

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM510

LGIC Dual-Mode

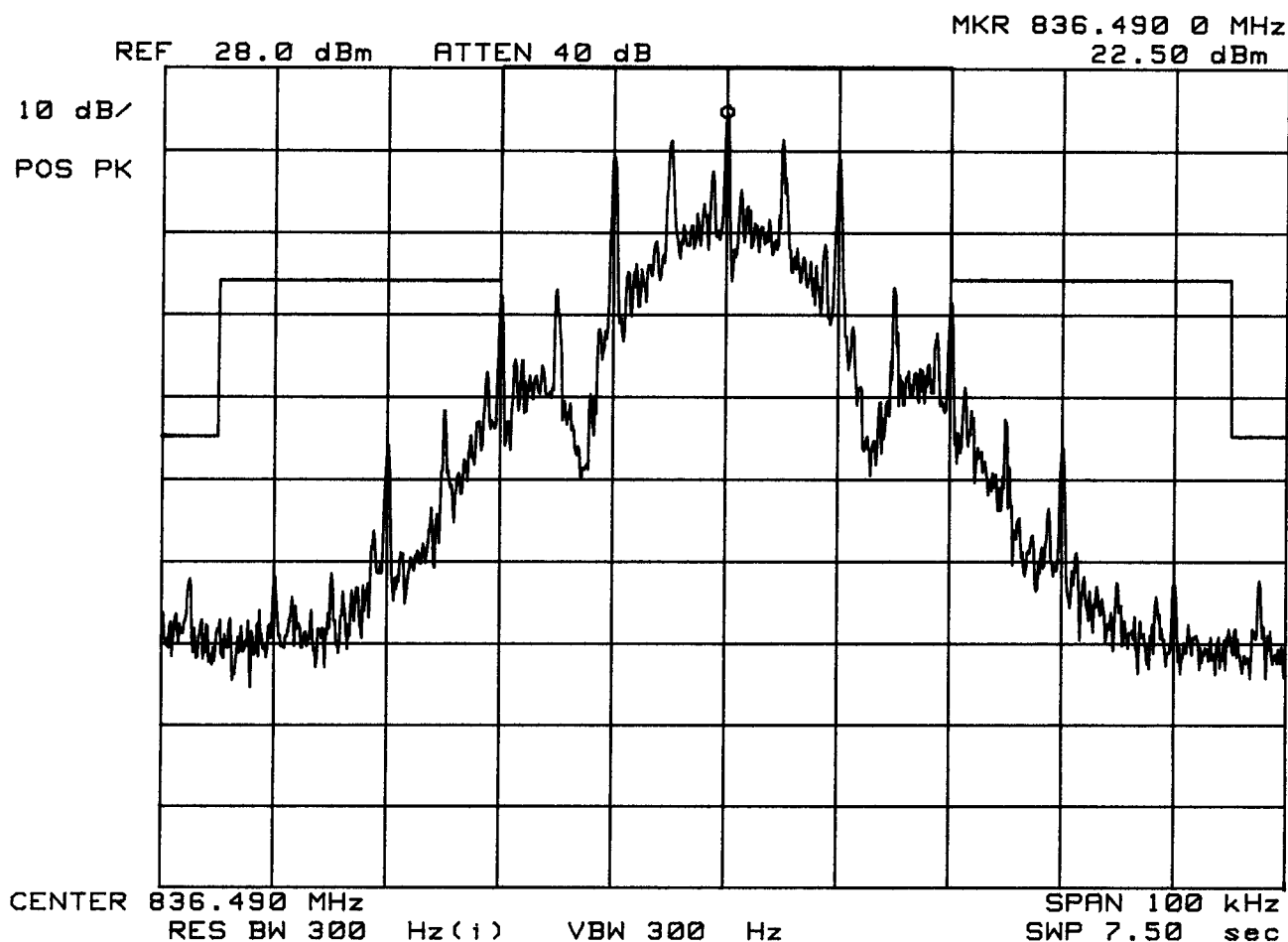
FM Mode

Ch.0383

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:Wide Band Data



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SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM510

LGIC Dual-Mode

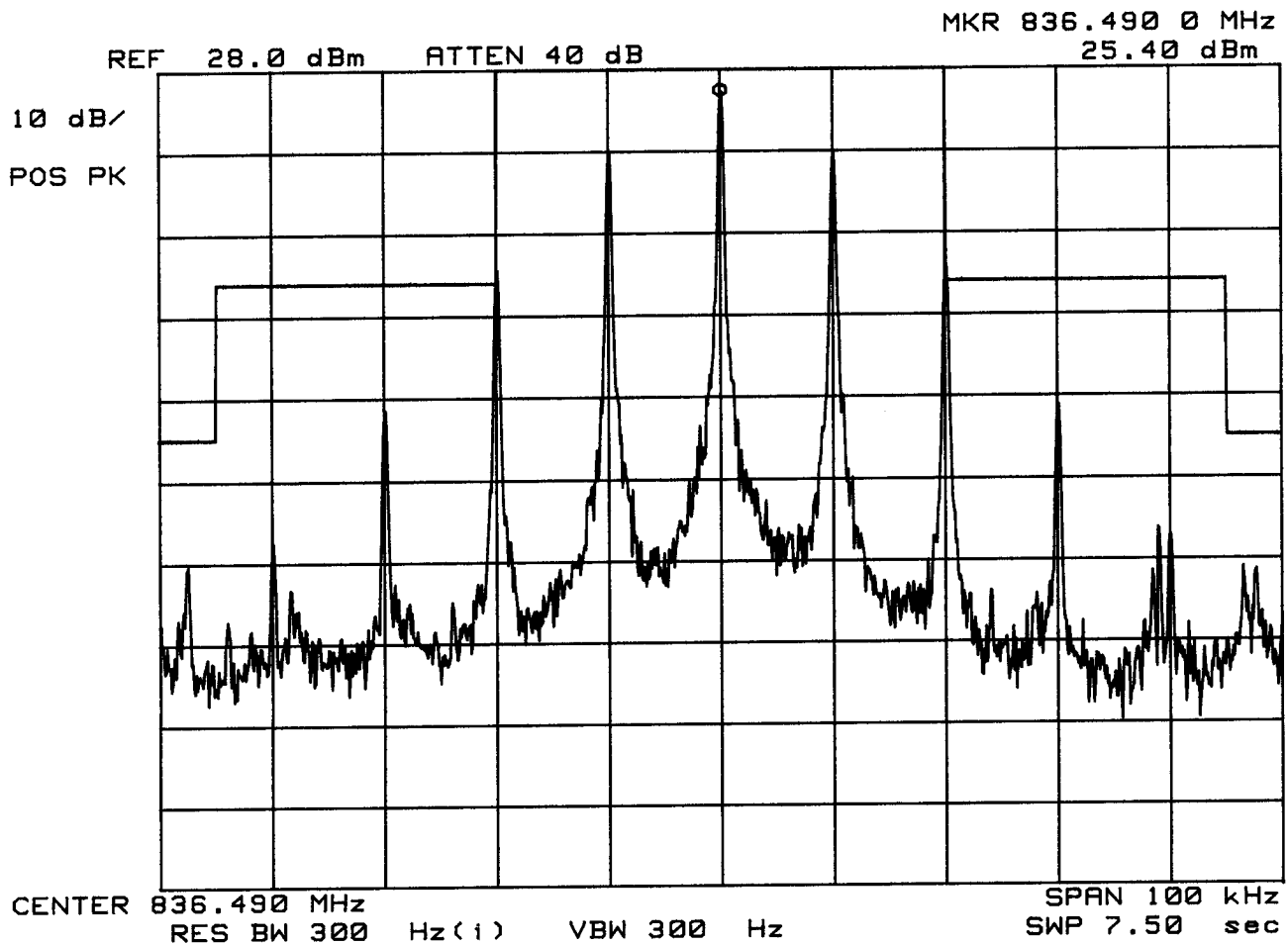
FM Mode

Ch.0383

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:ST



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SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM510

LGIC Dual-Mode

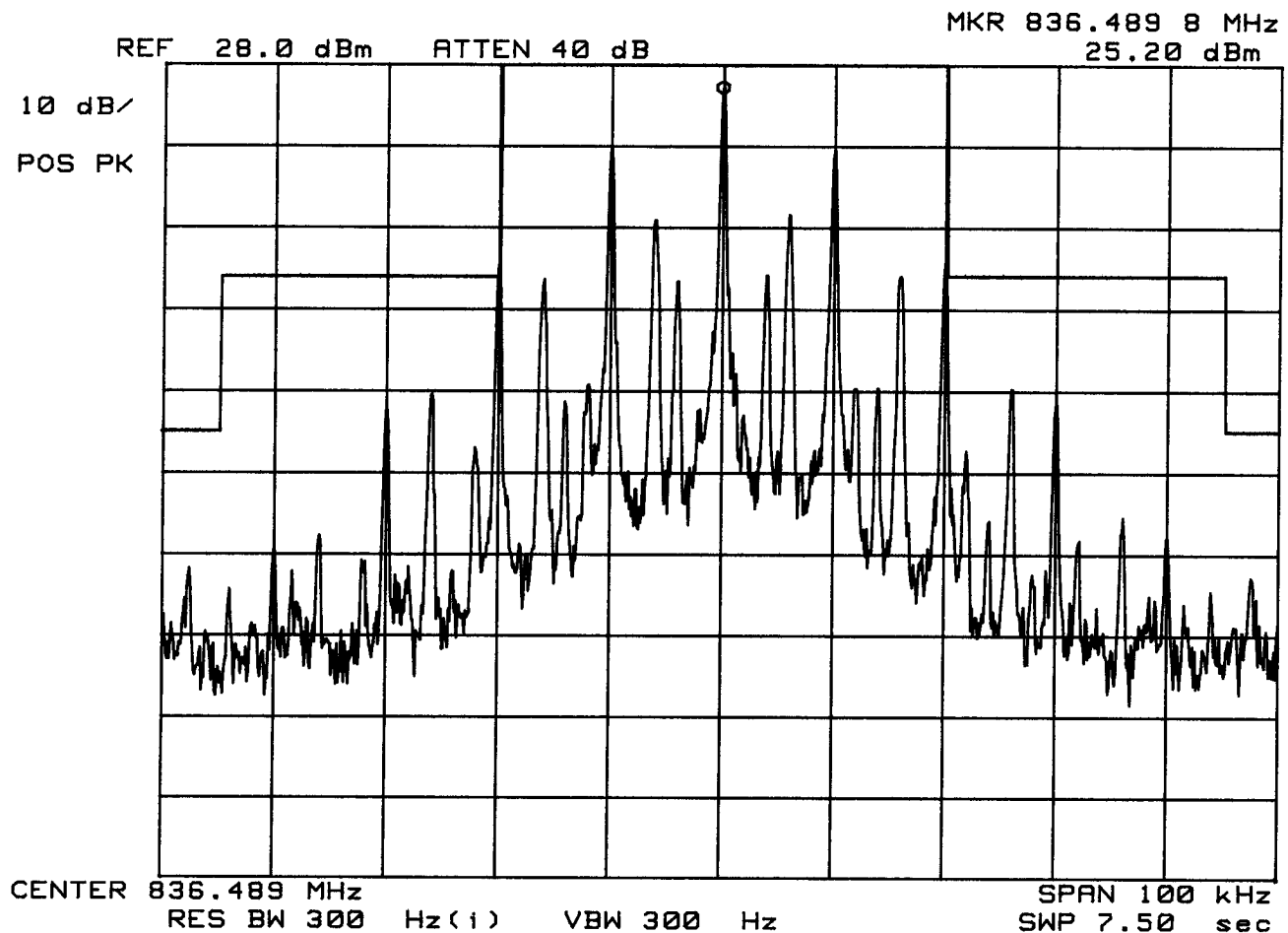
FM Mode

Ch.0383

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:SAT + ST



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SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM510

LGIC Dual-Mode

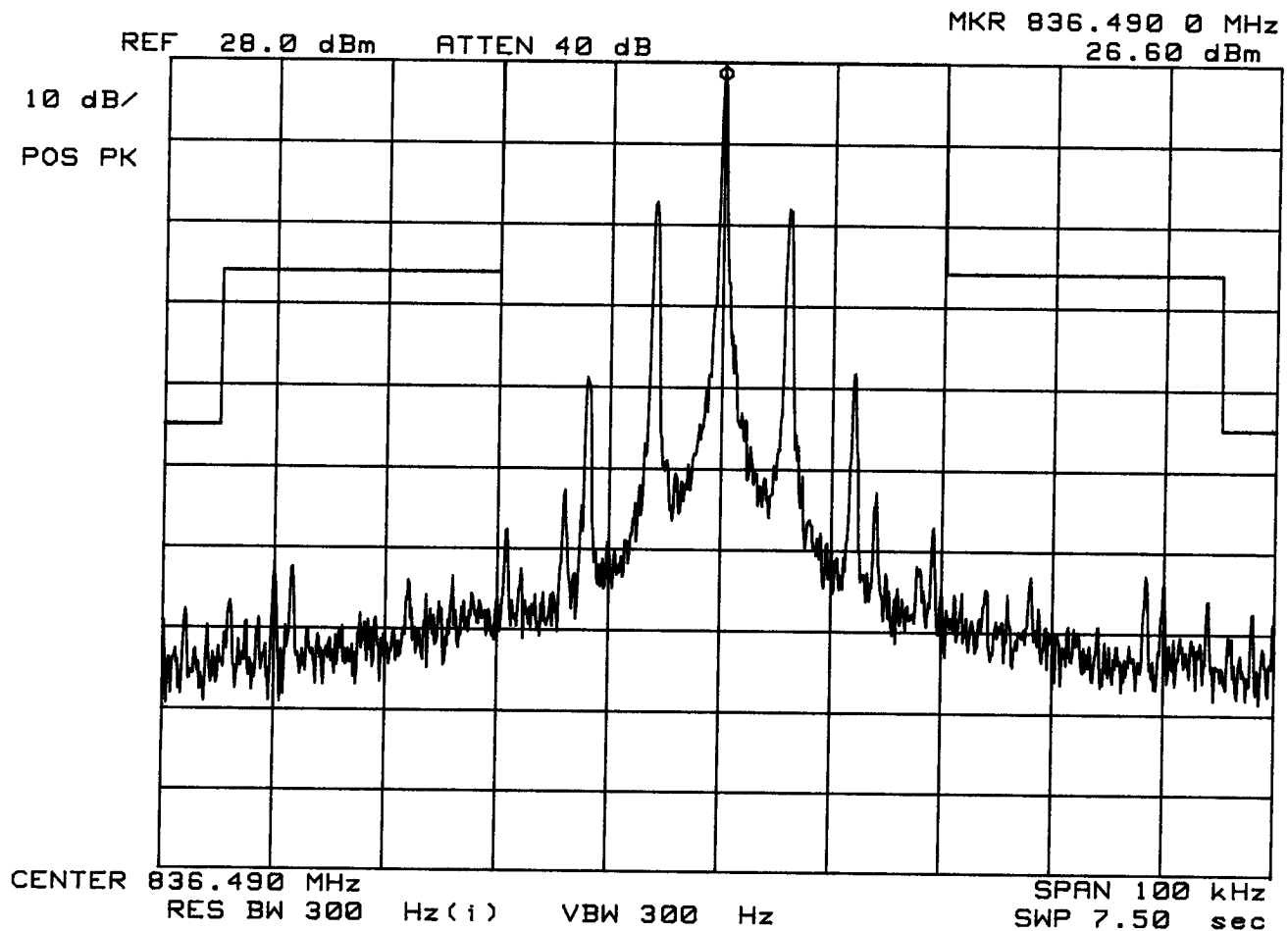
FM Mode

Ch.0383

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:SAT



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SPECTRUM ANALYZER PRESENTATION

