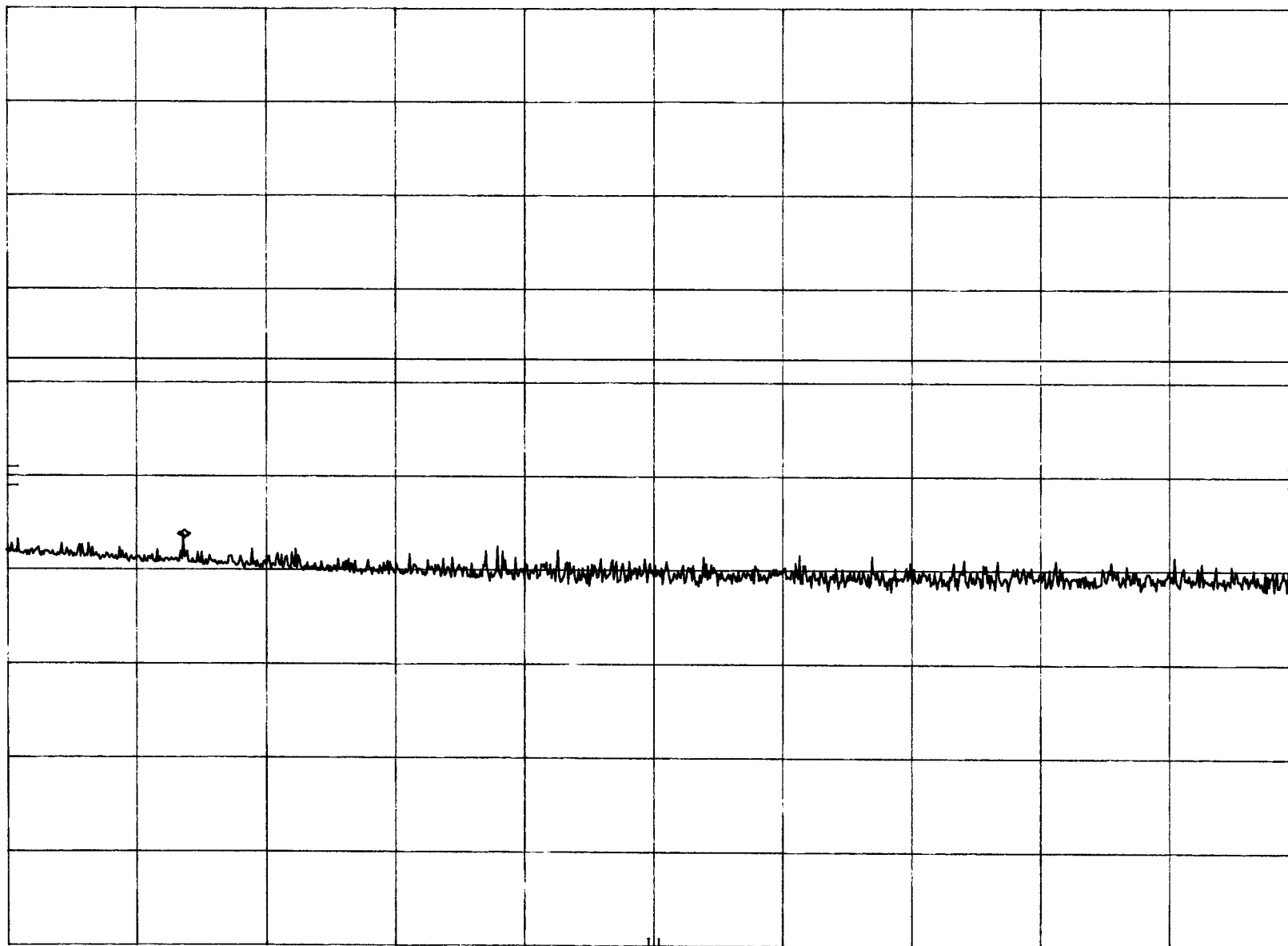
POS PK

OFFSET

0.4
dB

DL

-13.0
dBm



CENTER 1.915 00 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 1.00 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 BAND EDGE PCS Ch.1175 MKR 1.915 712 GHz

