

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHM100

SAMSUNG Dual-Band Phone

FM Mode

Channel 0363

Operating Frequency: 835.890 MHz

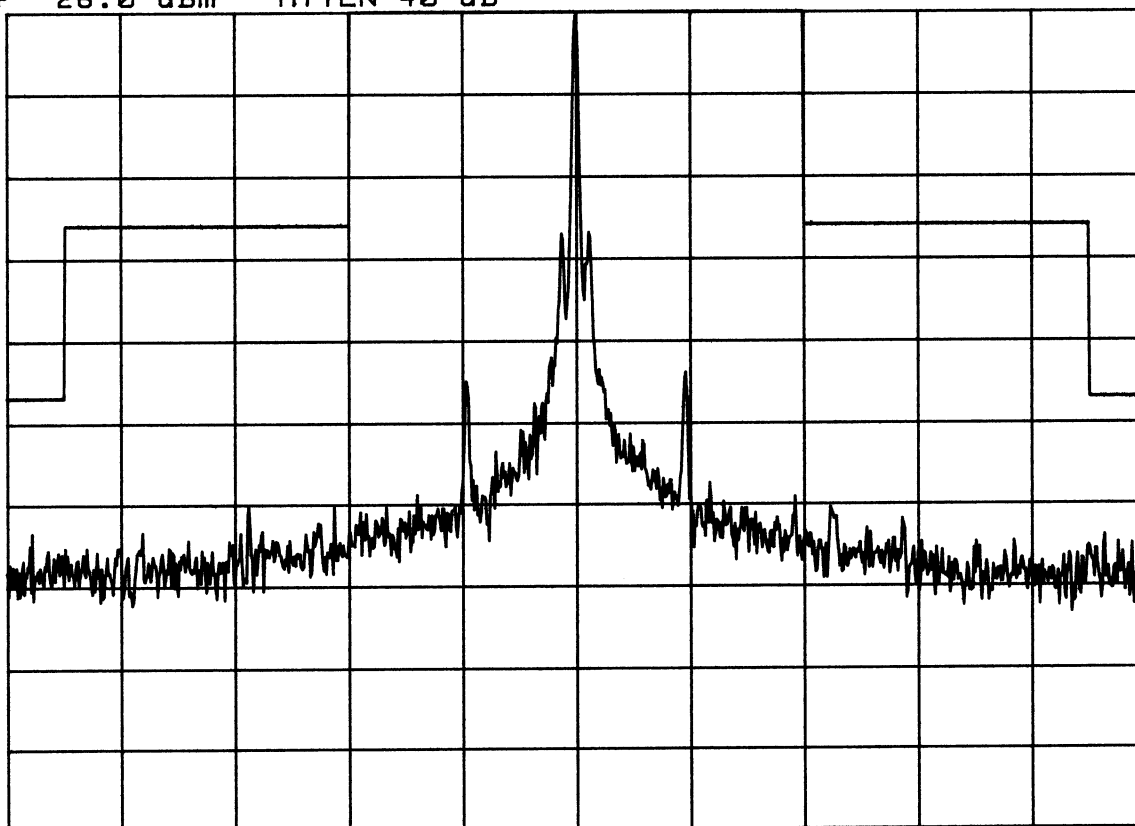
Output Power : 26.0 dBm

Test Mode:Unmodulated Signal

FCC ID A3LSPHM100 COND SPURS FM Ch 0799
REF 26.0 dBm ATTEN 40 dB

10 dB/

POS PK



CENTER 835.890 MHz

RES BW 300 Hz (1) VBW 300 Hz

SPAN 100 kHz
SWP 7.50 sec

SPECTRUM ANALYZER PRESENTATION

Output Power : 26.0 dBm

SPAN 100 kHz
SWP 7.50 sec

PCTEST Engineering Lab.

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FCC ID:A3LSPHM100

SAMSUNG Dual-Band Phone

FM Mode

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Operating Frequency: 835.890 MHz

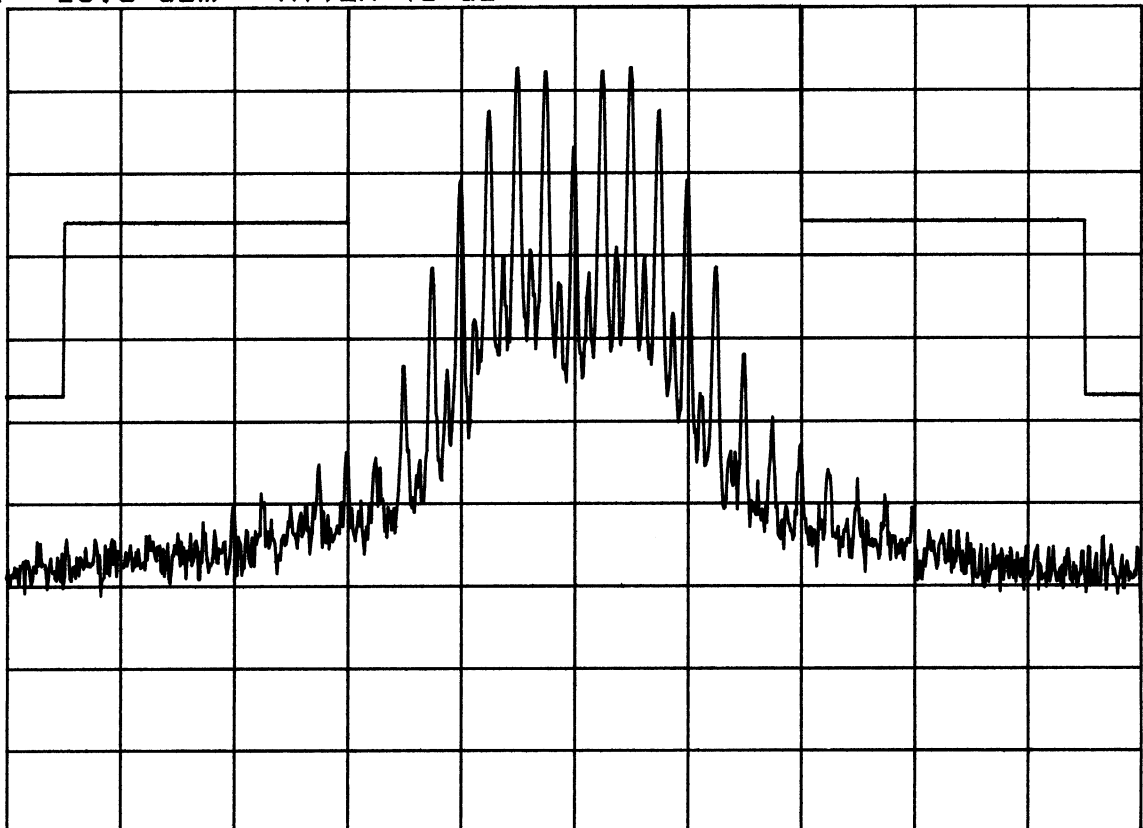
Output Power : 26.0 dBm

Test Mode:Voice

FCC ID A3LSPHM100 COND SPURS FM Ch 0799
REF 26.0 dBm ATTEN 40 dB

10 dB/

POS PK



CENTER 835.890 MHz

RES BW 300 Hz(1) VBW 300 Hz

SPAN 100 kHz
SWP 7.50 sec

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHM100

SAMSUNG Dual-Band Phone

FM Mode

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Operating Frequency: 835.890 MHz

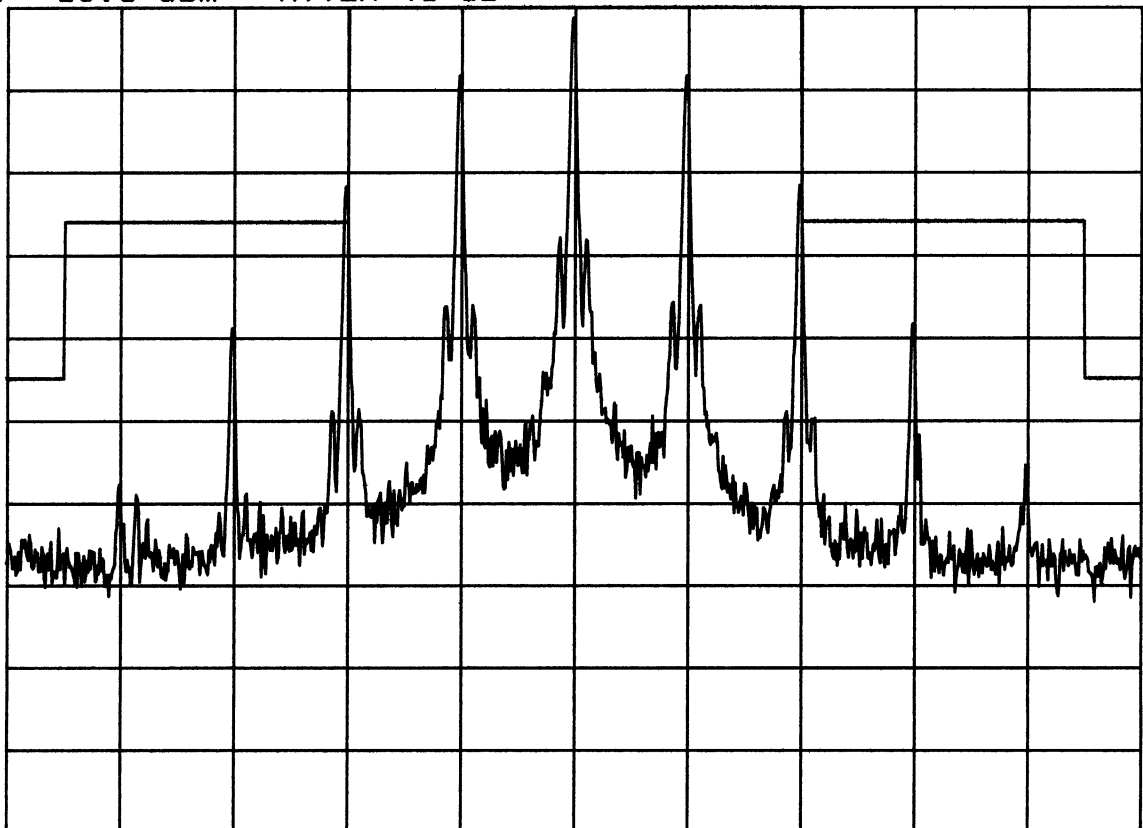
Output Power : 26.0 dBm

Test Mode:ST

FCC ID A3LSPHM100 COND SPURS FM Ch 0799
REF 26.0 dBm ATTEN 40 dB

10 dB/

POS PK



CENTER 835.890 MHz

RES BW 300 Hz(1) VBW 300 Hz

SPAN 100 kHz

SWP 7.50 sec

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHM100

SAMSUNG Dual-Band Phone

FM Mode

Channel 0363

Operating Frequency: 835.890 MHz

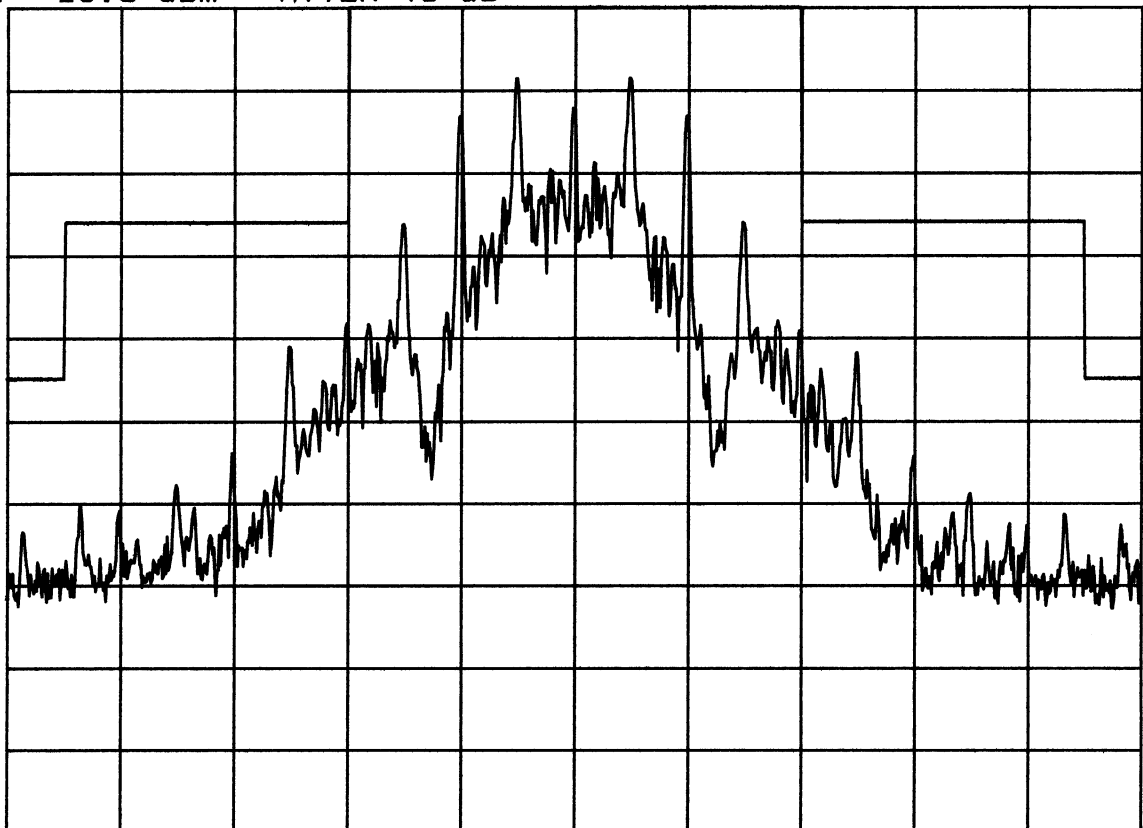
Output Power : 26.0 dBm

Test Mode:Wide Band Data

FCC ID A3LSPHM100 COND SPURS FM Ch 0799
REF 26.0 dBm ATTEN 40 dB

10 dB/

POS PK



CENTER 835.890 MHz

RES BW 300 Hz(1) VBW 300 Hz

SPAN 100 kHz
SWP 7.50 sec

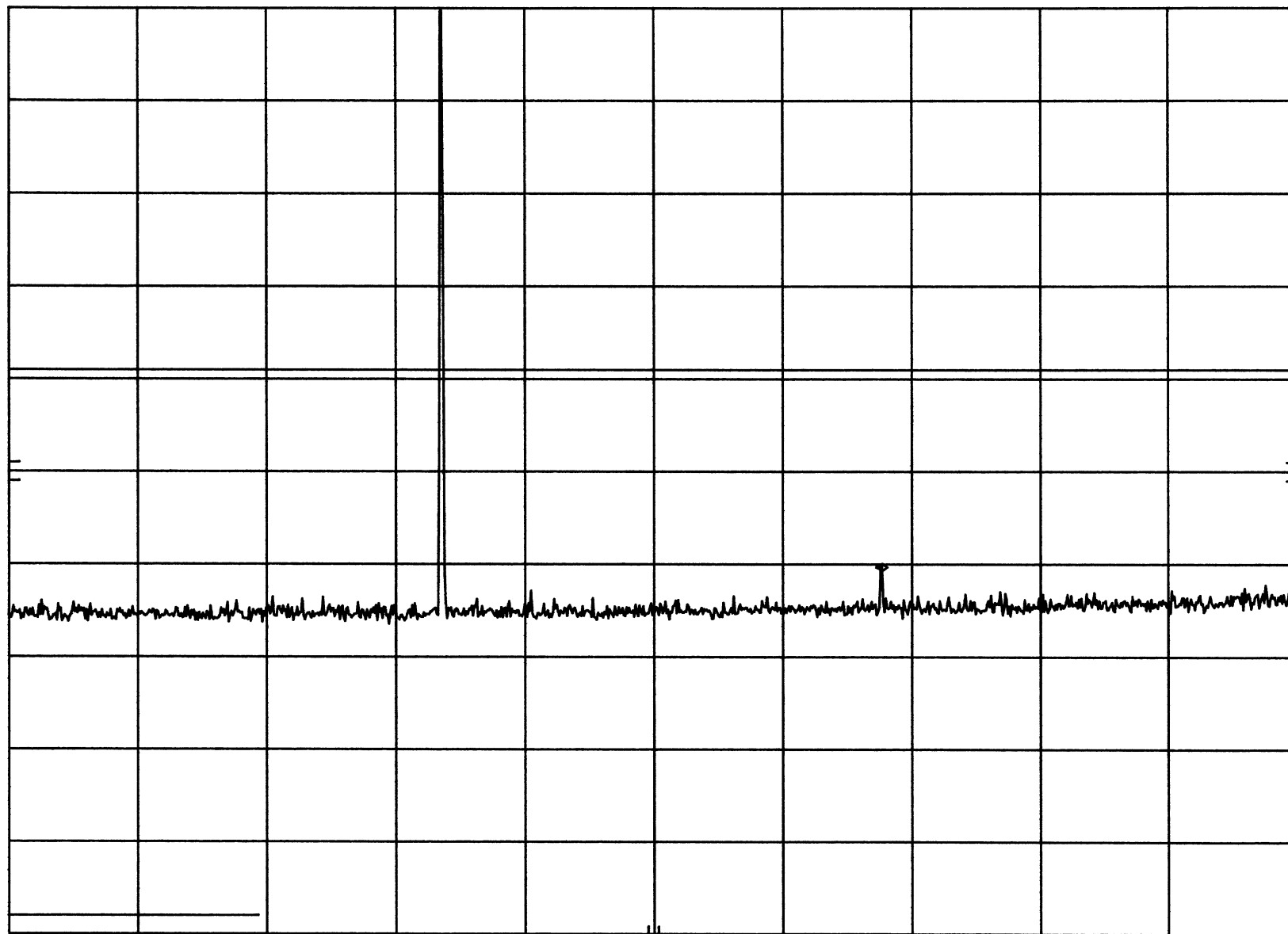
FCC ID A3LSPHM100 COND SPURS FM Ch 0799 MKR 1.693 GHz
hp REF 26.0 dBm ATTN 40 dB + 20 dB -34.30 dBm