FCC ID:FFMDM510

LGIC Dual-Mode

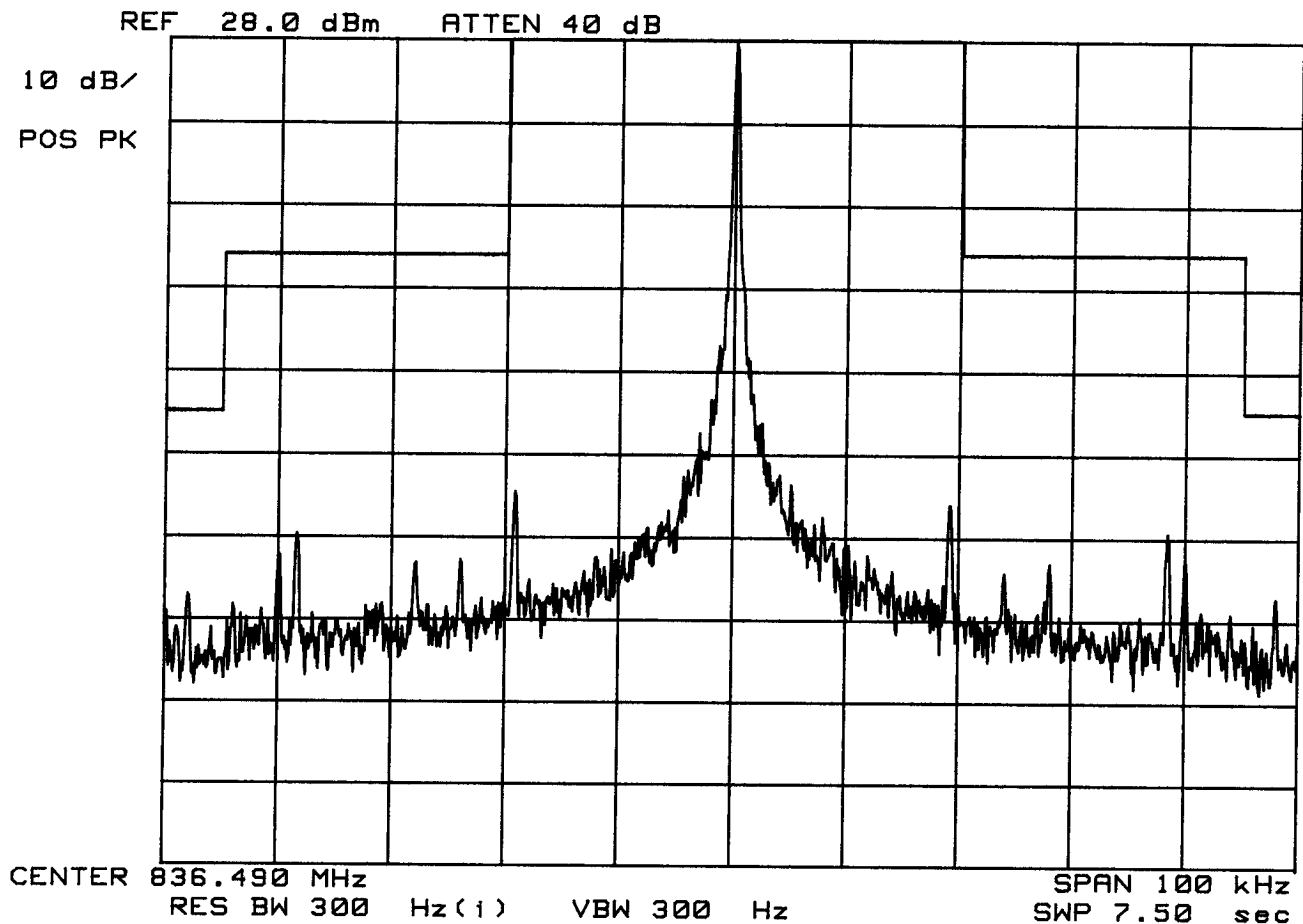
FM Mode

Ch.0383

Operating Frequency: 836.490 MHz

Output Power : 28.0 dBm

Test Mode:Unmodulated Signal



FCC ID-FFMDM510 CDMA Ch.Mid

MKR 835.890 MHz

hp

REF 25.9 dBm

ATTEN 40 dB + 20 dB

26.80 dBm

10 dB/

POS PK

OFFSET

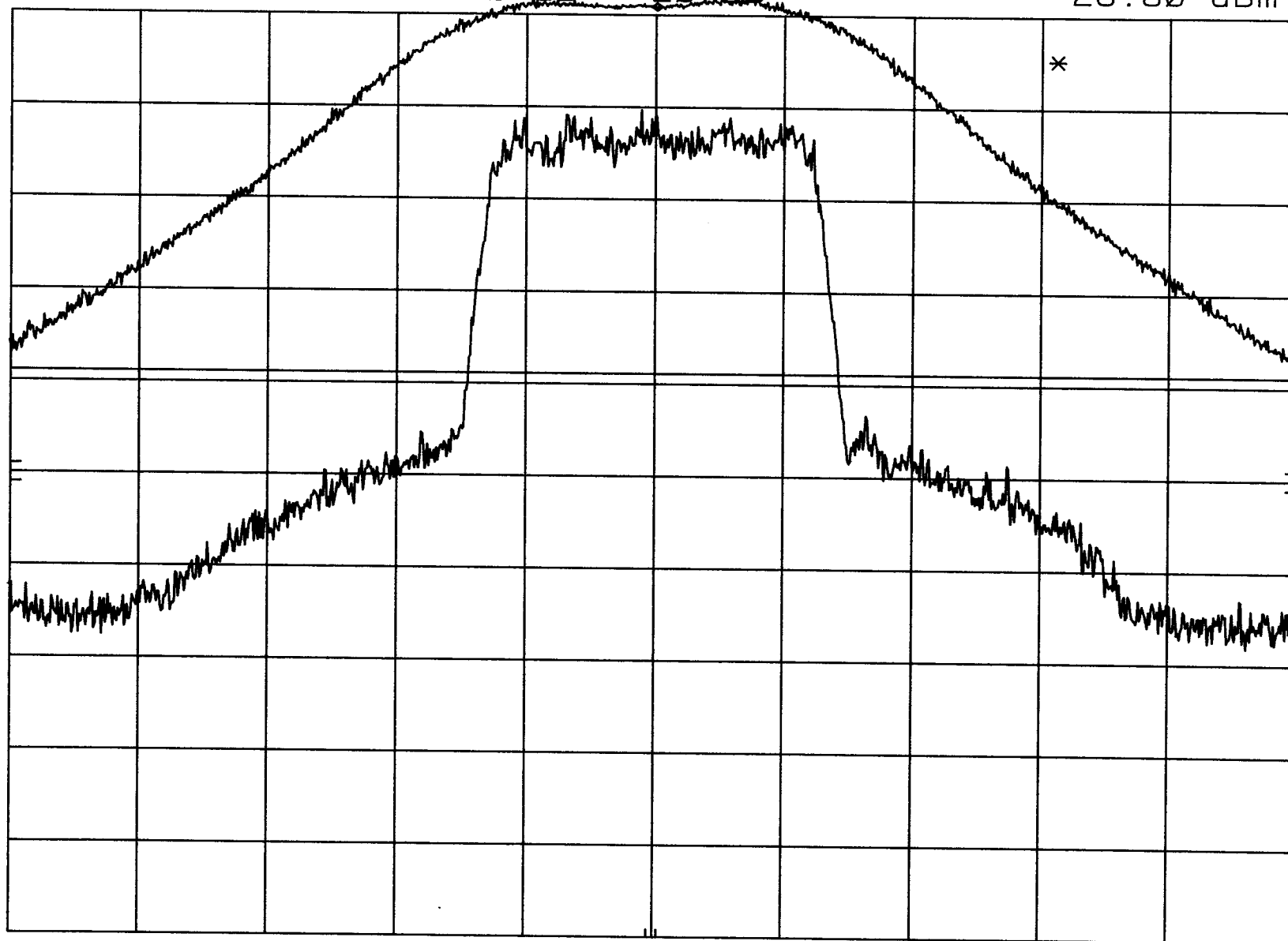
0.7

dB

DL

-13.0

dBm



CENTER 835.89 MHz

RES BW 30 kHz (i)

VBW 30 kHz

SPAN 5.00 MHz

SWP 37.5 msec

FCC ID-FFMDM510 FM Ch.Low Cond.Spurs.

hp REF 28.0 dBm ATTEN 40 dB + 20 dB

10 dB/

POS PK

OFFSET

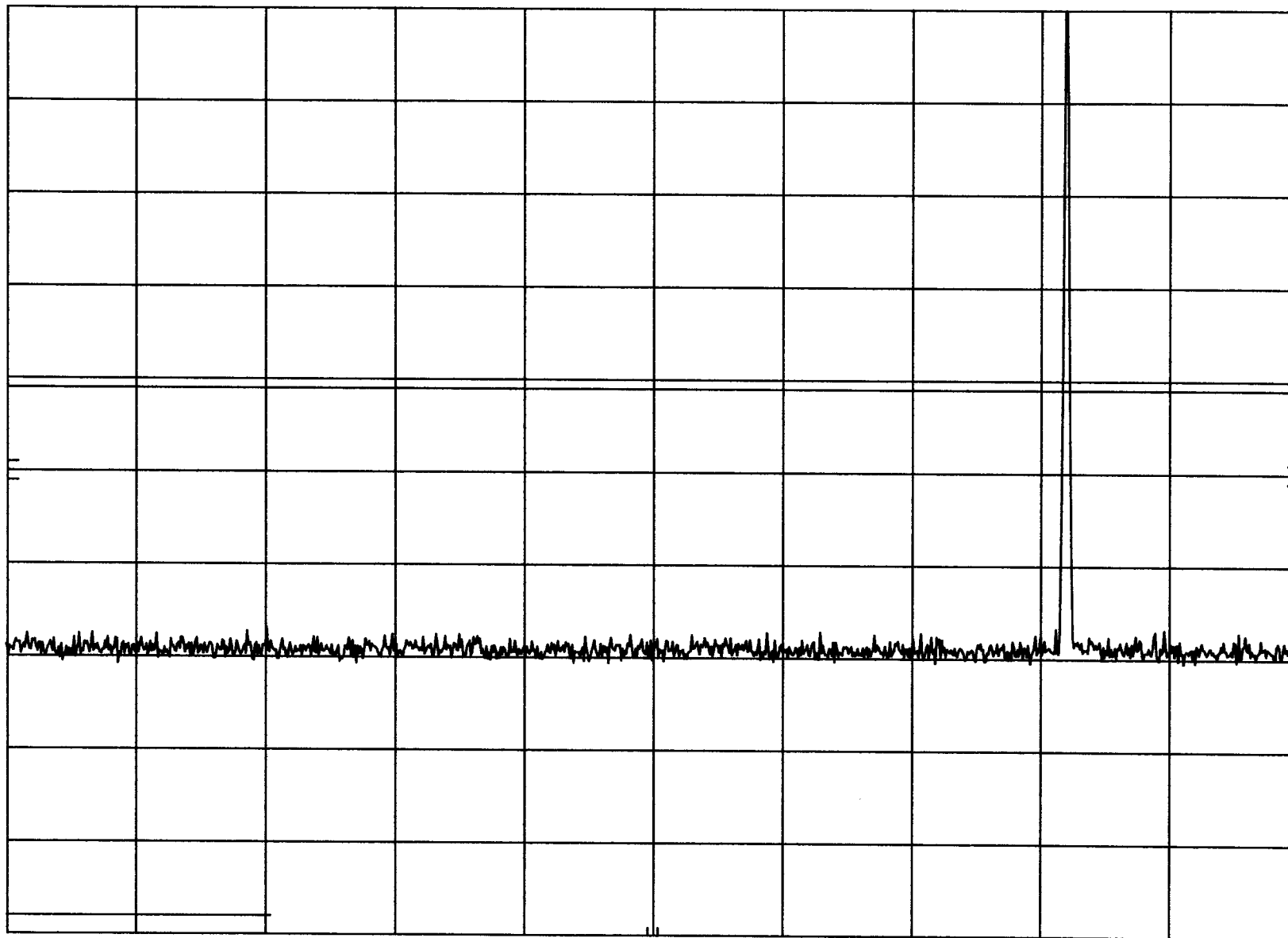
0.7

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-FFMDM510 FM Ch.Low Cond.Spurs.
REF 28.0 dBm ATTEN 40 dB + 20 dB

MKR 2.475 GHz
-28.30 dBm

hp

10 dB/

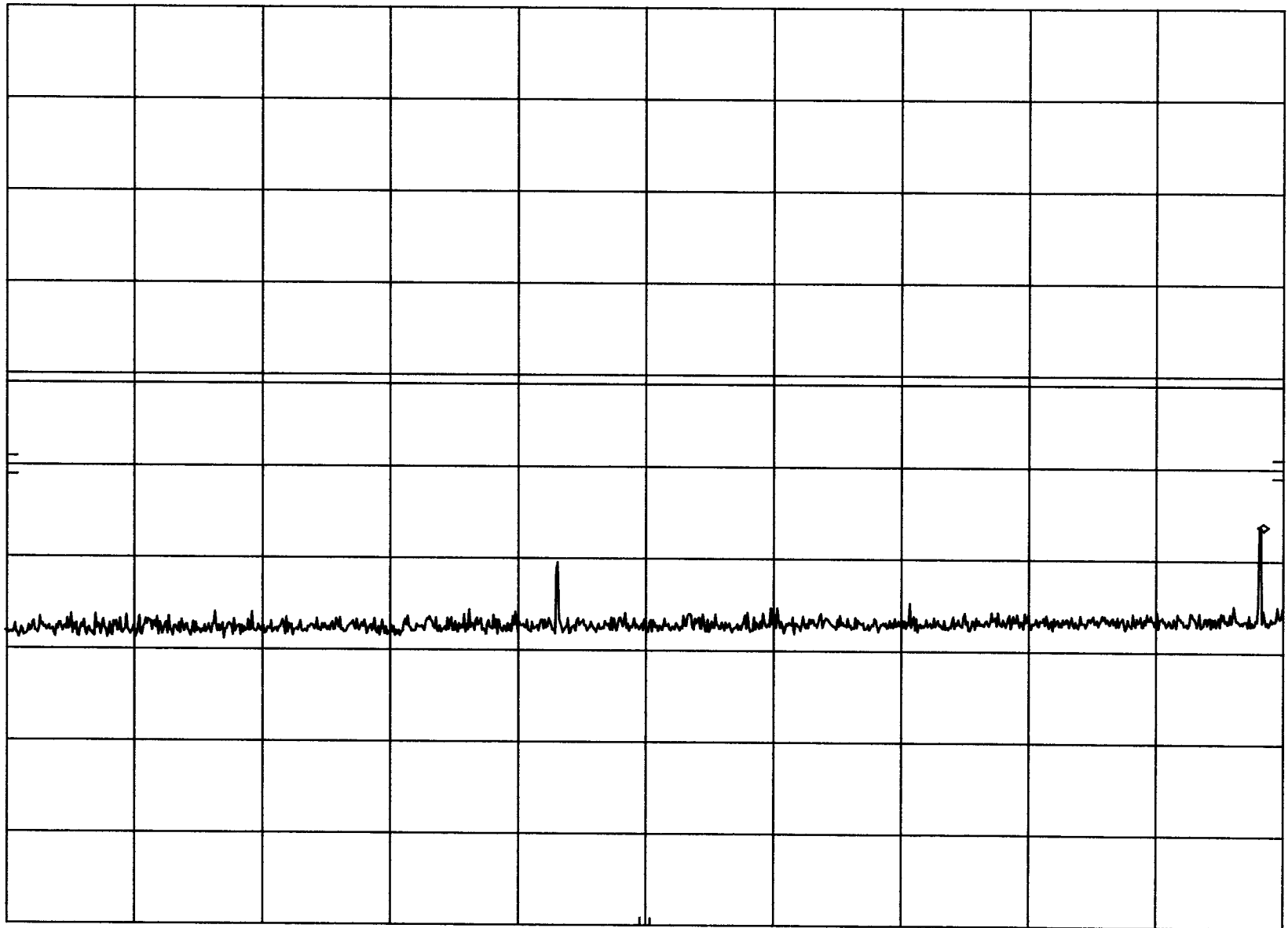
POS PK

OFFSET

0.7
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-FFMDM510 FM Ch.Low Cond.Spurs.