hp

REF 24.5 dBm ATTEN 40 dB

-34.20 dBm

10 dB/

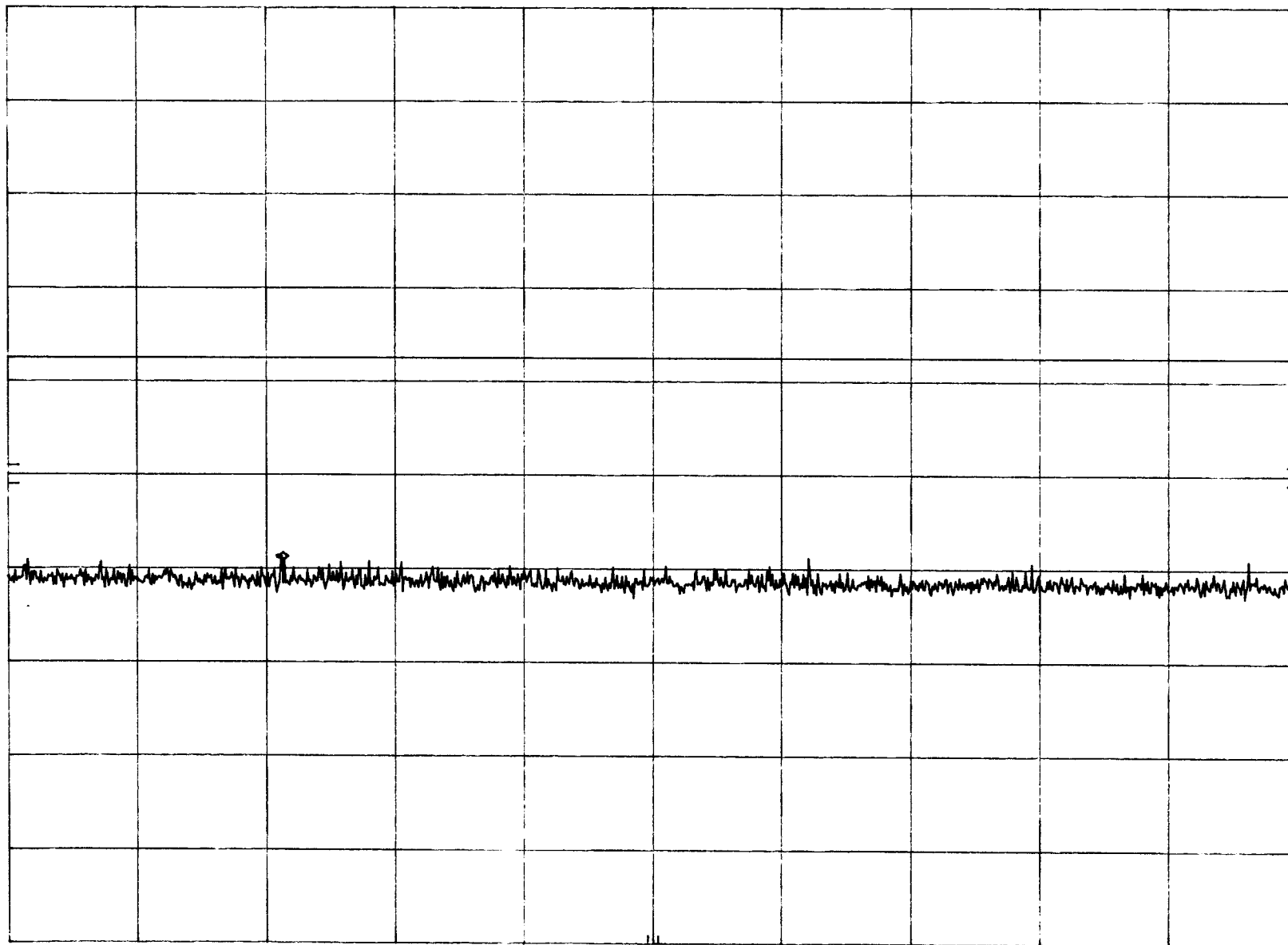
POS PK

OFFSET

0.4
dB

DL

-13.0
dBm



CENTER 1.916 00 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 1.00 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 BAND EDGE PCS Ch. 0025MKR 1.850 000 GHz

