

PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22

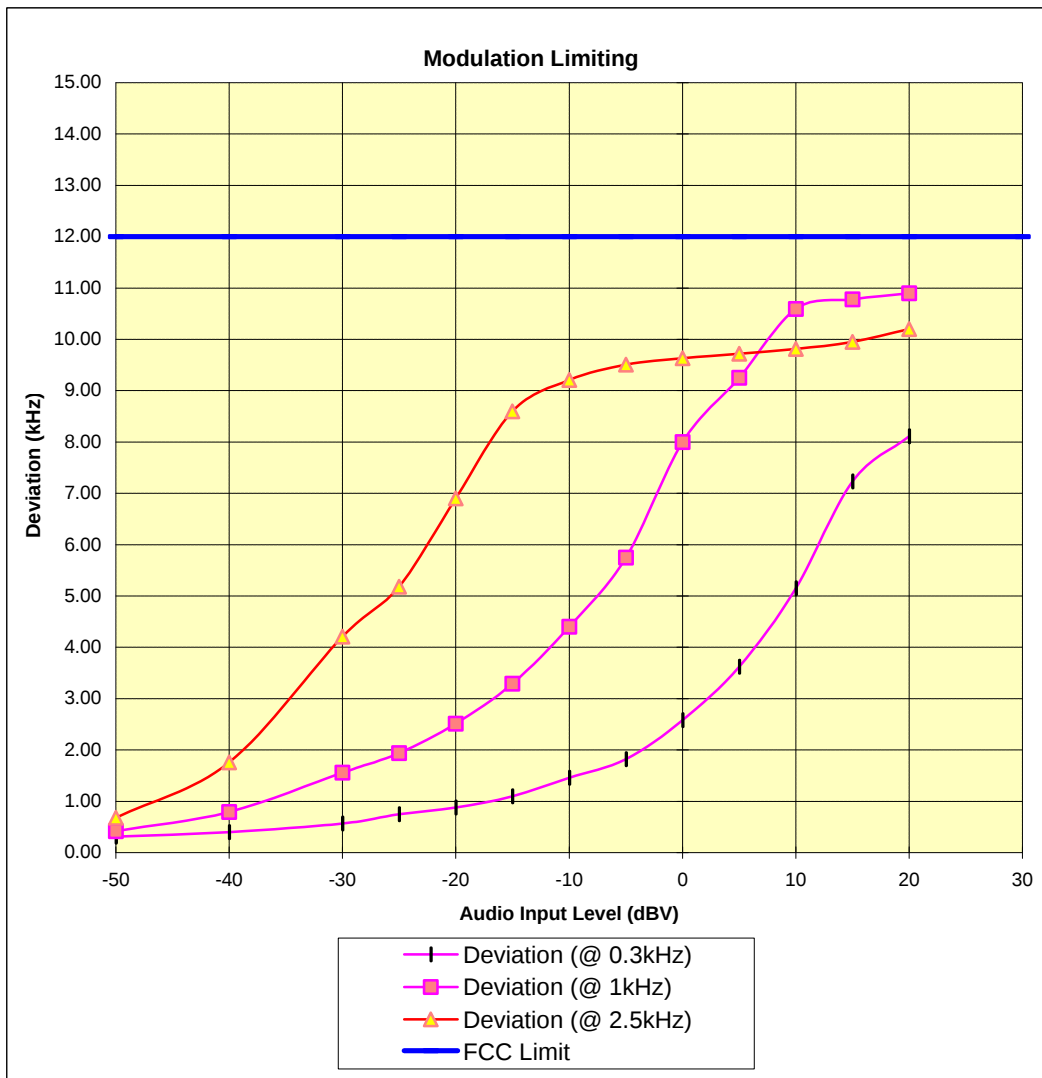
Test Report No.: 22.980826586.A3L
Test Date: 09.17.1998

EUT: SAMSUNG Dual Mode Cellular Phone (AMPS/CDMA)