MKR 6.625 GHz

hp

REF 28.0 dBm ATTEN 40 dB + 20 dB

-28.40 dBm

10 dB/

POS PK

OFFSET

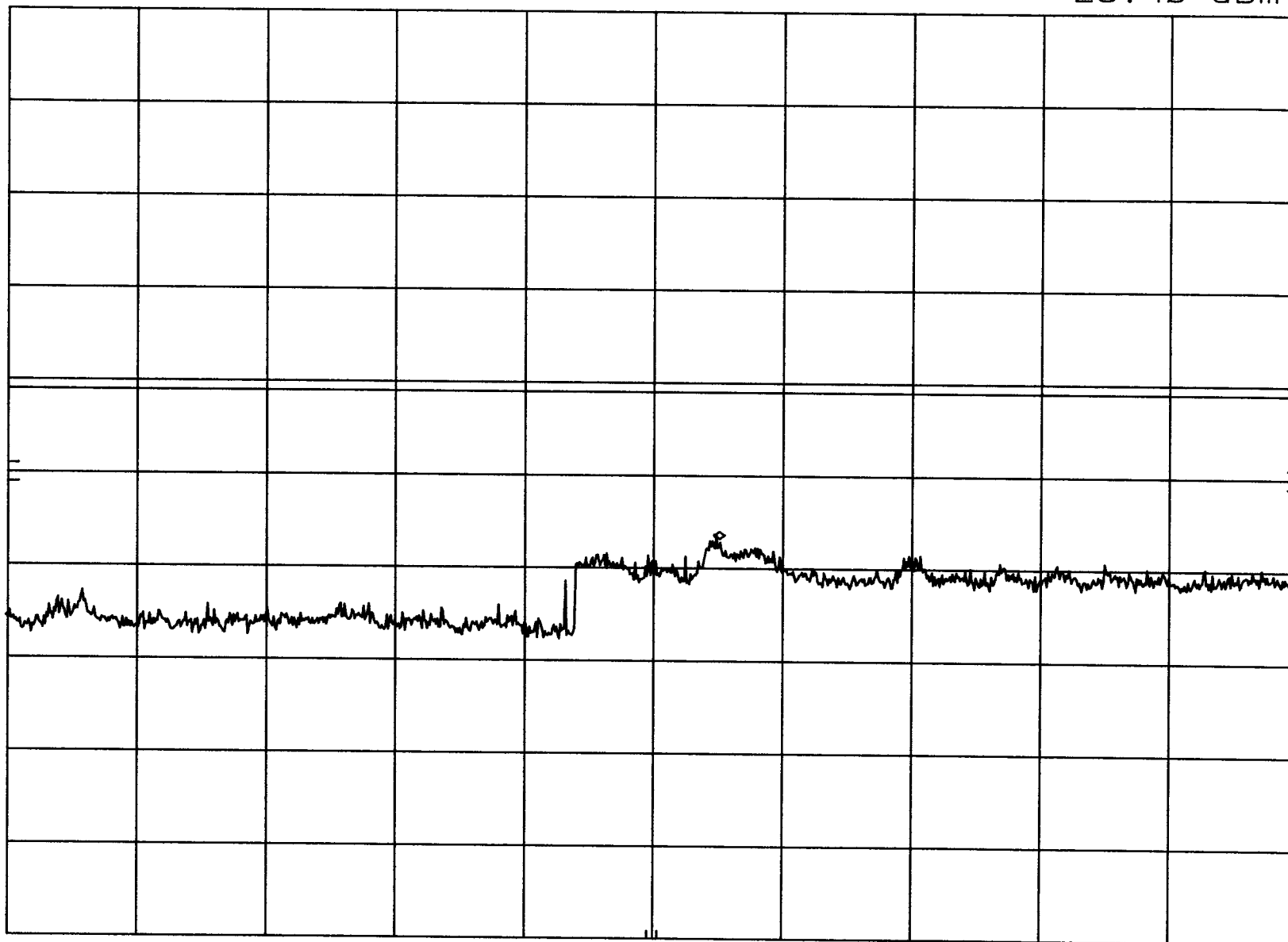
0.7

dB

DL

-13.0

dBm



START 2.50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

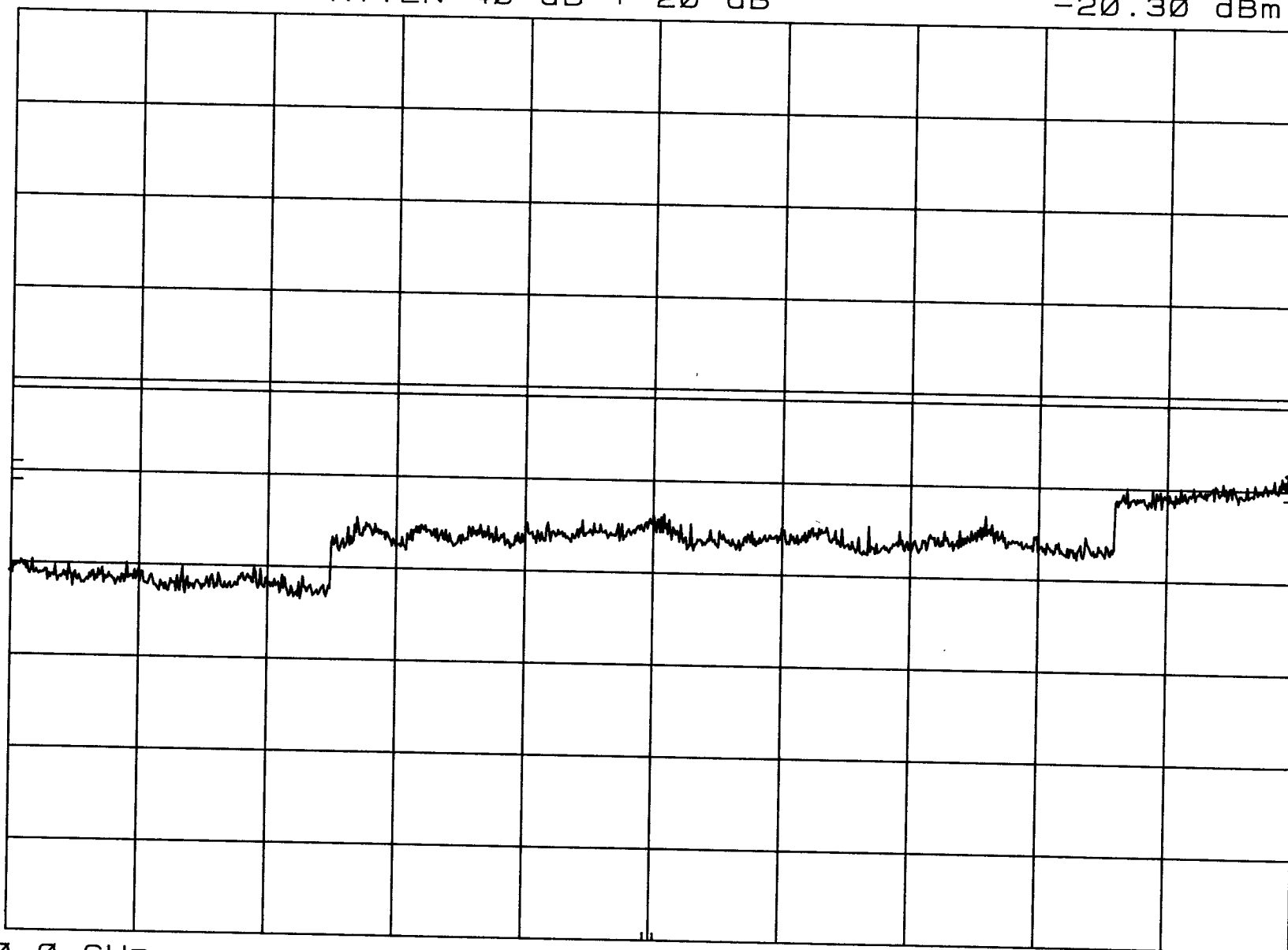
STOP 10.00 GHz

SWP 188 msec

FCC ID-FFMDM510 FM Ch.Low Cond.Spurs.
REF 28.0 dBm ATTN 40 dB + 20 dB

MKR 19.96 GHz
-20.30 dBm

hp
10 dB/
POS PK
OFFSET
0.7
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-FFMDM510 FM Ch.High Cond.Spurs.
REF 28.0 dBm ATTEN 40 dB + 20 dB