hp

REF 24.5 dBm ATTEN 40 dB

-25.50 dBm

10 dB/

POS PK

OFFSET

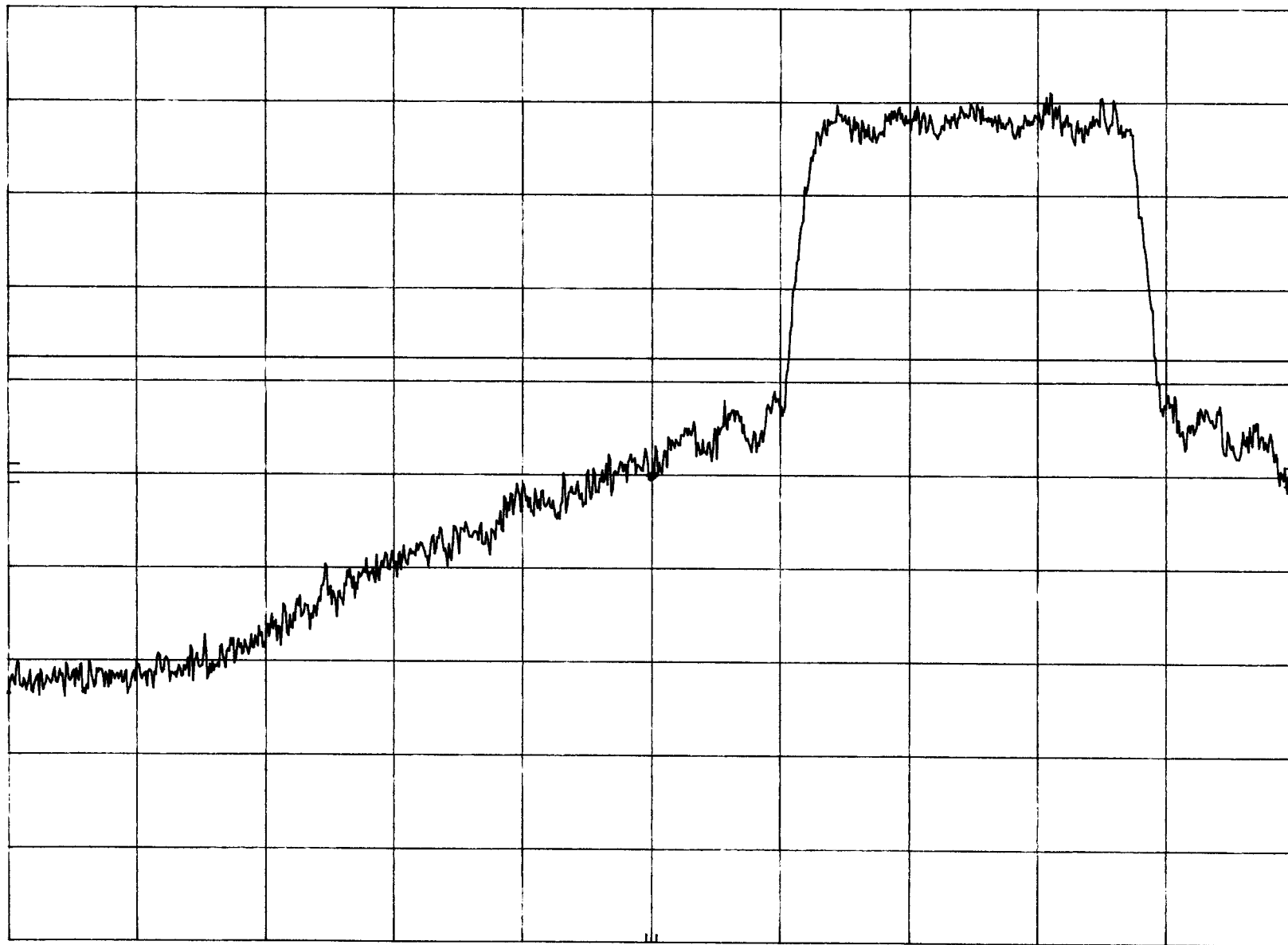
0.4

dB

DL

-13.0

dBm



CENTER 1.850 00 GHz

RES BW 30 kHz

VBW 30 kHz

SPAN 5.00 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 BAND EDGE PCS Ch. 0025MKR 1.844 437 GHz

