

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSPHM100

SAMSUNG Dual-Band Phone

FM Mode

Channel 0363

Operating Frequency: 835.890 MHz

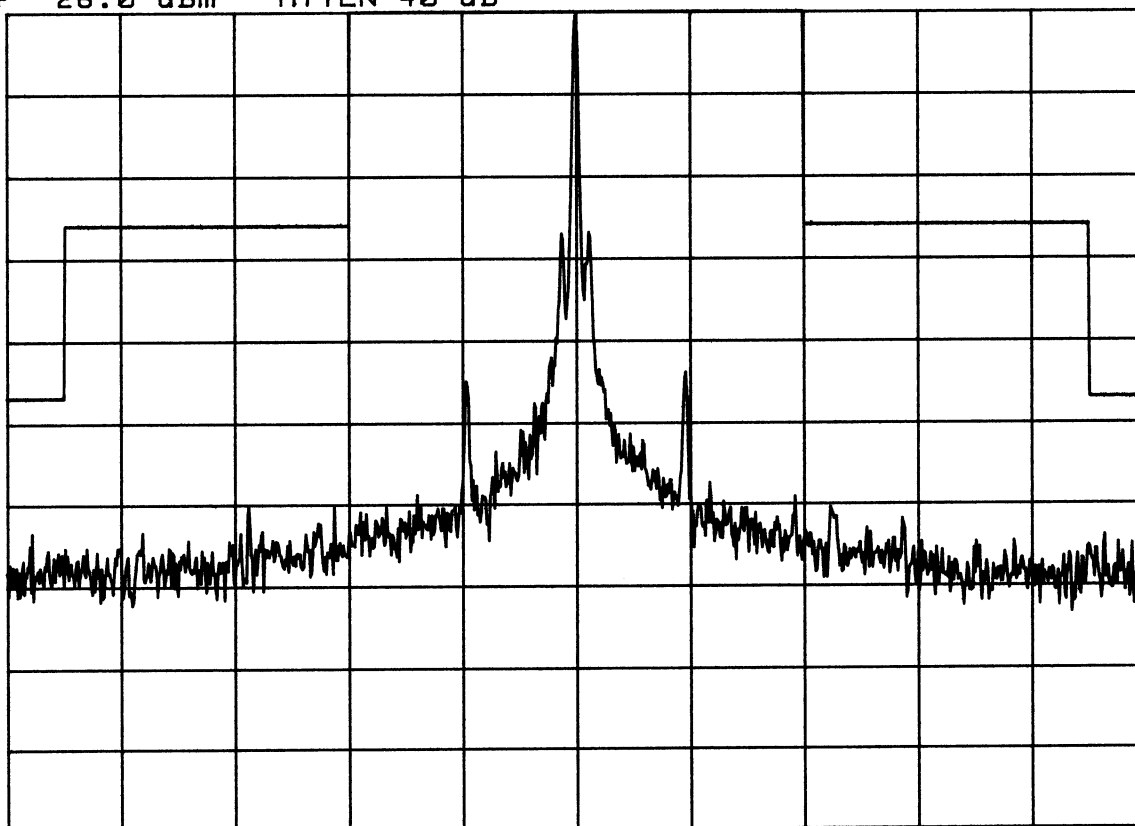
Output Power : 26.0 dBm

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

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.

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SAMSUNG Dual-Band Phone

FM Mode

Channel 0363

Operating Frequency: 835.890 MHz

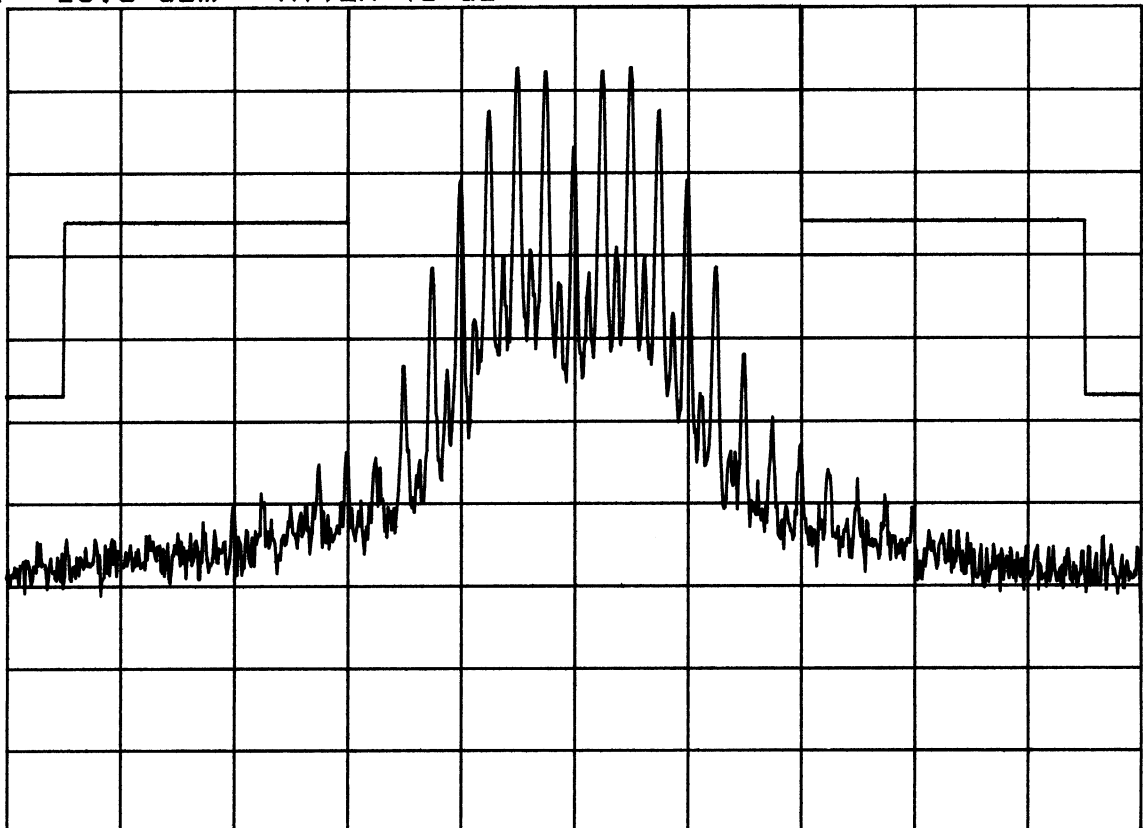
Output Power : 26.0 dBm

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.

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Operating Frequency: 835.890 MHz

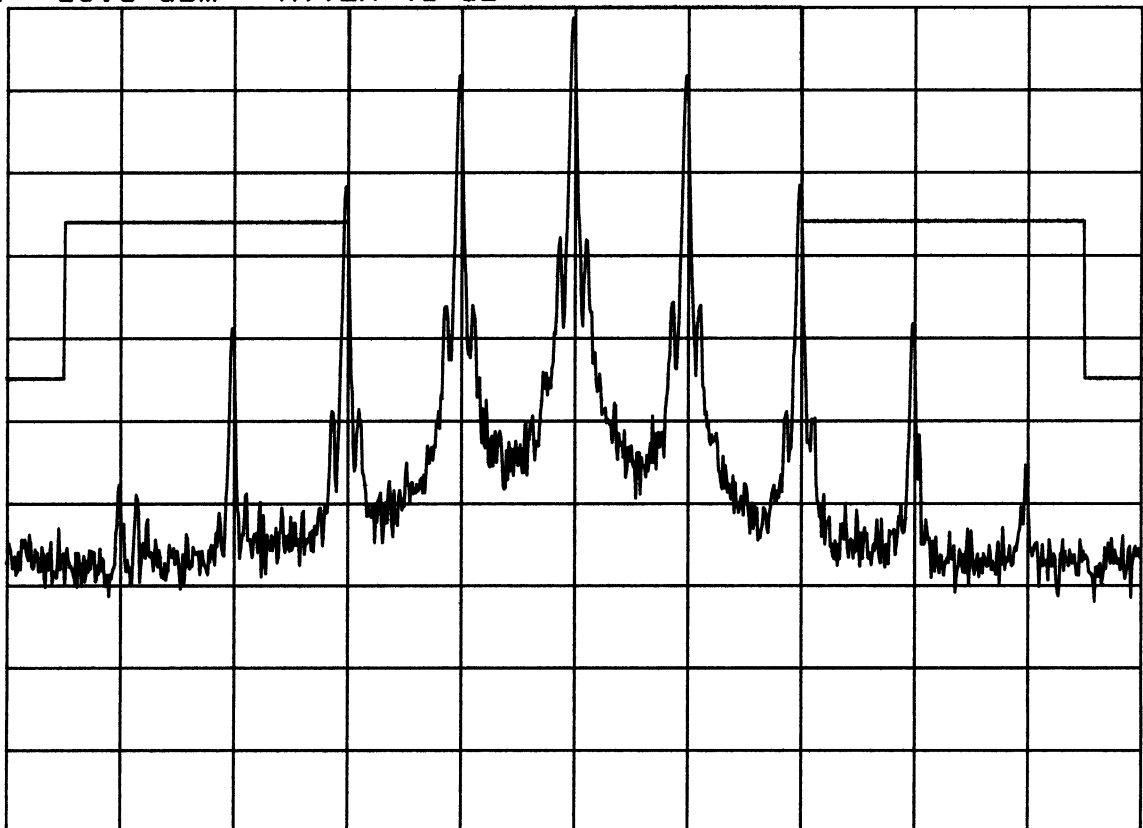
Output Power : 26.0 dBm

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

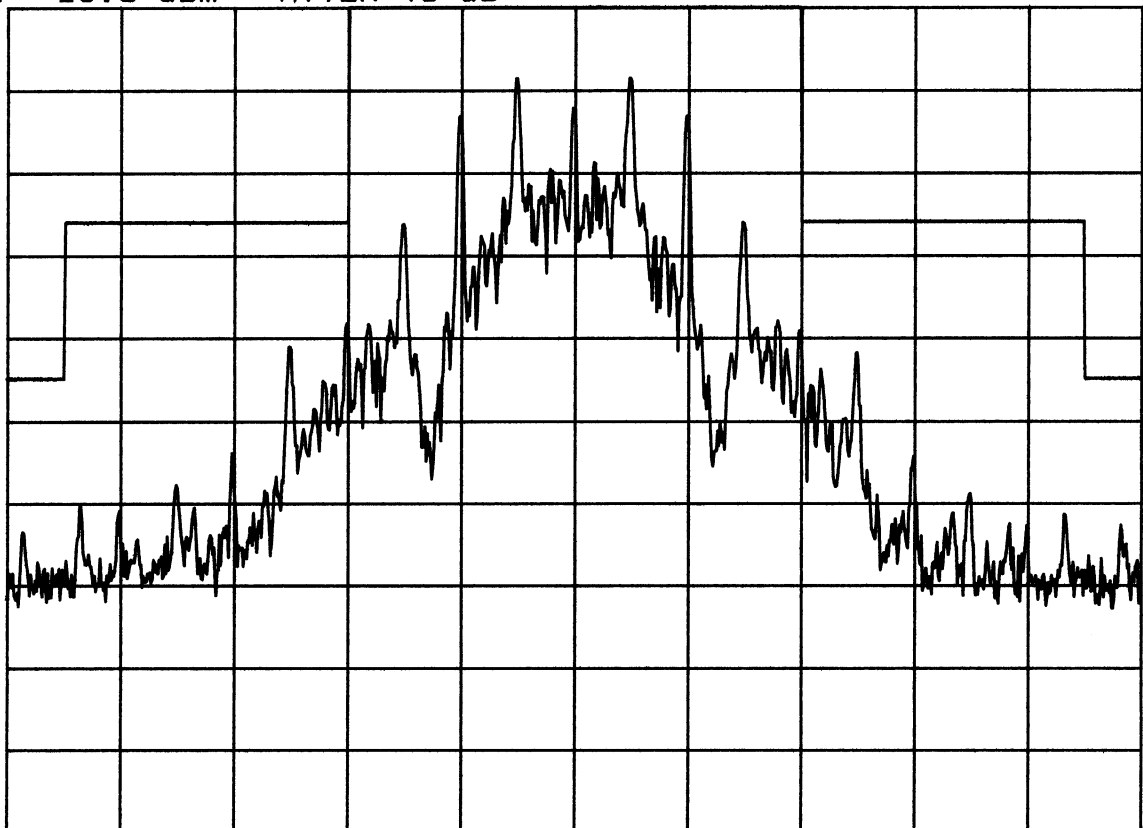
Output Power : 26.0 dBm

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

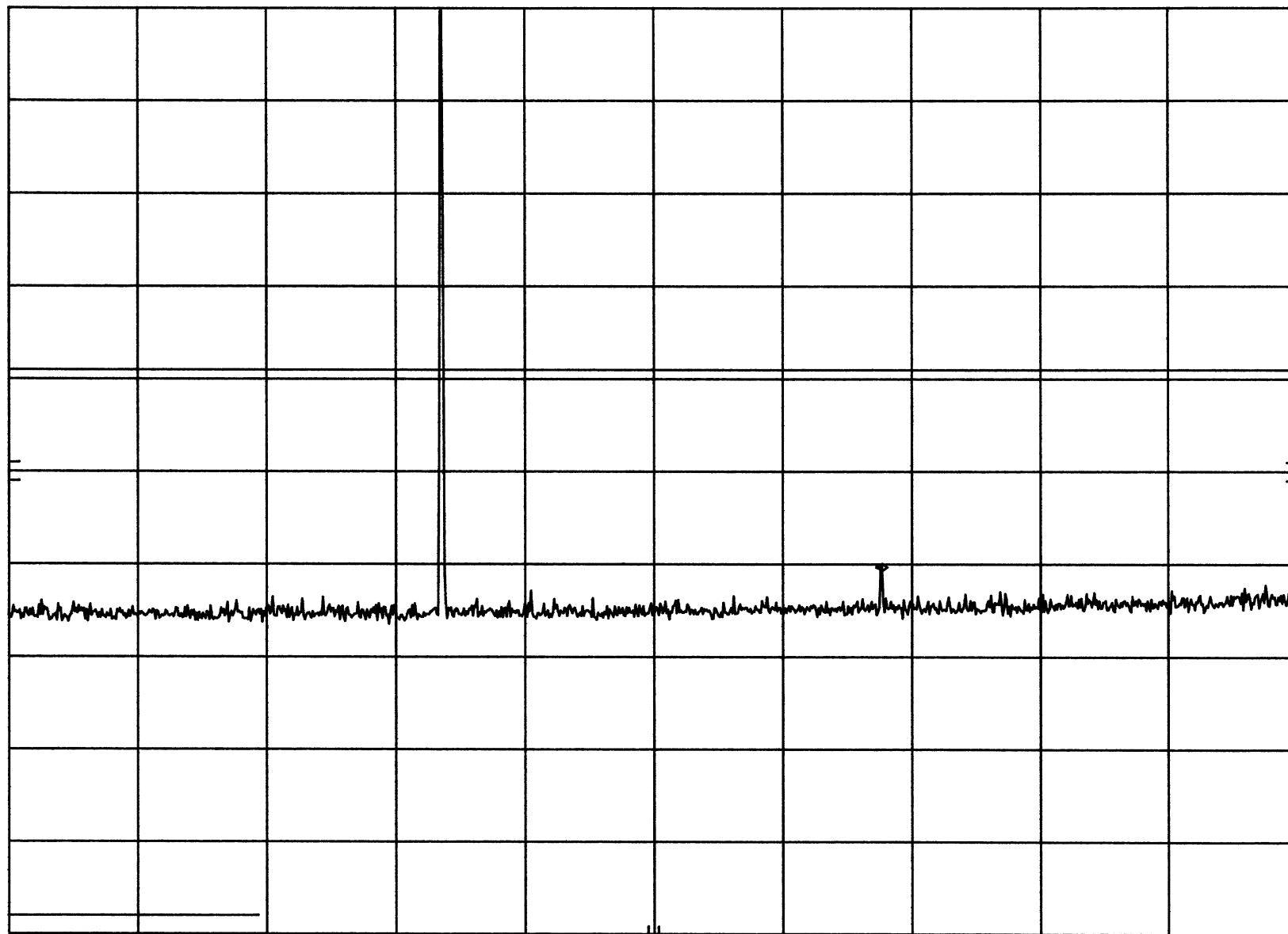
FCC ID A3LSPHM100 COND SPURS FM Ch 0799 MKR 1.693 GHz
hp REF 26.0 dBm ATTN 40 dB + 20 dB -34.30 dBm