10 dB/

POS PK

OFFSET
1.4
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 A3LSPHM100 COND SPURS FM Ch 0799 MKR 6.610 GHz
REF 26.0 dBm ATTN 40 dB + 20 dB -29.20 dBm

hp

10 dB/

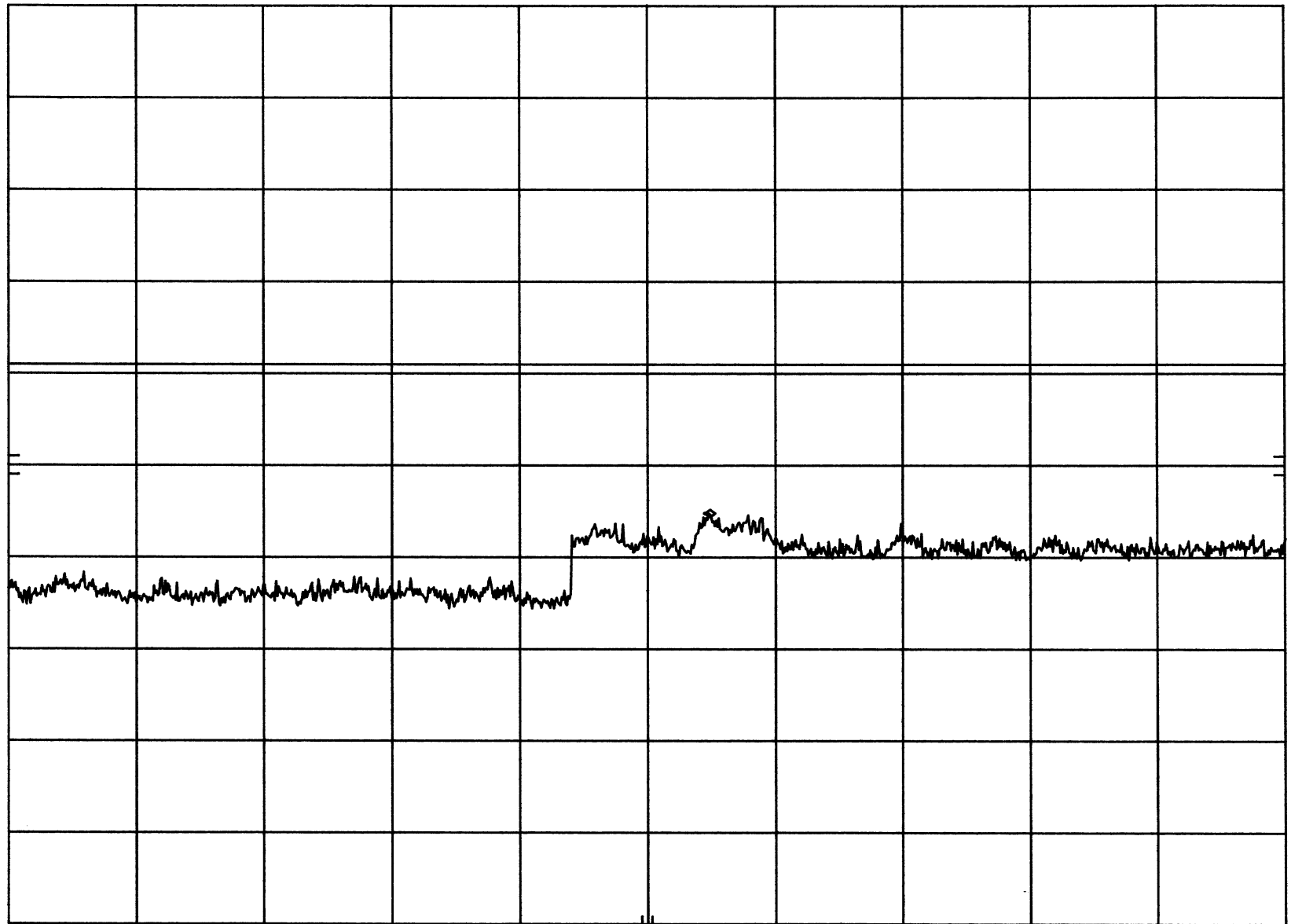
POS PK

OFFSET

1.4
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 A3LSPHM100 COND SPURS FM Ch 0363 MKR 1.668 GHz
REF 26.0 dBm ATTN 40 dB + 20 dB -34.00 dBm

hp

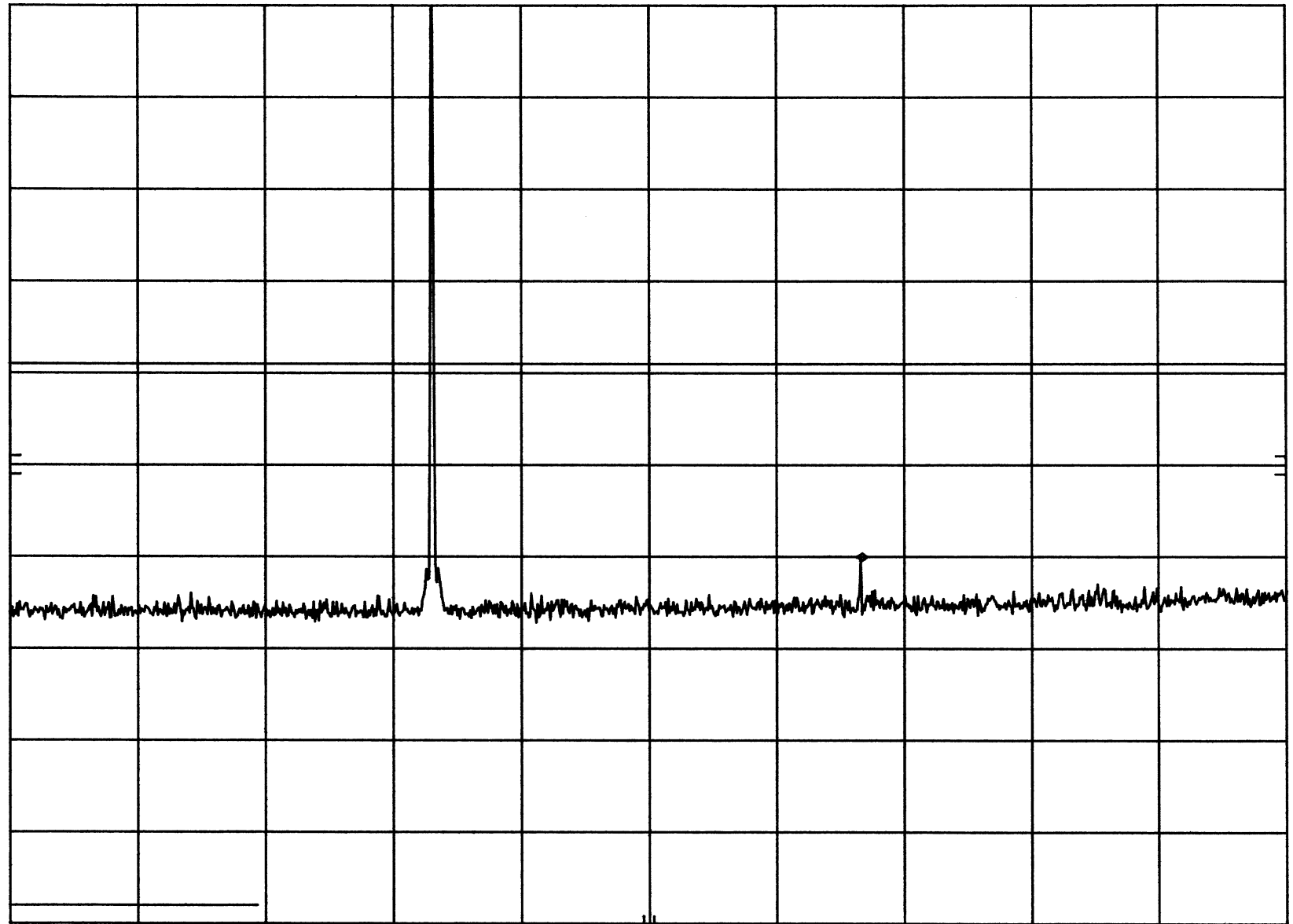
10 dB/

POS PK

OFFSET

1.4
dB

DL
-13.0
dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec

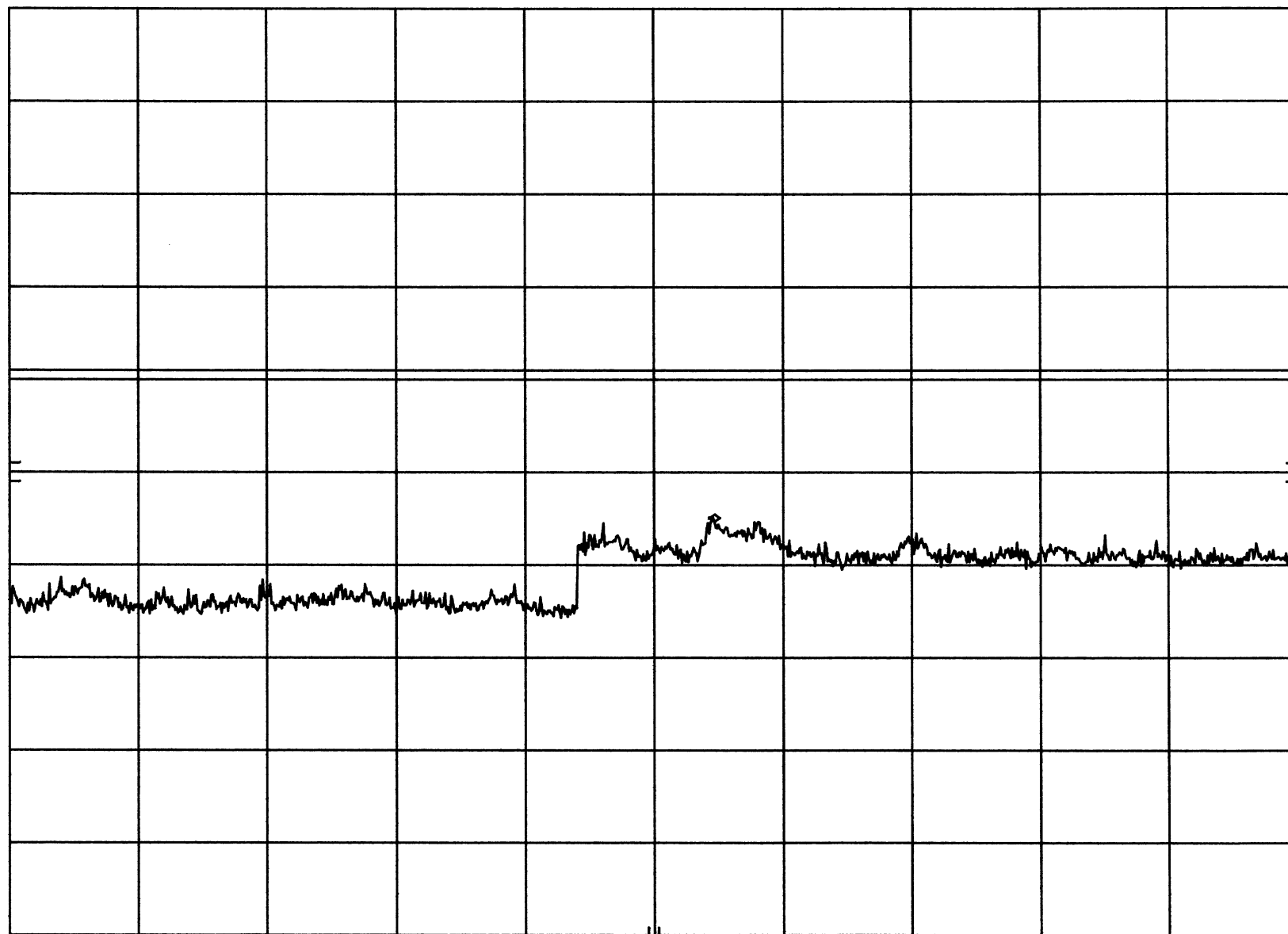
FCC ID A3LSPHM100 COND SPURS FM Ch 0363 MKR 6.595 GHz
hp REF 26.0 dBm ATTN 40 dB + 20 dB -28.90 dBm

10 dB/

POS PK

OFFSET
1.4
dB

DL
-13.0
dBm



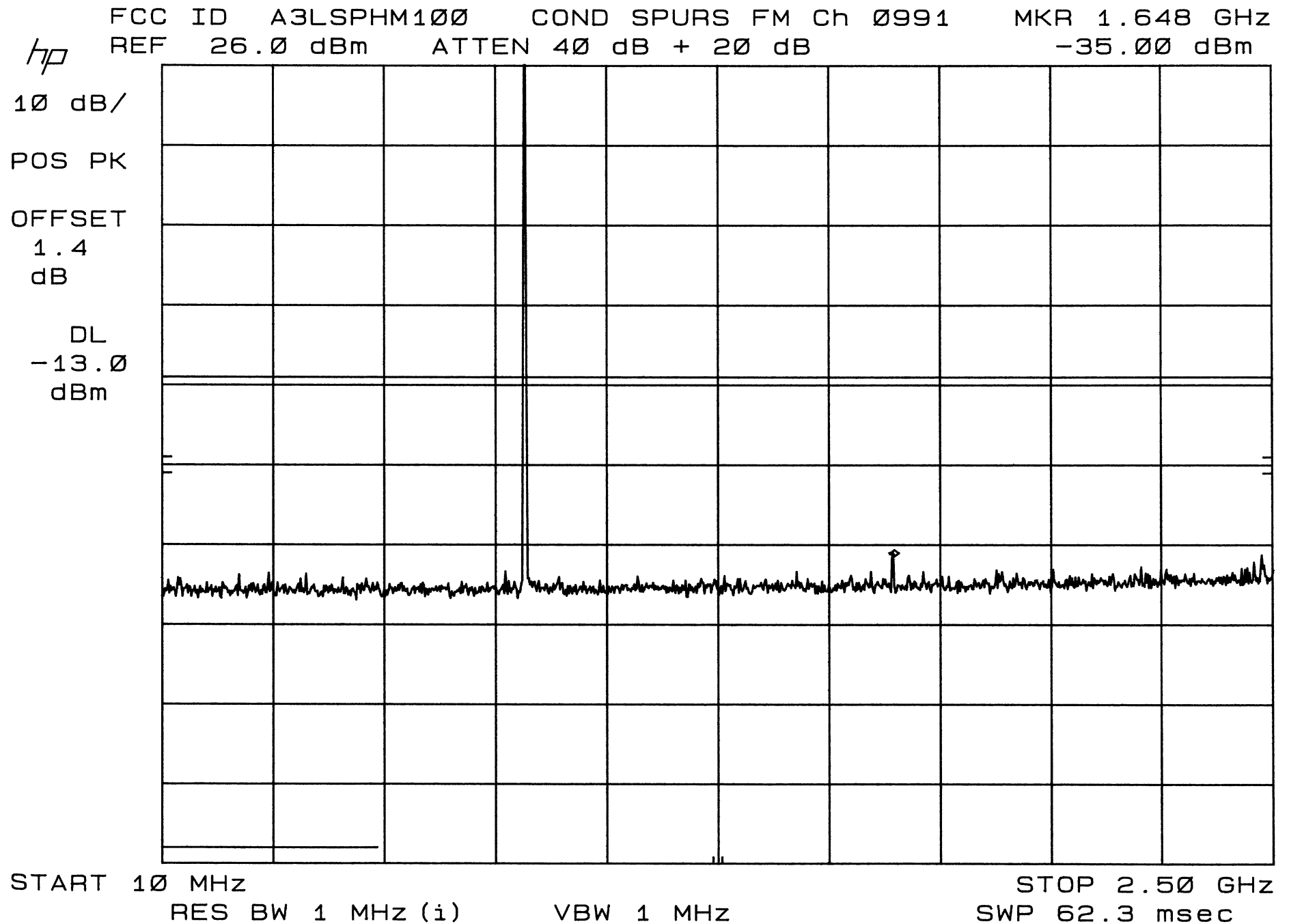
START 2.50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 10.00 GHz