MKR 19.83 GHz
-19.80 dBm

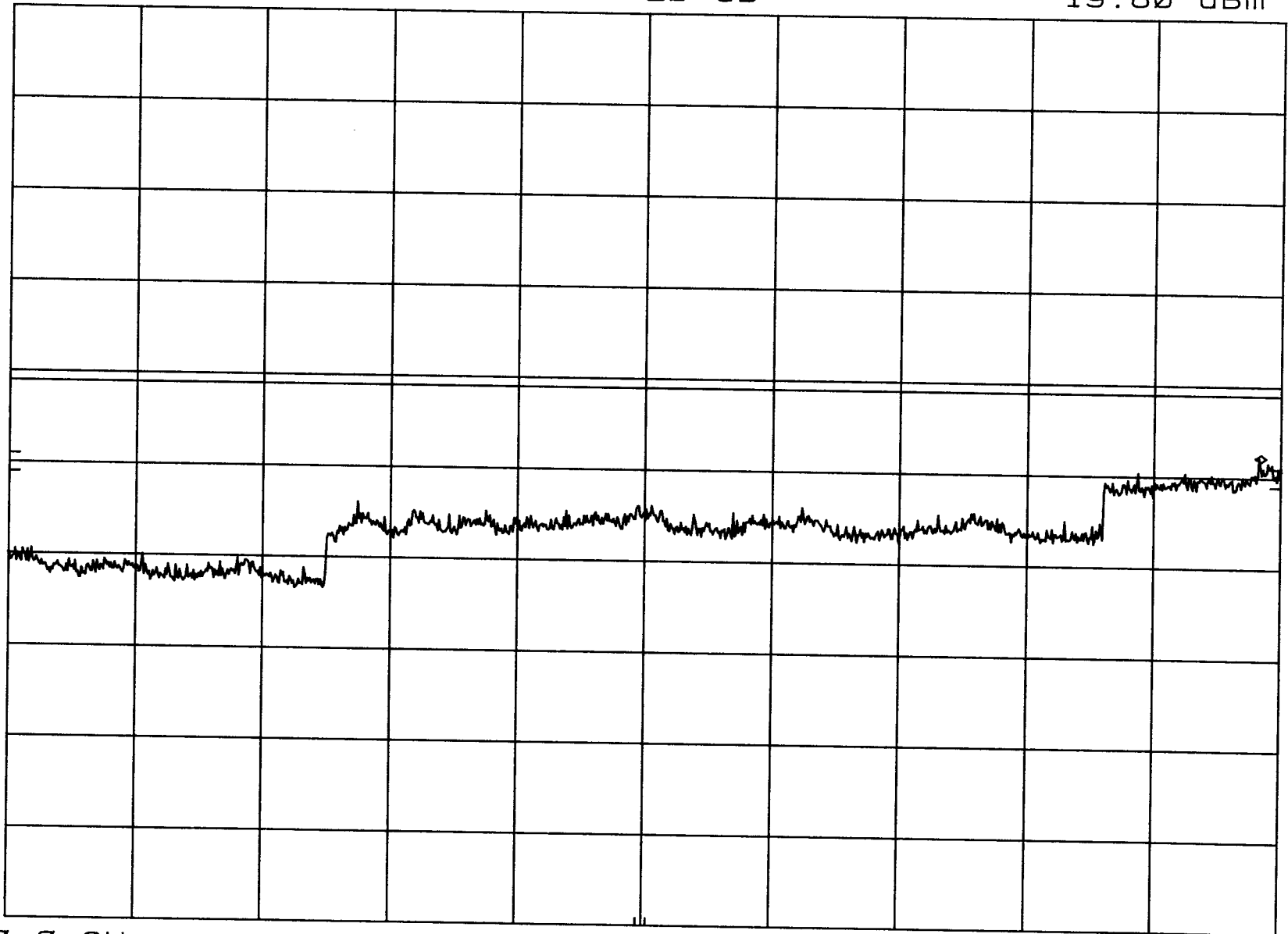
hp

10 dB/

POS PK

OFFSET
0.7
dB

DL
-13.0
dBm



START 10.0 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz
SWP 250 msec

hp

FCC ID-FFMDM510 FM Ch.High Cond.Spurs.
REF 28.0 dBm ATTEN 40 dB + 20 dB

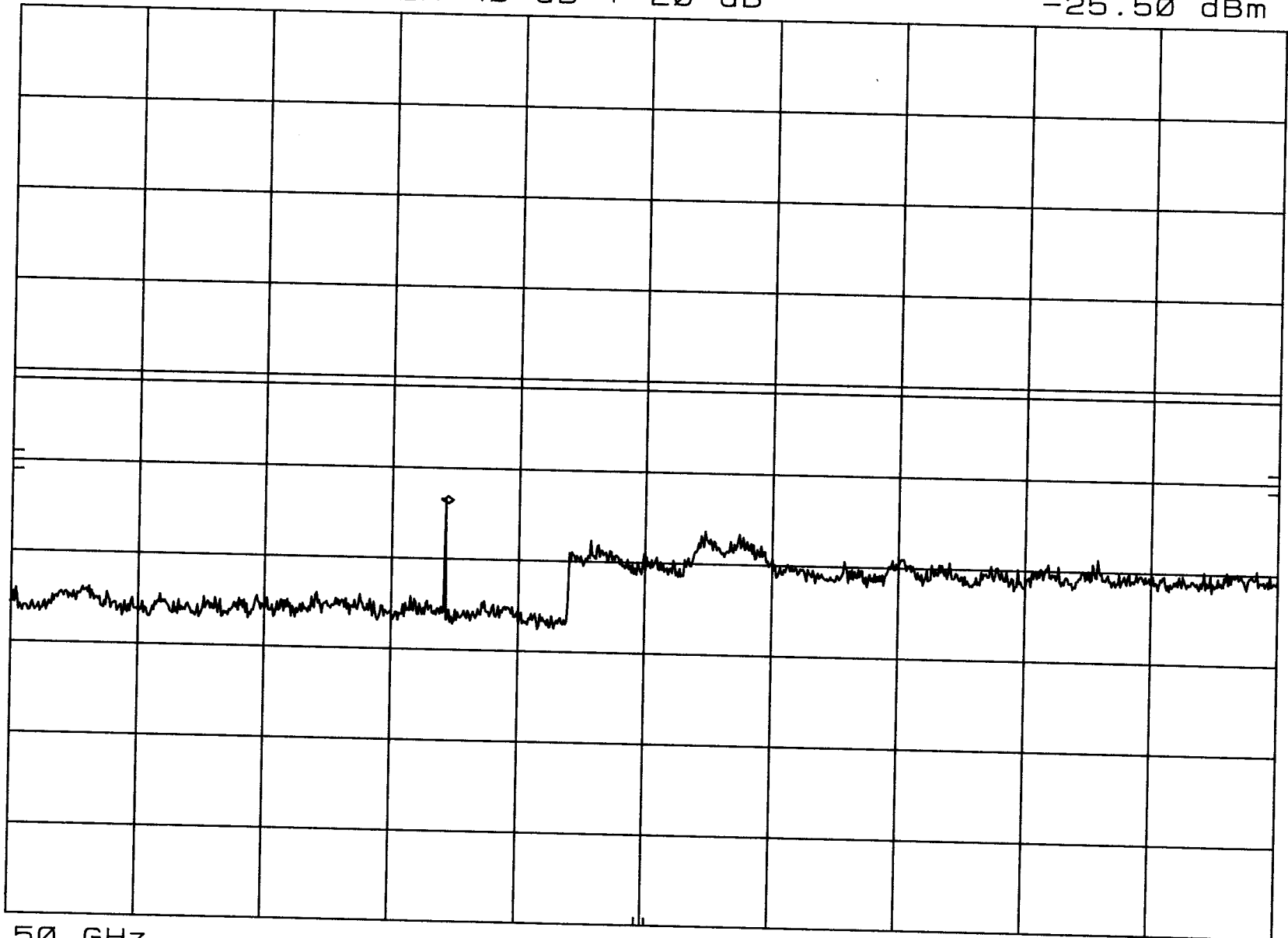
MKR 5.073 GHz
-25.50 dBm

10 dB/

POS PK

OFFSET
0.7
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-FFMDM510 FM Ch.Med Cond.Spurs.
REF 28.0 dBm ATTEN 40 dB + 20 dB

hp

10 dB/

POS PK

OFFSET

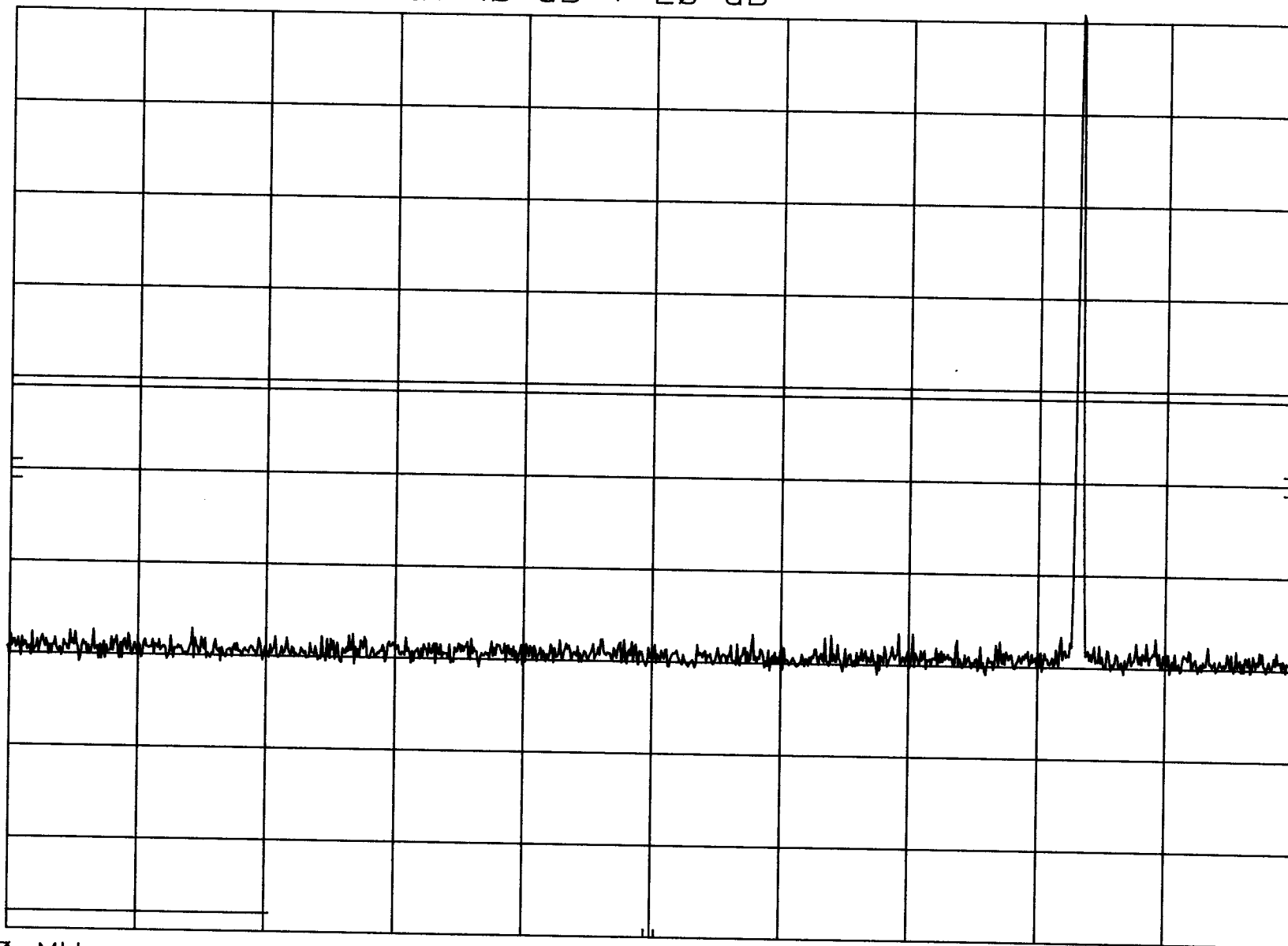
0.7

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-FFMDM510 FM Ch.Med Cond.Spurs.
REF 28.0 dBm ATTEN 40 dB + 20 dB

MKR 1.672 GHz
-29.90 dBm

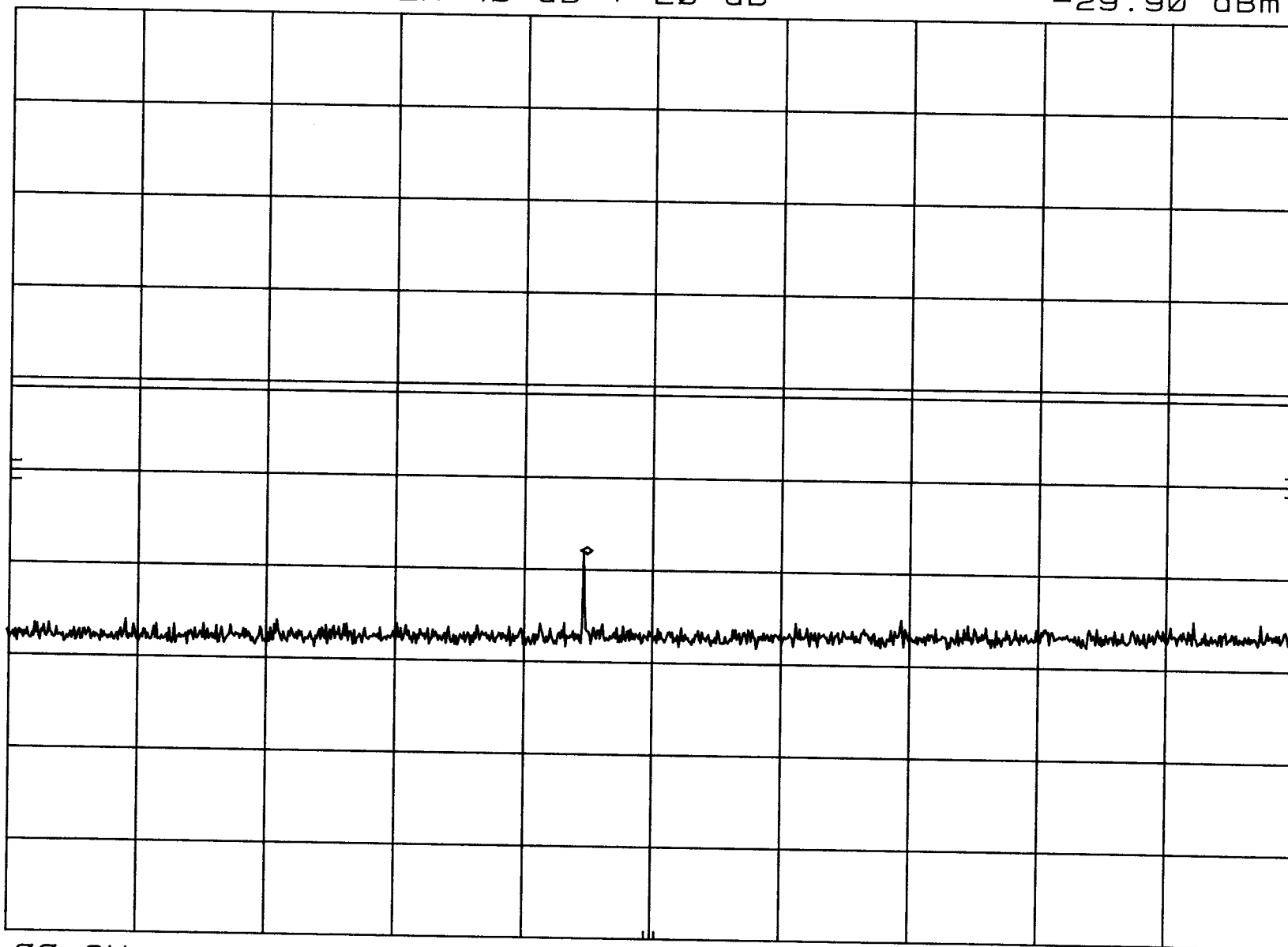
hp

10 dB/

POS PK

OFFSET
0.7
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-FFMDM510 FM Ch.Med Cond.Spurs.
REF 28.0 dBm ATTEN 40 dB + 20 dB

MKR 6.618 GHz
-28.70 dBm

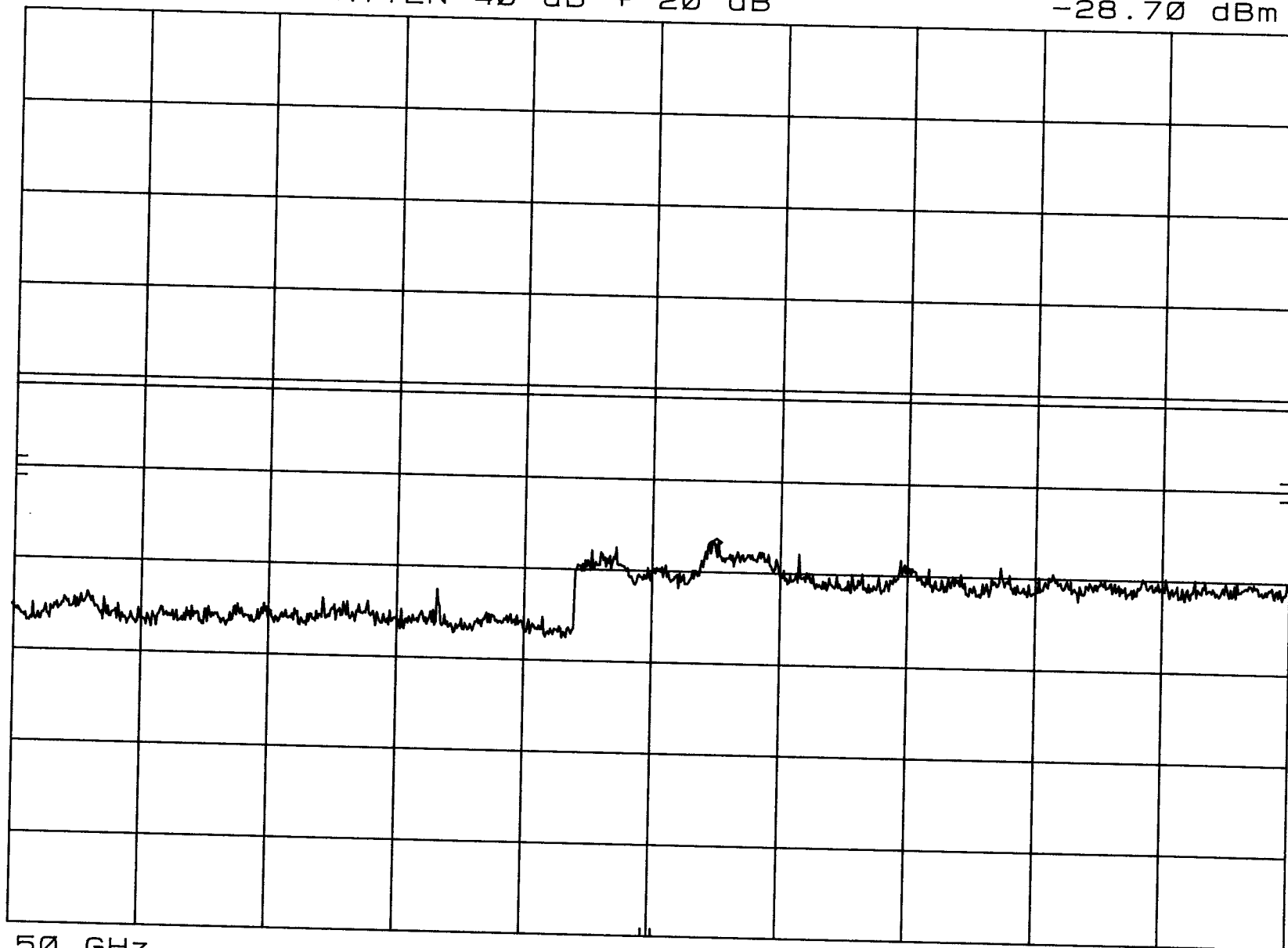
hp

10 dB/

POS PK

OFFSET
0.7
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-FFMDM510 FM Ch.Med Cond.Spurs.