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 ATTEN 40 dB + 20 dB -29.20 dBm

hp

10 dB/

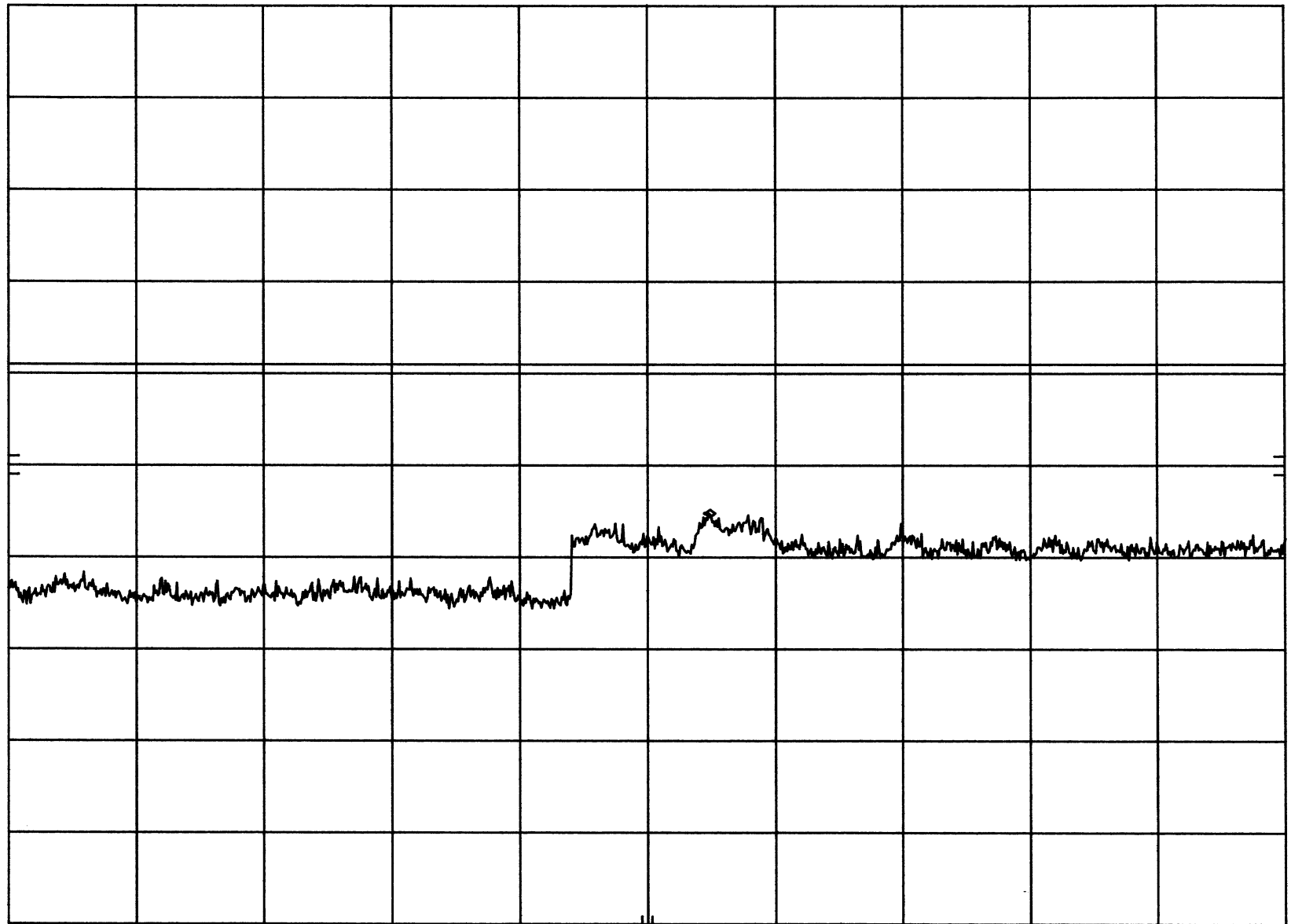
POS PK

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

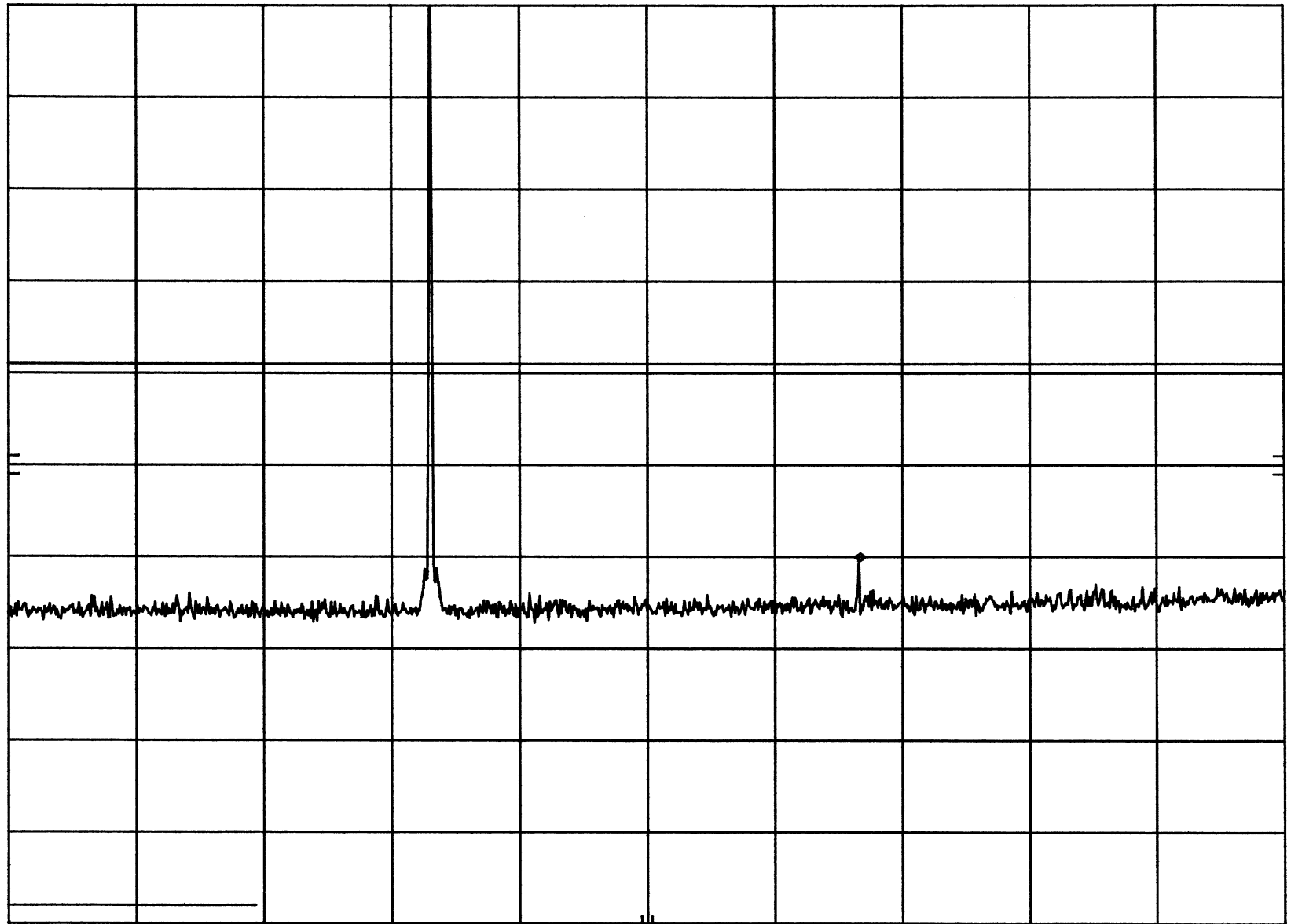
10 dB/

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

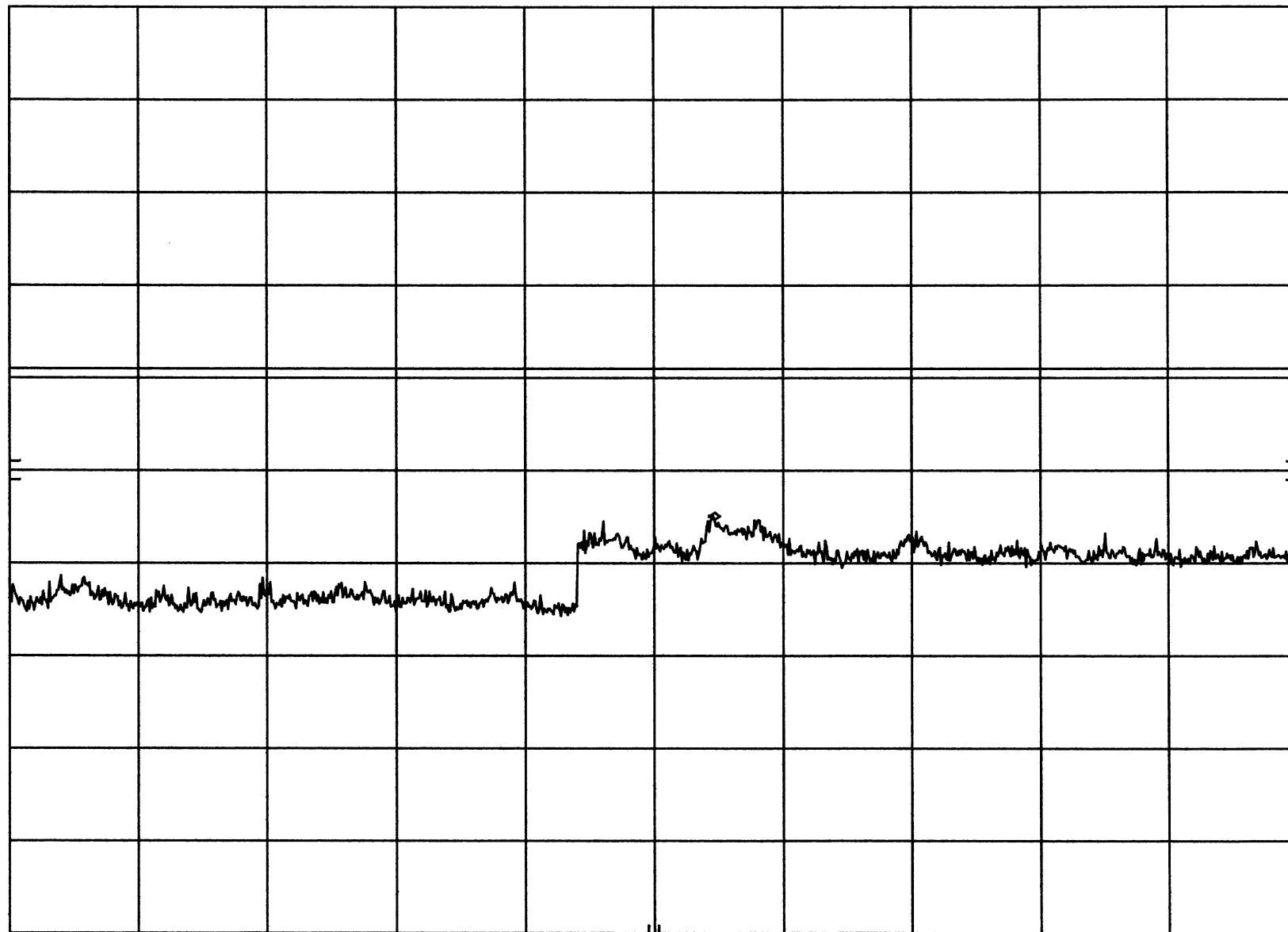
FCC ID A3LSPHM100 COND SPURS FM Ch 0363 MKR 6.595 GHz
hp REF 26.0 dBm ATTN 40 dB + 20 dB -28.90 dBm