SWP 188 msec



FCC ID A3LSPHM100 COND SPURS FM Ch 0991 MKR 6.625 GHz

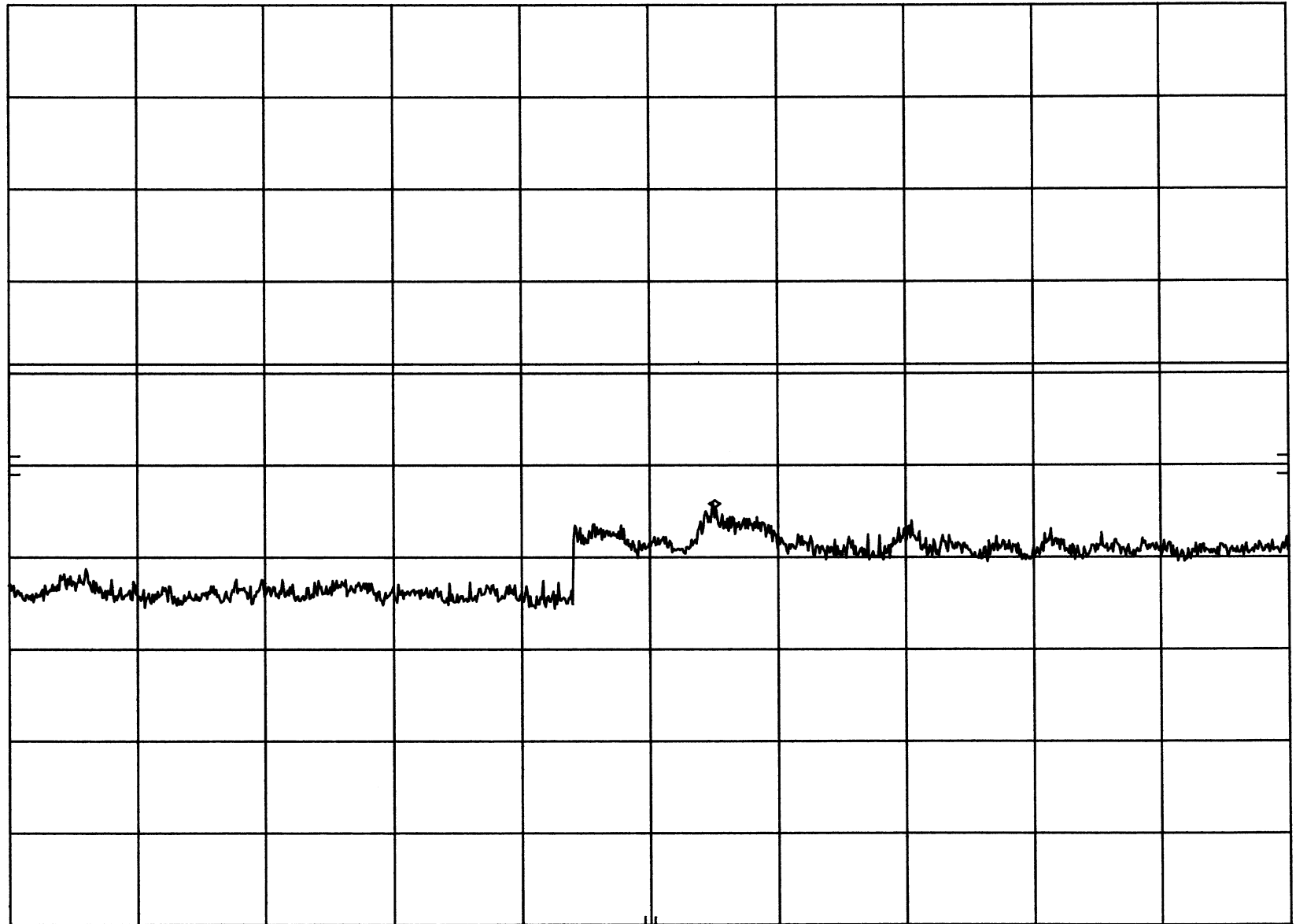
hp REF 26.0 dBm ATTEN 40 dB + 20 dB -28.20 dBm

10 dB/

POS PK

OFFSET
1.4
dB

DL
-13.0
dBm



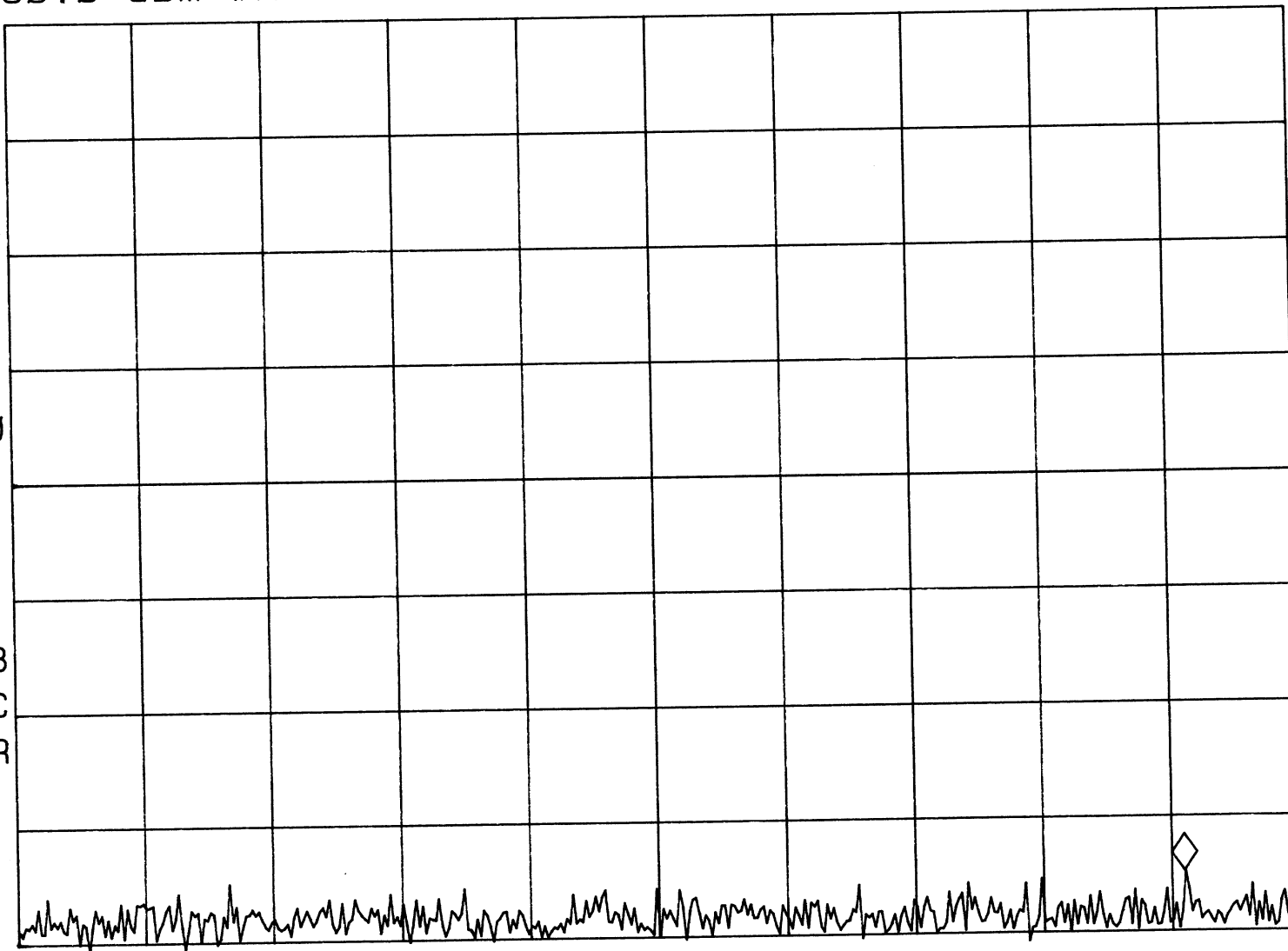
START 2.50 GHz STOP 10.00 GHz
RES BW 1 MHz (i) VBW 1 MHz SWP 188 msec

~~/h~~ FCC ID: A3LSPHM100 FM MODE
REF -60.0 dBm #ATTEN 10 dB PG 26.0 dB

MKR 891.75 MHz
-97.39 dBm

PEAK
LOG
5
dB/
OFFST
6.0
dB
DL
-80.0
dBm

VA SB
SC FC
CORR



START 869.00 MHz

#RES BW 100 kHz

#VBW 300 kHz

STOP 894.00 MHz

SWP 20 msec

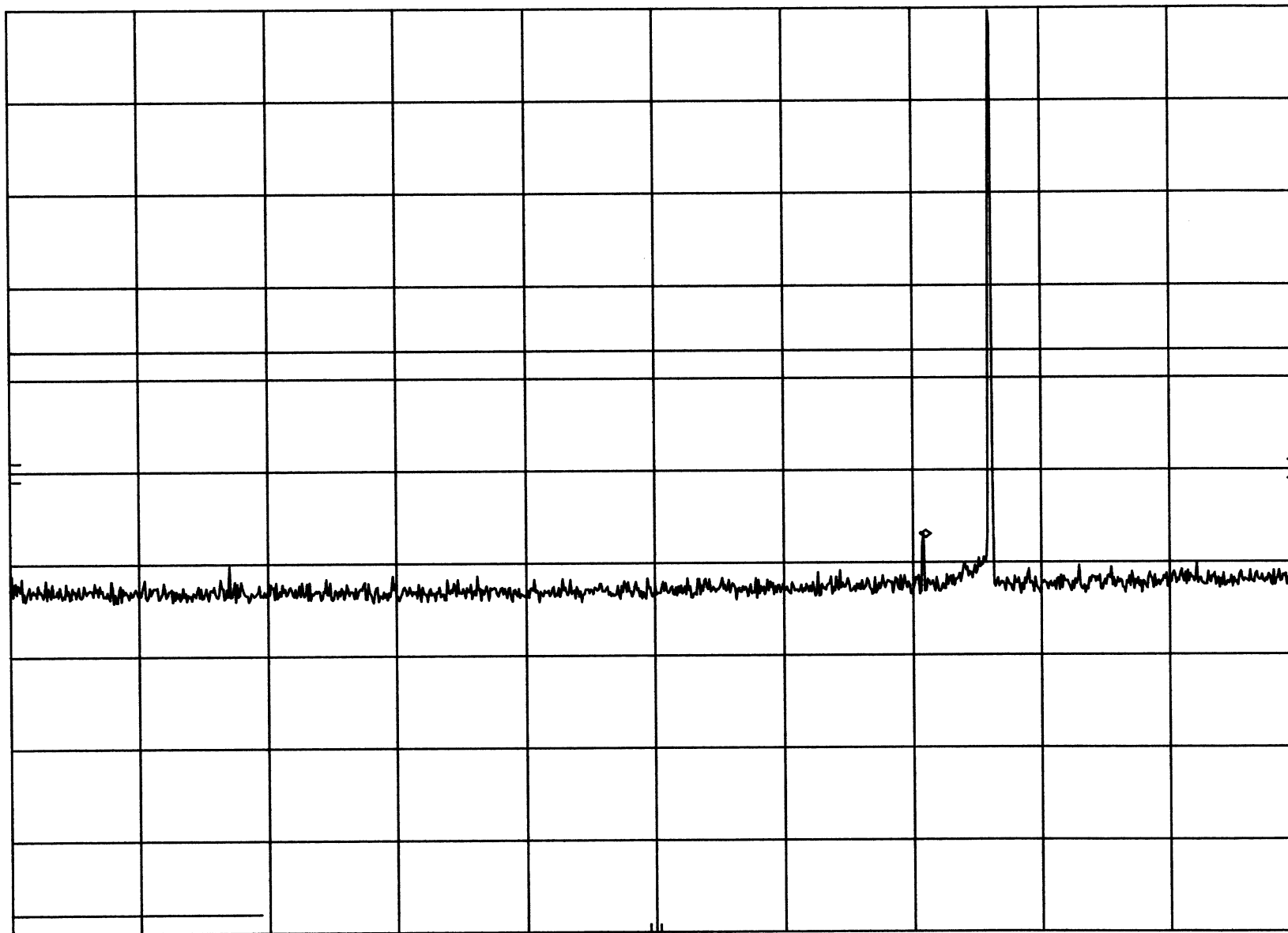
hp FCC ID A3LSPHM100 COND SPURS PCS Ch 1175 MKR 1.775 GHz
REF 24.0 dBm ATTEN 40 dB + 20 dB -32.90 dBm

10 dB/

POS PK

OFFSET
2.0
dB

DL
-13.0
dBm



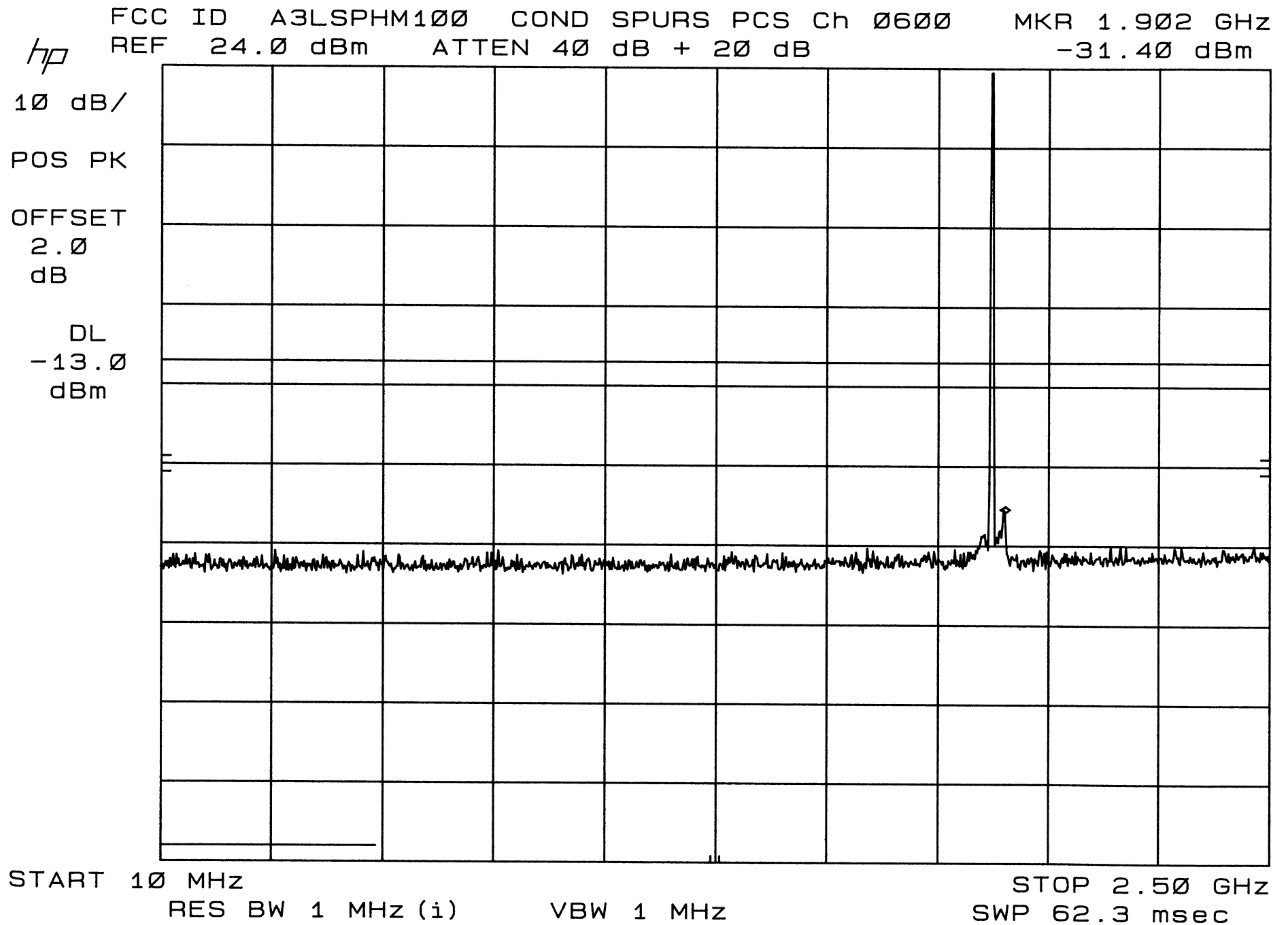
START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz

SWP 62.3 msec



hp

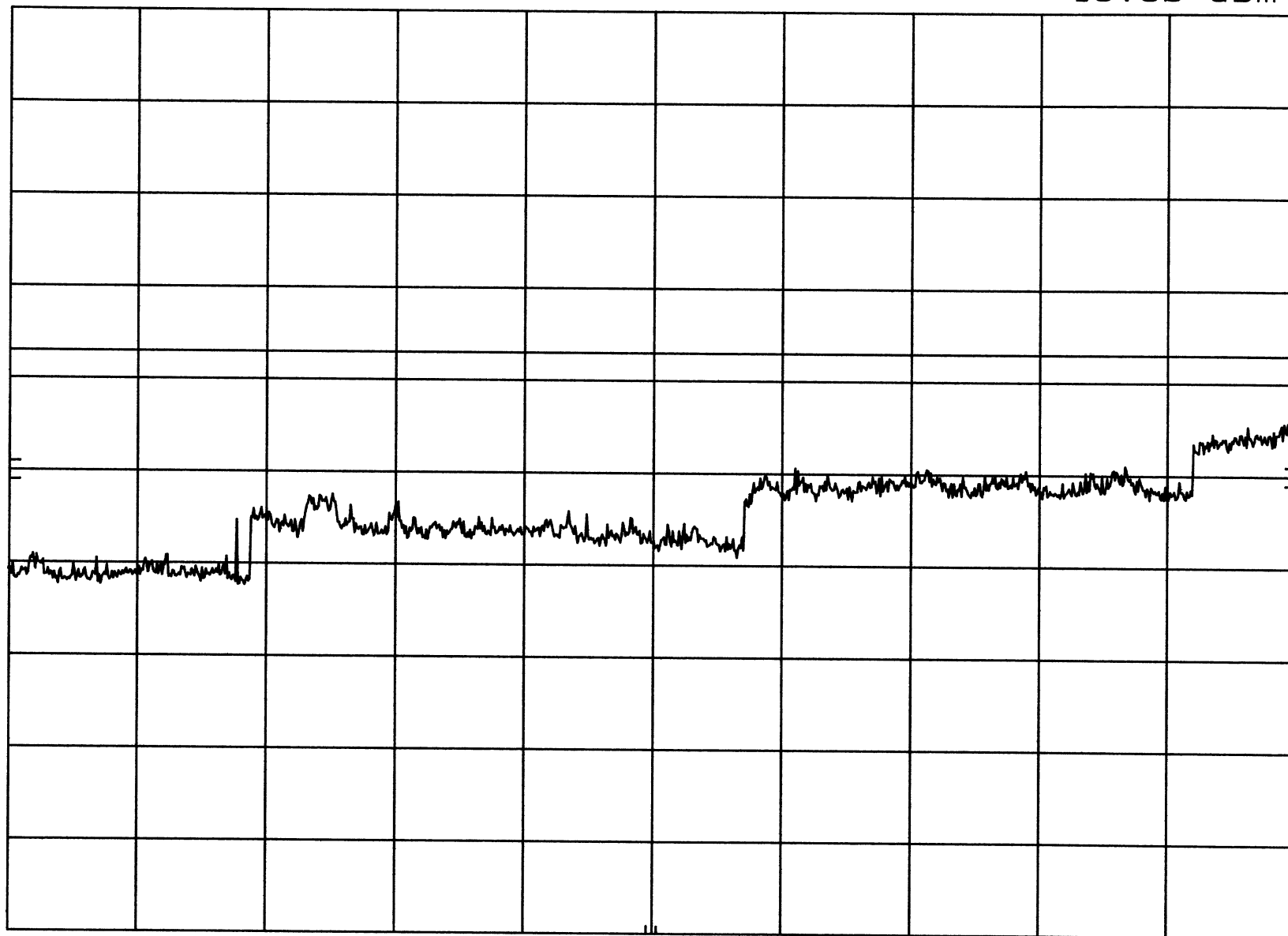
FCC ID A3LSPHM100 COND SPURS PCS Ch 0600 MKR 19.97 GHz
REF 24.0 dBm ATTEN 40 dB + 20 dB -19.90 dBm

10 dB/

POS PK

OFFSET
2.0
dB

DL
-13.0
dBm



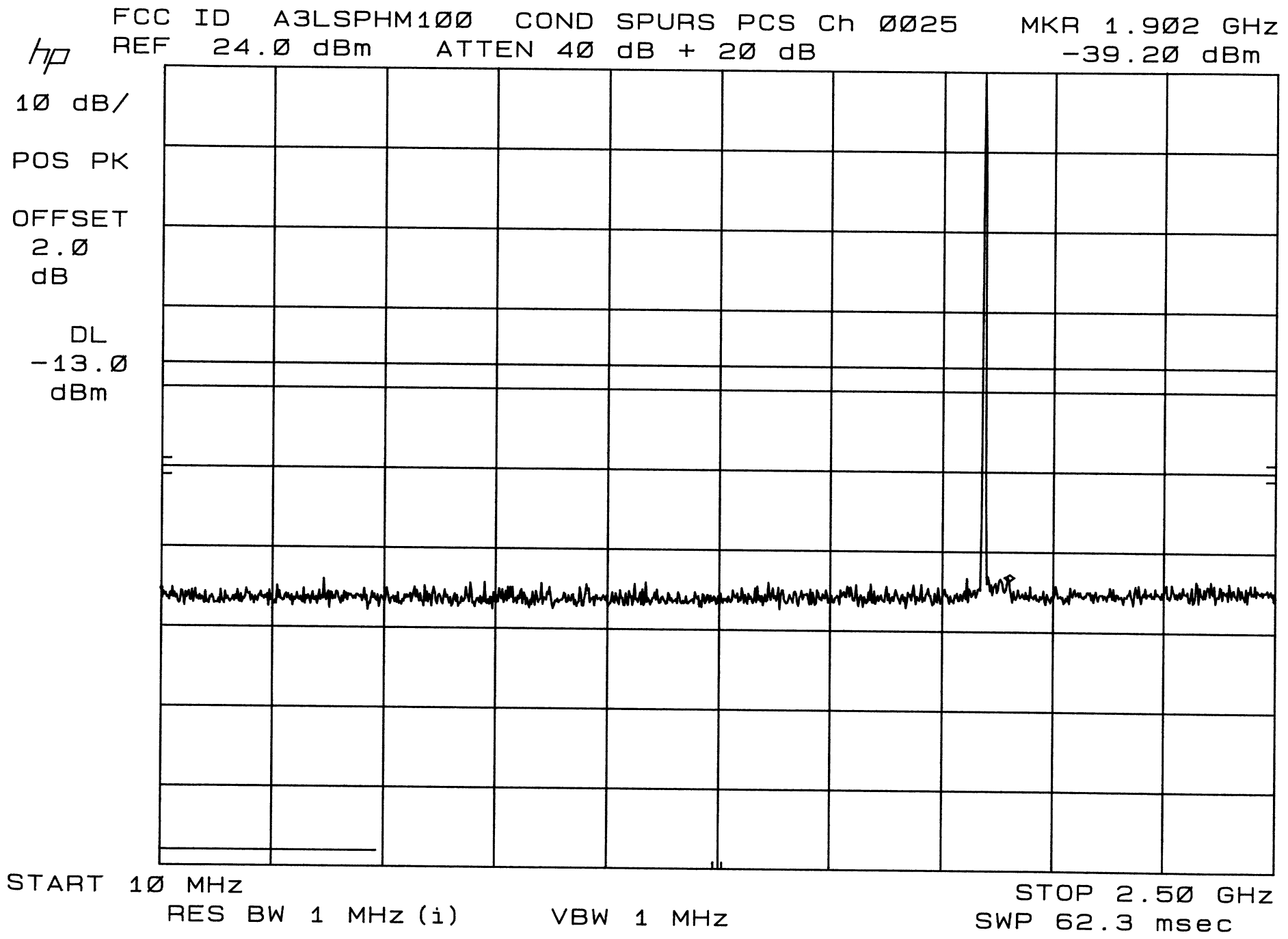
START 2.5 GHz

RES BW 1 MHz (i)

VBW 1 MHz

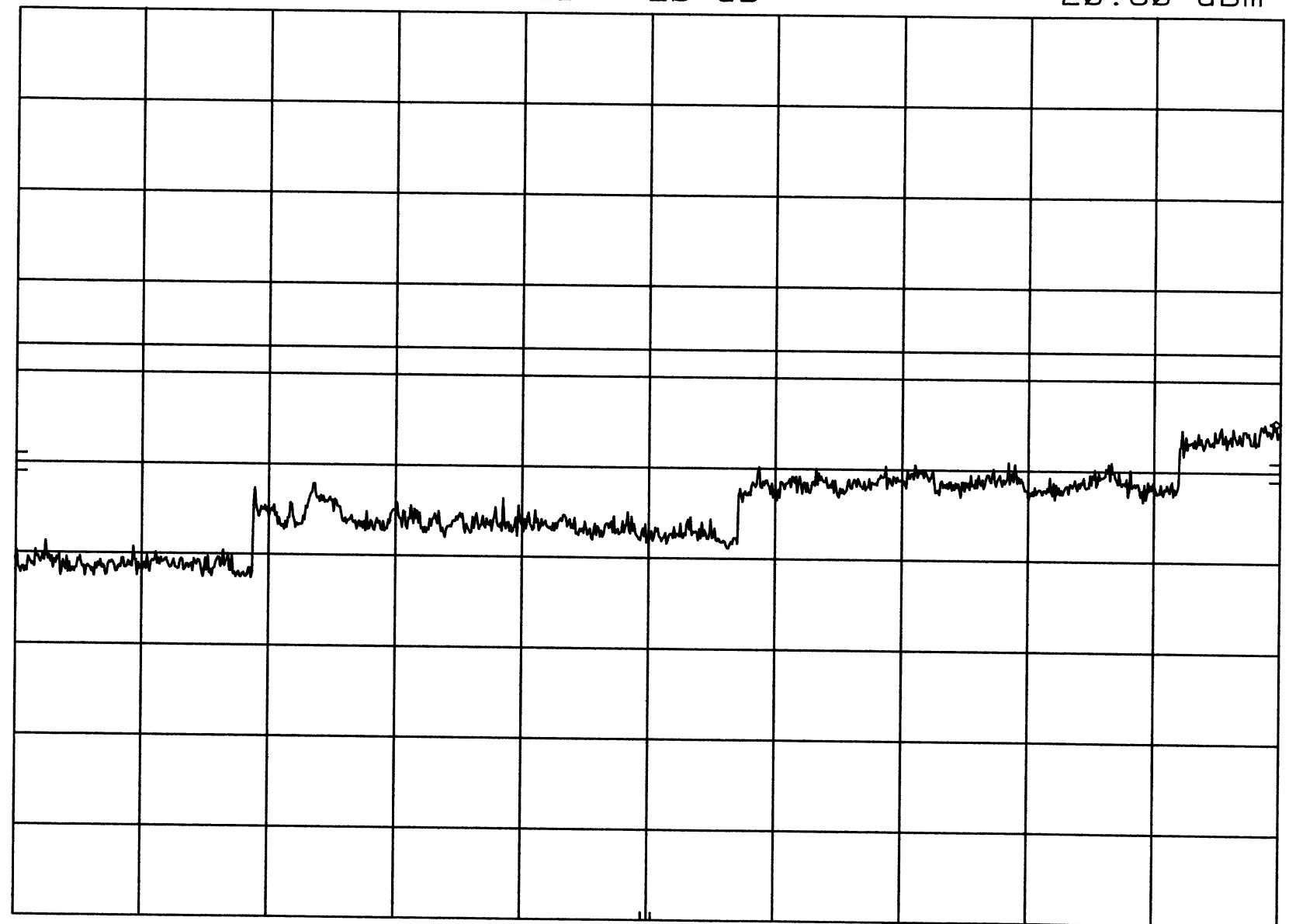
STOP 20.0 GHz

SWP 438 msec



FCC ID A3LSPHM100 COND SPURS PCS Ch 0025 MKR 19.91 GHz
hp REF 24.0 dBm ATTEN 40 dB + 20 dB -20.60 dBm

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



START 2.5 GHz STOP 20.0 GHz
RES BW 1 MHz (i) VBW 1 MHz SWP 438 msec

FCC ID A3LSPHM100 POWER OUT PCS Ch 1175

hp

REF 24.0 dBm ATTEN 40 dB + 20 dB

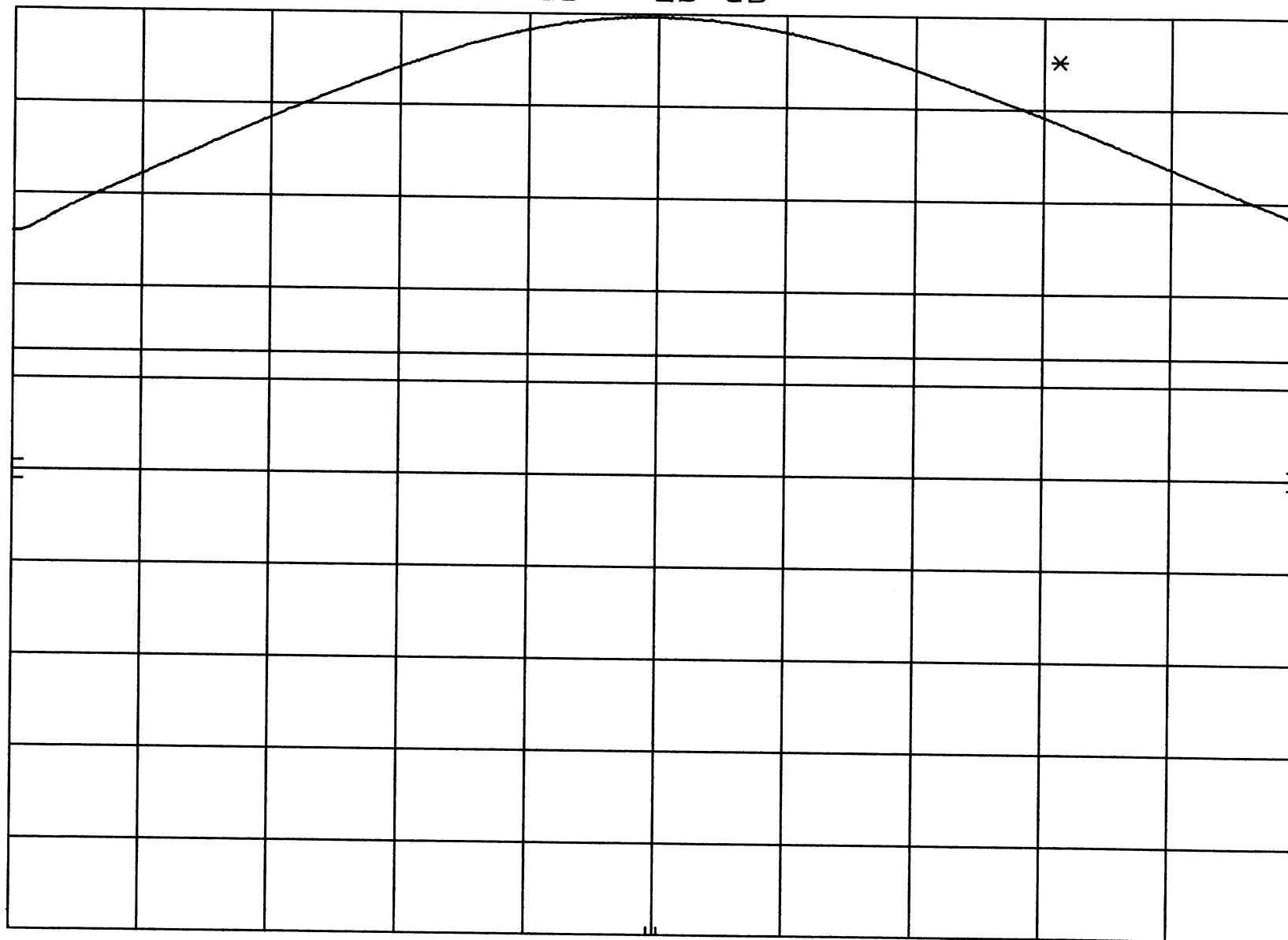
10 dB/

POS PK

OFFSET

2.0
dB

DL
-13.0
dBm



CENTER 1.909 0 GHz

RES BW 3 MHz (i)