MKR 19.90 GHz

hp

REF 28.0 dBm ATTEN 40 dB + 20 dB

-21.00 dBm

10 dB/

POS PK

OFFSET

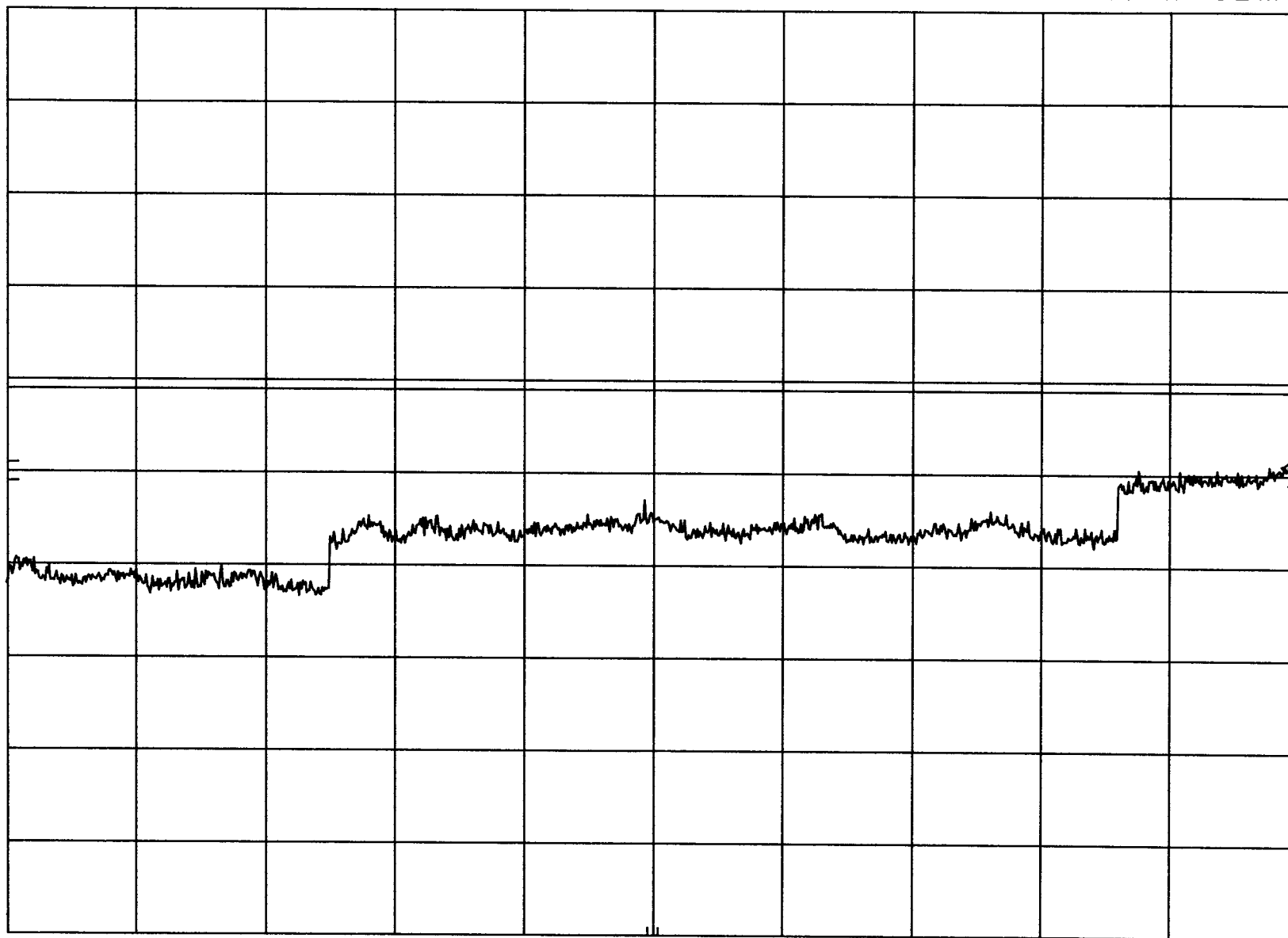
0.7

dB

DL

-13.0

dBm



START 10.0 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz

SWP 250 msec

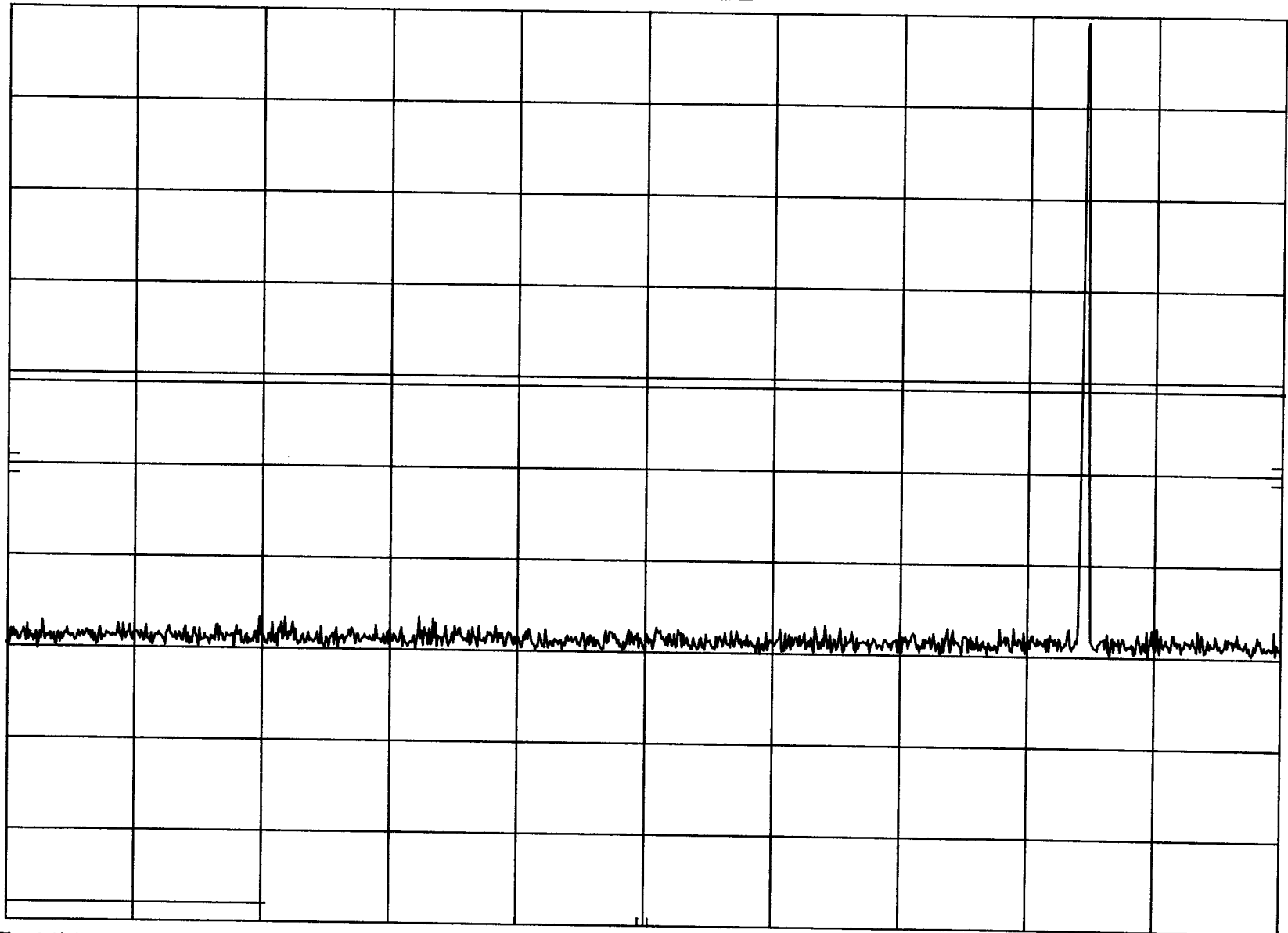
FCC ID-FFMDM510 FM Ch.High Cond.Spurs.
hp REF 28.0 dBm ATTN 40 dB + 20 dB

10 dB/

POS PK

OFFSET
0.7
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-FFMDM510 FM Ch.High Cond.Spurs.

MKR 1.698 GHz

hp

REF 28.0 dBm ATTEN 40 dB + 20 dB

-30.40 dBm

10 dB/

POS PK

OFFSET

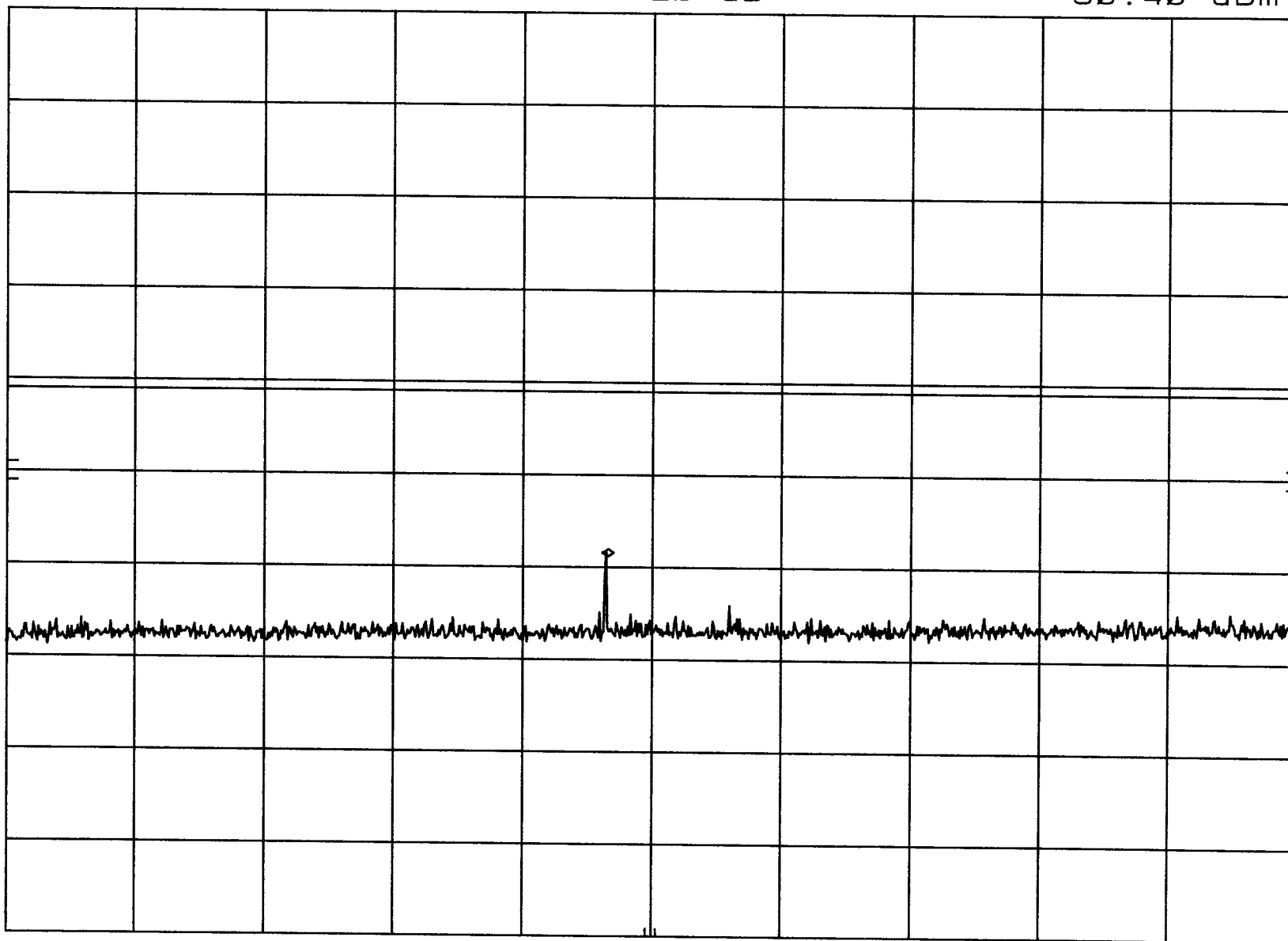
0.7

dB

DL

-13.0

dBm



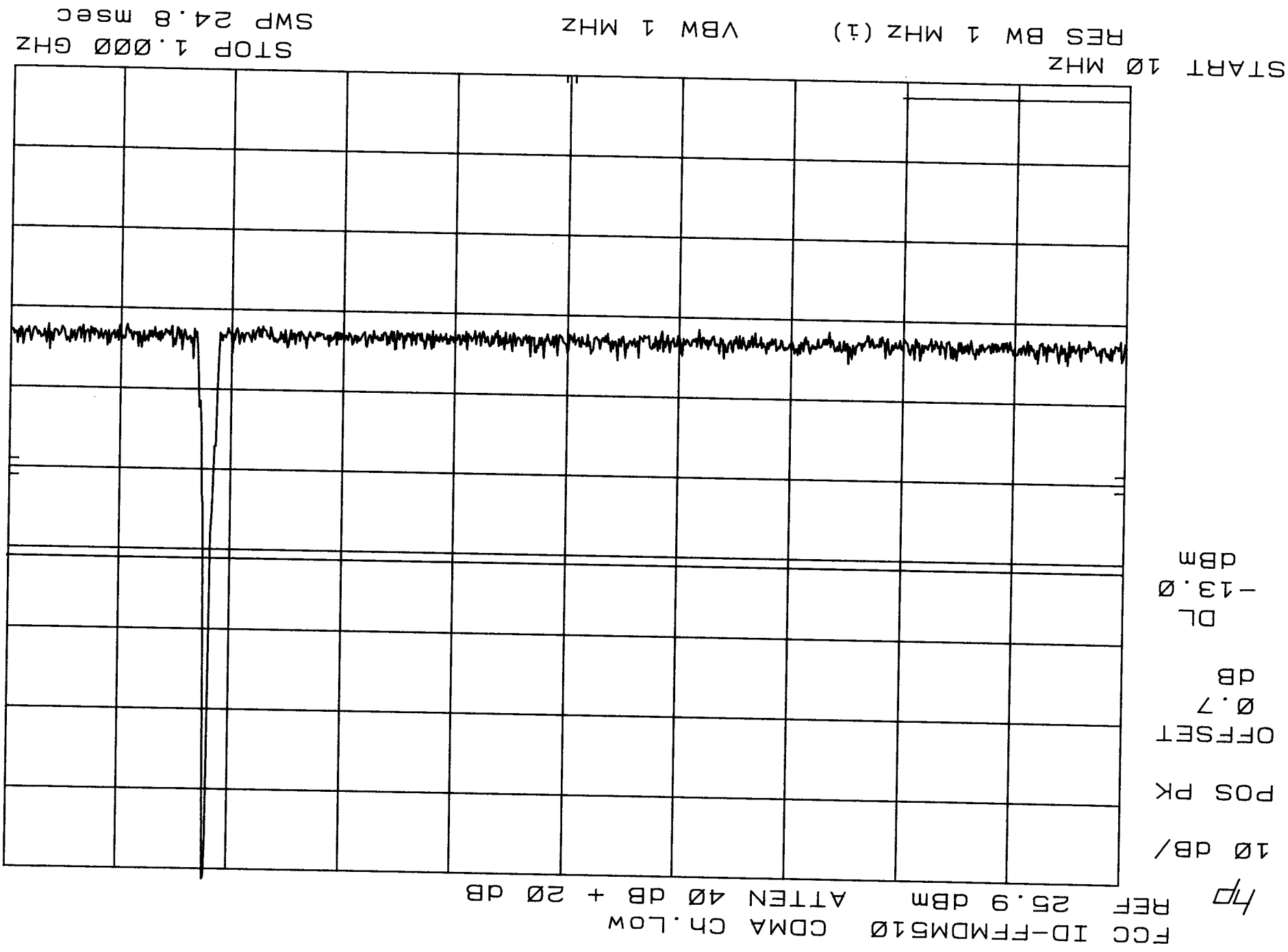
START 1.00 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 2.50 GHz