10 dB/

POS PK

OFFSET
1.4
dB

DL
-13.0
dBm



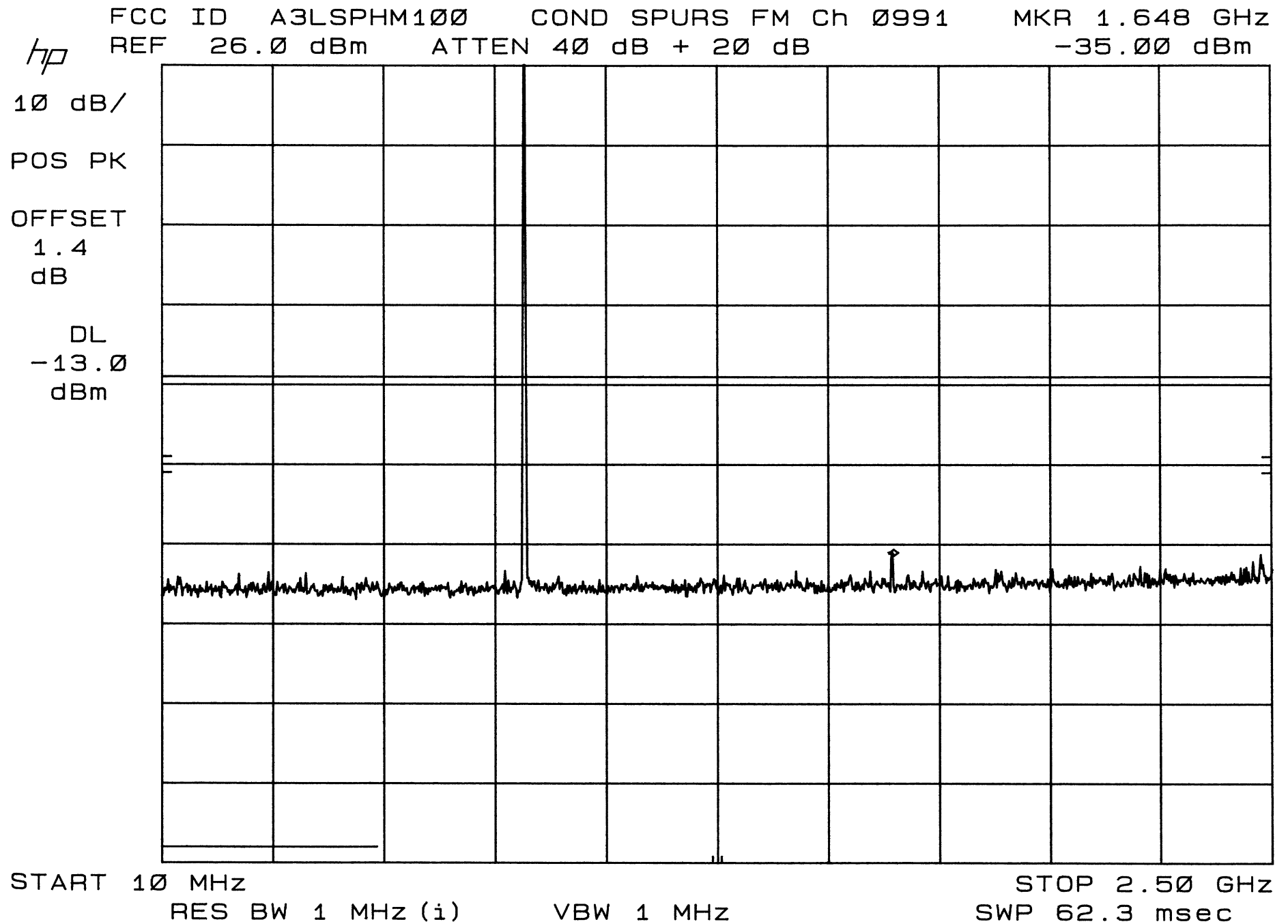
START 2.50 GHz

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

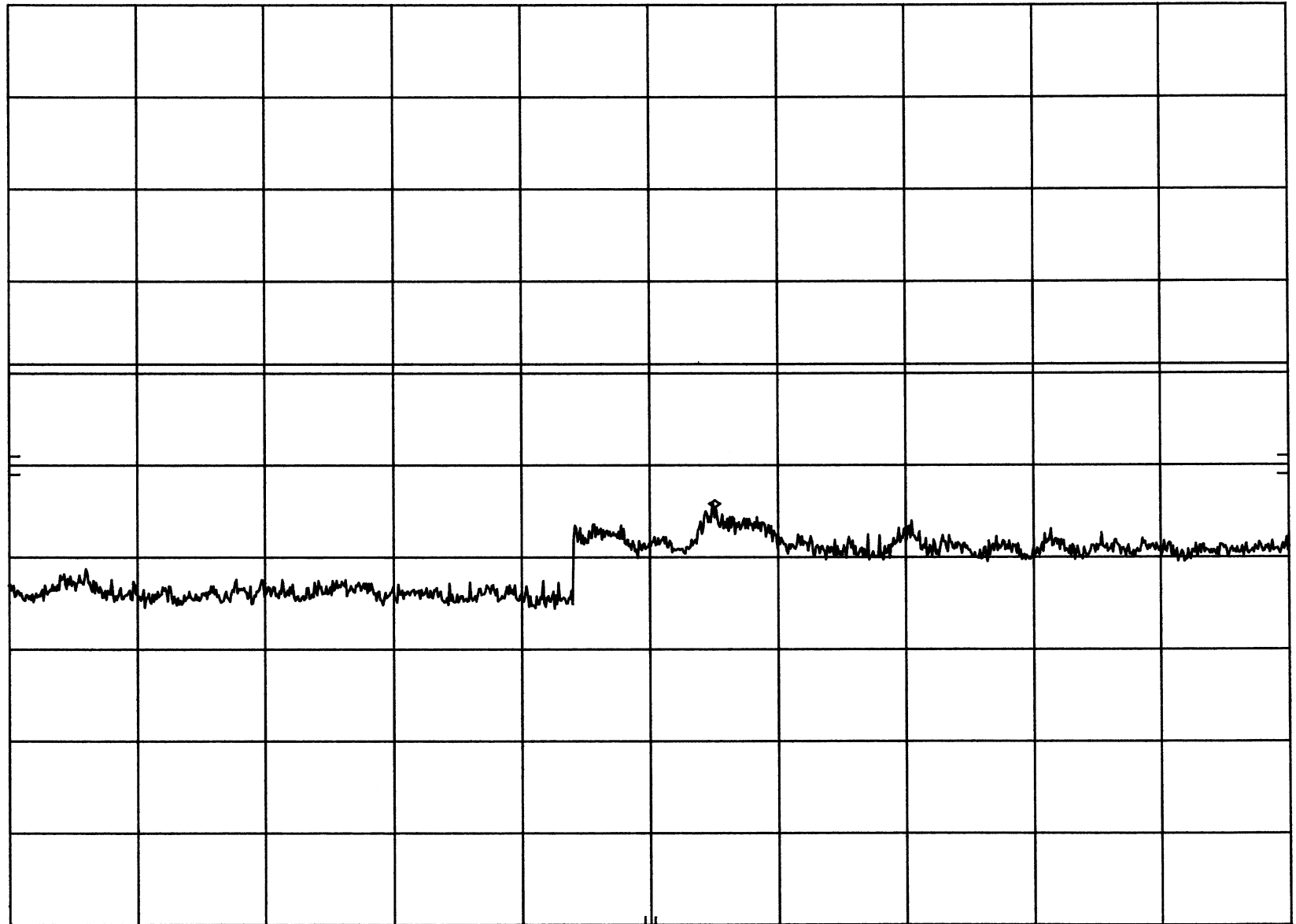
1.4

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 10.00 GHz

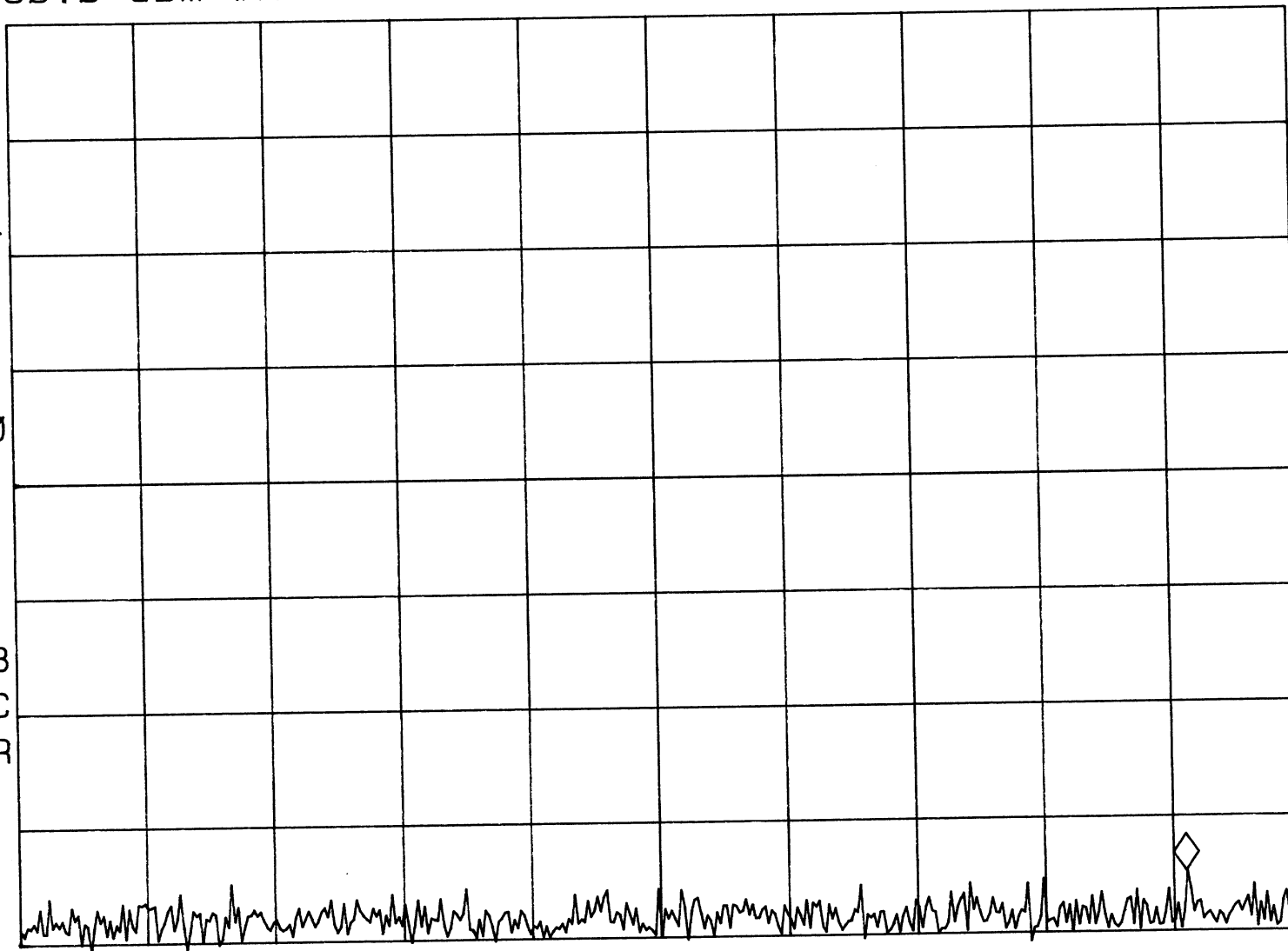
SWP 188 msec

~~/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

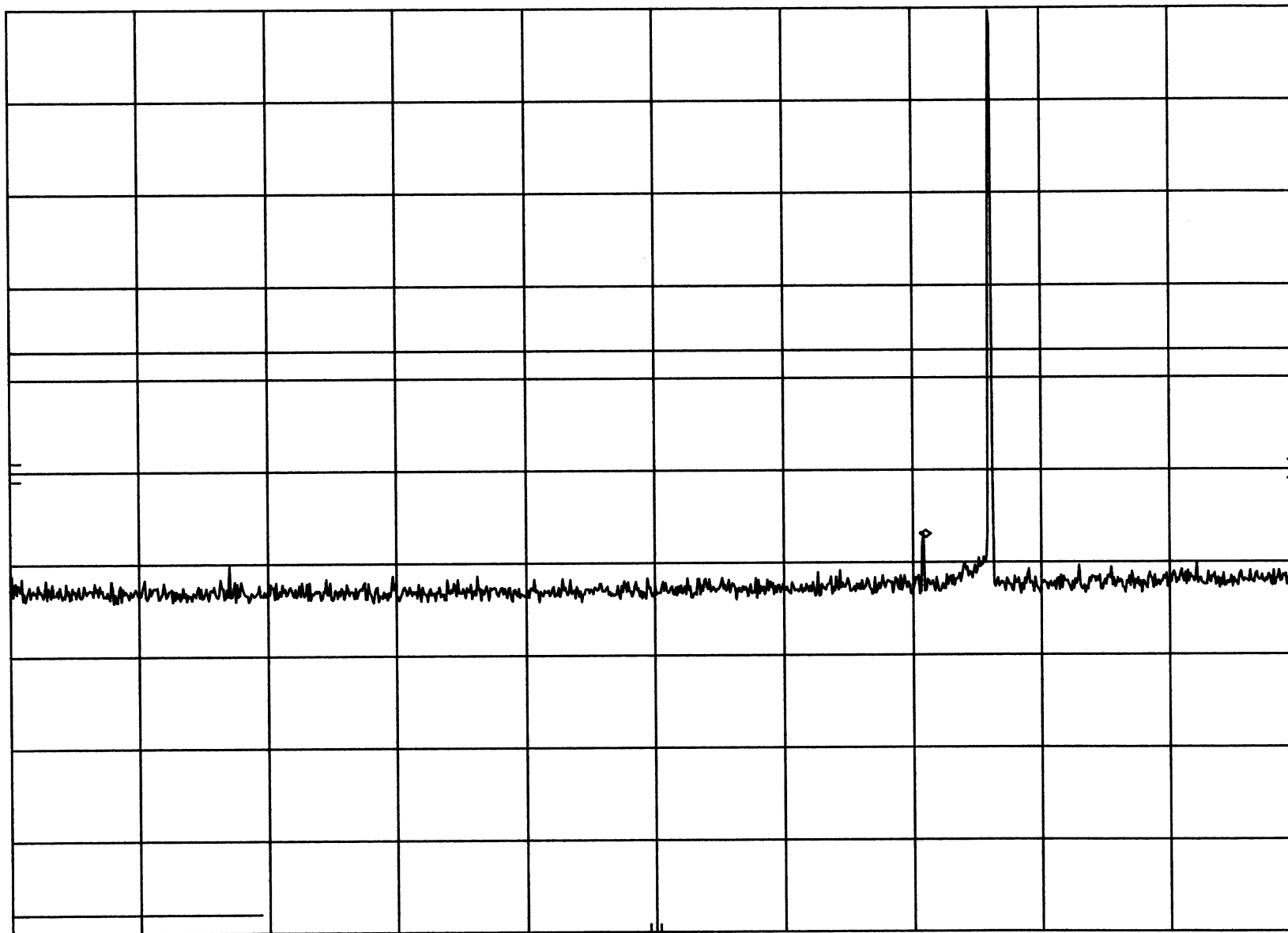
#VBW 300 kHz

STOP 894.00 MHz

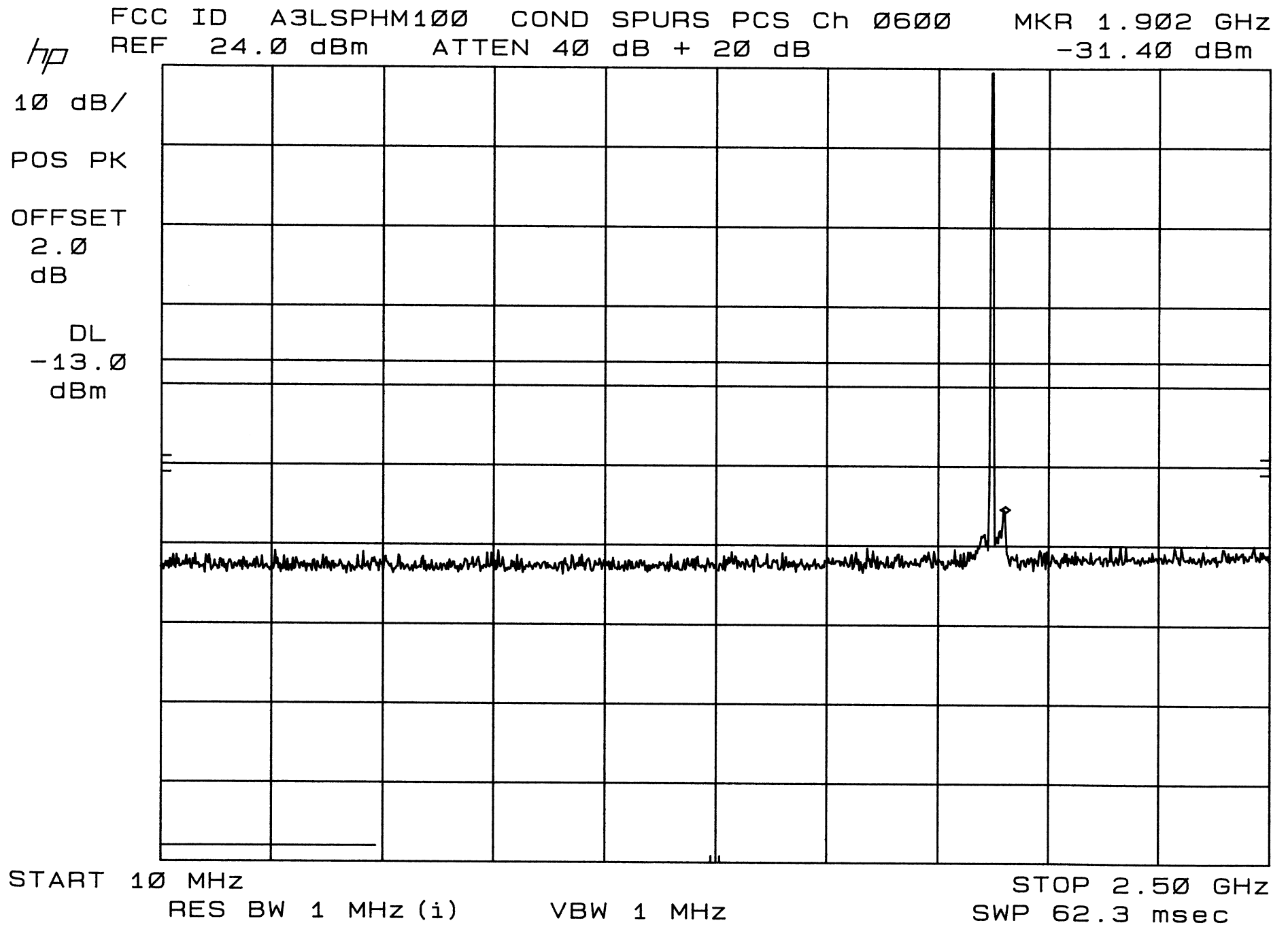
SWP 20 msec

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 STOP 2.50 GHz
RES BW 1 MHz (i) VBW 1 MHz SWP 62.3 msec