VBW 3 MHz

SPAN 10.0 MHz
SWP 20.0 msec

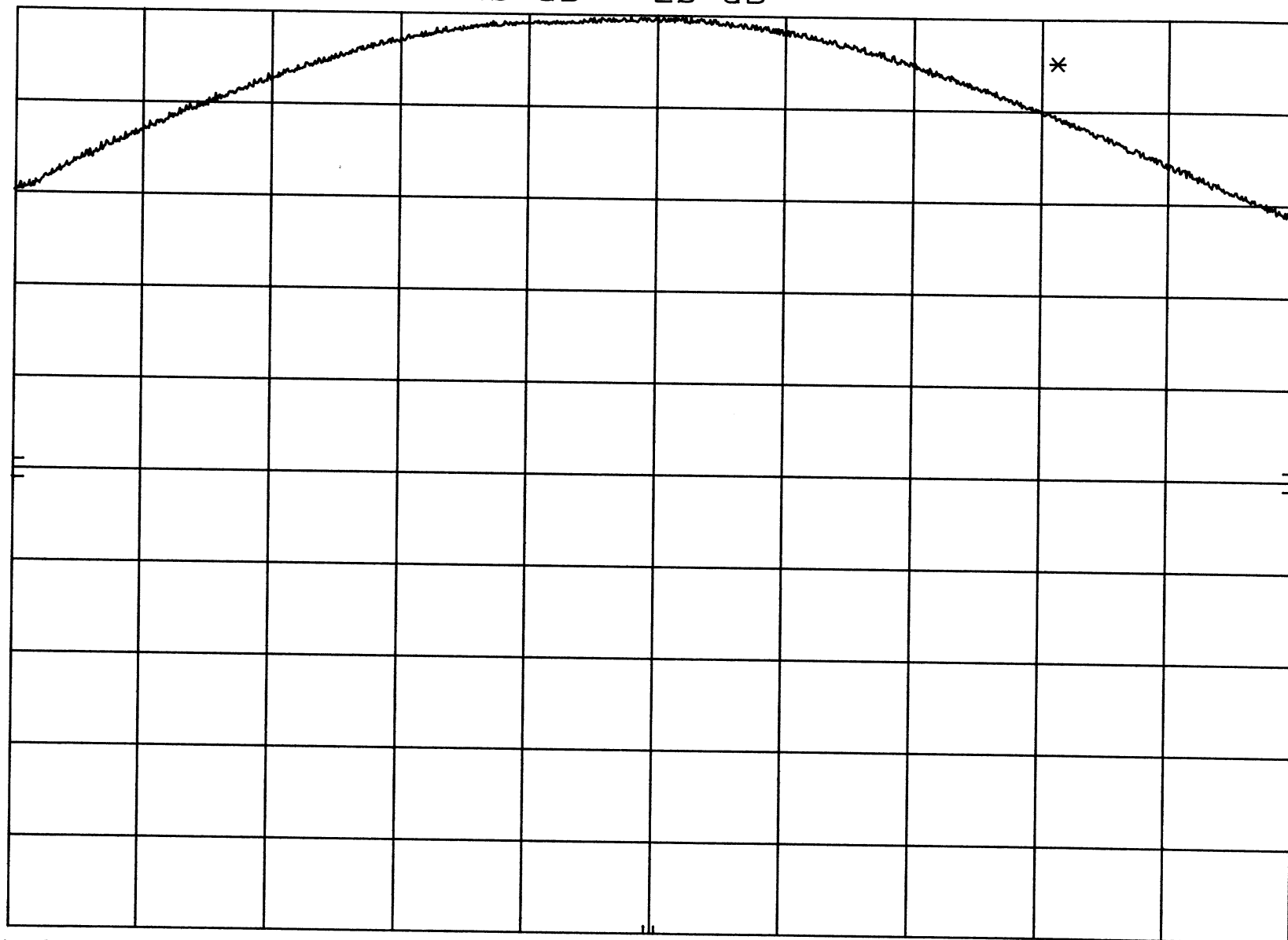
hp

FCC ID A3LSPHM100 POWER OUT PCS Ch 0600
REF 24.0 dBm ATTN 40 dB + 20 dB

10 dB/

POS PK

OFFSET
2.0
dB



CENTER 1.880 GHz

RES BW 3 MHz (i)

VBW 3 MHz

SPAN 10.0 MHz
SWP 20.0 msec

FCC ID A3LSPHM100 POWER OUT PCS Ch 0025

hp

REF 24.0 dBm ATTN 40 dB + 20 dB

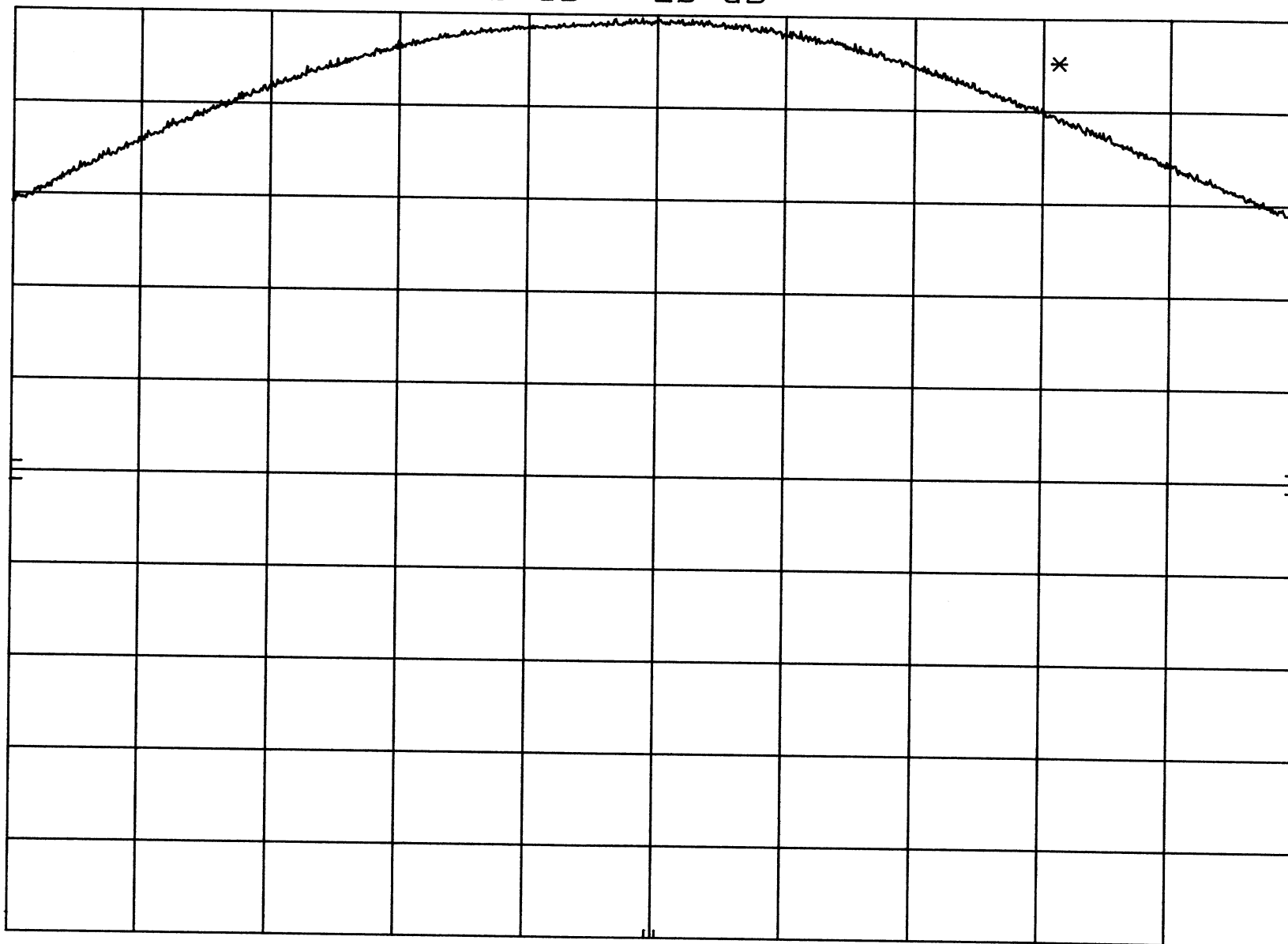
10 dB/

POS PK

OFFSET

2.0

dB



CENTER 1.851 0 GHz

RES BW 3 MHz (i)

VBW 3 MHz

SPAN 10.0 MHz
SWP 20.0 msec

hp

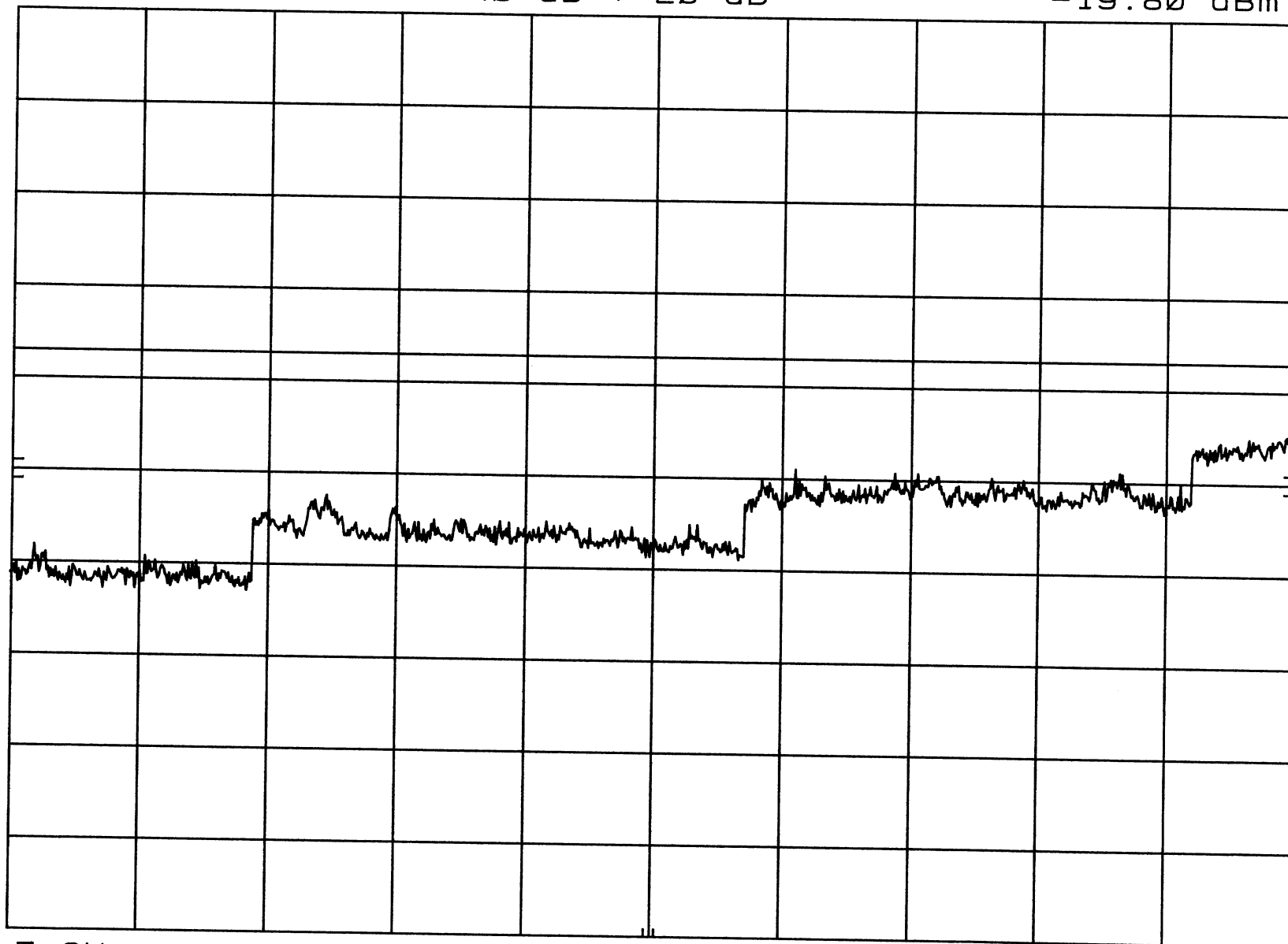
FCC ID A3LSPHM100 COND SPURS PCS Ch 1175 MKR 19.98 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -19.80 dBm

10 dB/

POS PK

OFFSET
2.0
dB

DL
-13.0
dBm



START 2.5 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz
SWP 438 msec

hp

FCC ID A3LSPHM100 POWER OUT PCS Ch 0025 MKR 1.851 261 GHz
REF 24.0 dBm ATTEN 40 dB + 20 dB 13.40 dBm

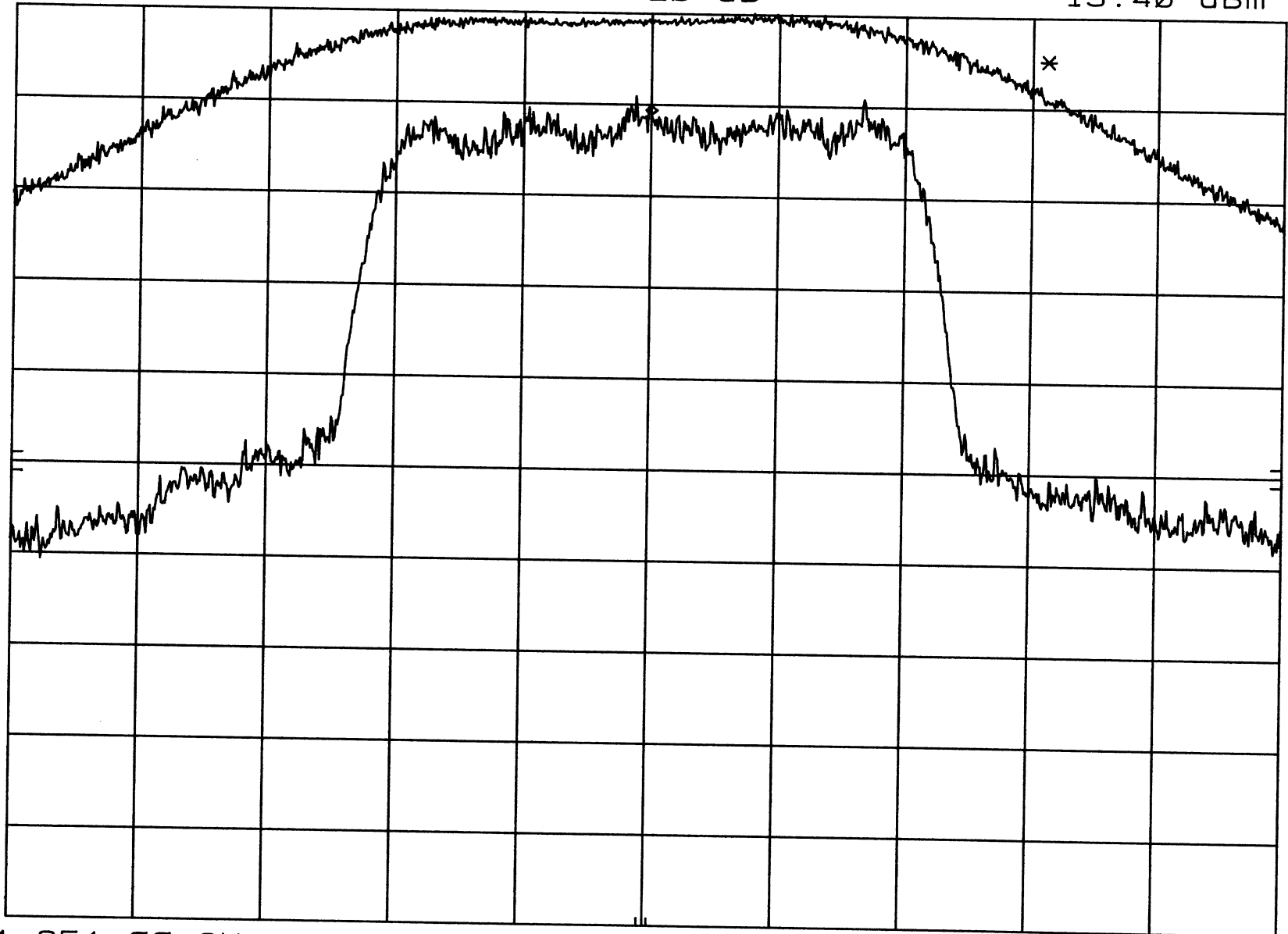
10 dB/

POS PK

OFFSET

2.0

dB



CENTER 1.851 00 GHz

RES BW 30 kHz (i)