SWP 37.5 msec



FCC ID-FFMDM510

CDMA Ch.Low

MKR 2.476 GHz

hp

REF 25.9 dBm

ATTEN 40 dB + 20 dB

-31.30 dBm

10 dB/

POS PK

OFFSET

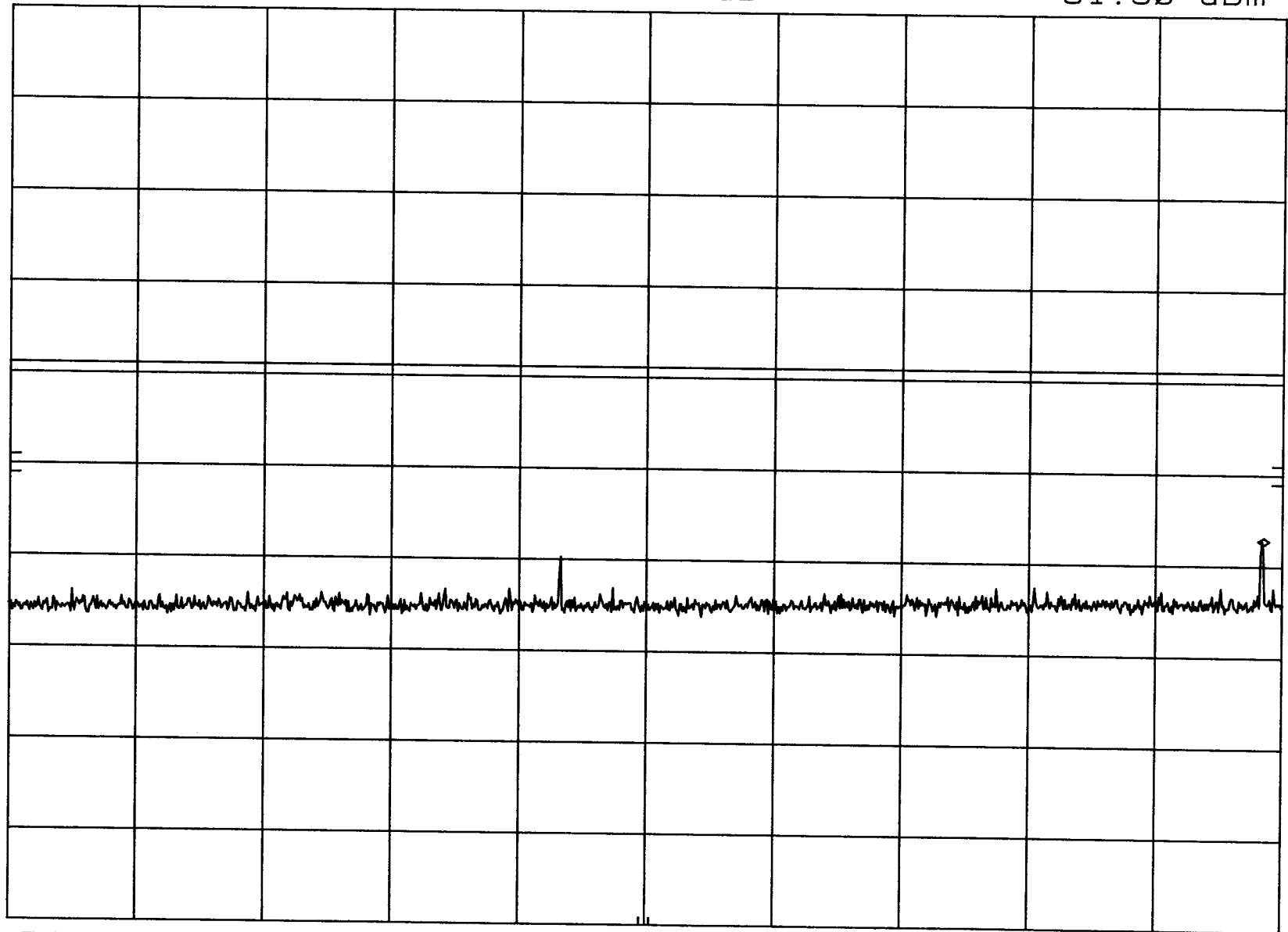
0.7

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

hp

FCC ID-FFMDM510

CDMA Ch.Low

MKR 6.595 GHz

REF 25.9 dBm

ATTEN 40 dB + 20 dB

-28.30 dBm

10 dB/

POS PK

OFFSET

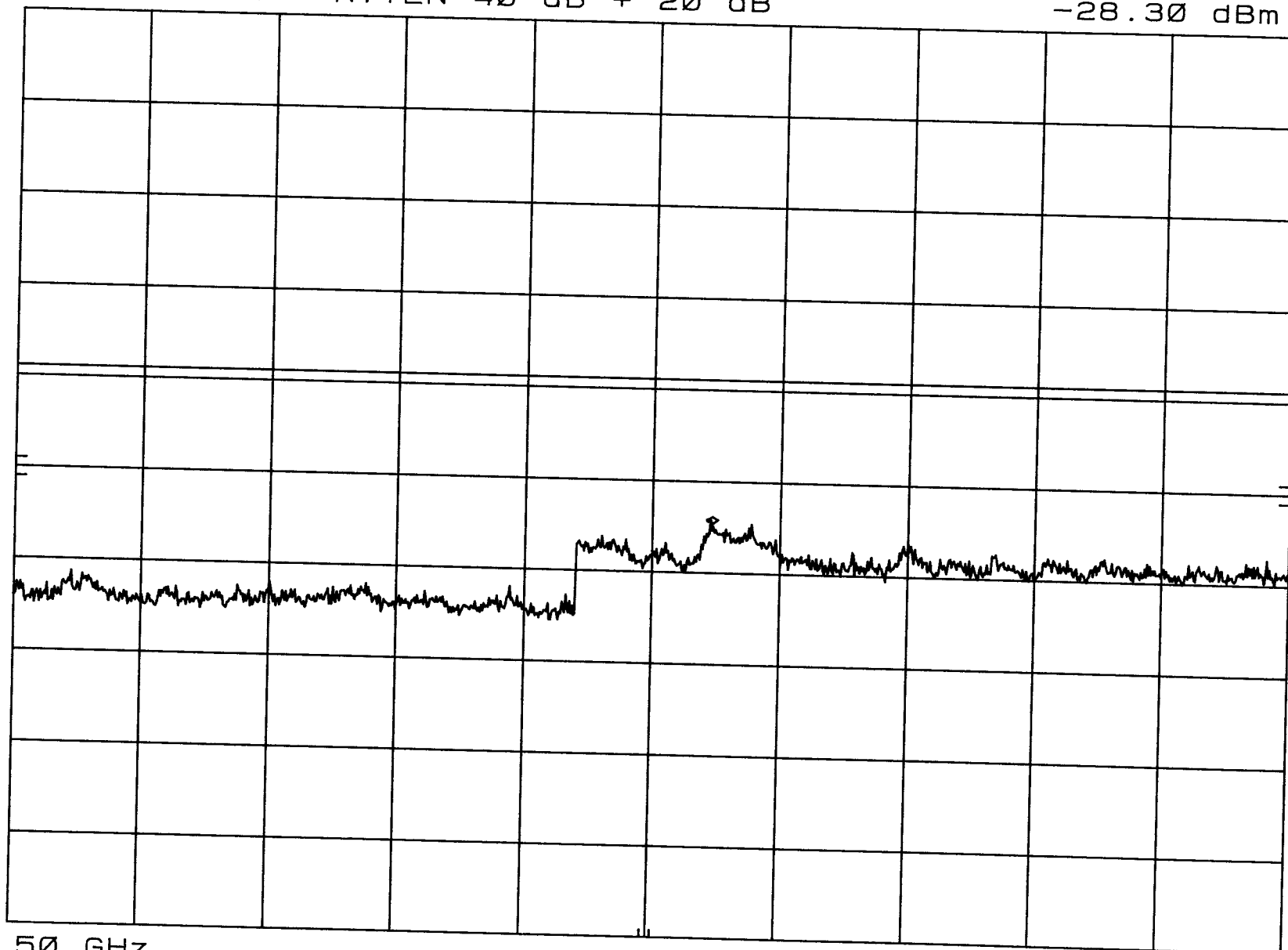
0.7

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-FFMDM510 CDMA Ch.Low
REF 25.9 dBm ATTEN 40 dB + 20 dB

MKR 19.97 GHz
-20.50 dBm

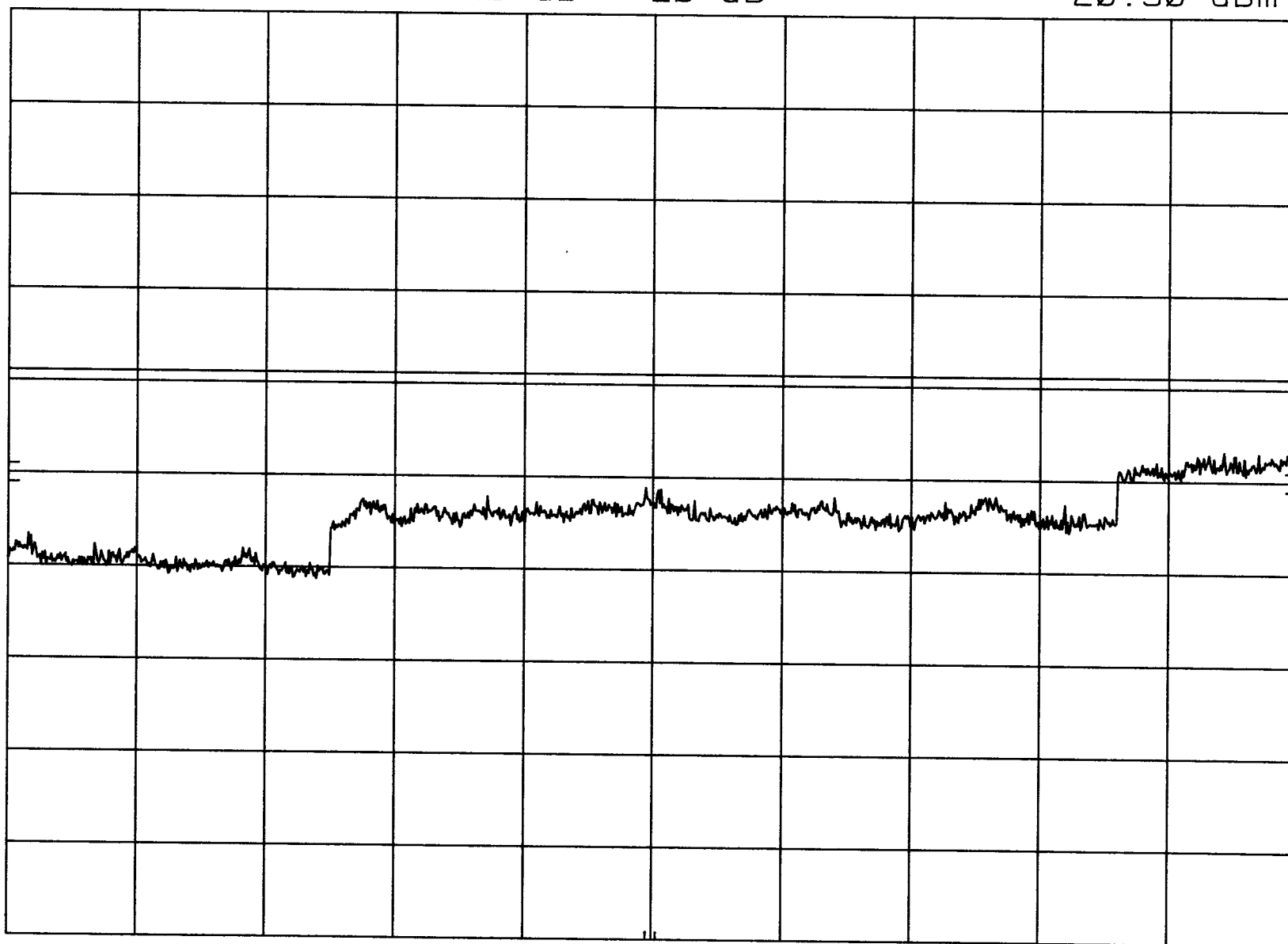
hp

10 dB/

POS PK

OFFSET
0.7
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-FFMDM510 CDMA Ch.Med Cond.Spurs.

hp

REF 25.9 dBm ATTEN 40 dB + 20 dB

10 dB/

POS PK

OFFSET

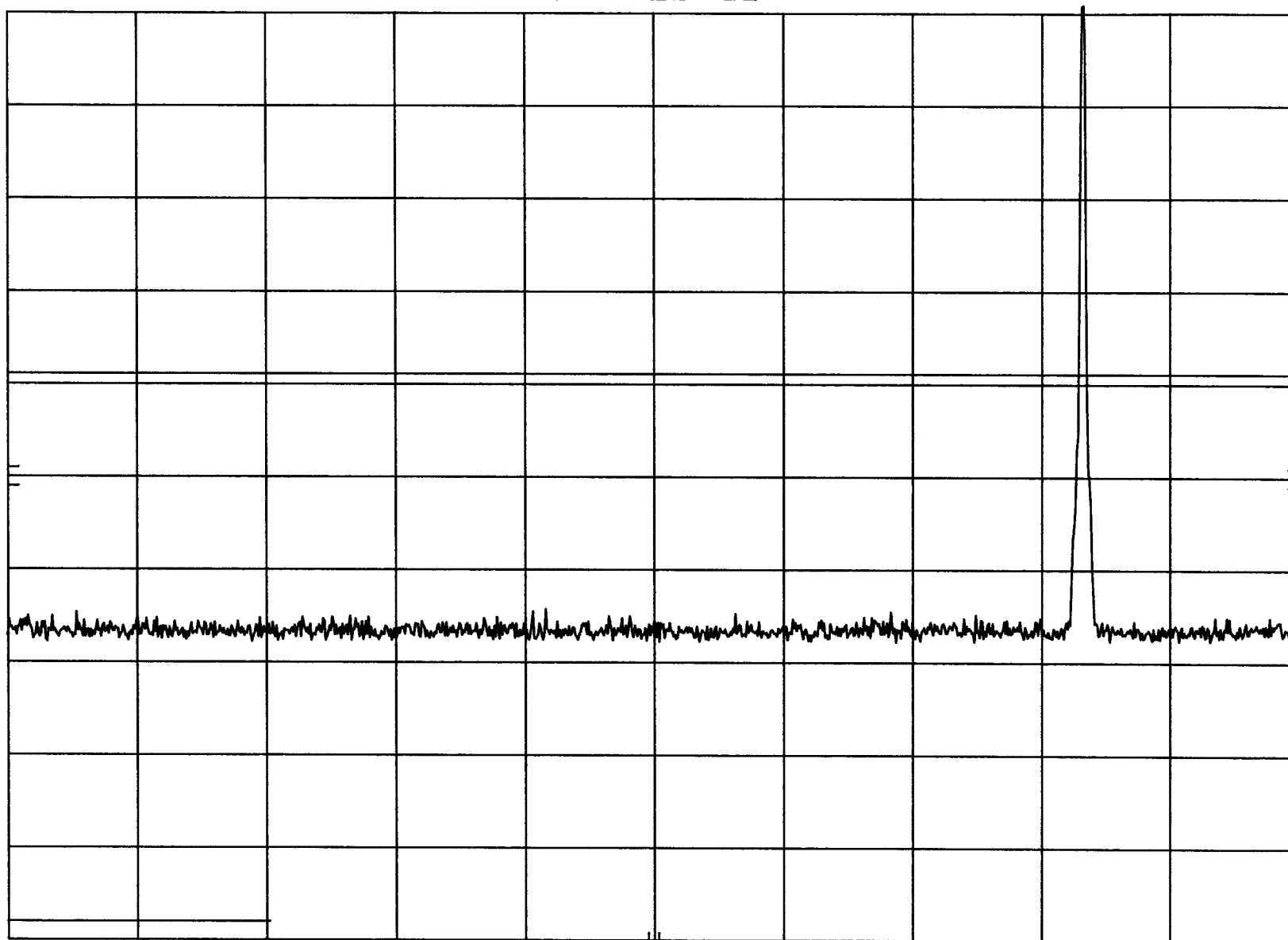
0.7

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-FFMDM510 CDMA Ch.Med Cond.Spurs. MKR 1.672 GHz
REF 25.9 dBm ATTEN 40 dB + 20 dB -33.80 dBm