hp REF 24.5 dBm ATTEN 40 dB -30.40 dBm

10 dB/

POS PK

OFFSET

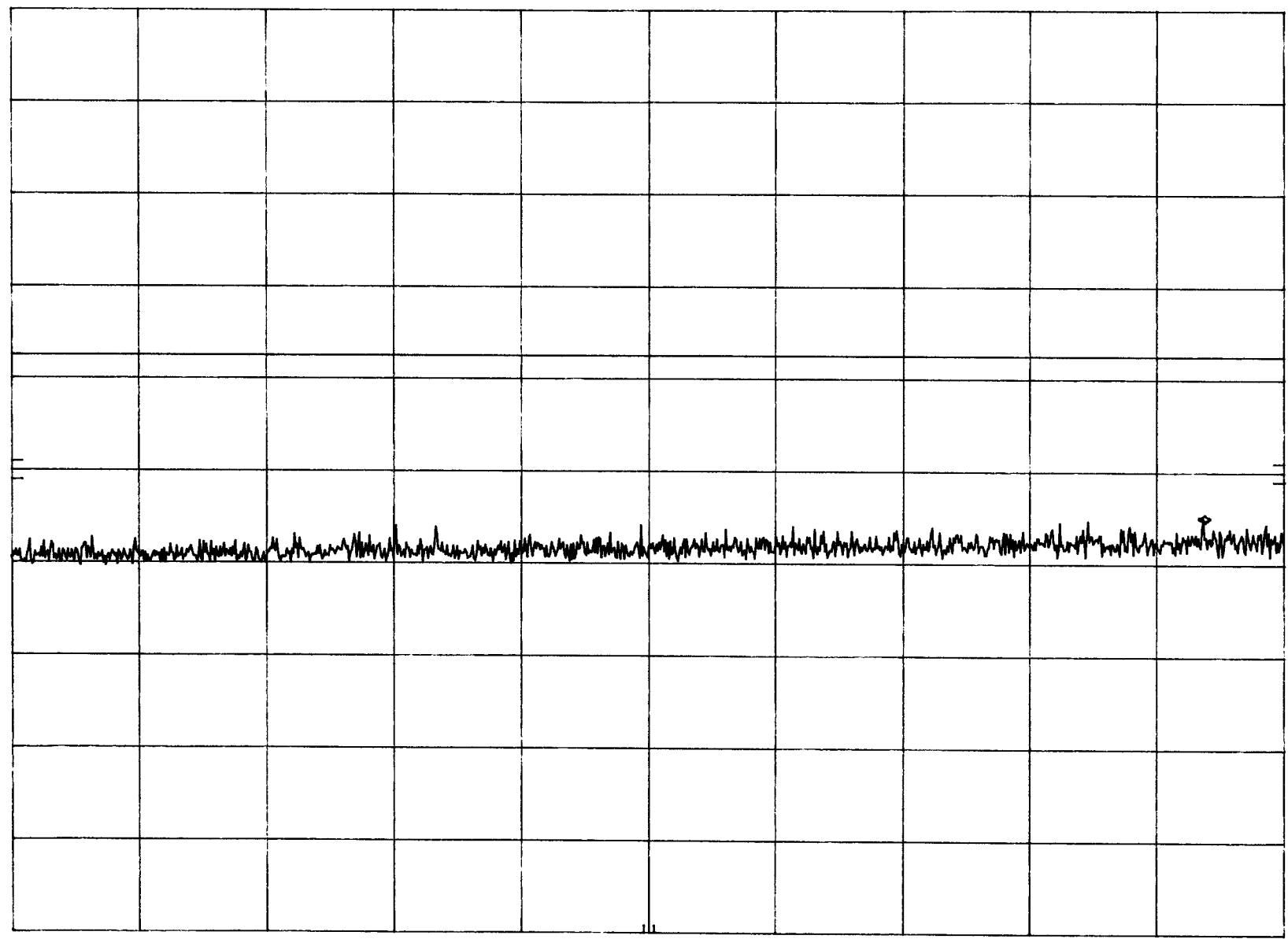
0.4

dB

DL

-13.0

dBm



CENTER 1.844 00 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 1.00 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 BAND EDGE PCS Ch. 0025MKR 1.845 214 GHz