VBW 300 kHz

SPAN 3.00 MHz
SWP 22.5 msec

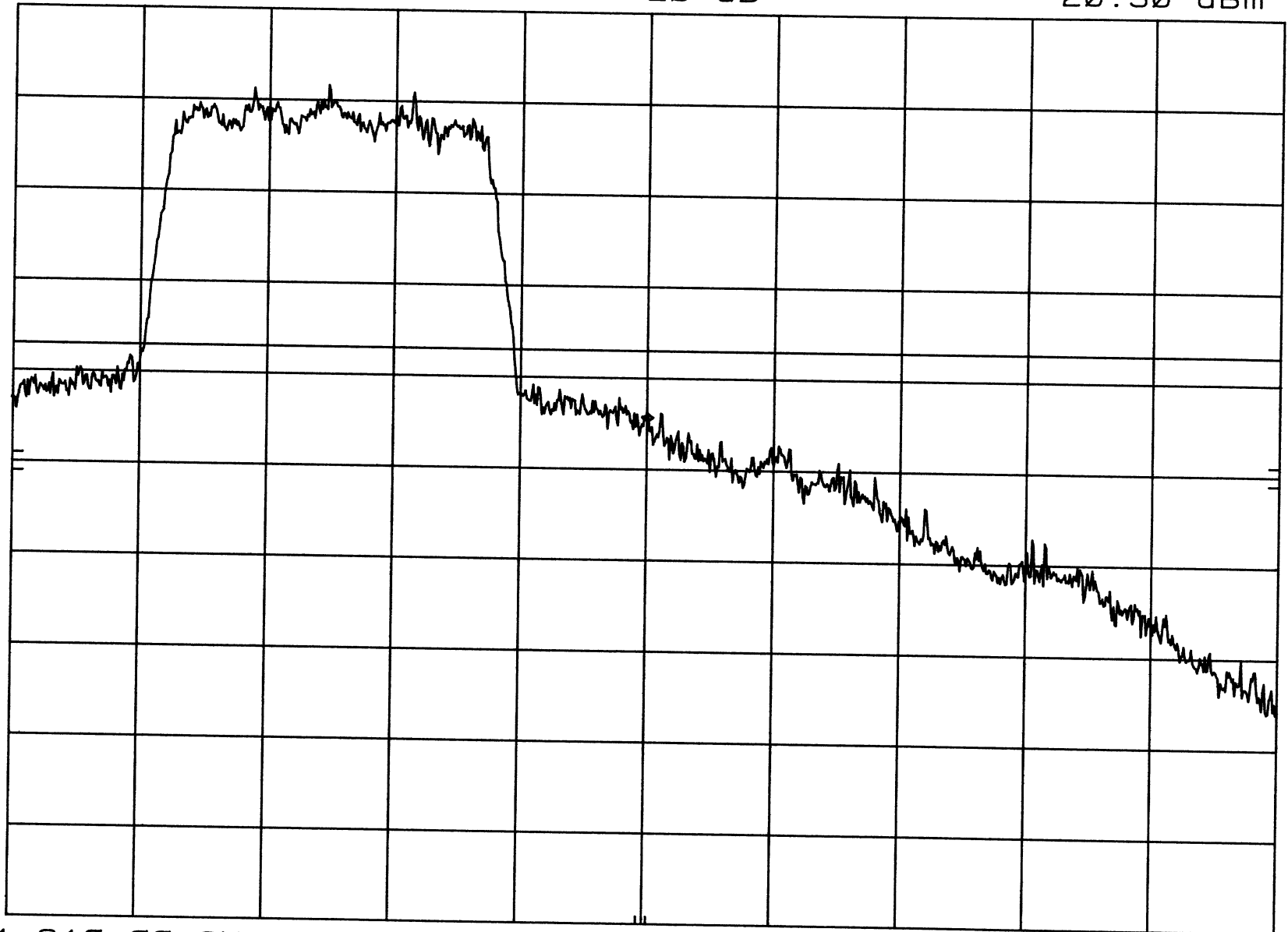
hp FCC ID A3LSPHM100 BAND EDGE PCS Ch 1175 MKR 1.910 000 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -20.30 dBm

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

hp FCC ID A3LSPHM100 BAND EDGE PCS Ch 0025 MKR 1.850 000 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -26.70 dBm

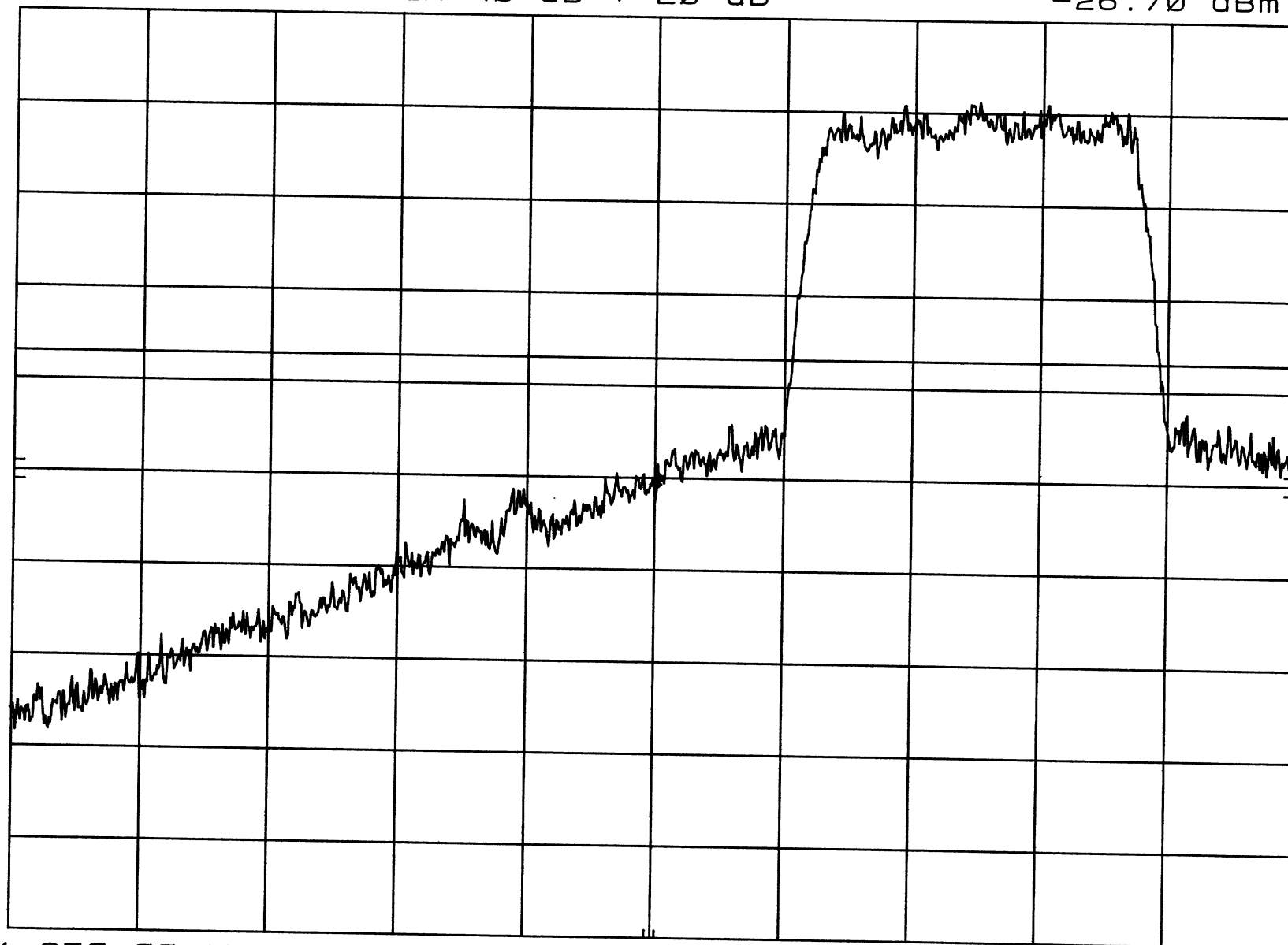
10 dB/

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

hp

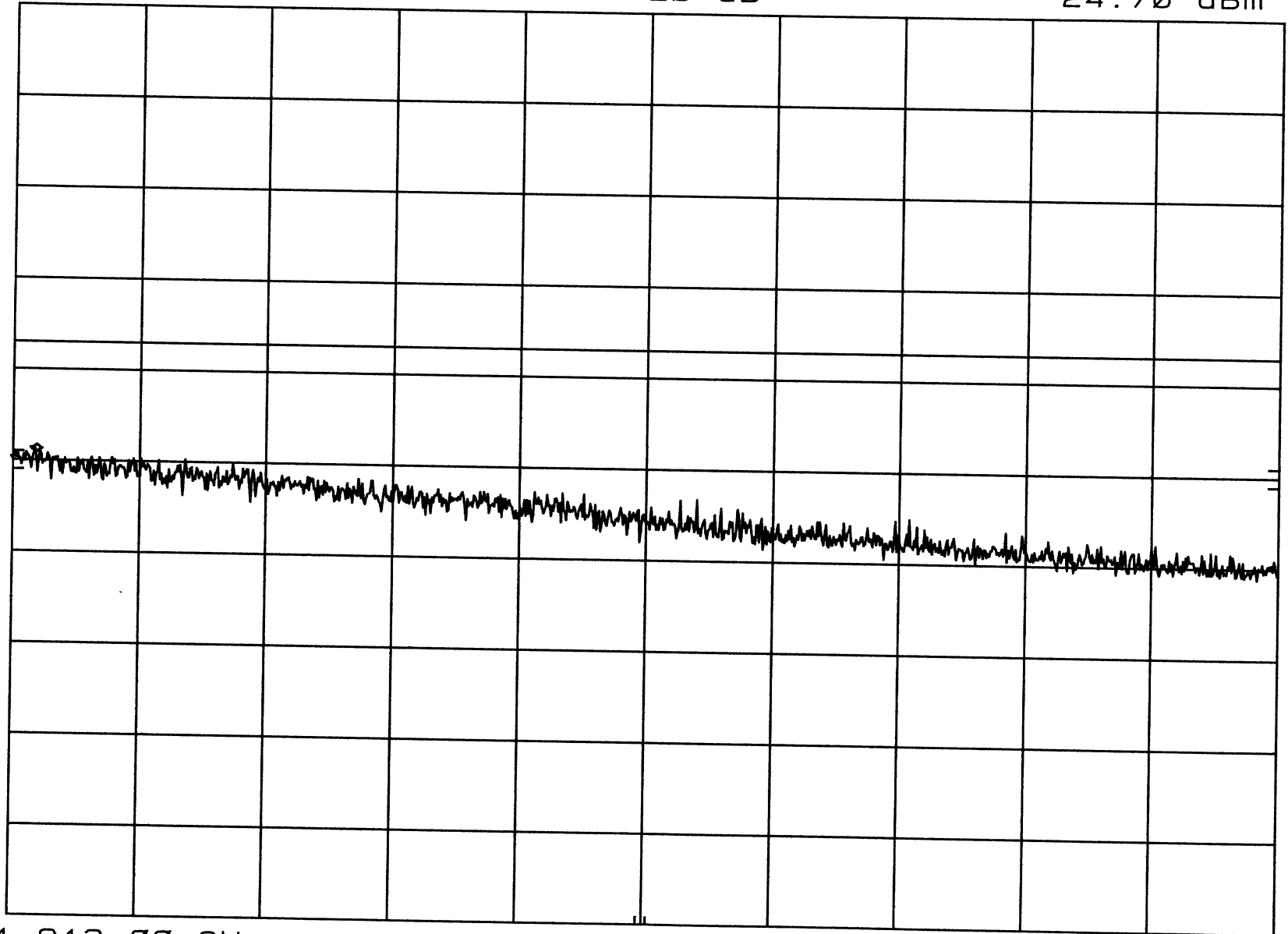
FCC ID A3LSPHM100 BAND EDGE PCS Ch 1175 MKR 1.912 518 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -24.70 dBm

10 dB/

POS PK

OFFSET
2.0
dB

DL
-13.0
dBm



CENTER 1.913 00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 1.00 MHz
SWP 20.0 msec

hp FCC ID A3LSPHM100 BAND EDGE PCS Ch 1175 MKR 1.913 531 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -34.60 dBm

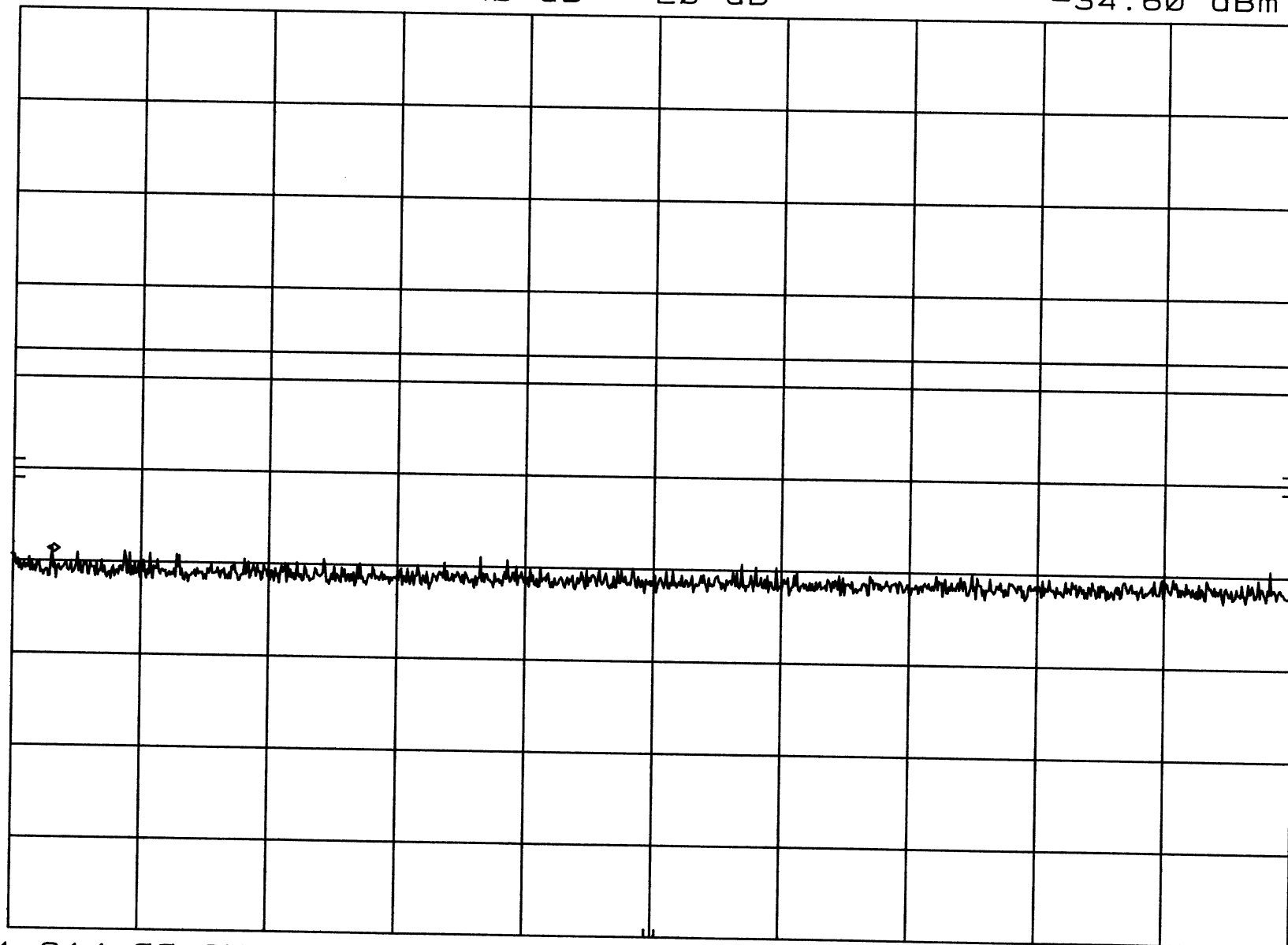
10 dB/

POS PK

OFFSET

2.0
dB

DL
-13.0
dBm



CENTER 1.914 00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 1.00 MHz
SWP 20.0 msec

hp FCC ID A3LSPHM100 BAND EDGE PCS Ch 1175 MKR 1.914 518 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -35.70 dBm