hp

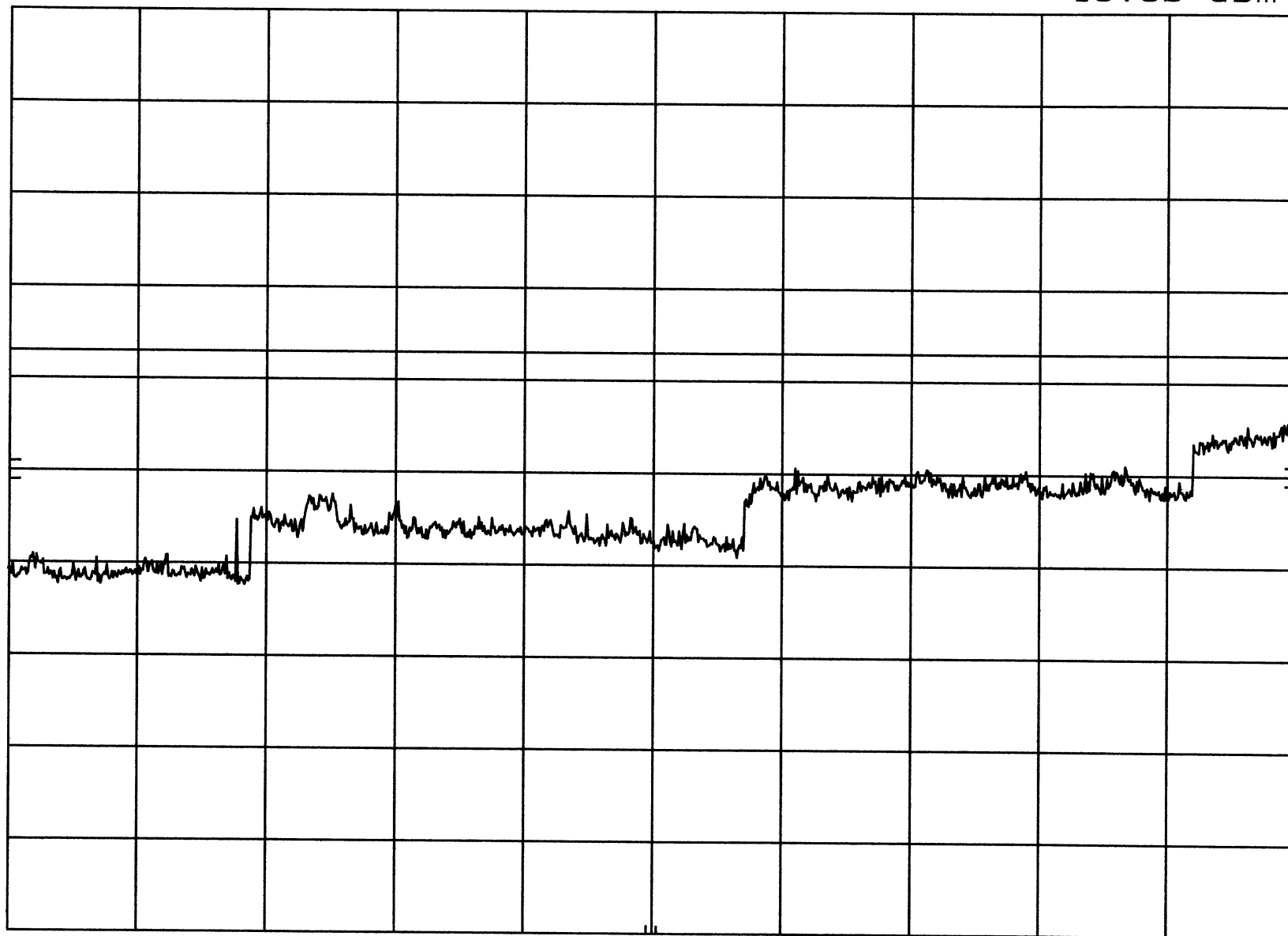
FCC ID A3LSPHM100 COND SPURS PCS Ch 0600 MKR 19.97 GHz
REF 24.0 dBm ATTEN 40 dB + 20 dB -19.90 dBm

10 dB/

POS PK

OFFSET
2.0
dB

DL
-13.0
dBm



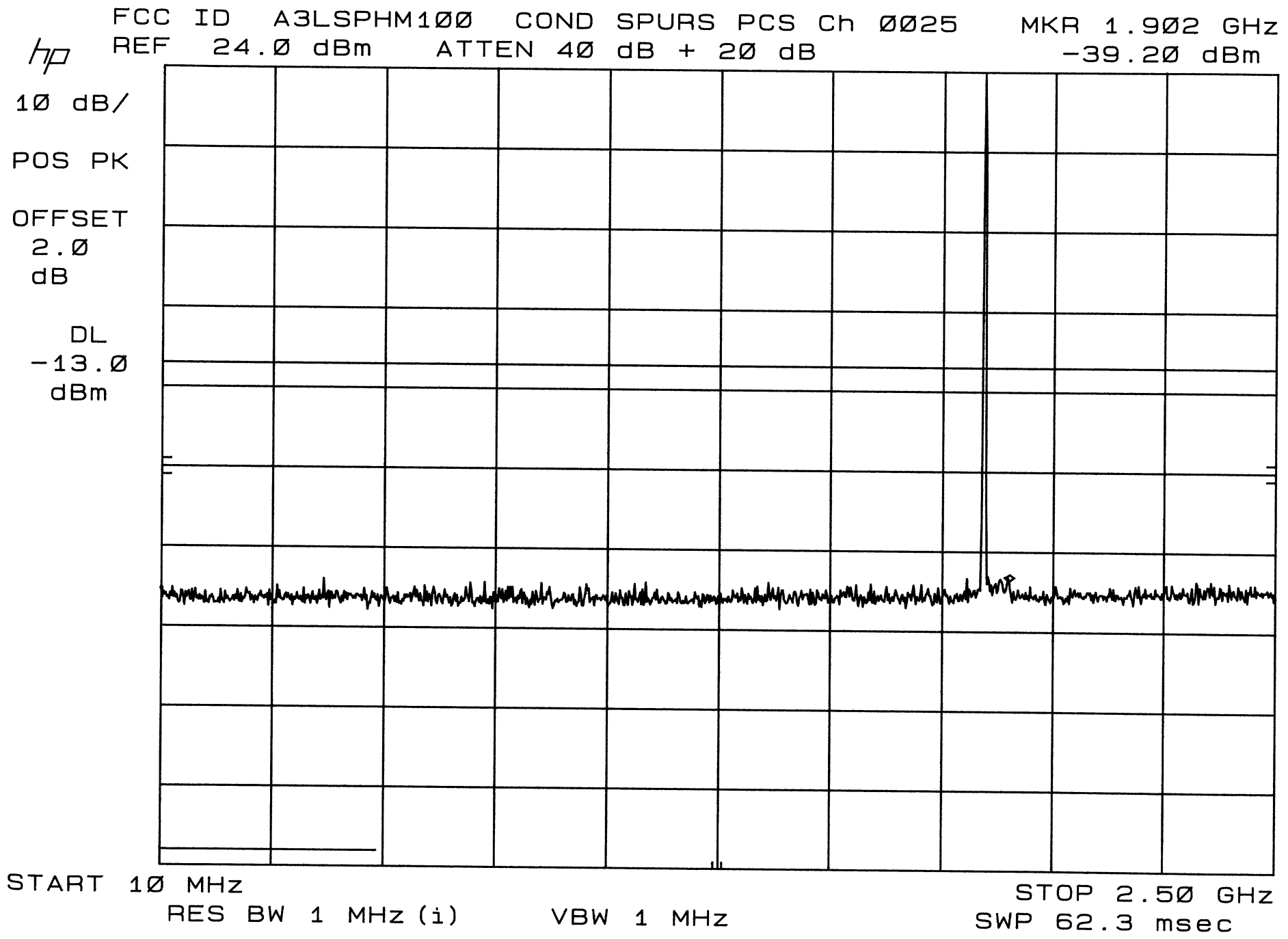
START 2.5 GHz

RES BW 1 MHz (i)