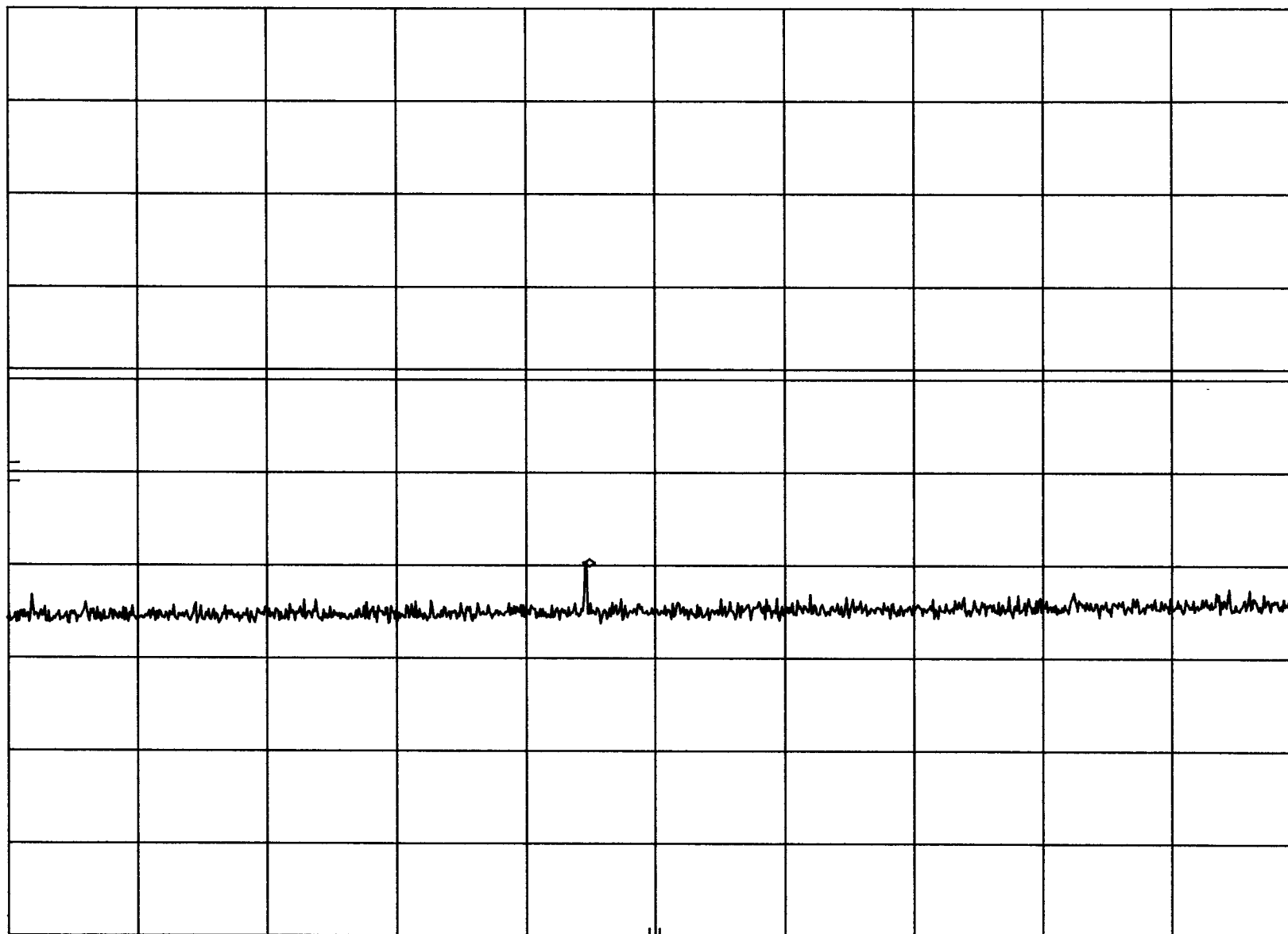
hp

10 dB/

POS PK

OFFSET
0.7
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-FFMDM510 CDMA Ch.Med Cond.Spurs. MKR 6.595 GHz
REF 25.9 dBm ATTEN 40 dB + 20 dB -28.90 dBm

hp

10 dB/

POS PK

OFFSET

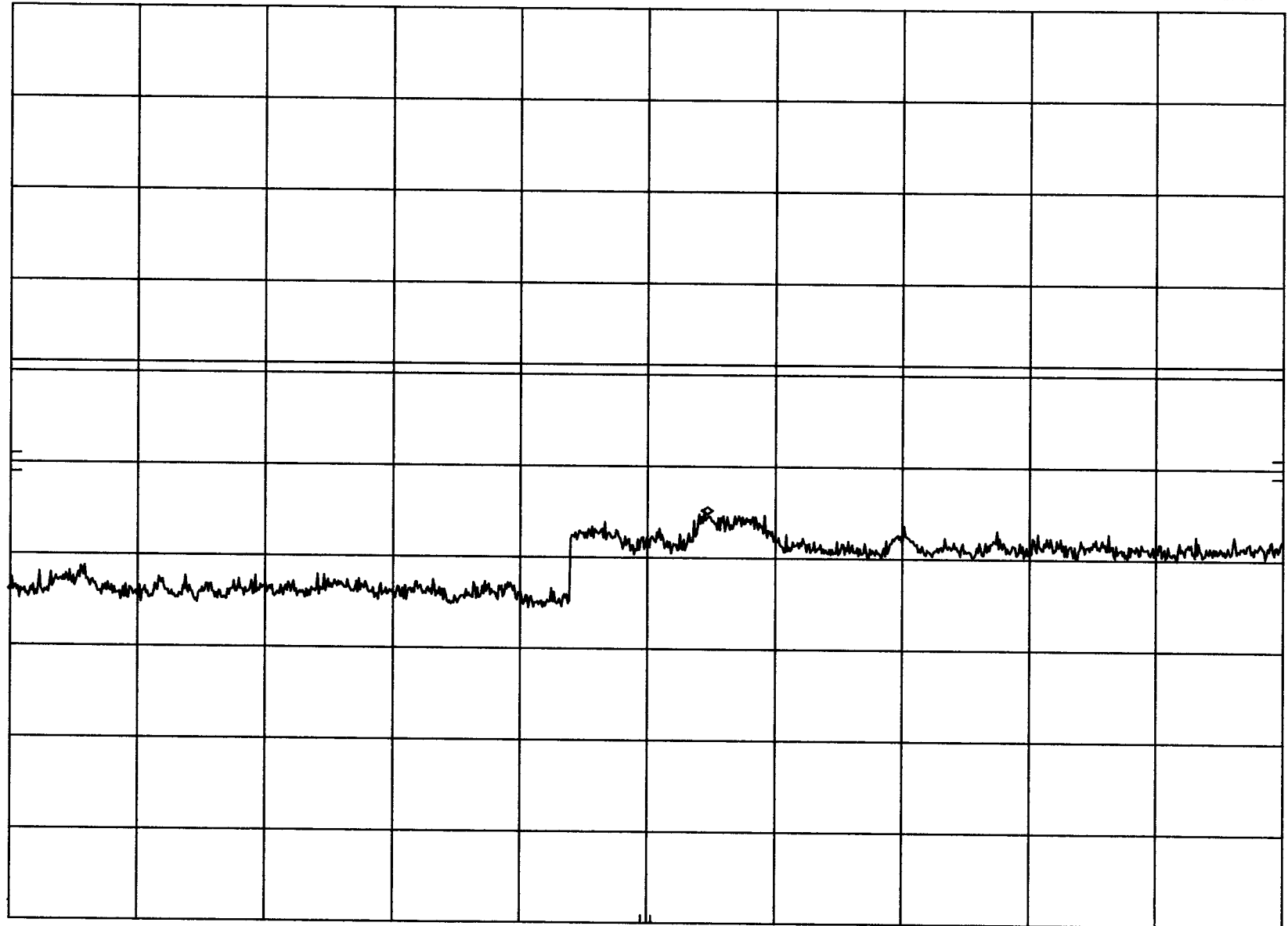
0.7

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-FFMDM510

CDMA Ch.Med

Cond.Spurs.