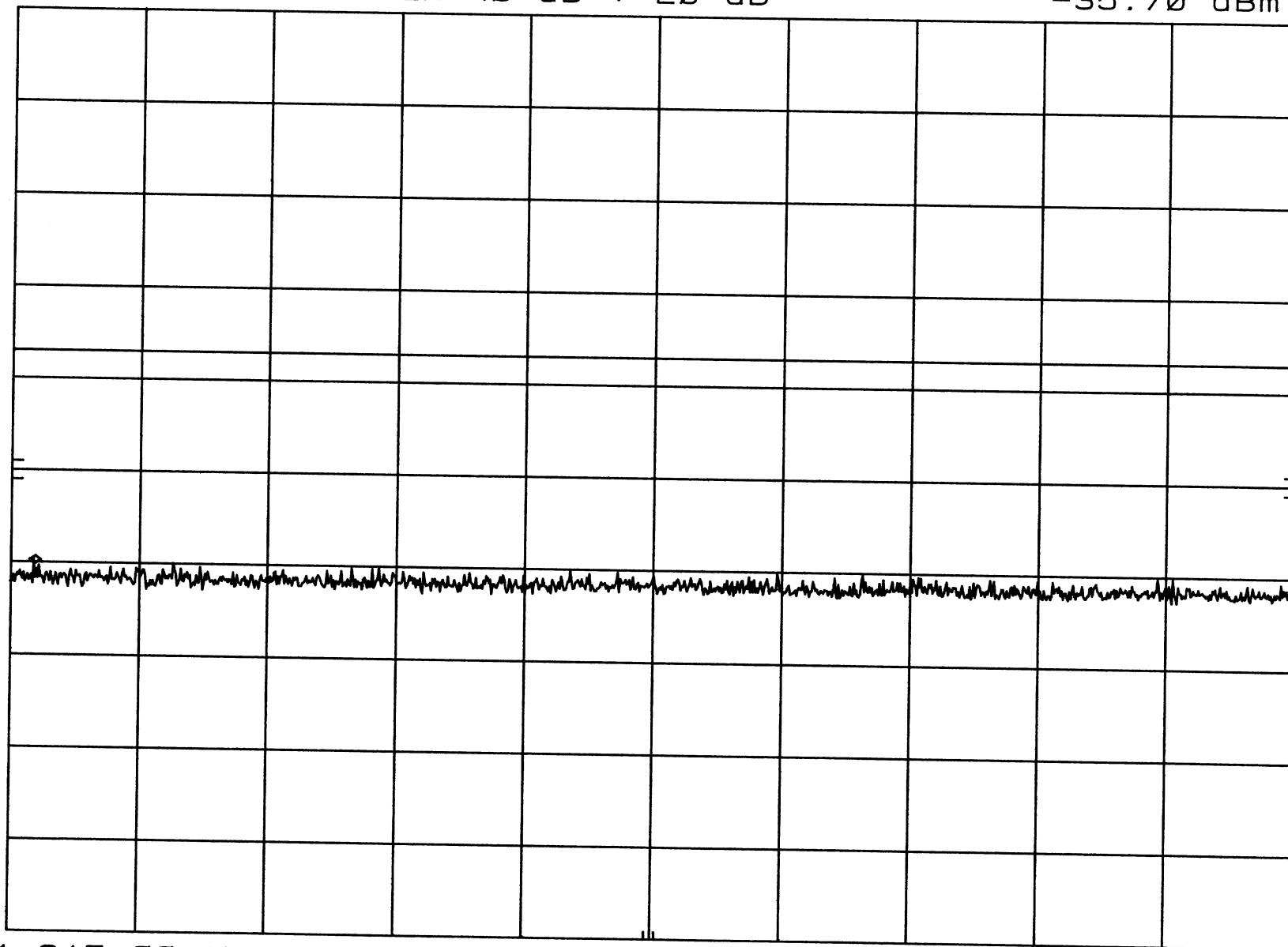
10 dB/

POS PK

OFFSET

2.0
dB

DL
-13.0
dBm



CENTER 1.915 00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 1.00 MHz
SWP 20.0 msec

hp FCC ID A3LSPHM100 BAND EDGE PCS Ch 1175 MKR 1.915 579 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -36.20 dBm

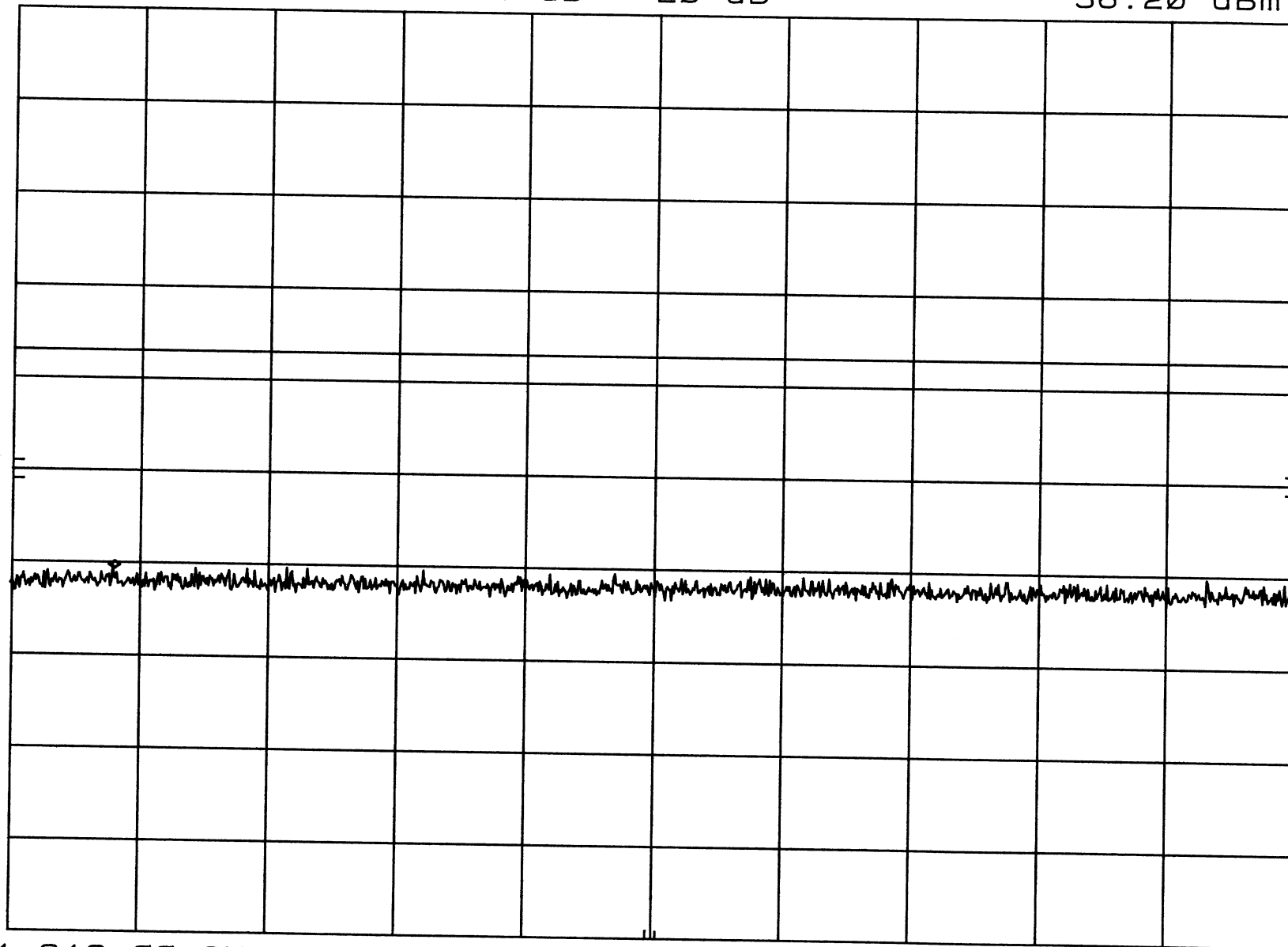
10 dB/

POS PK

OFFSET

2.0
dB

DL
-13.0
dBm



CENTER 1.916 00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 1.00 MHz
SWP 20.0 msec

FCC ID A3LSPHM100 BAND EDGE PCS Ch 0025 MKR 1.847 500 GHz
hp REF 24.0 dBm ATTN 40 dB + 20 dB -23.20 dBm

10 dB/

POS PK

OFFSET

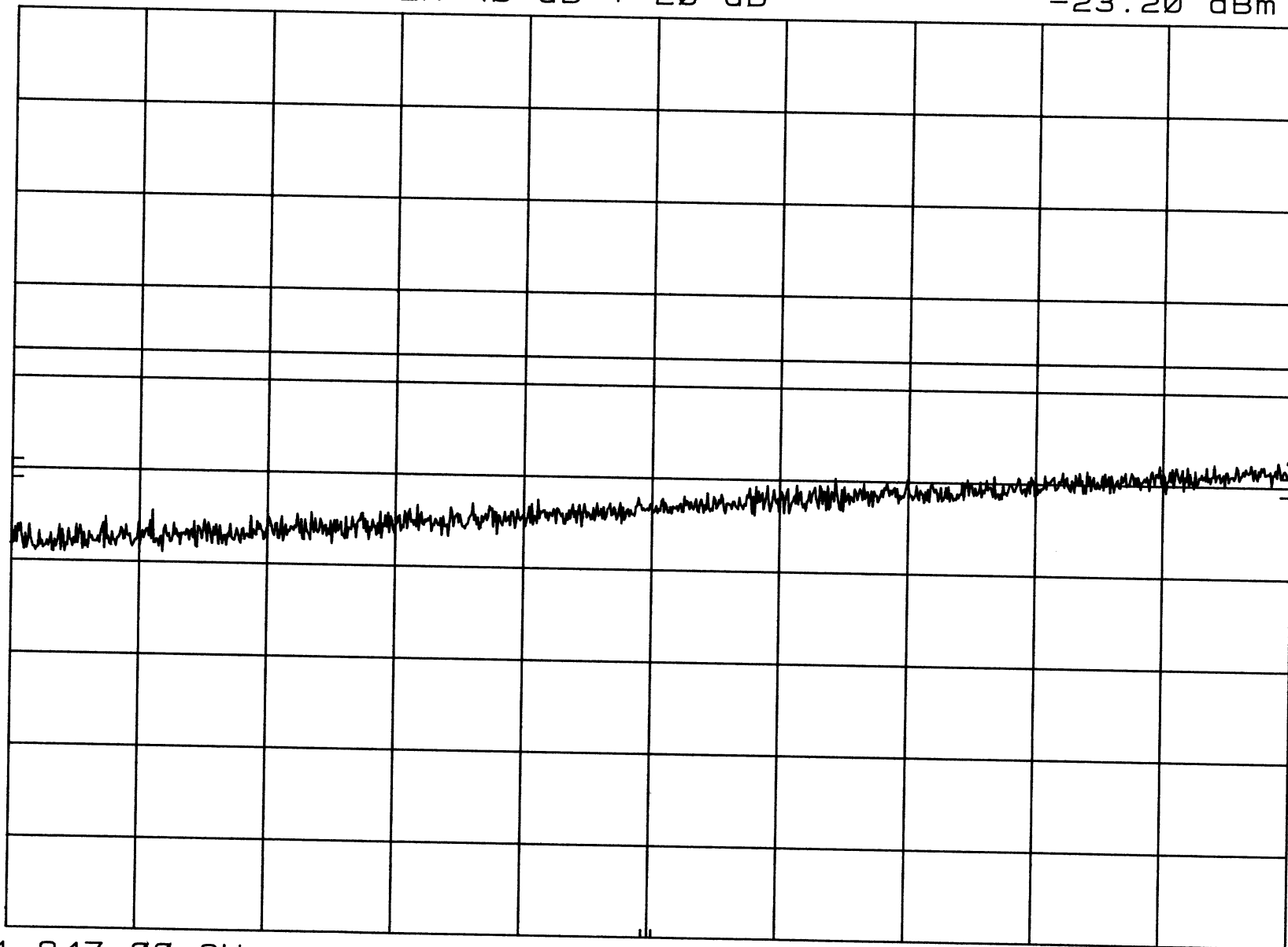
2.0

dB

DL

-13.0

dBm



CENTER 1.847 00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 1.00 MHz
SWP 20.0 msec

FCC ID A3LSPHM100 BAND EDGE PCS Ch 0025 MKR 1.846 492 GHz
hp REF 24.0 dBm ATTN 40 dB + 20 dB -31.80 dBm

10 dB/

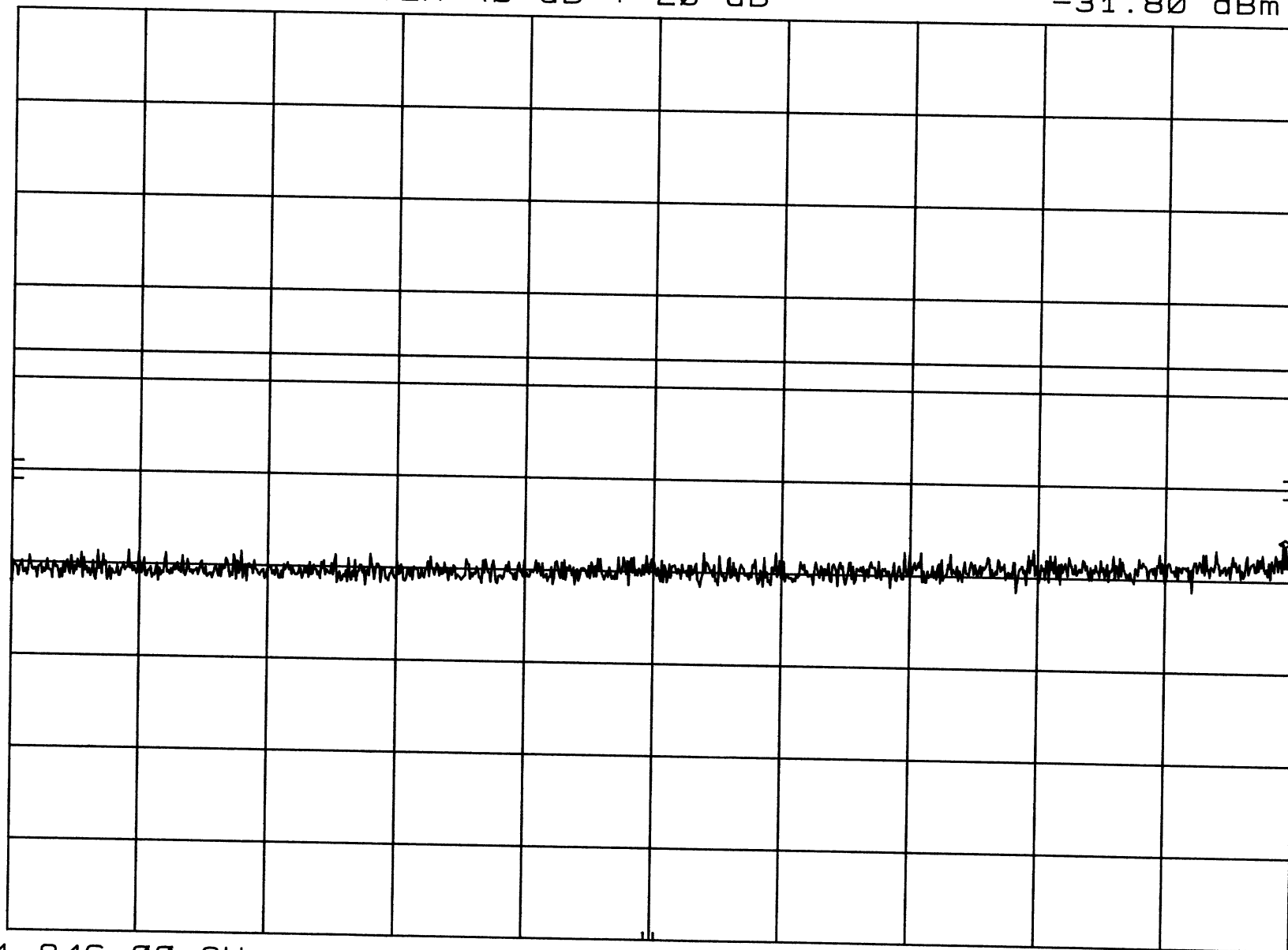
POS PK

OFFSET

2.0
dB

DL

-13.0
dBm



CENTER 1.846 00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 1.00 MHz
SWP 20.0 msec

FCC ID A3LSPHM100 BAND EDGE PCS Ch 0025 ICR 1.845 448 GHz
hp REF 24.0 dBm ATTN 40 dB + 20 dB -33.90 dBm