VBW 1 MHz

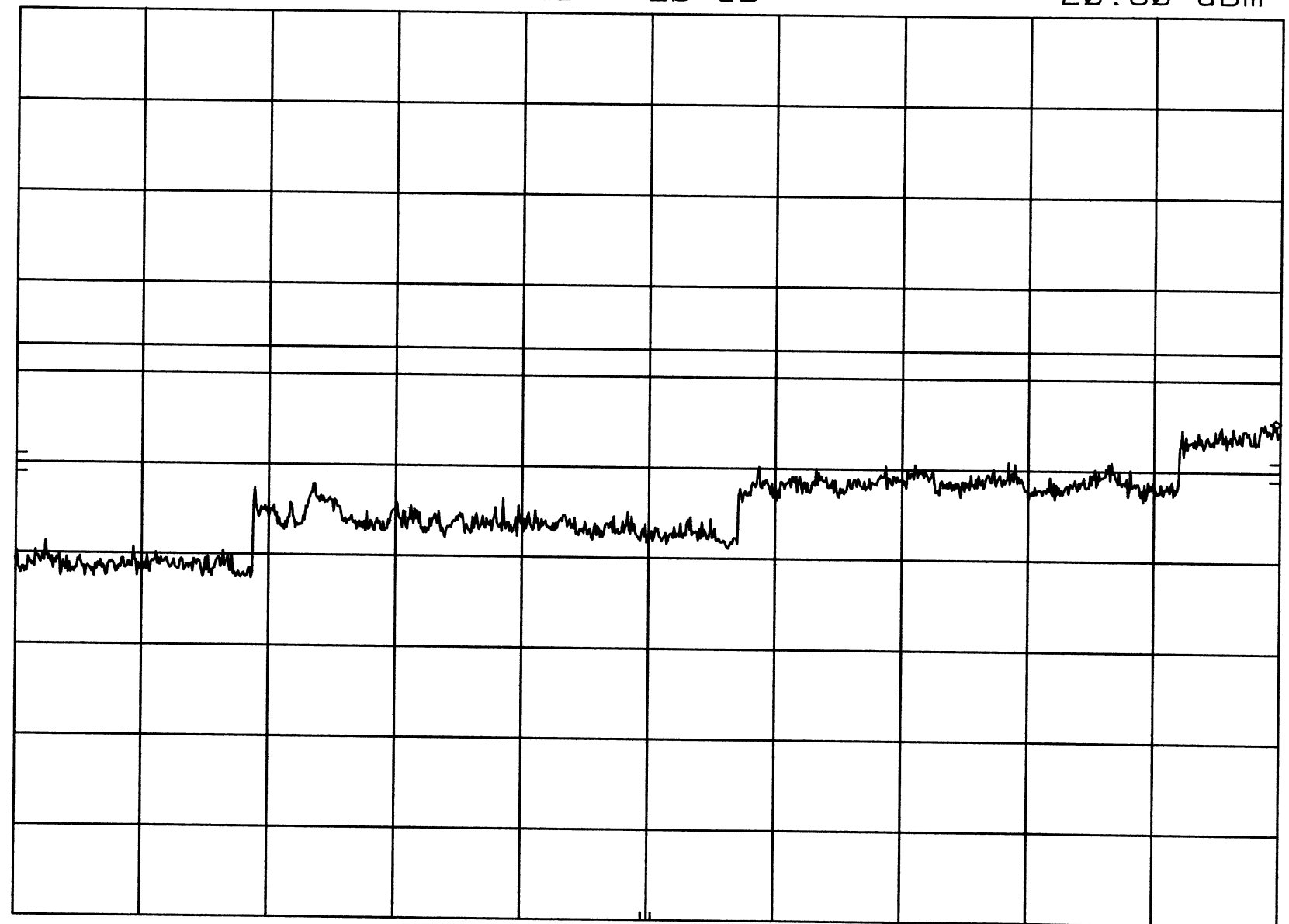
STOP 20.0 GHz

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

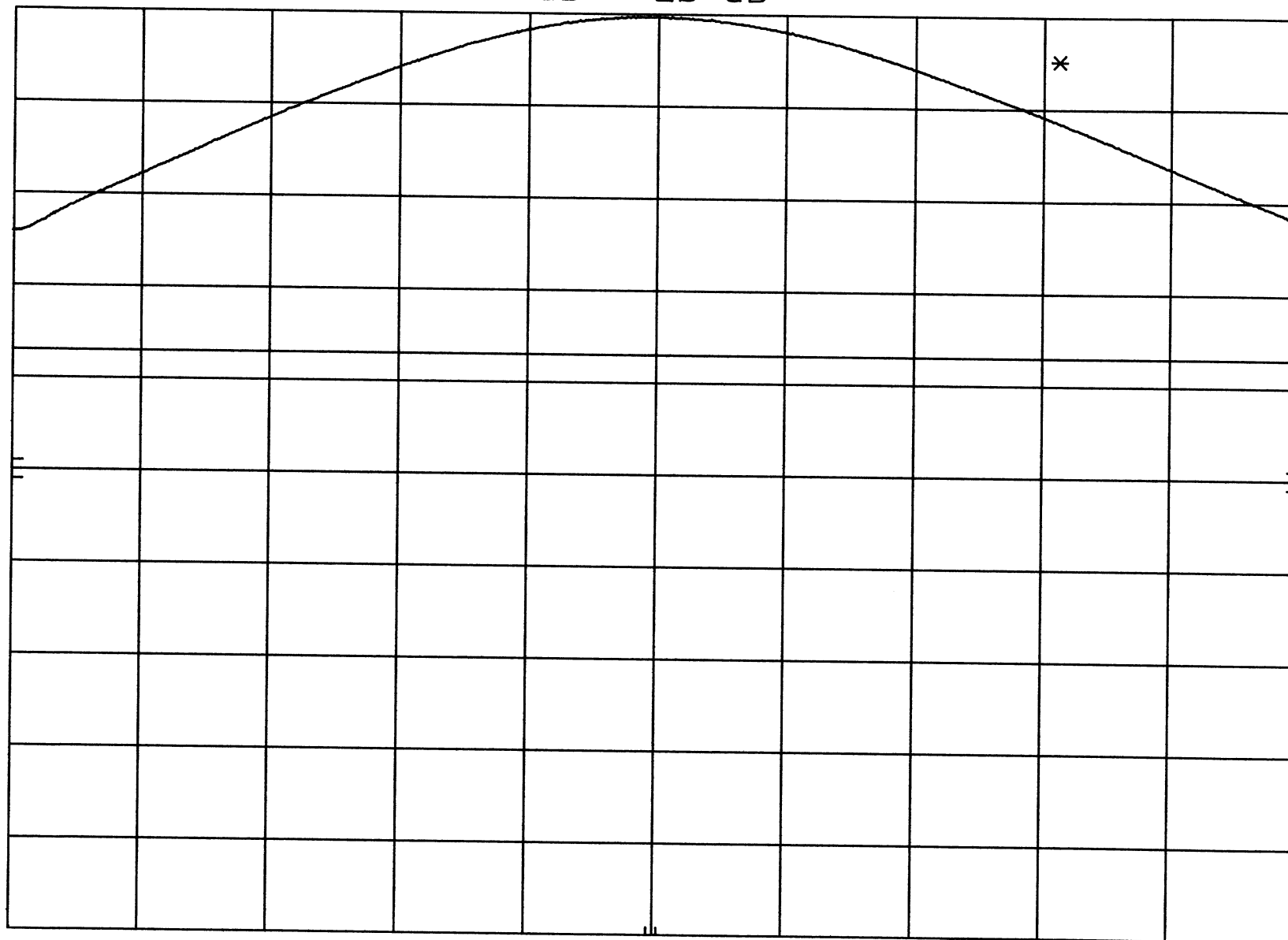
REF 24.0 dBm ATTEN 40 dB + 20 dB

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

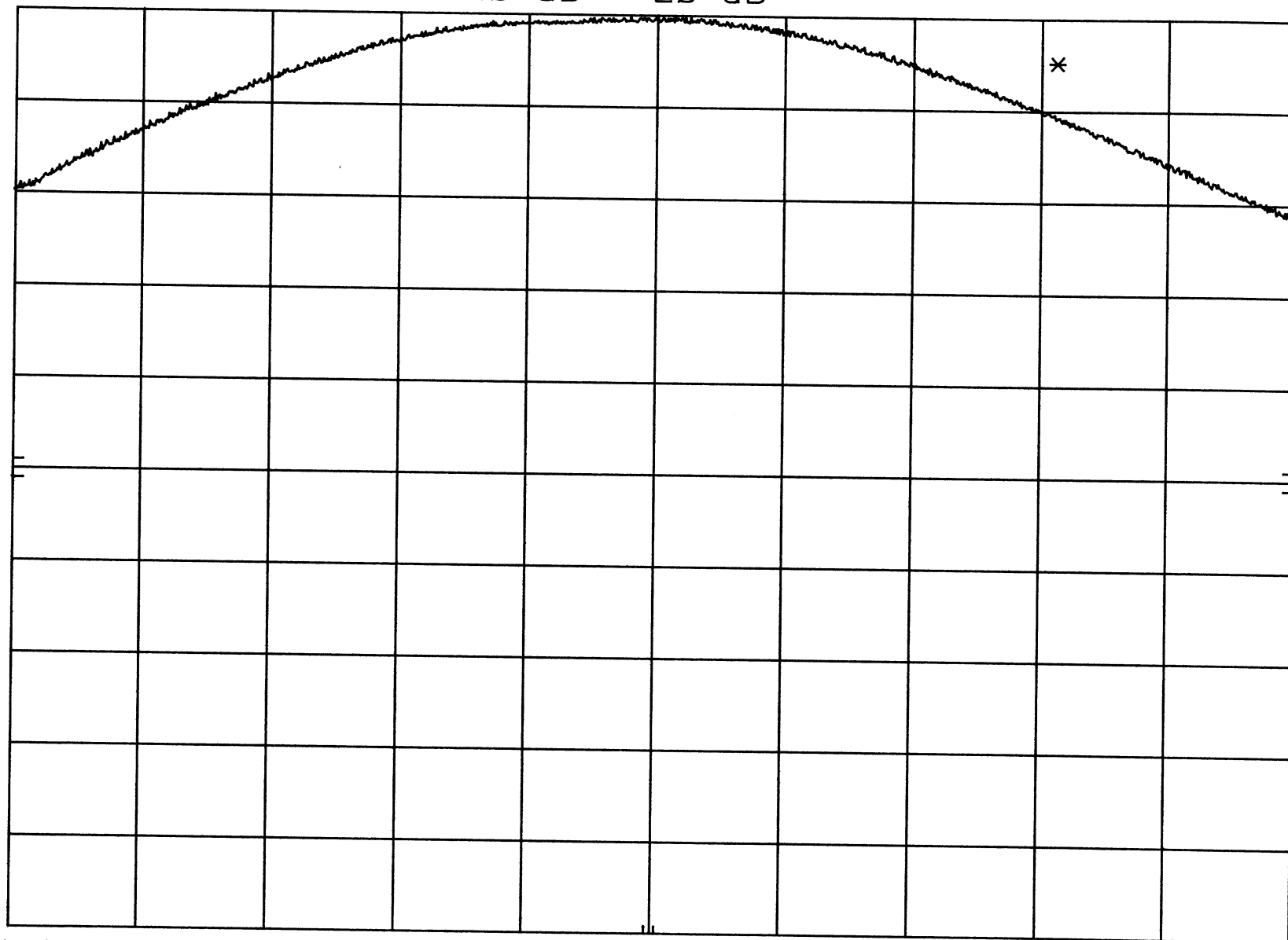
hp

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 0 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

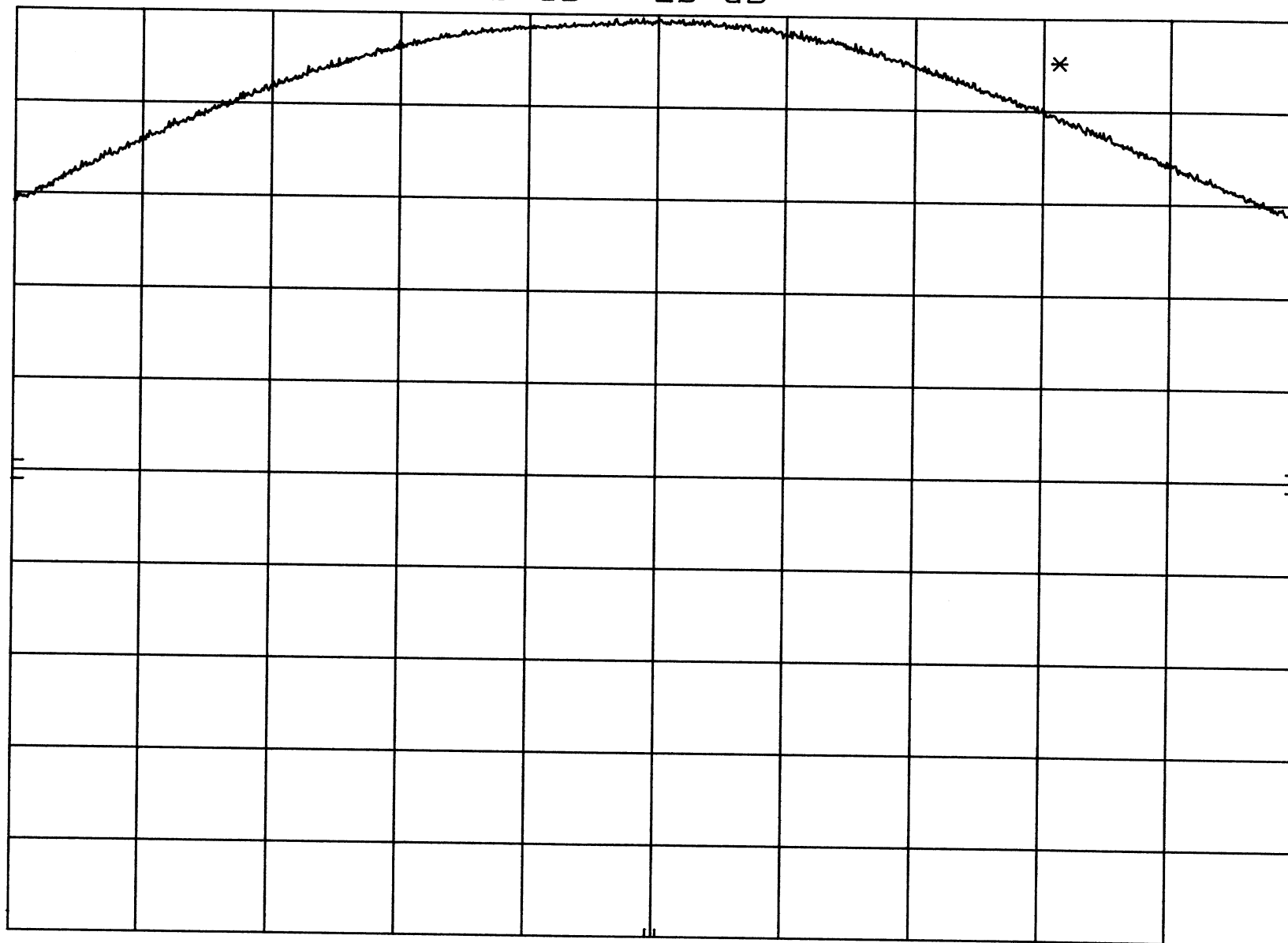
10 dB/

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

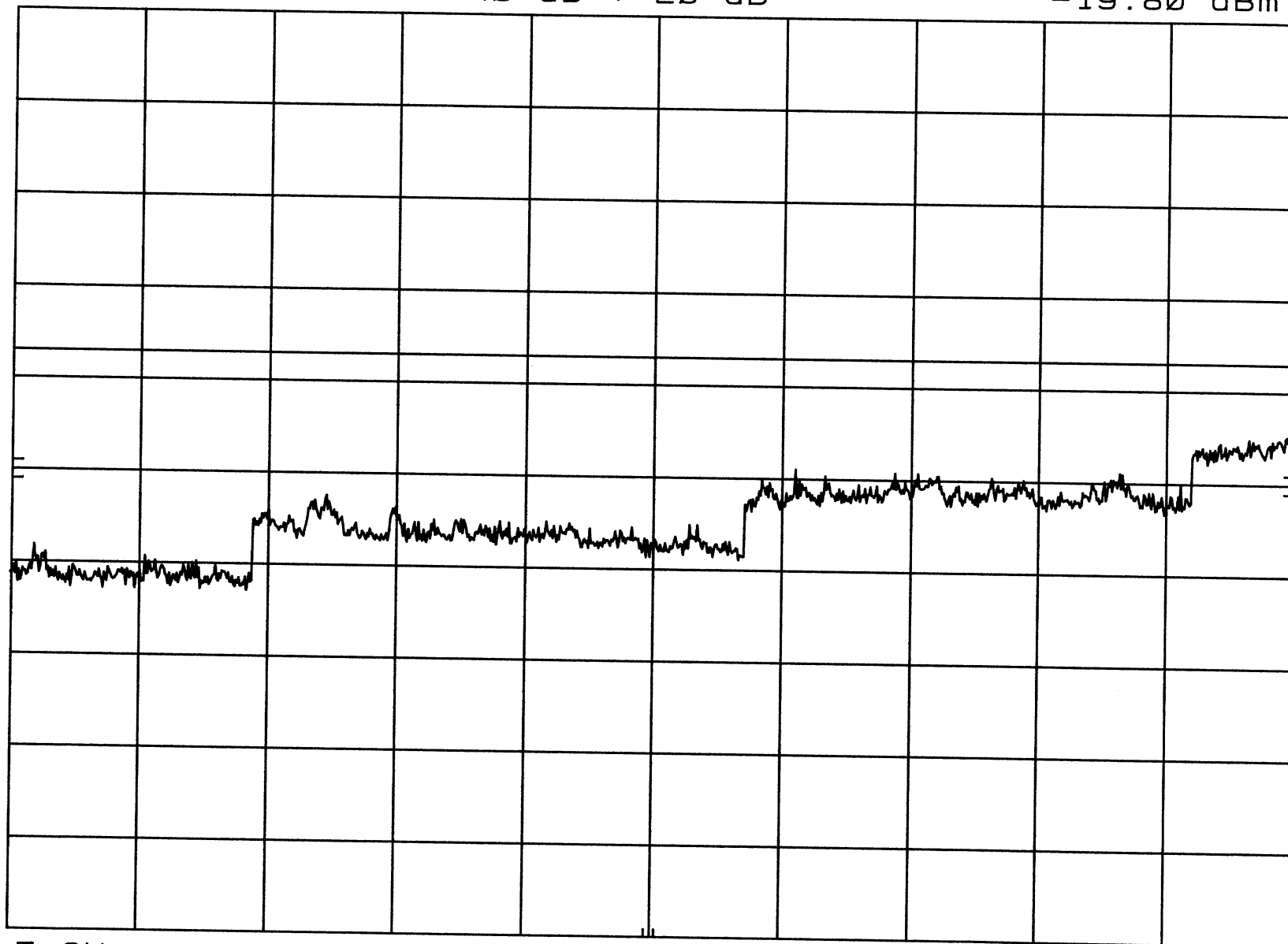
FCC ID A3LSPHM100 COND SPURS PCS Ch 1175 MKR 19.98 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -19.80 dBm

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

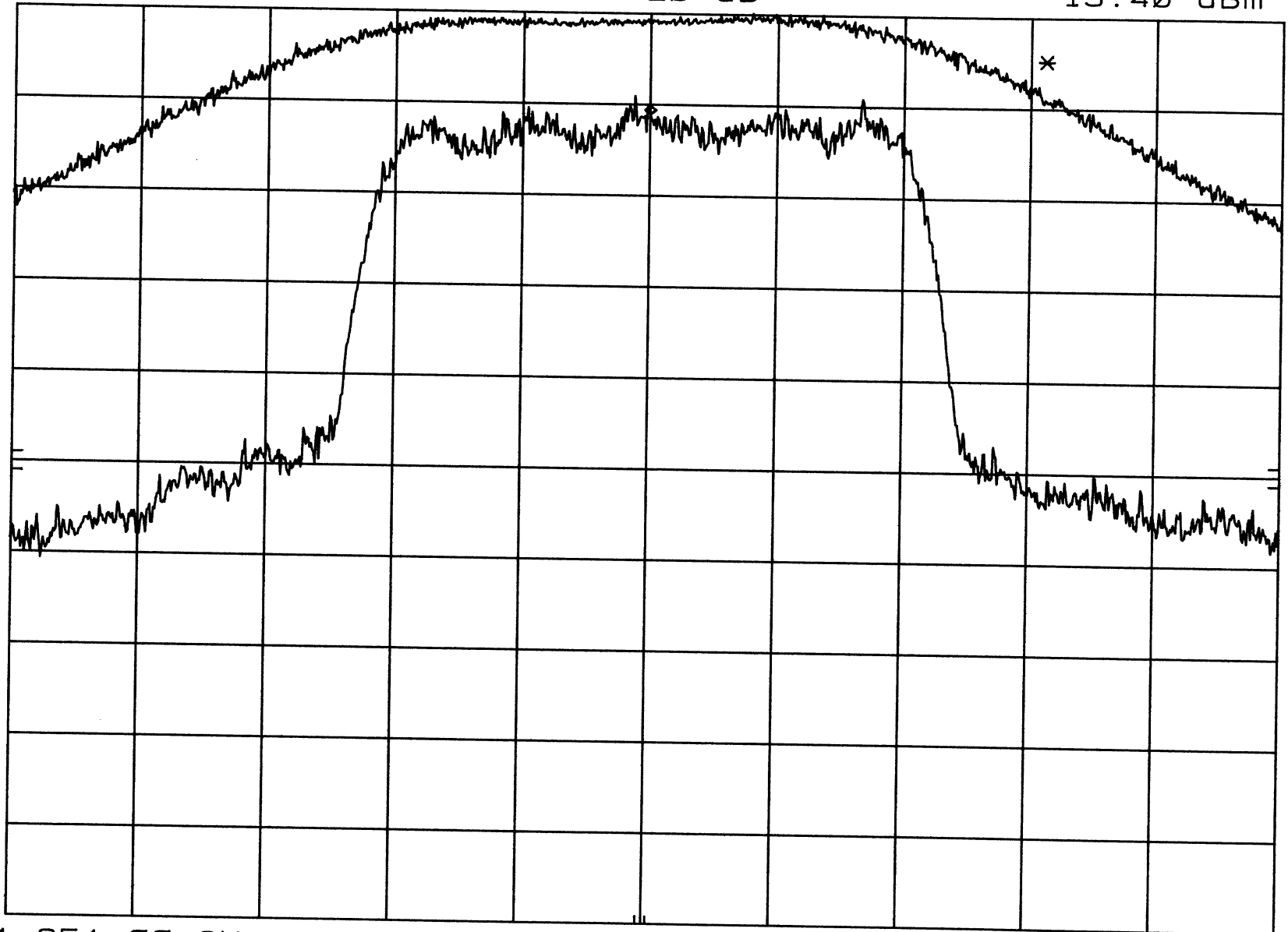
10 dB/

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

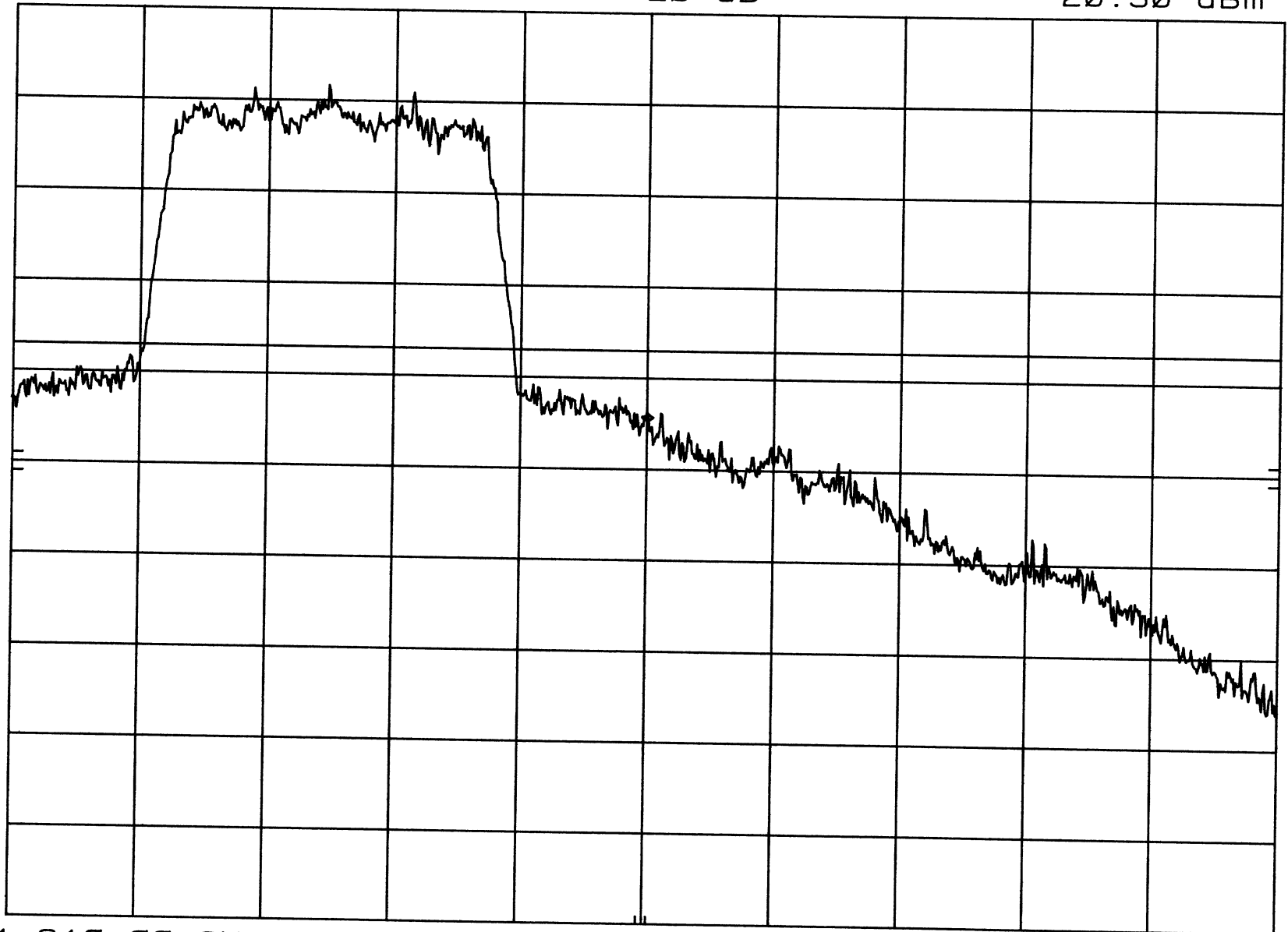
hp FCC ID A3LSPHM100 BAND EDGE PCS Ch 1175 MKR 1.910 000 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -20.30 dBm