hp

REF 24.5 dBm

ATTEN 40 dB

-28.60 dBm

10 dB/

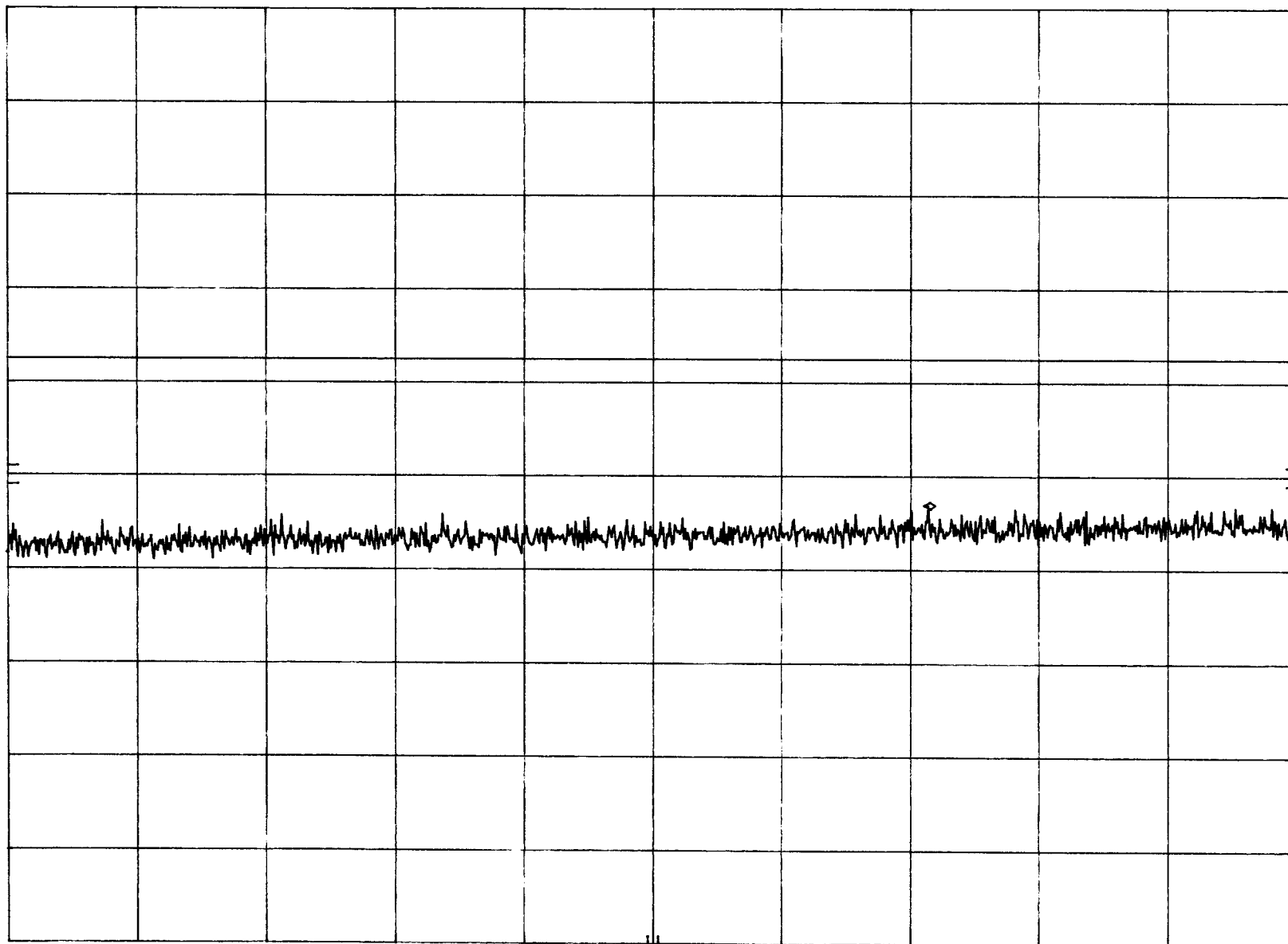
POS PK

OFFSET

0.4
dB

DL

-13.0
dBm



CENTER 1.845 00 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 1.00 MHz

SWP 20.0 msec

FCC ID A3LSCHT300 BAND EDGE PCS Ch. 0025MKR 1.846 417 GHz
REF 24.5 dBm ATTEN 40 dB -23.90 dBm