Model: SCH-370

FCC ID: A3LSCH370

MODE: Audio 1V = 0dB @ 2.5 kHz



SAMSUNG Dual Mode Cellular Phone (AMPS/CDMA)
FCC ID: A3LSCH370

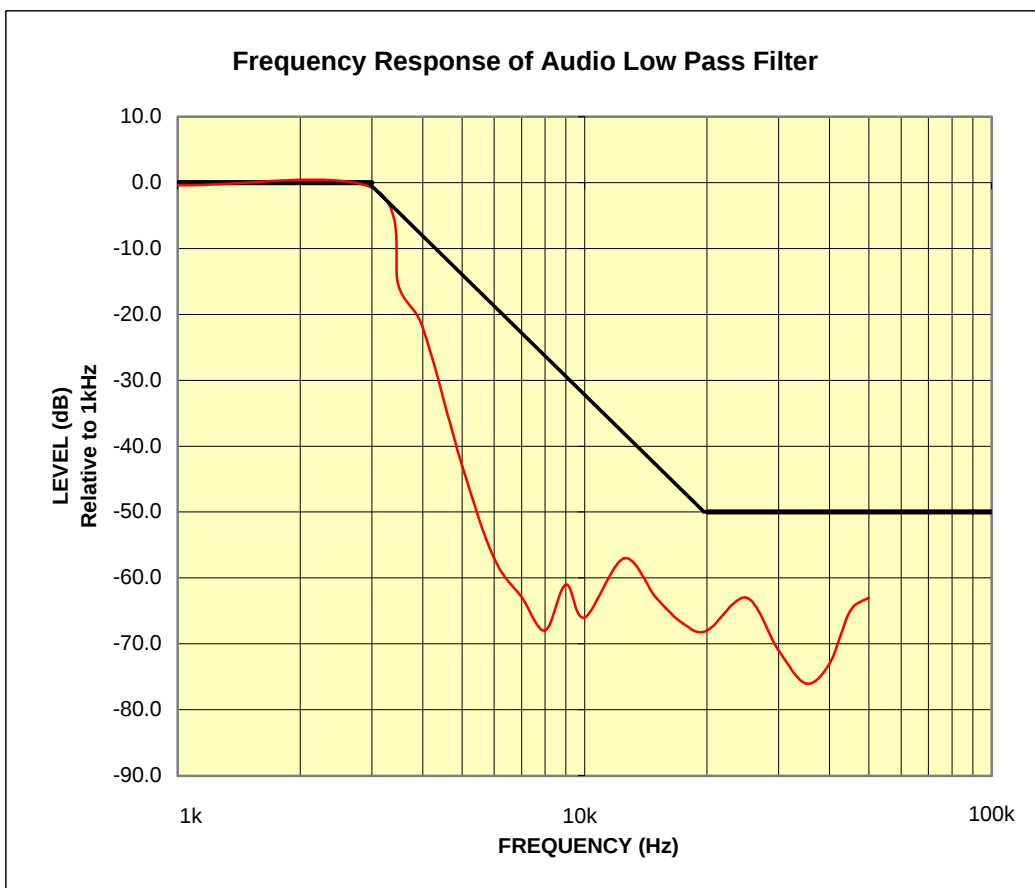
PCTEST Engineering Lab., Inc.

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FCC Part 22

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EUT: SAMSUNG Dual Mode Cellular Phone (AMPS/CDMA)
Model: SCH-370
FCC ID: A3LSCH370

REFERENCE: 1 kHz = 0 dB



SAMSUNG Dual Mode Cellular Phone (AMPS/CDMA)
FCC ID: A3LSCH370

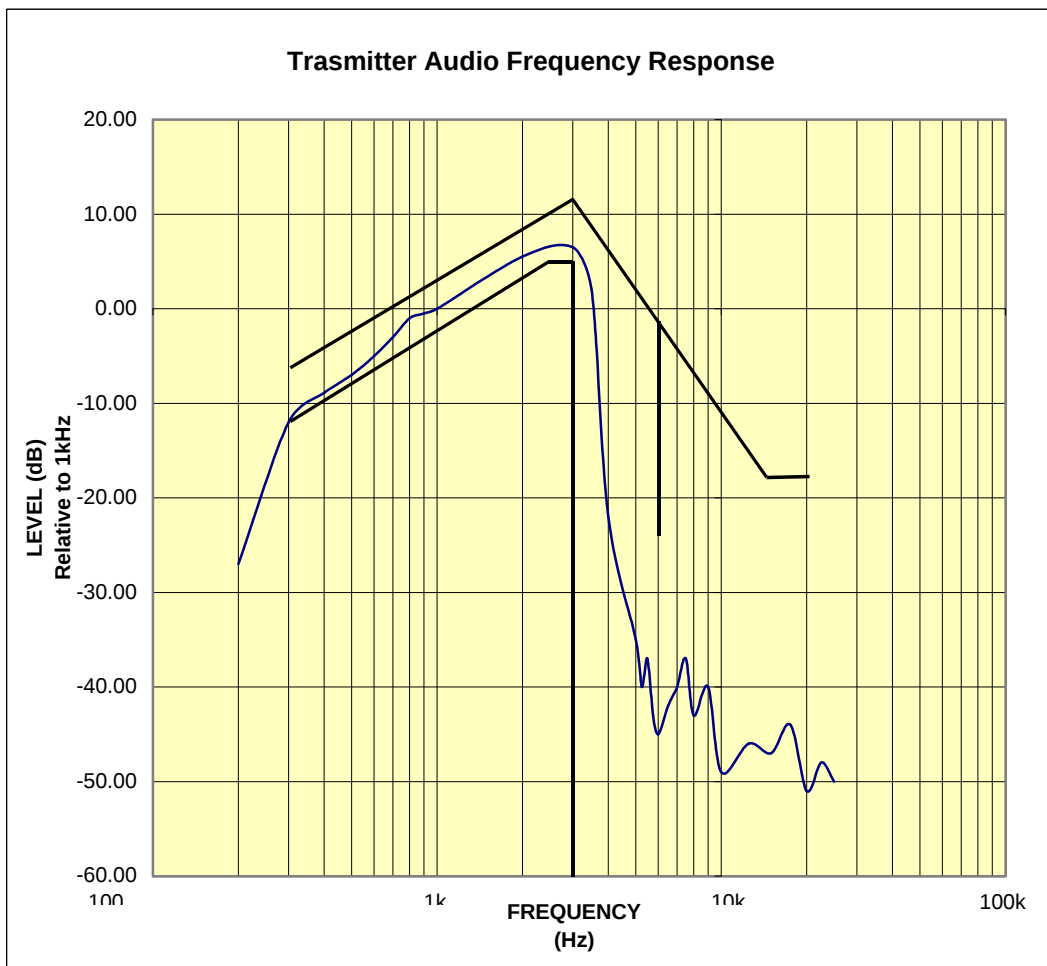
PCTEST Engineering Lab., Inc.