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

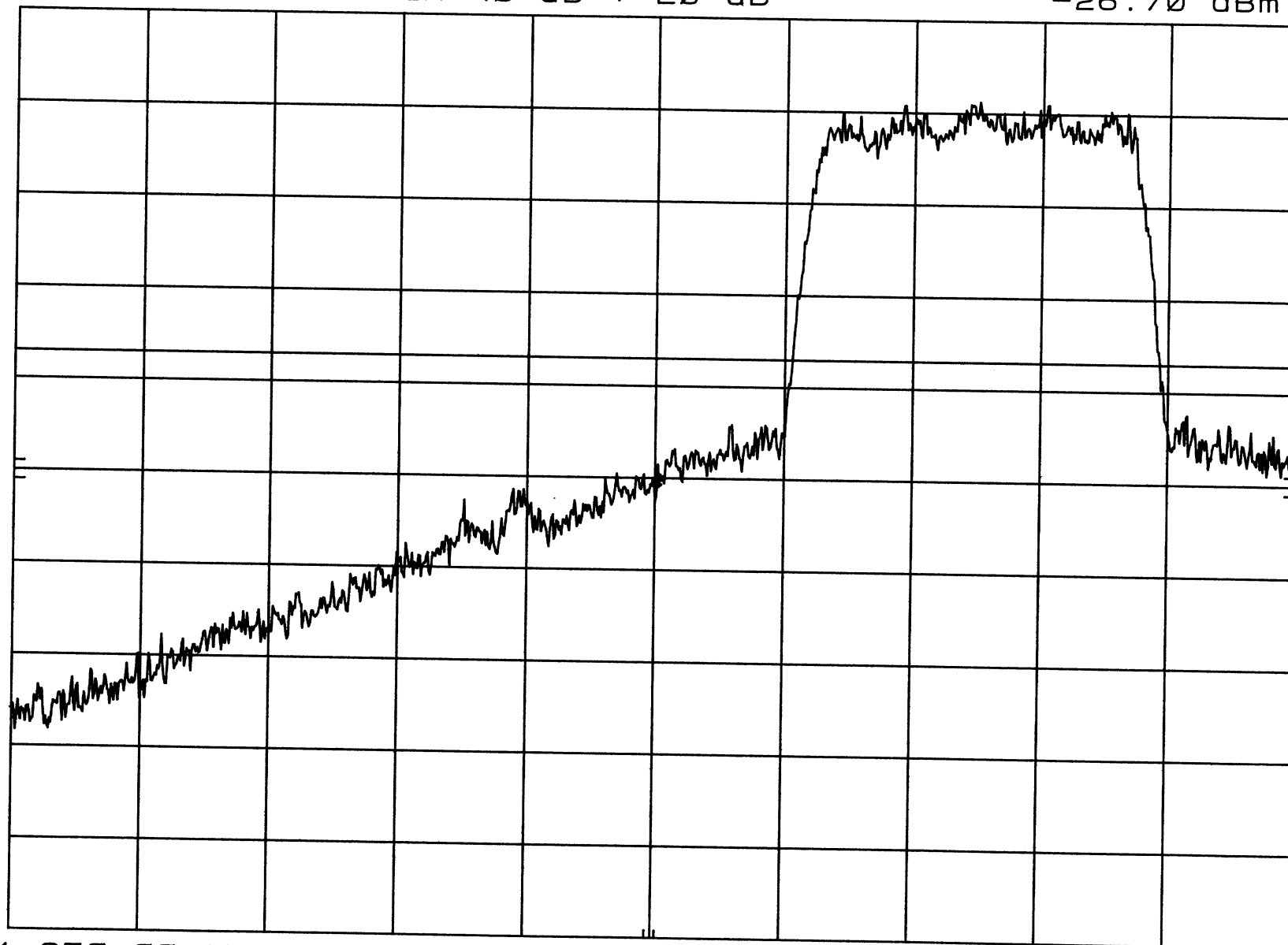
hp FCC ID A3LSPHM100 BAND EDGE PCS Ch 0025 MKR 1.850 000 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -26.70 dBm

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

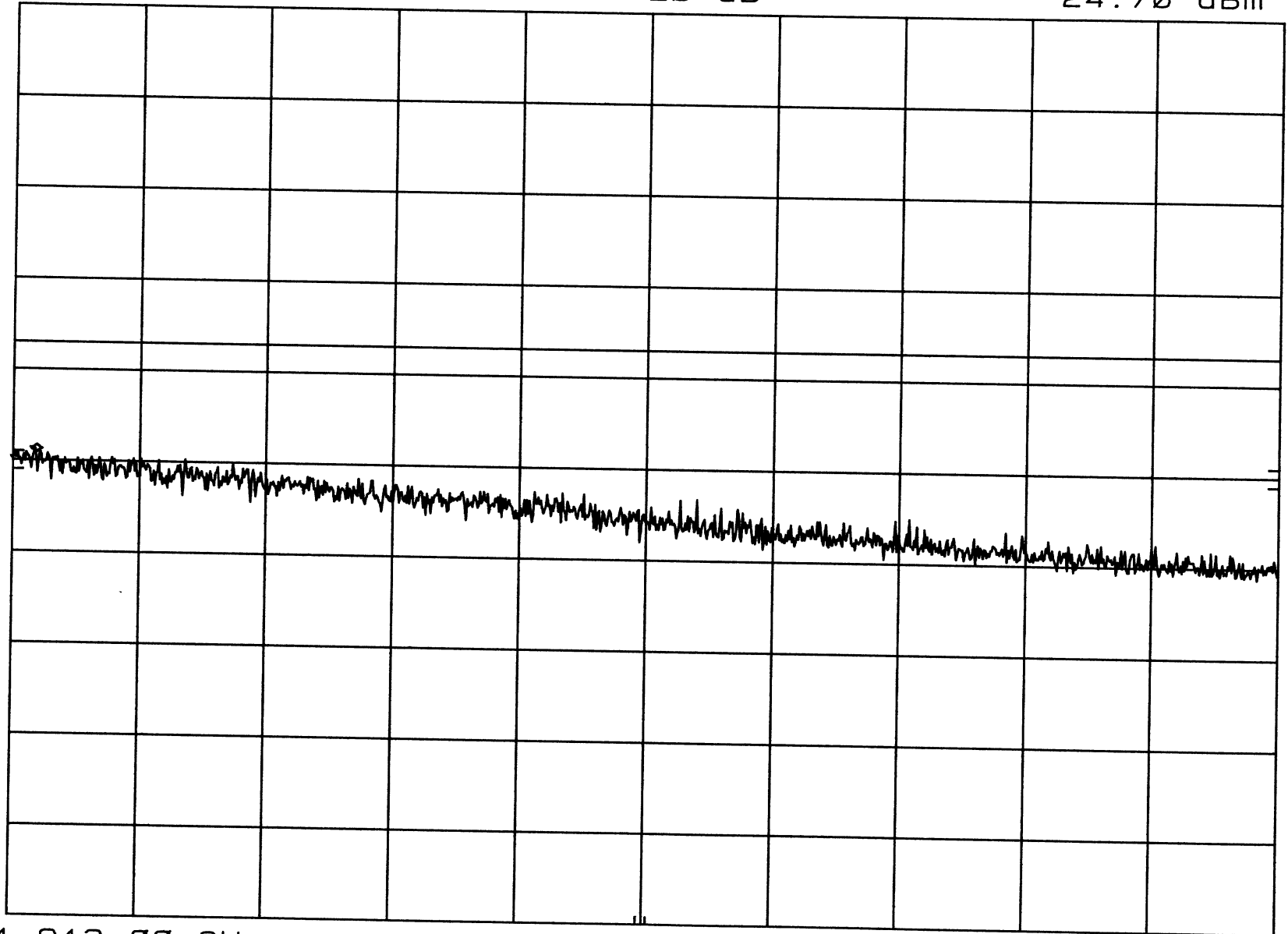
FCC ID A3LSPHM100 BAND EDGE PCS Ch 1175 MKR 1.912 518 GHz
REF 24.0 dBm ATTEN 40 dB + 20 dB -24.70 dBm