hp

10 dB/

POS PK

OFFSET

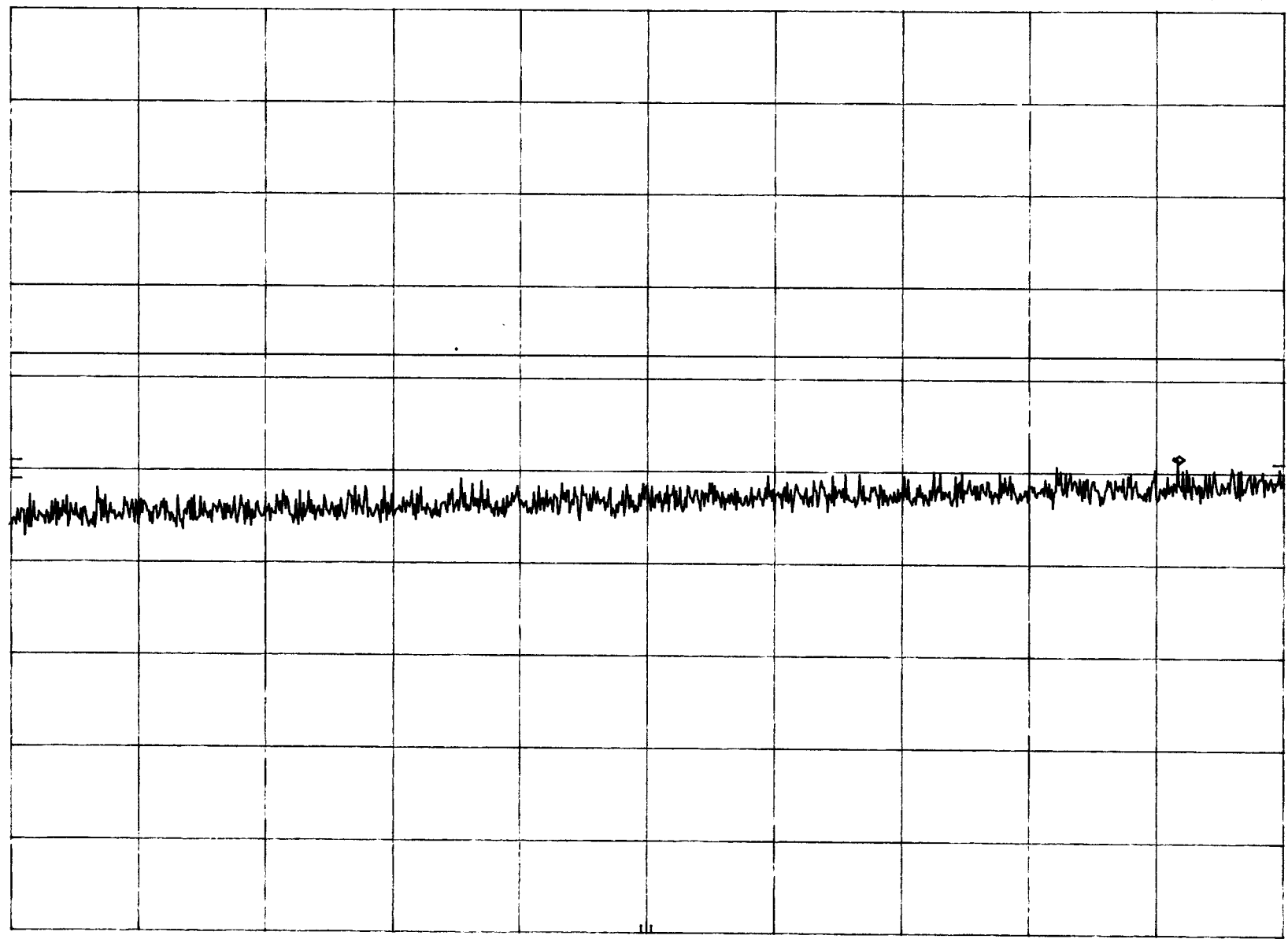
0.4

dB

DL

-13.0

dBm



CENTER 1.846 00 GHz
RES BW 1 MHz

VBW 1 MHz

SPAN 1.00 MHz
SWP 20.0 msec

FCC ID A3LSCHT300 BAND EDGE PCS Ch. 0025MKR 1.847 499 GHz
hp REF 24.5 dBm ATTN 40 dB -17.90 dBm

10 dB/

POS PK

OFFSET