MKR 19.81 GHz

hp

REF 25.9 dBm

ATTEN 40 dB + 20 dB

-20.20 dBm

10 dB/

POS PK

OFFSET

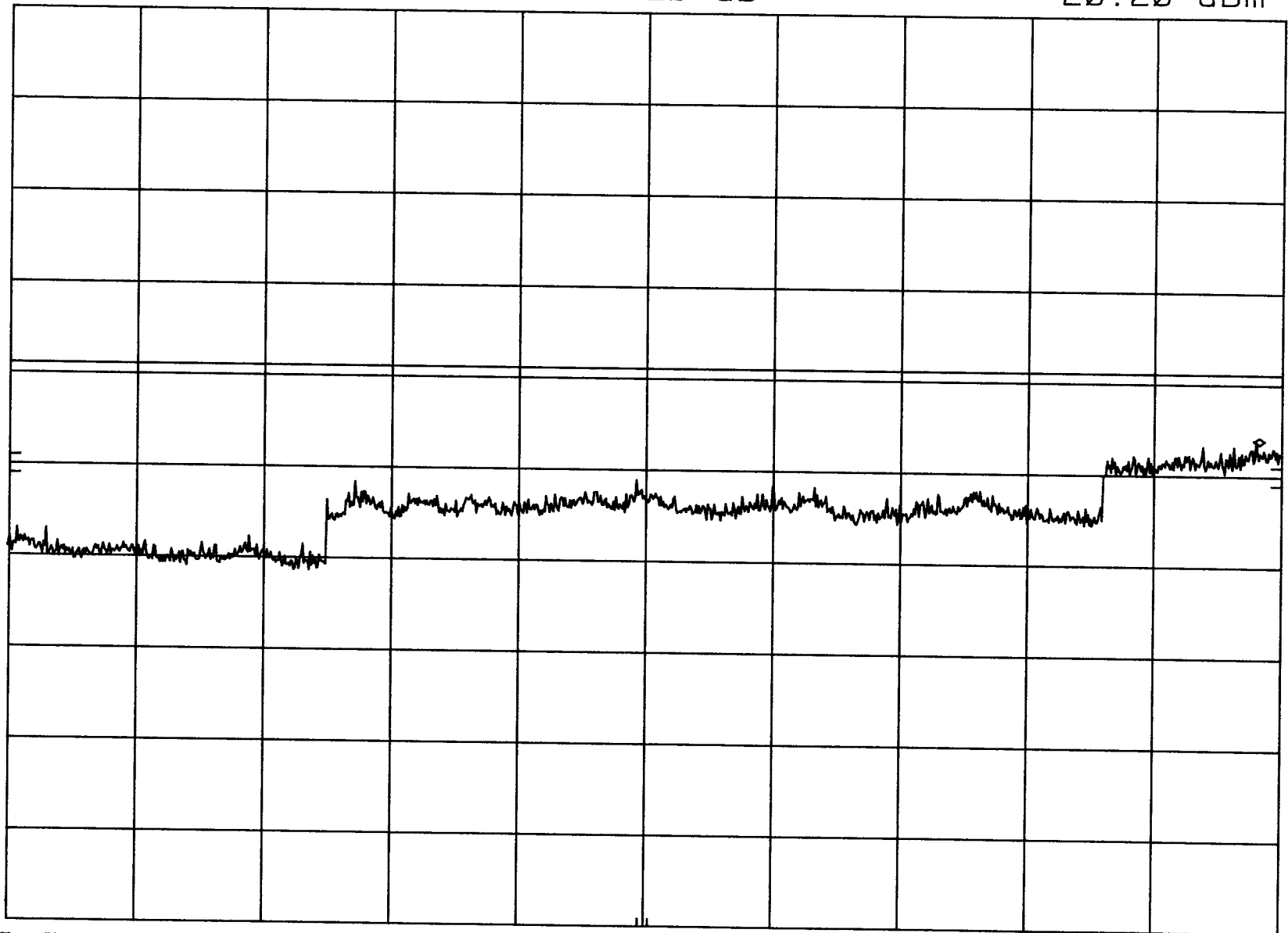
0.7

dB

DL

-13.0

dBm



START 10.0 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz
SWP 250 msec

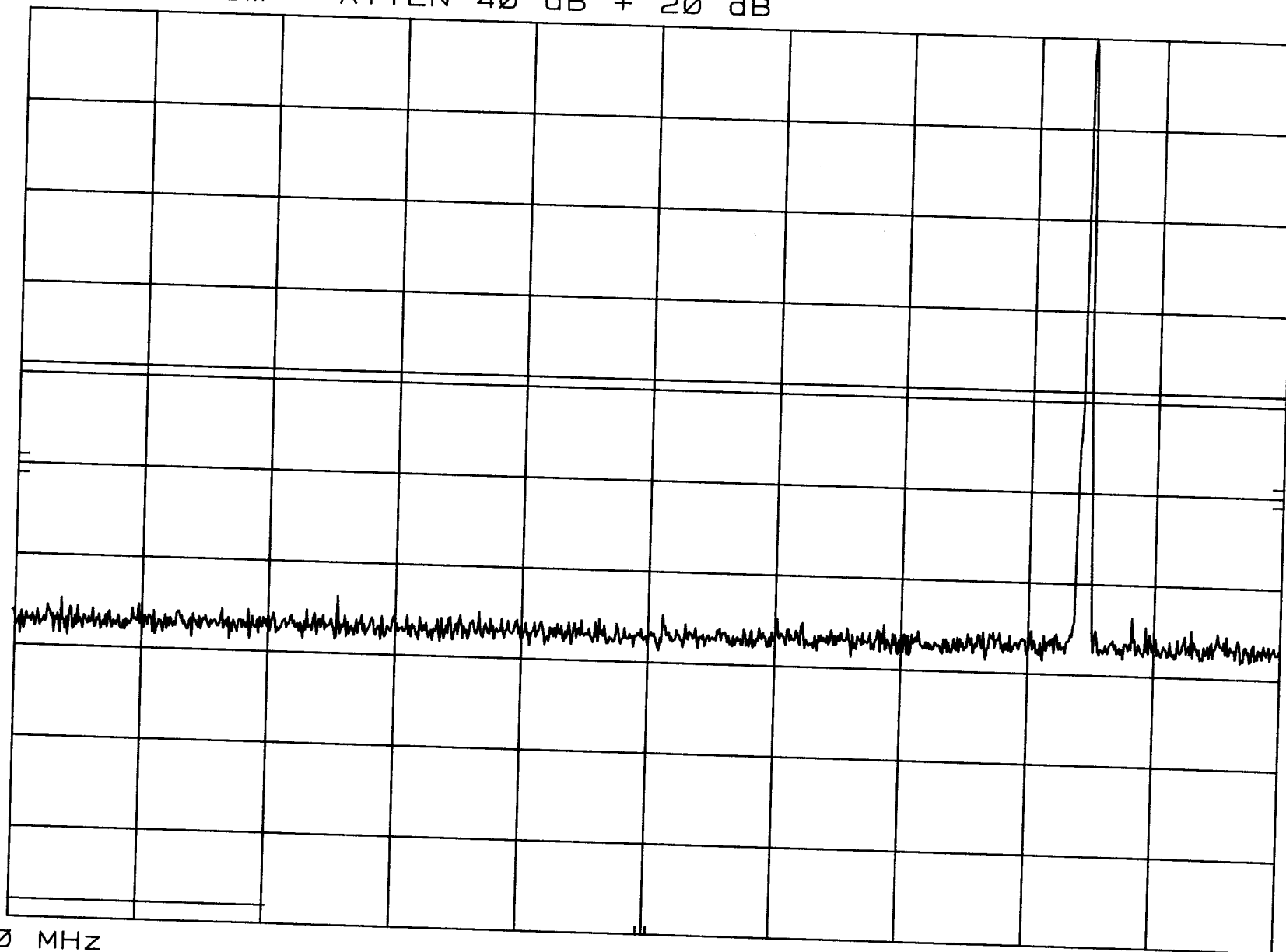
FCC ID-FFMDM510 CDMA Ch.High Cond.Spurs.
hp REF 25.9 dBm ATTEN 40 dB + 20 dB

10 dB/

POS PK

OFFSET
0.7
dB

DL
-13.0
dBm



START 10 MHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 1.000 GHz
SWP 24.8 msec

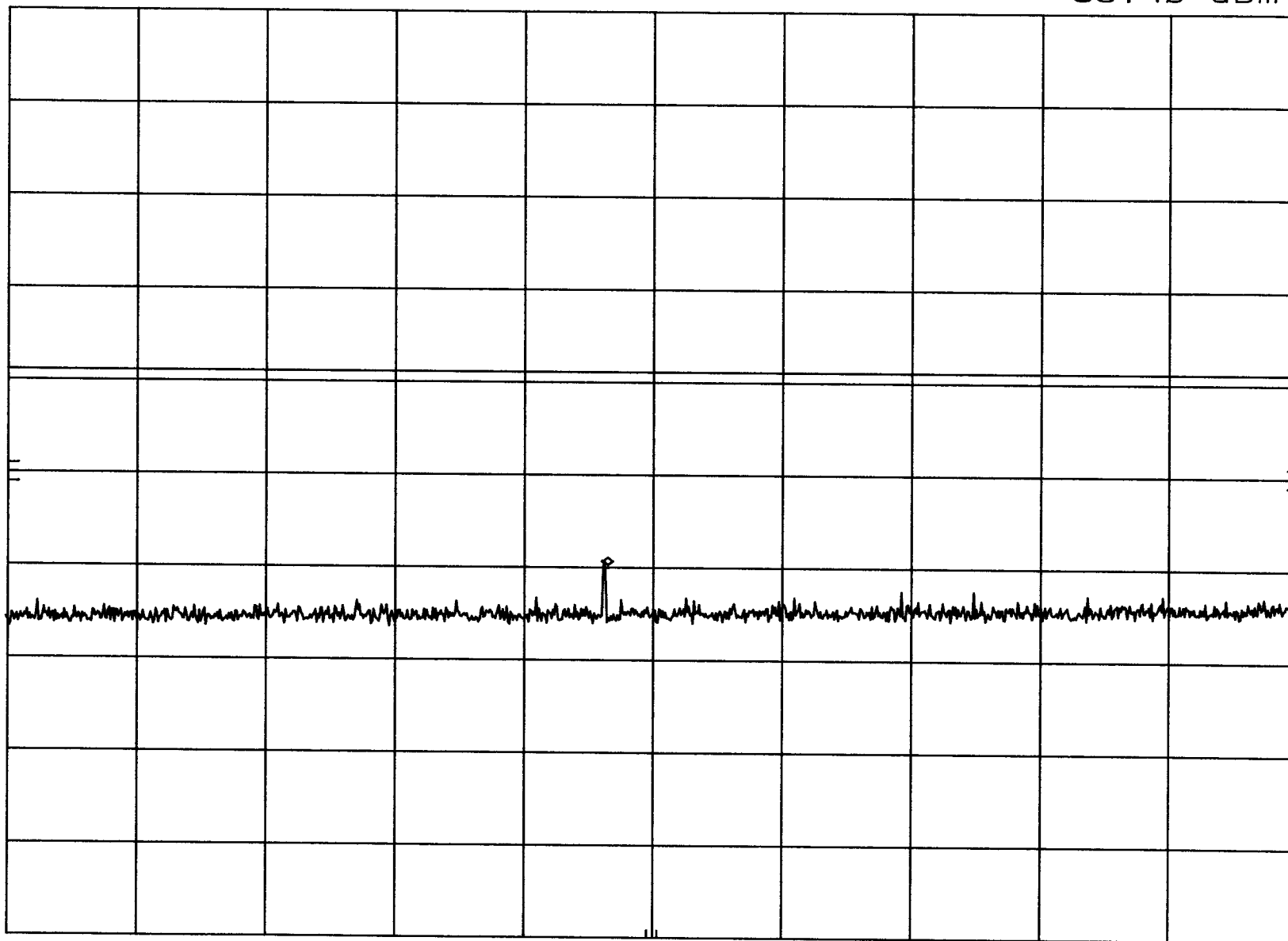
FCC ID-FFMDM510 CDMA Ch.High Cond.Spurs. MKR 1.696 GHz
hp REF 25.9 dBm ATTEN 40 dB + 20 dB -33.40 dBm

10 dB/

POS PK

OFFSET
0.7
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

hp

FCC ID-FFMDM510

CDMA Ch.High

Cond.Spurs.

MKR 6.580 GHz

REF 25.9 dBm

ATTEN 40 dB + 20 dB

-29.10 dBm

10 dB/

POS PK

OFFSET

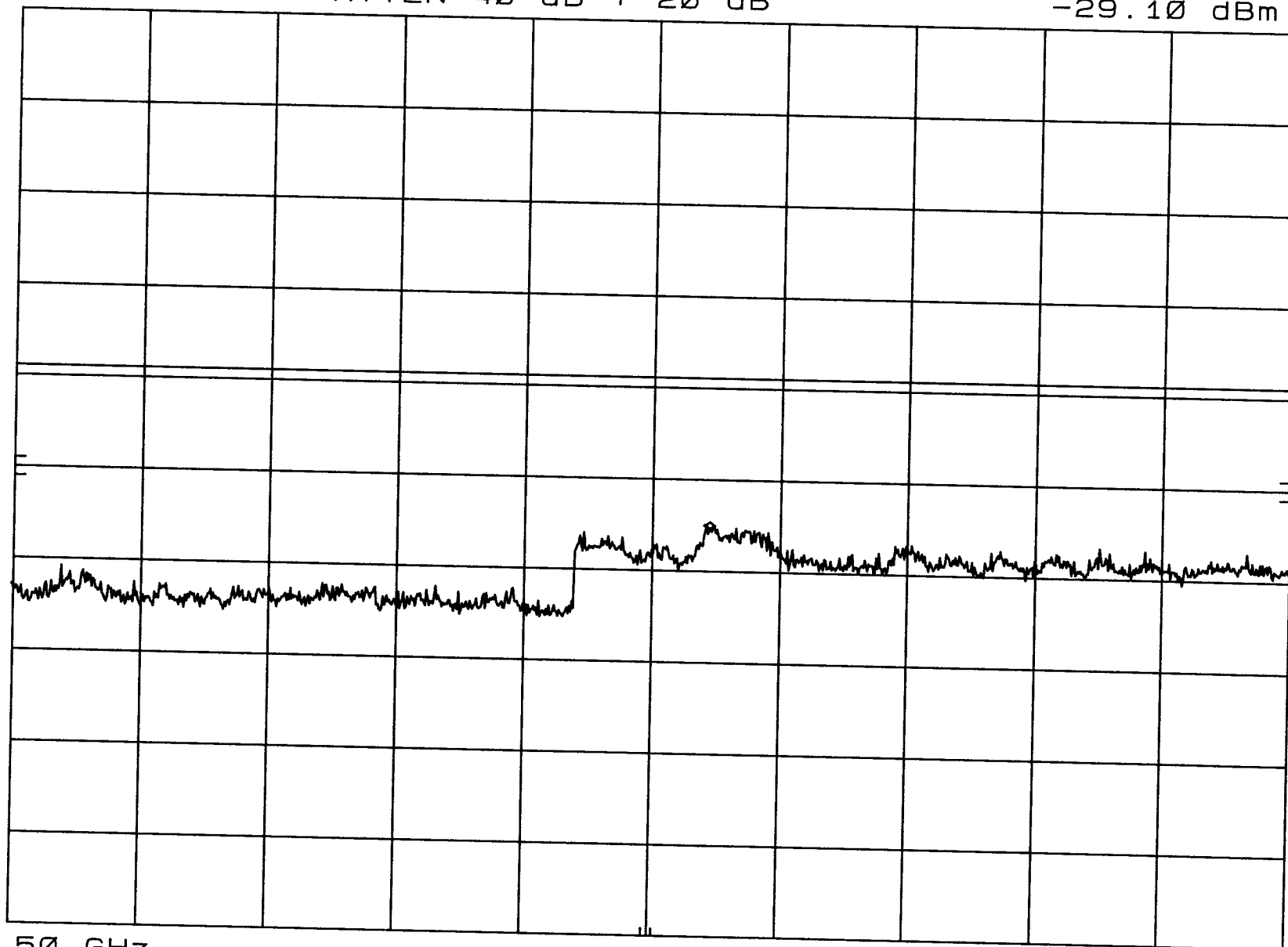
0.7

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-FFMDM510 CDMA Ch.High Cond.Spurs. MKR 19.85 GHz
REF 25.9 dBm ATTEN 40 dB + 20 dB -21.10 dBm

hp

10 dB/

POS PK

OFFSET

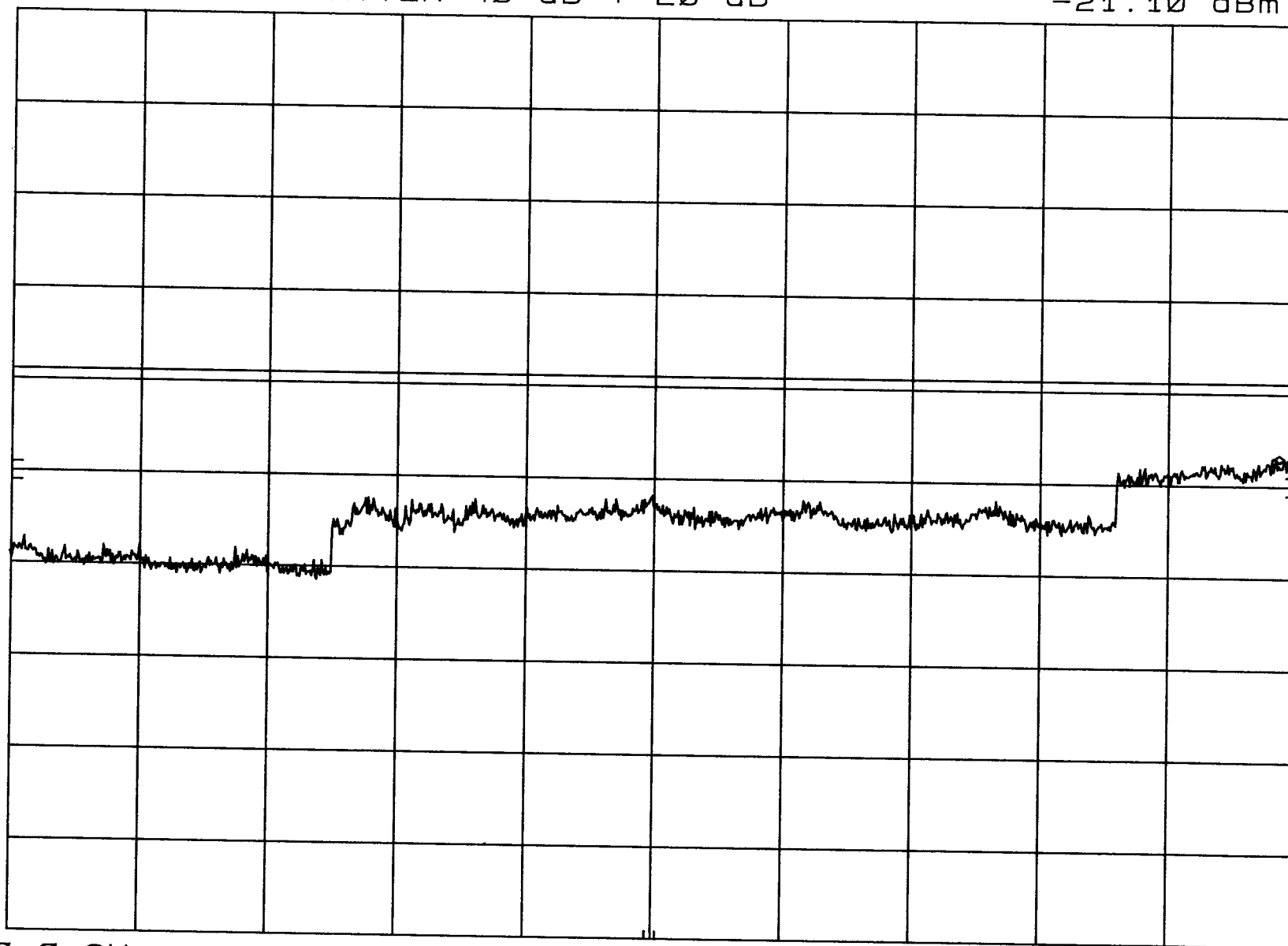
0.7

dB

DL

-13.0

dBm



START 10.0 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz

SWP 250 msec