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

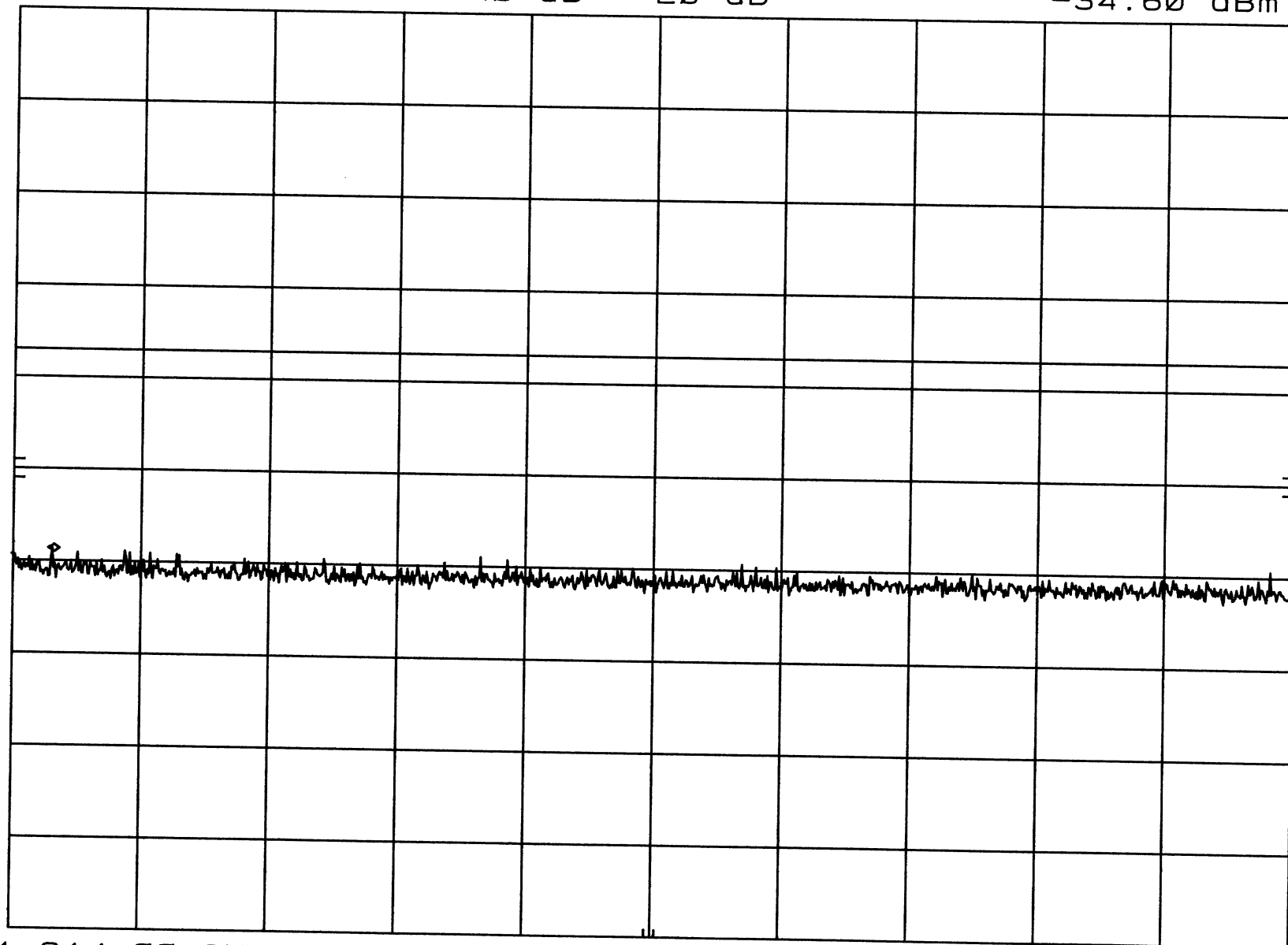
10 dB/

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

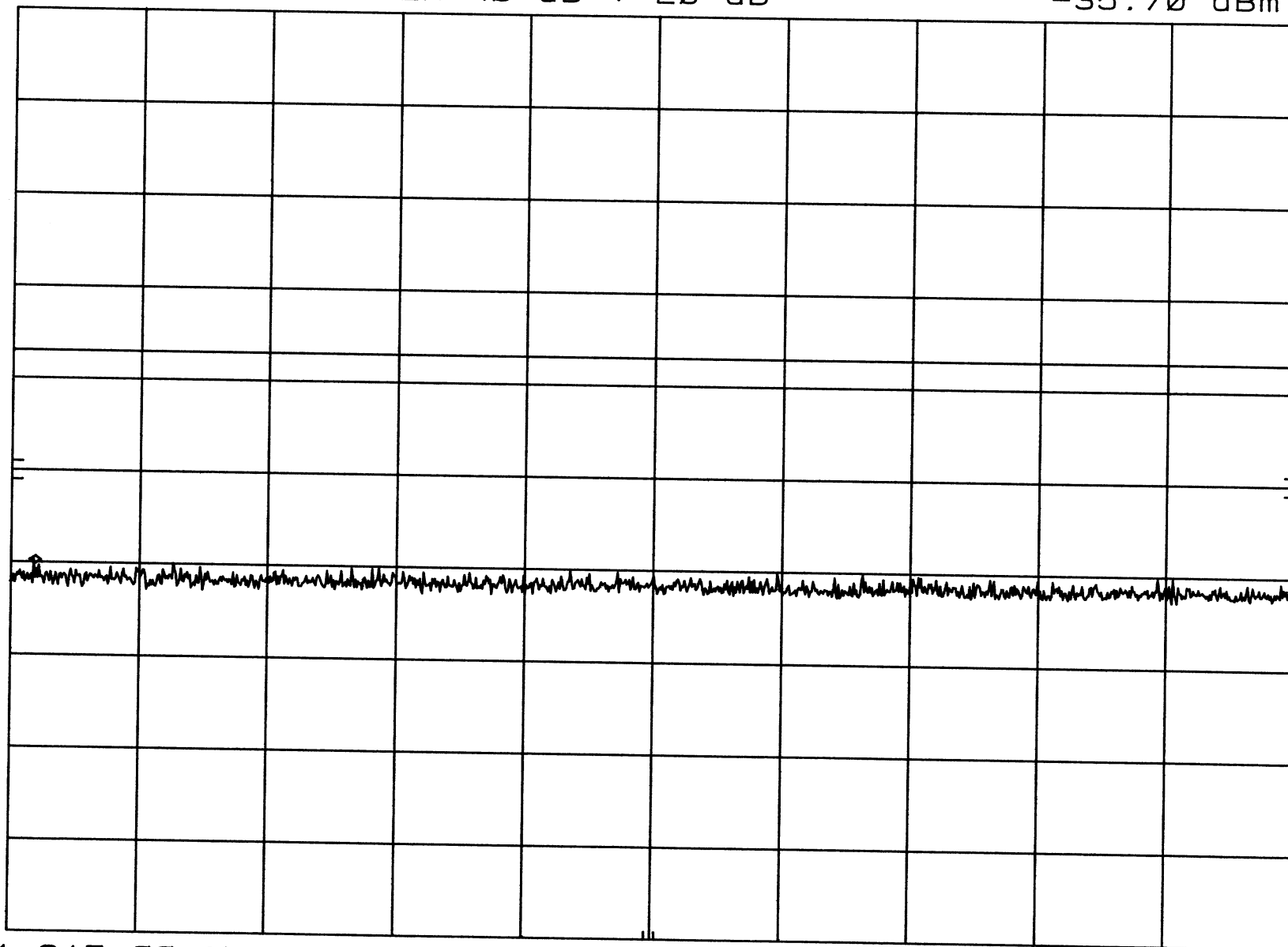
10 dB/

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

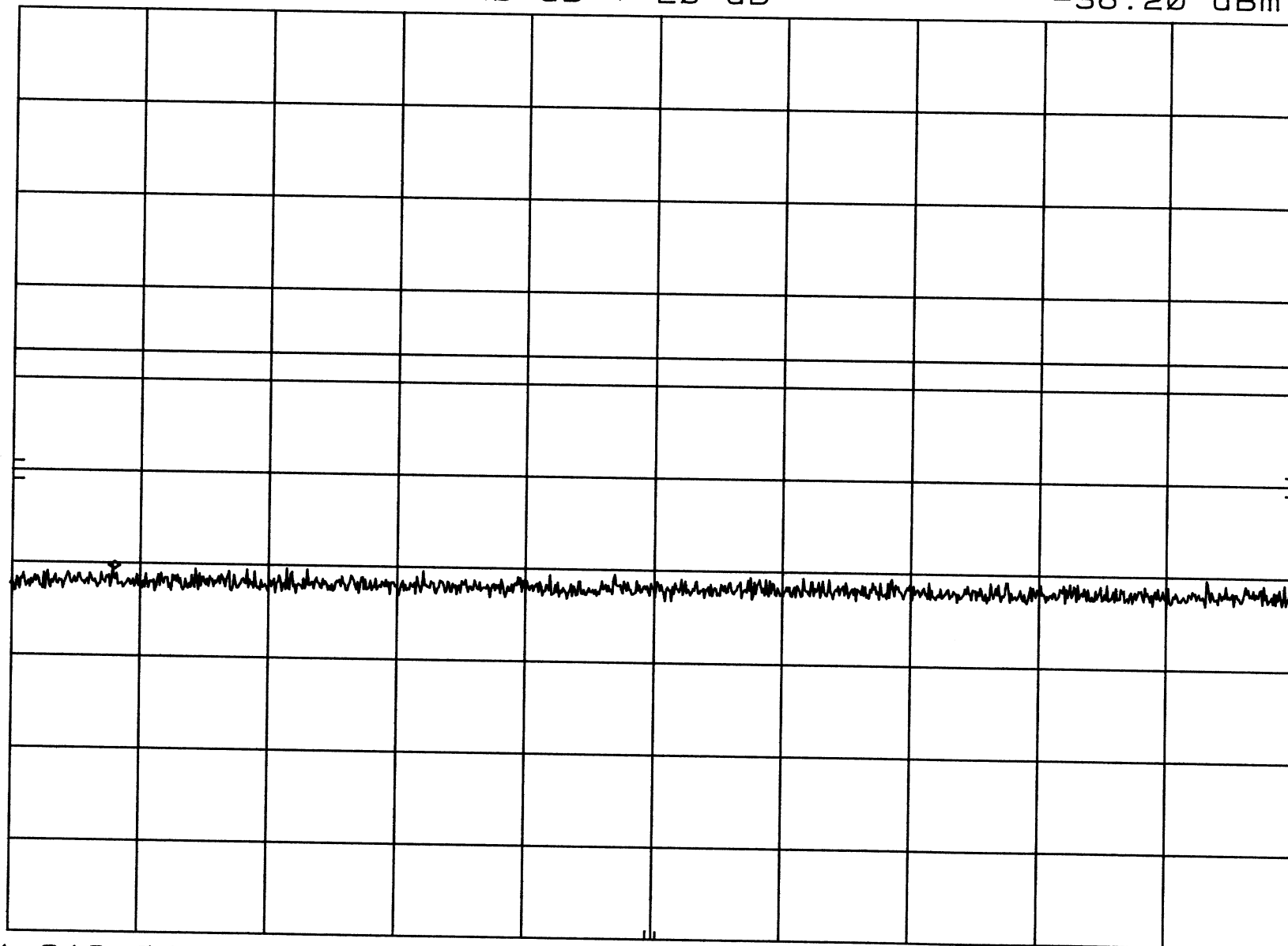
10 dB/

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

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

10 dB/

POS PK

OFFSET

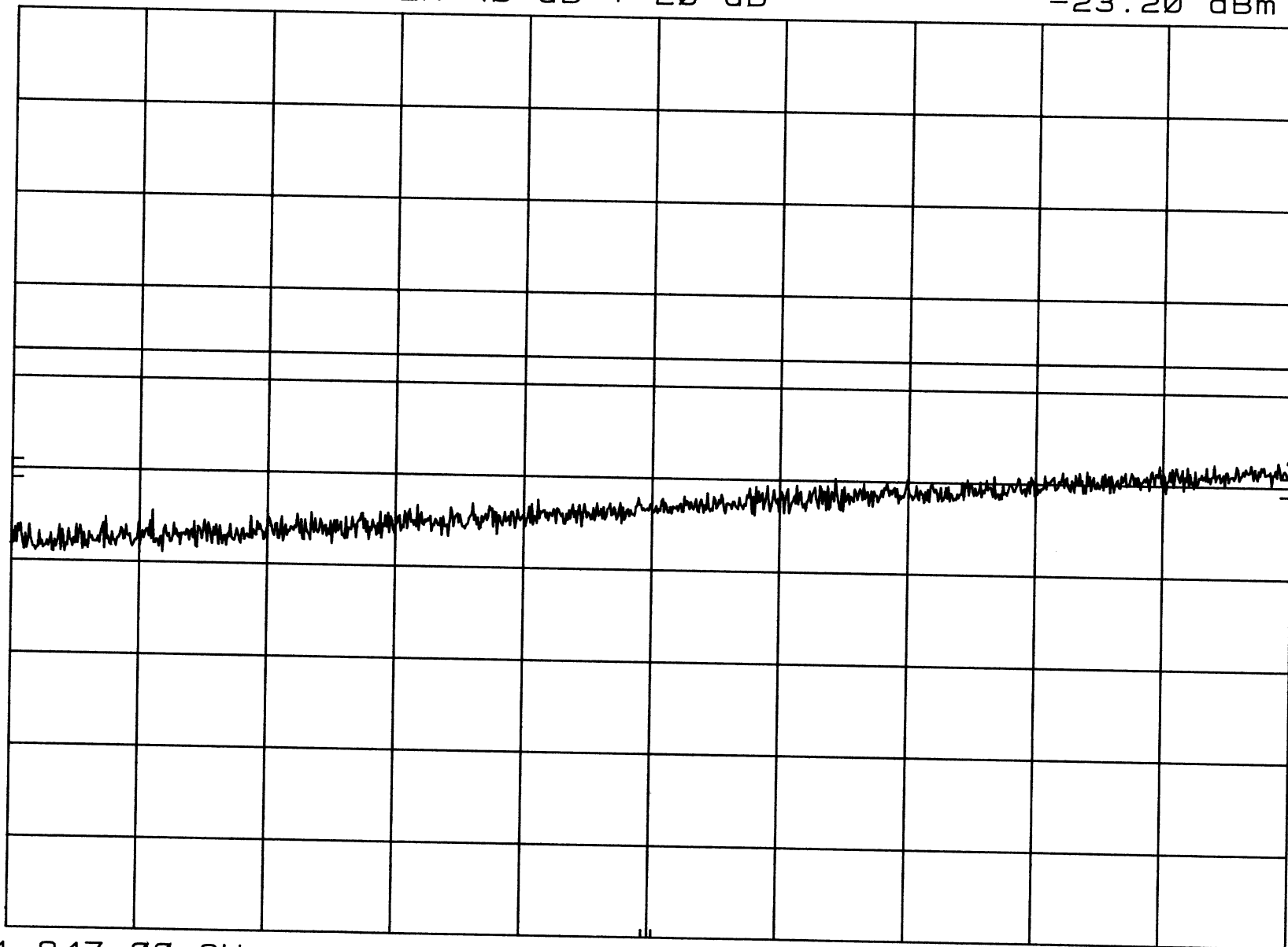
2.0

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/

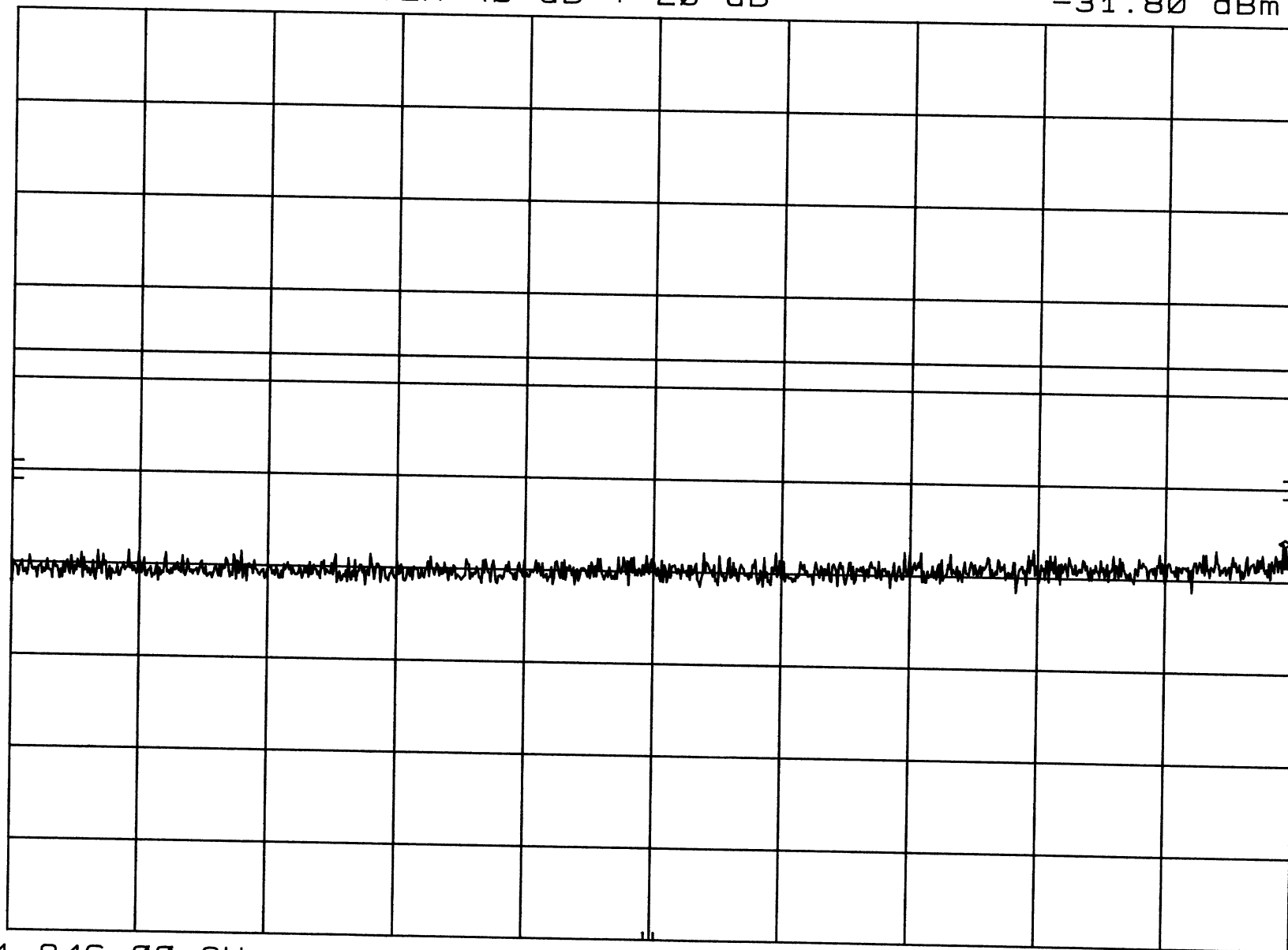
POS PK

OFFSET

2.0
dB

DL

-13.0
dBm



CENTER 1.846 00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 1.000 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