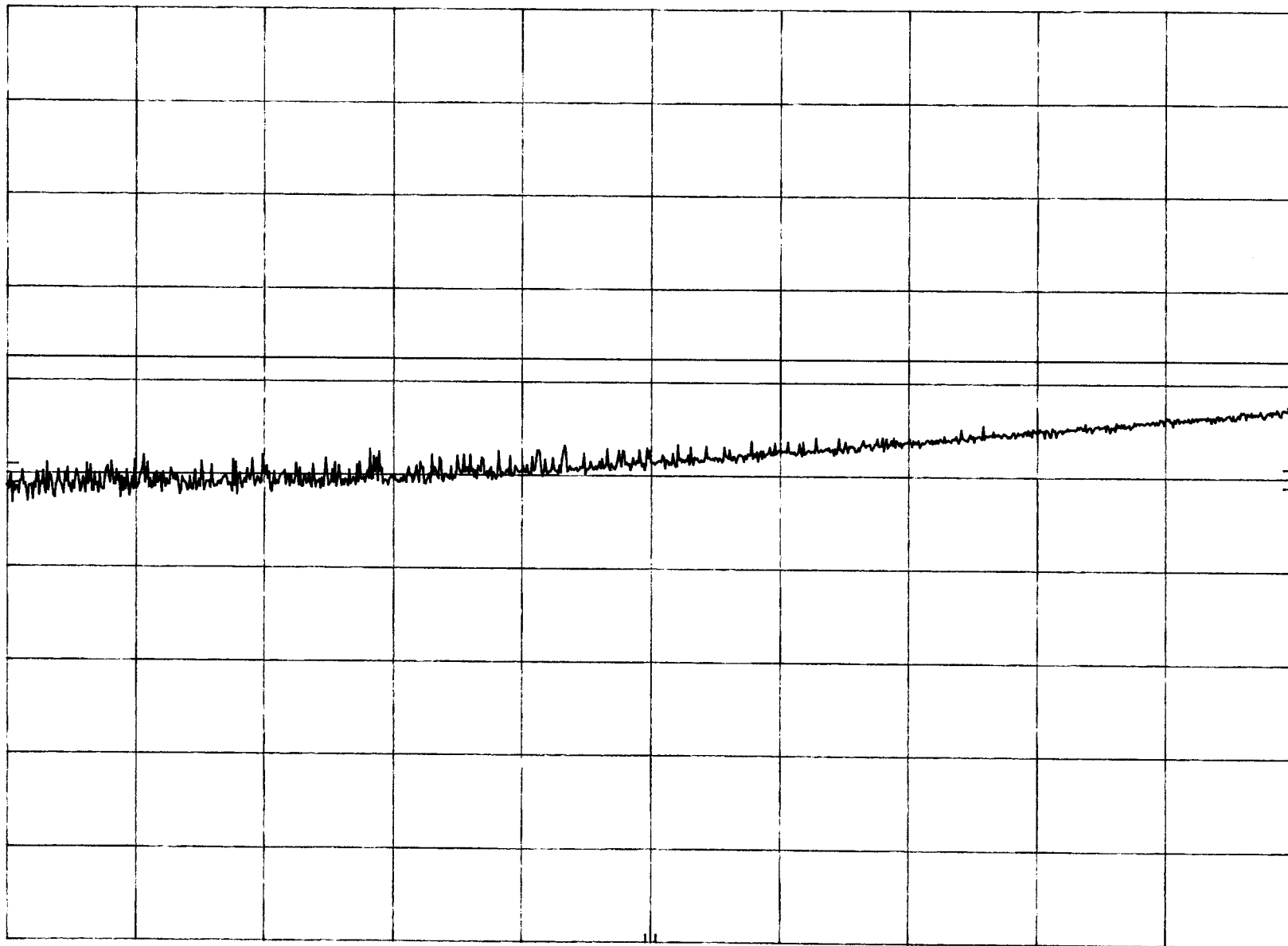
0.4

dB

DL

-13.0

dBm



CENTER 1.847 00 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 1.00 MHz

SWP 20.0 msec

PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22/24

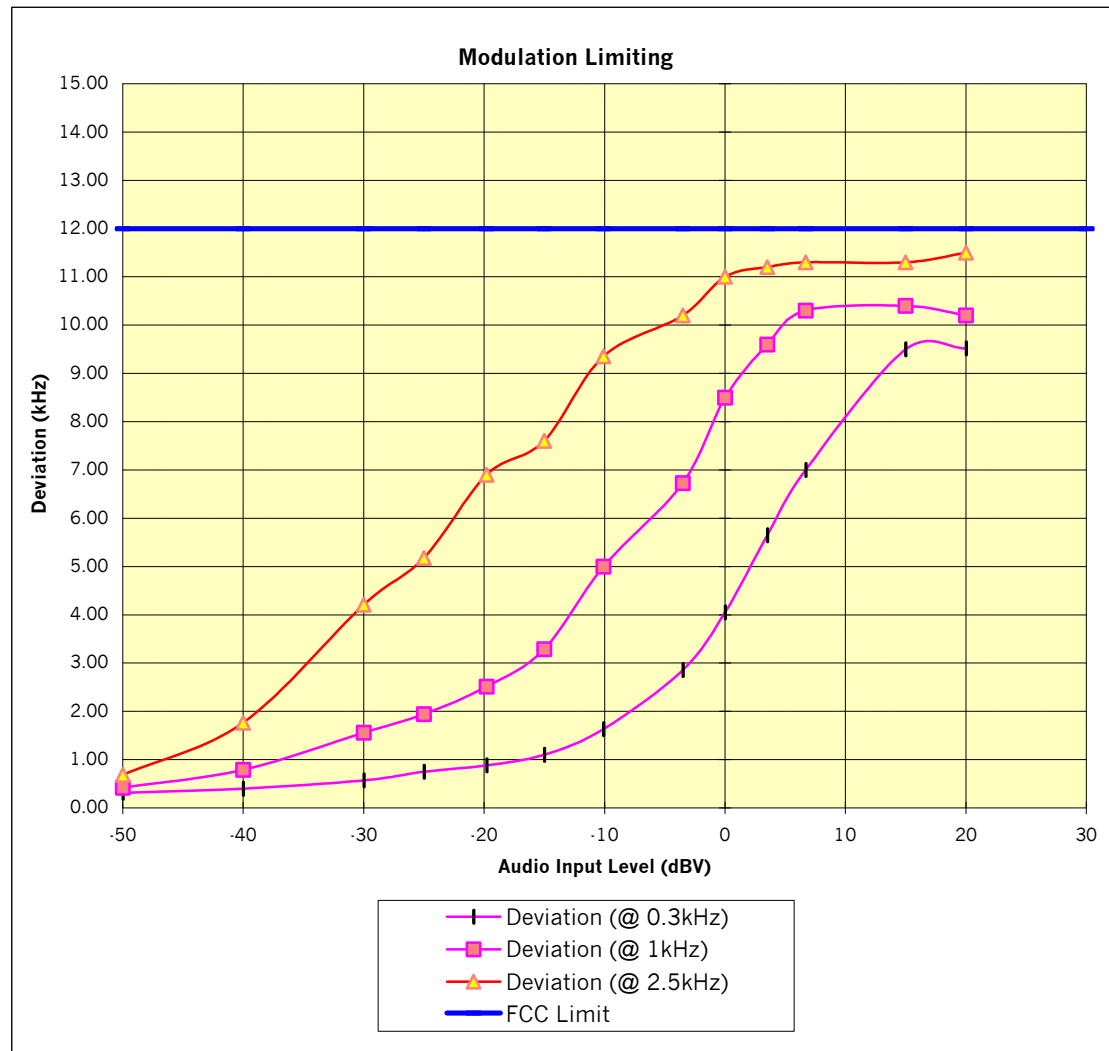
Test Report No.: 22/24.201023529.A3L
Test Date: 10.26.2000