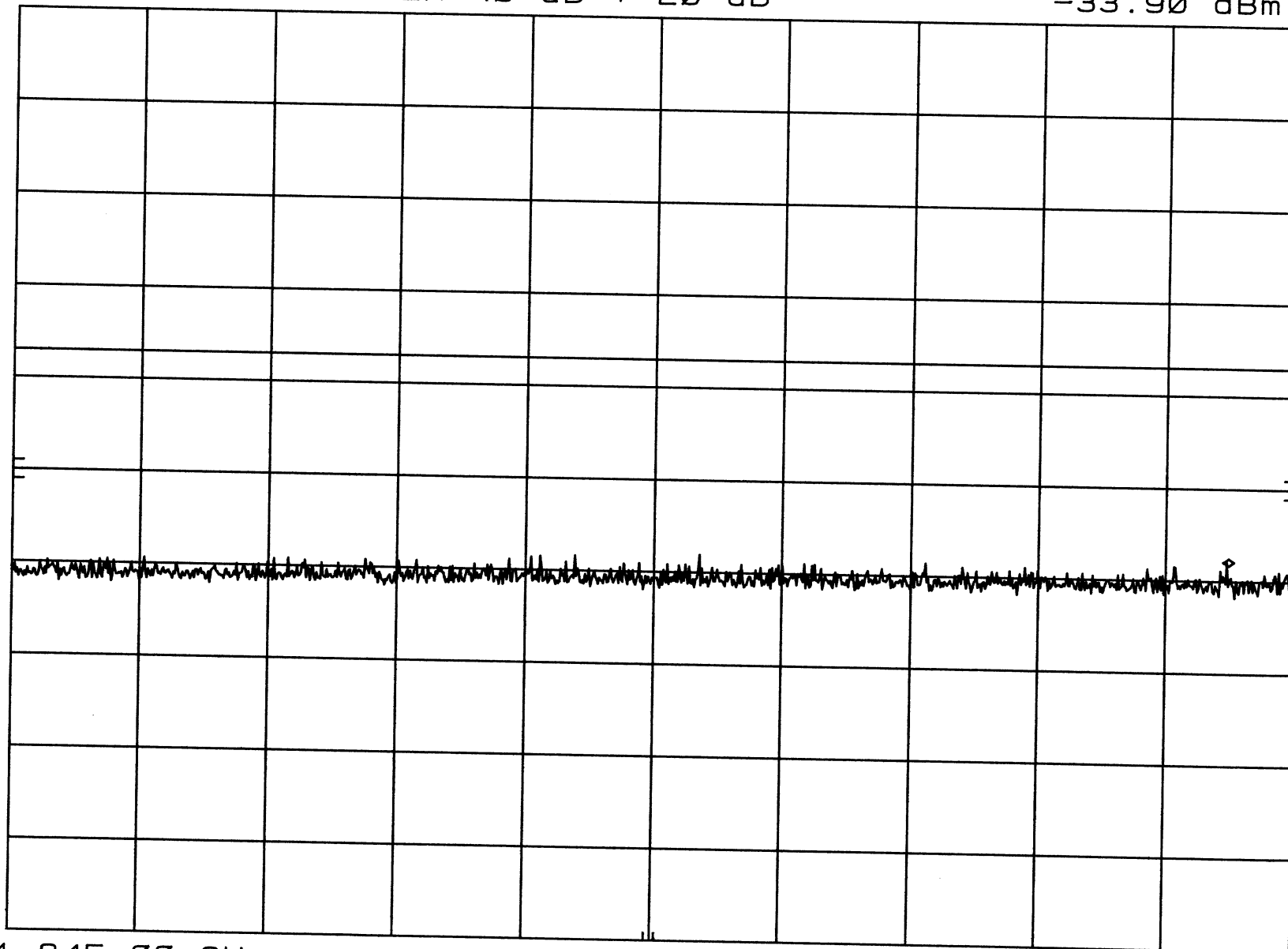
10 dB/

POS PK

OFFSET

2.0
dB

DL
-13.0
dBm



CENTER 1.845 00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 1.00 MHz
SWP 20.0 msec

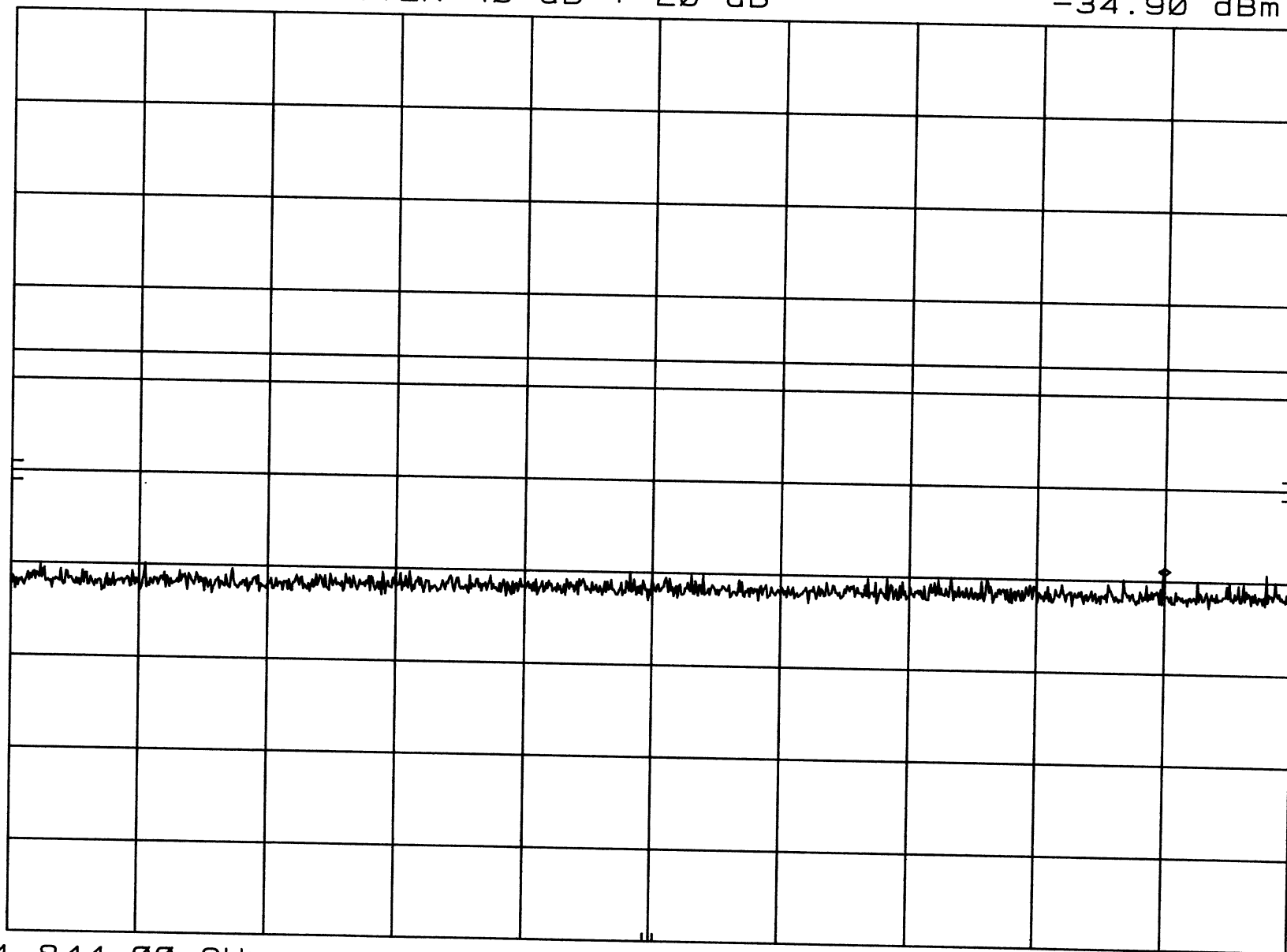
hp FCC ID A3LSPHM100 BAND EDGE PCS Ch 0025 MKR 1.844 399 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -34.90 dBm

10 dB/

POS PK

OFFSET
2.0
dB

DL
-13.0
dBm



CENTER 1.844 00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 1.00 MHz
SWP 20.0 msec

* Agilent 16:08:40 Jun 13, 2000

FCC ID : A3LSPHM100 POWER OUT PCS Ch 0600

Ref 24 dBm

Atten 35 dB

Samp

Log

10

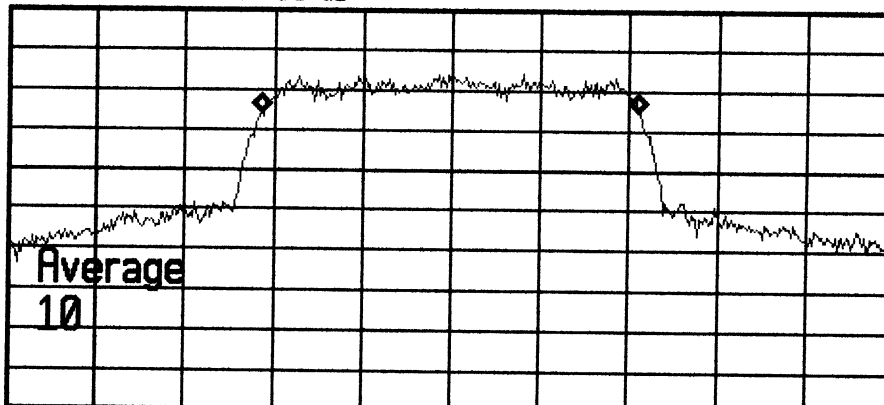
dB/

Offst

2

dB

PAvg



Center 1.88 GHz

Span 3 MHz

*Res BW 30 kHz

*VBW 300 kHz

Sweep 9.167 ms (401 pts)

Occupied Bandwidth Results (measuring.)

Avg 10/10

Occupied Bandwidth

1.257 MHz

Occ BW % Pwr 99.00 %

Transmit Freq Error -3.264 kHz

BW/Avg

Resolution BW

30.000000 kHz

Auto

Man

Video BW

300.000000 kHz

Auto

Man

VBW/RBW Ratio

10.00000

Average

10

On

Off

Average Type

Video

Power

EMI Res BW

None

PCTEST Engineering Lab., Inc.

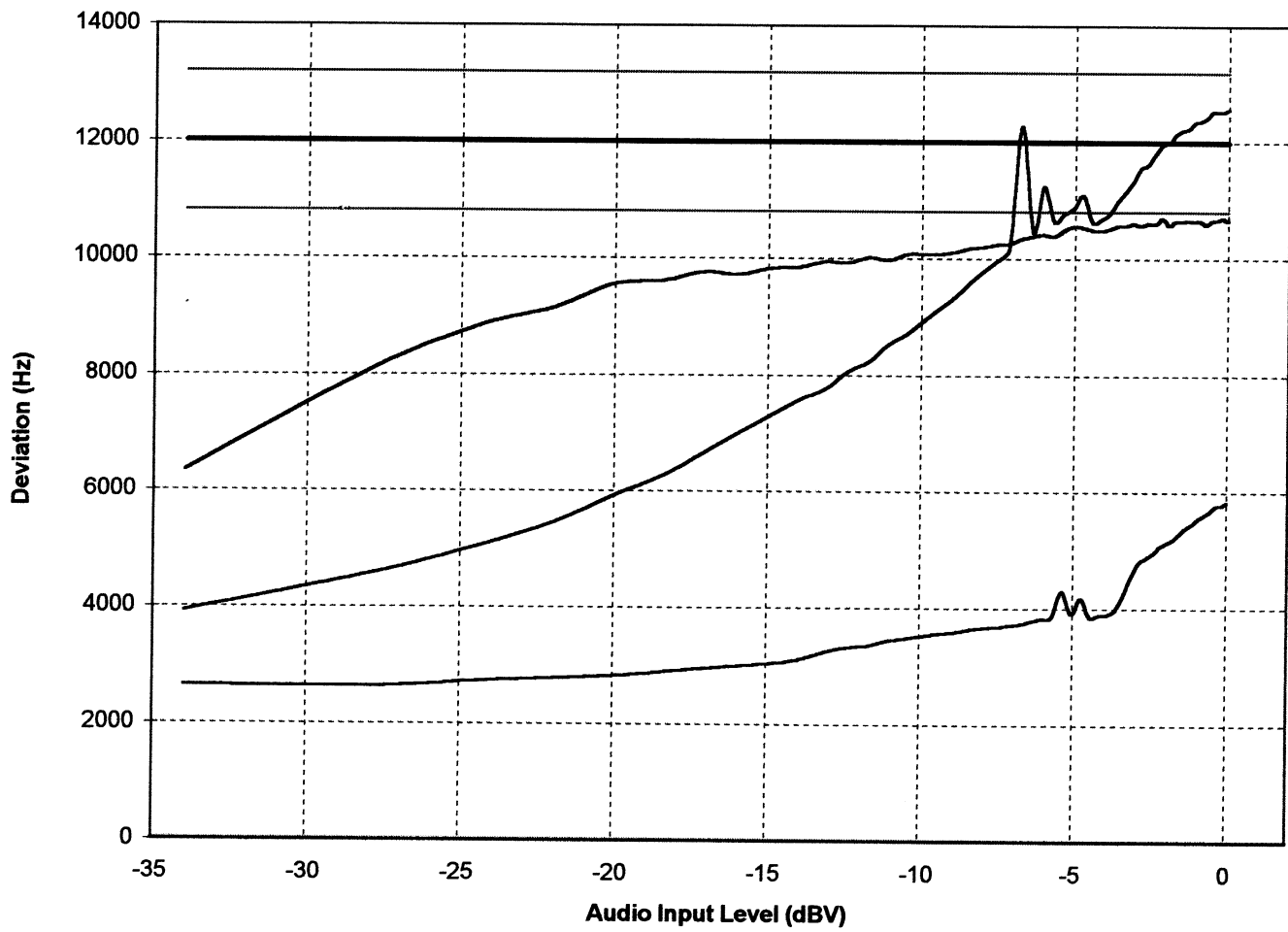
SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 24/22.200612262.A3L
Test Date: June 12, 2000

EUT: Samsung Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: SPH-M100
FCC ID: A3LSPHM100

REFERENCE: 1 kHz = 0 dB

Modulation Limiting



PCTEST Engineering Lab., Inc.

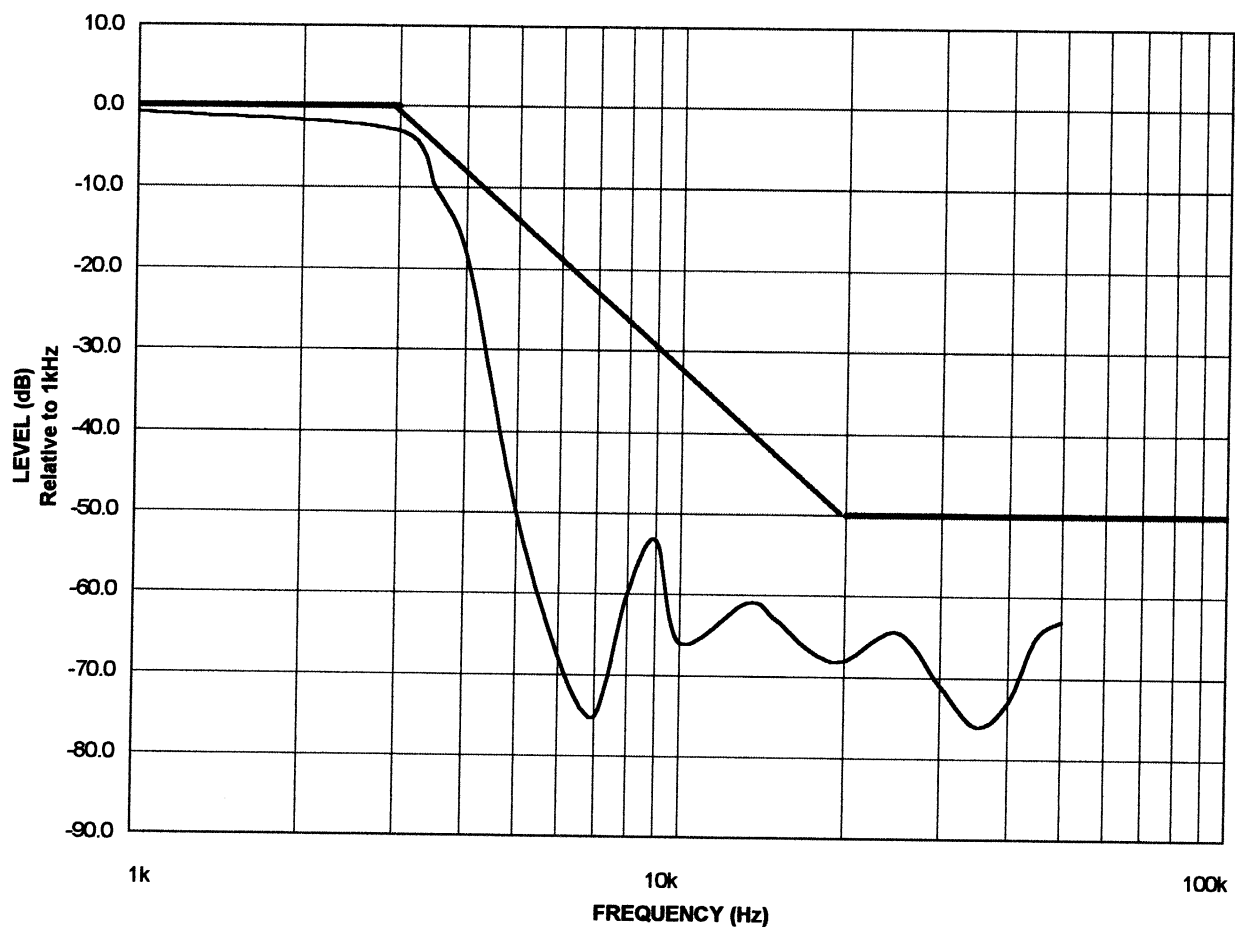
SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 24/22.200612262.A3L
Test Date: June 12, 2000

EUT: Samsung Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: SPH-M100
FCC ID: A3LSPHM100

REFERENCE: 1 kHz = 0 dB

Frequency Response of Audio Low Pass Filter



PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 24/22.200612262.A3L
Test Date: June 12, 2000

EUT: Samsung Dual-Band Analog/PCS Phone (AMPS/CDMA)
Model: SPH-M100
FCC ID: A3LSPHM100

REFERENCE: 1 kHz = 0 dB