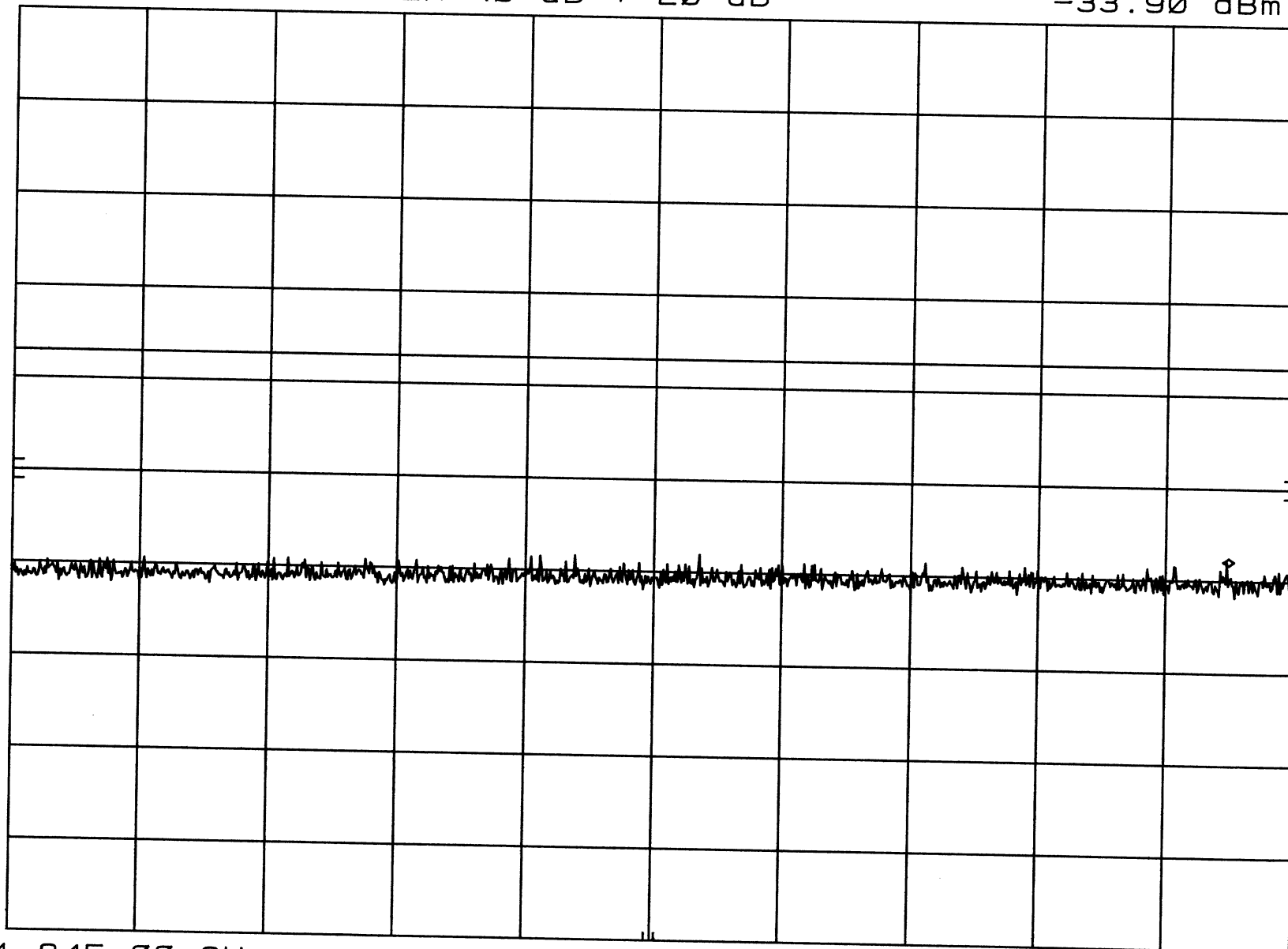
10 dB/

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

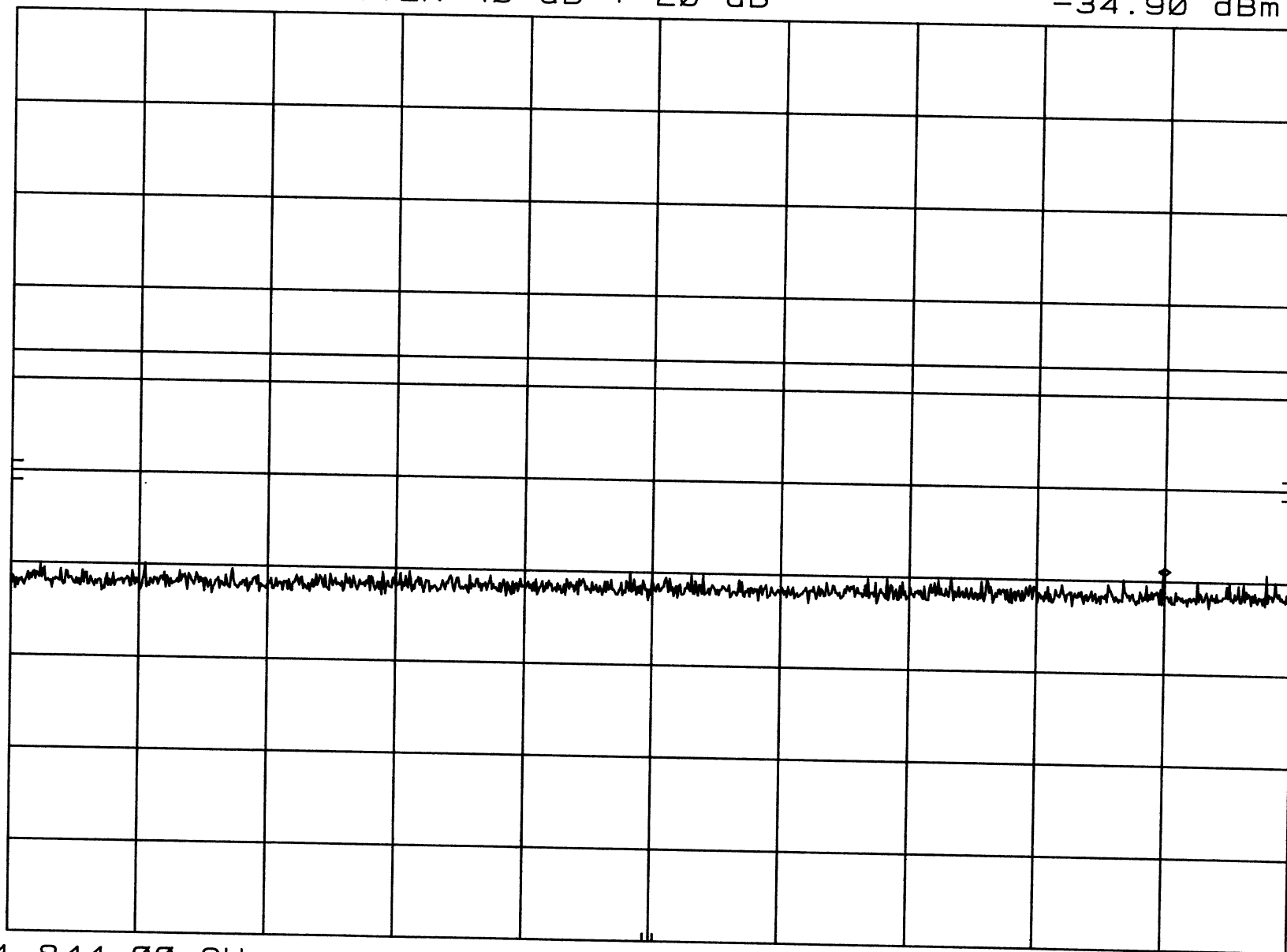
hp FCC ID A3LSPHM100 BAND EDGE PCS Ch 0025 MKR 1.844 399 GHz
REF 24.0 dBm ATTN 40 dB + 20 dB -34.90 dBm

10 dB/

POS PK

OFFSET
2.0
dB

DL
-13.0
dBm

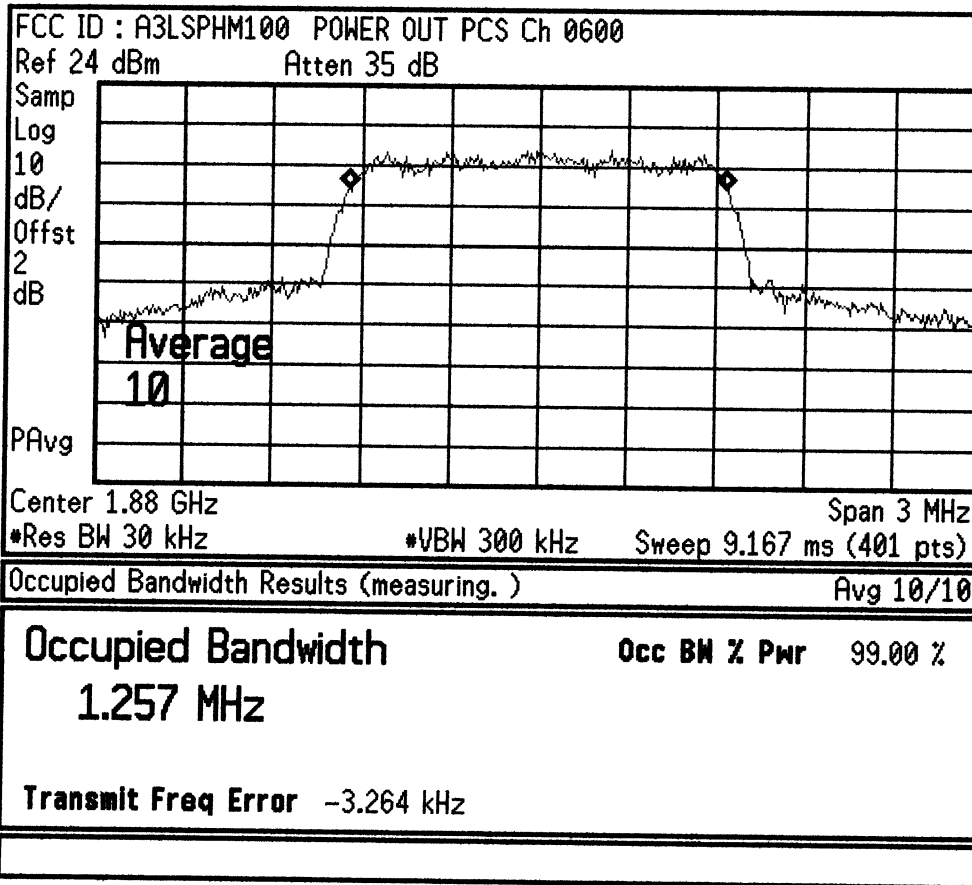


CENTER 1.844 00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

SPAN 1.00 MHz
SWP 20.0 msec



BW/Avg
Resolution BW 30.000000 kHz Auto Man
Video BW 300.000000 kHz Auto Man
VBW/RBW Ratio 10.00000
Average On 10 Off
Average Type Video Power
EMI Res BW None

PCTEST Engineering Lab., Inc.

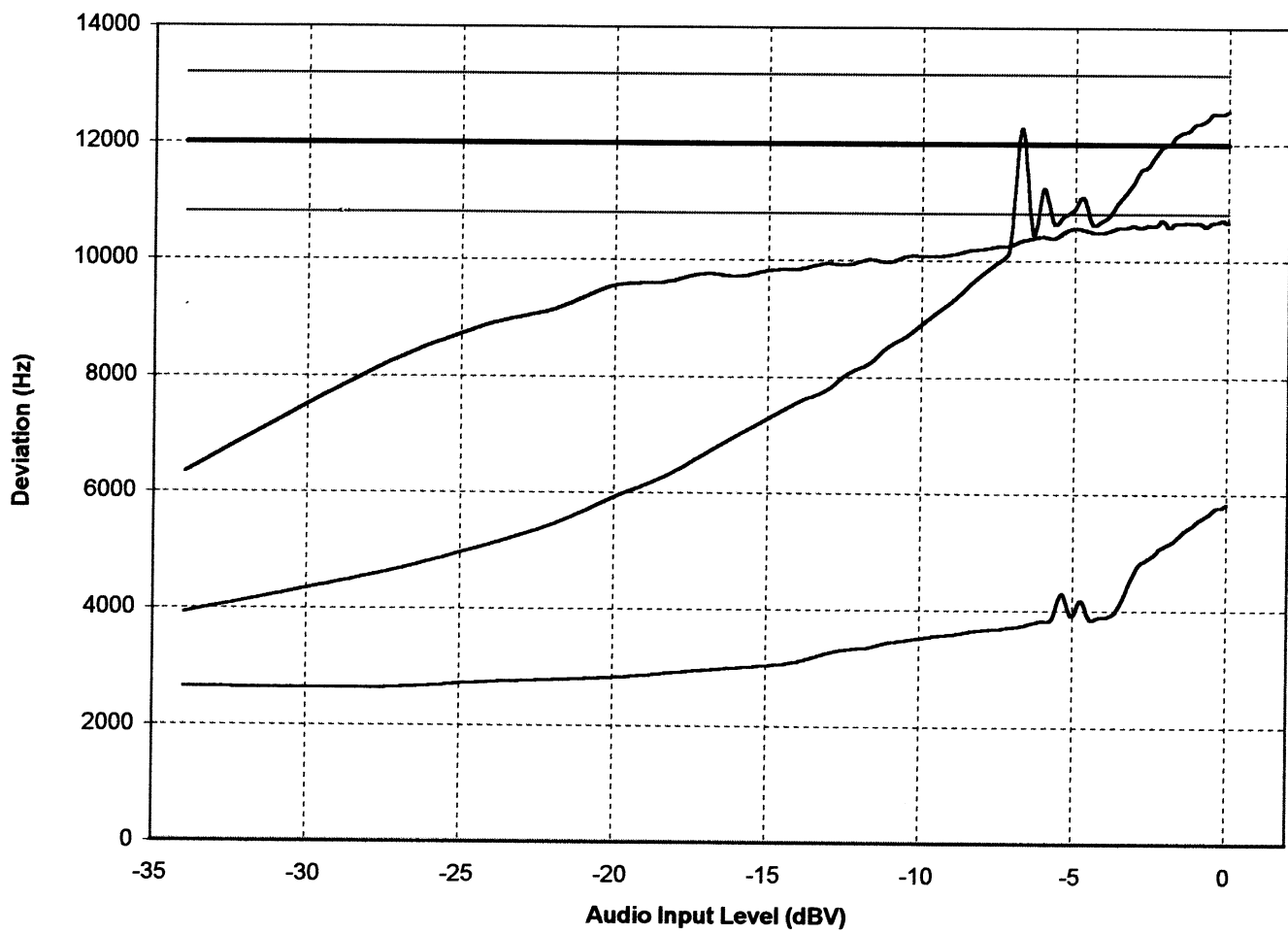
SUBJECT: Modulation Characteristics
FCC Part 22

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.

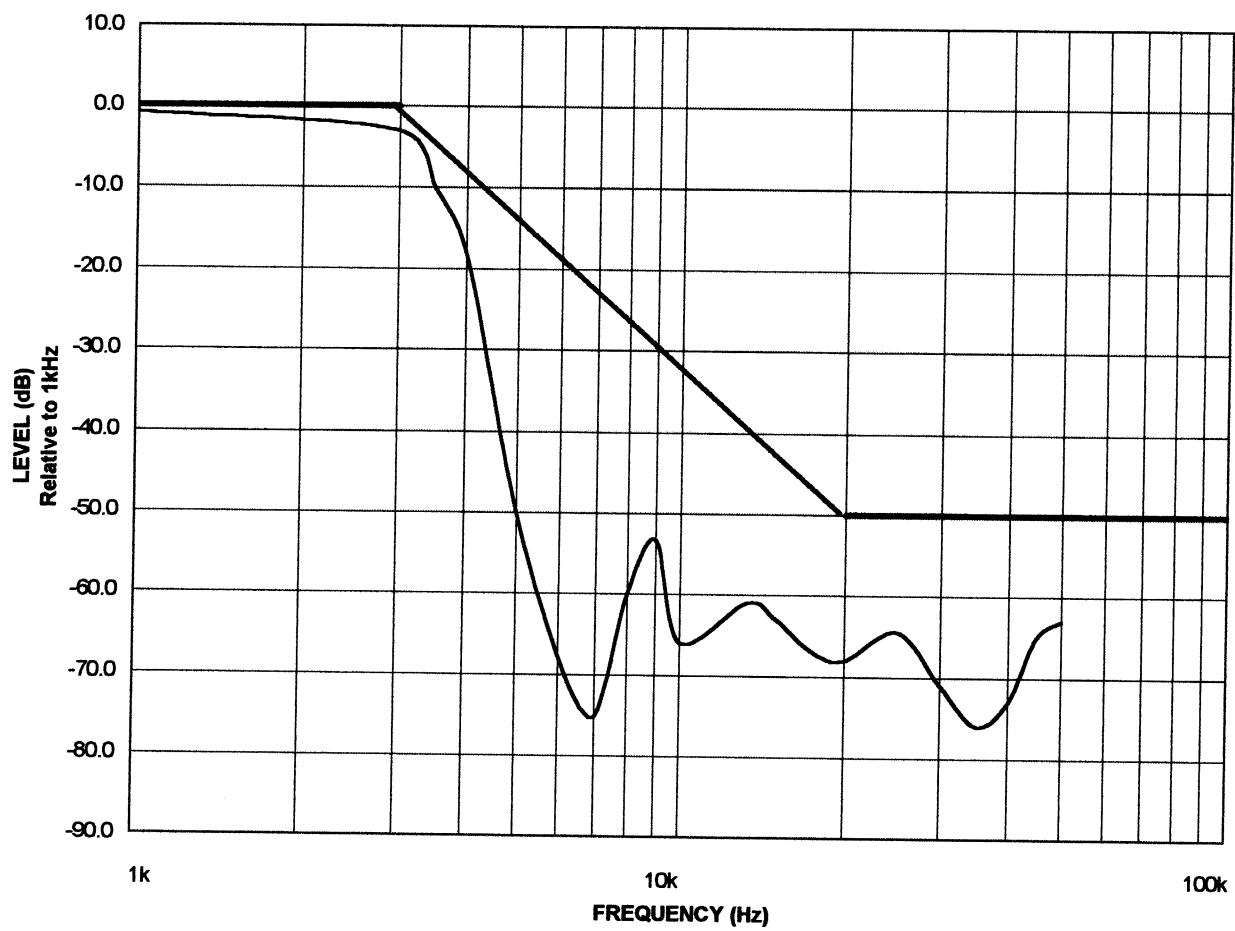
SUBJECT: Modulation Characteristics
FCC Part 22

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

Transmitter Audio Frequency Response