EUT: SAMSUNG Tri-Mode Cellular Phone (AMPS/CDMA)

Model: SCH-T300

FCC ID: A3LSCHT300

MODE: Audio 1V = 0dB @ 2.5 kHz



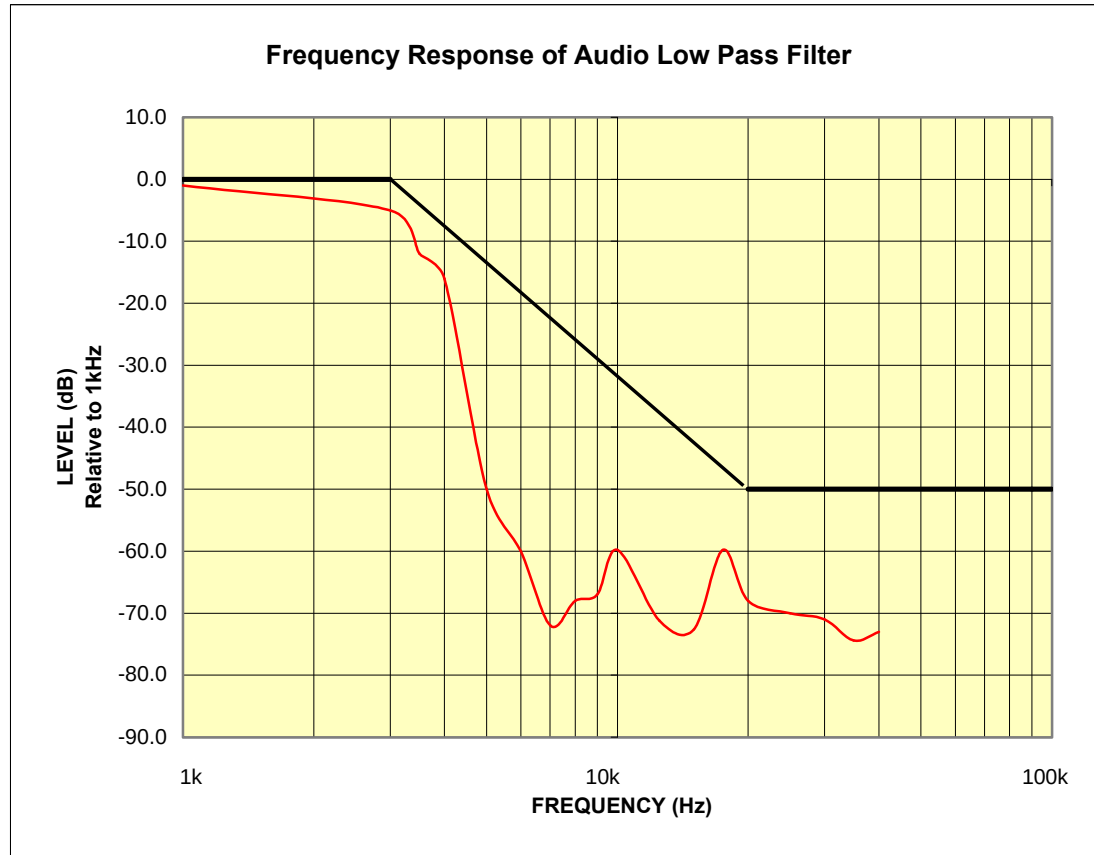
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22/24

Test Report No.: 22/24.201023529.A3L
Test Date: 10.26.2000

EUT: SAMSUNG Tri-Mode Cellular Phone (AMPS/CDMA)
Model: SCH-T300
FCC ID: A3LSCHT300

REFERENCE: 1 kHz = 0 dB



PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22/24

Test Report No.: 22/24.201023529.A3L
Test Date: 10.26.2000

EUT: SAMSUNG Tri-Mode Cellular Phone (AMPS/CDMA)
Model: SCH-T300
FCC ID: A3LSCHT300

REFERENCE: 1 kHz = 0 dB