SUBJECT: Modulation Characteristics
FCC Part 22

Test Report No.: 22.980826586.A3L
Test Date: 09.17.1998

EUT: SAMSUNG Dual Mode Cellular Phone (AMPS/CDMA)
Model: SCH-370
FCC ID: A3LSCH370

REFERENCE: 1 kHz = 0 dB



SAMSUNG Dual Mode Cellular Phone (AMPS/CDMA)
FCC ID: A3LSCH370

PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH-370

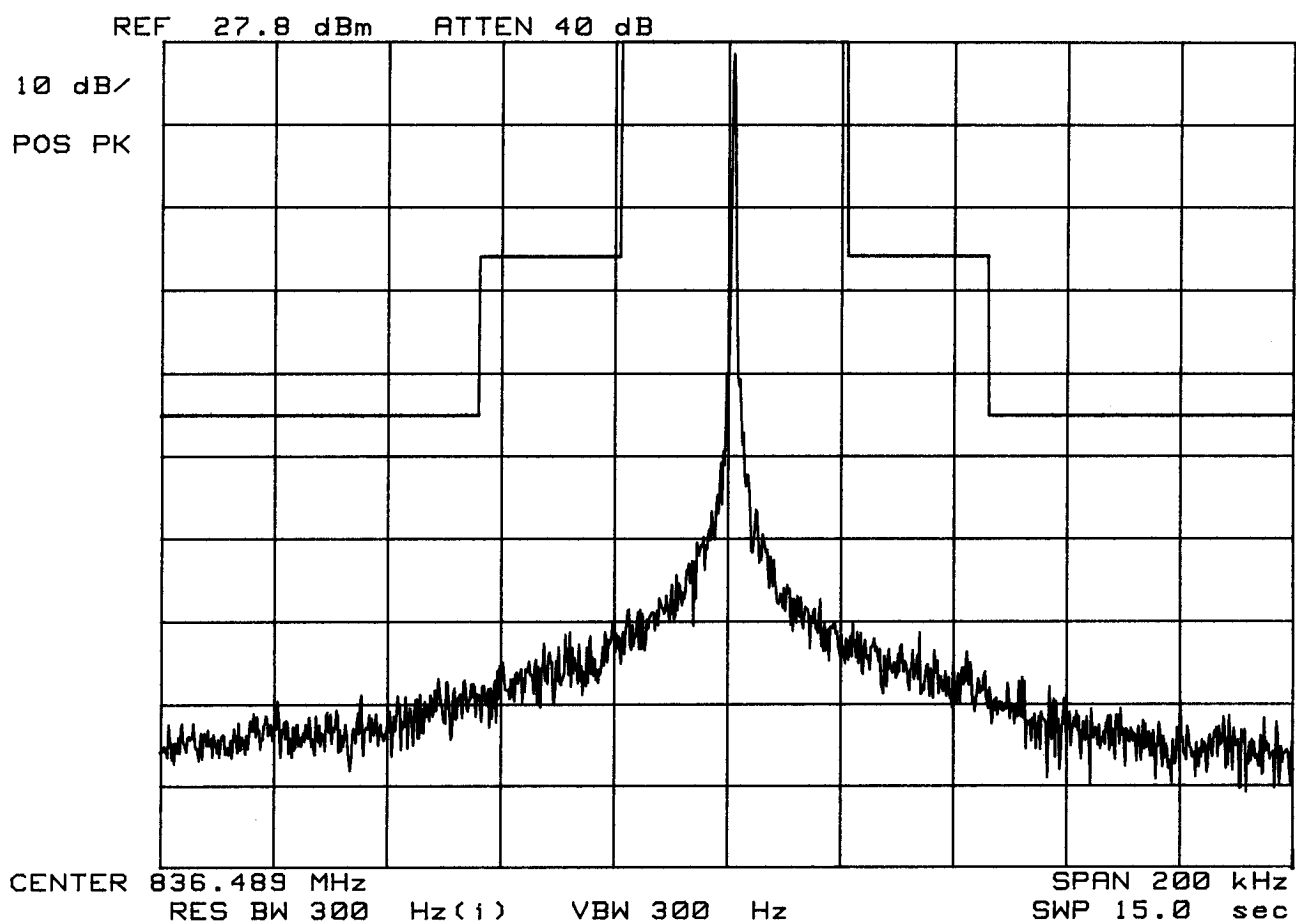
SAMSUNG DUAL MODE

FM Mode

Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:Unmodulated Signal



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH-370

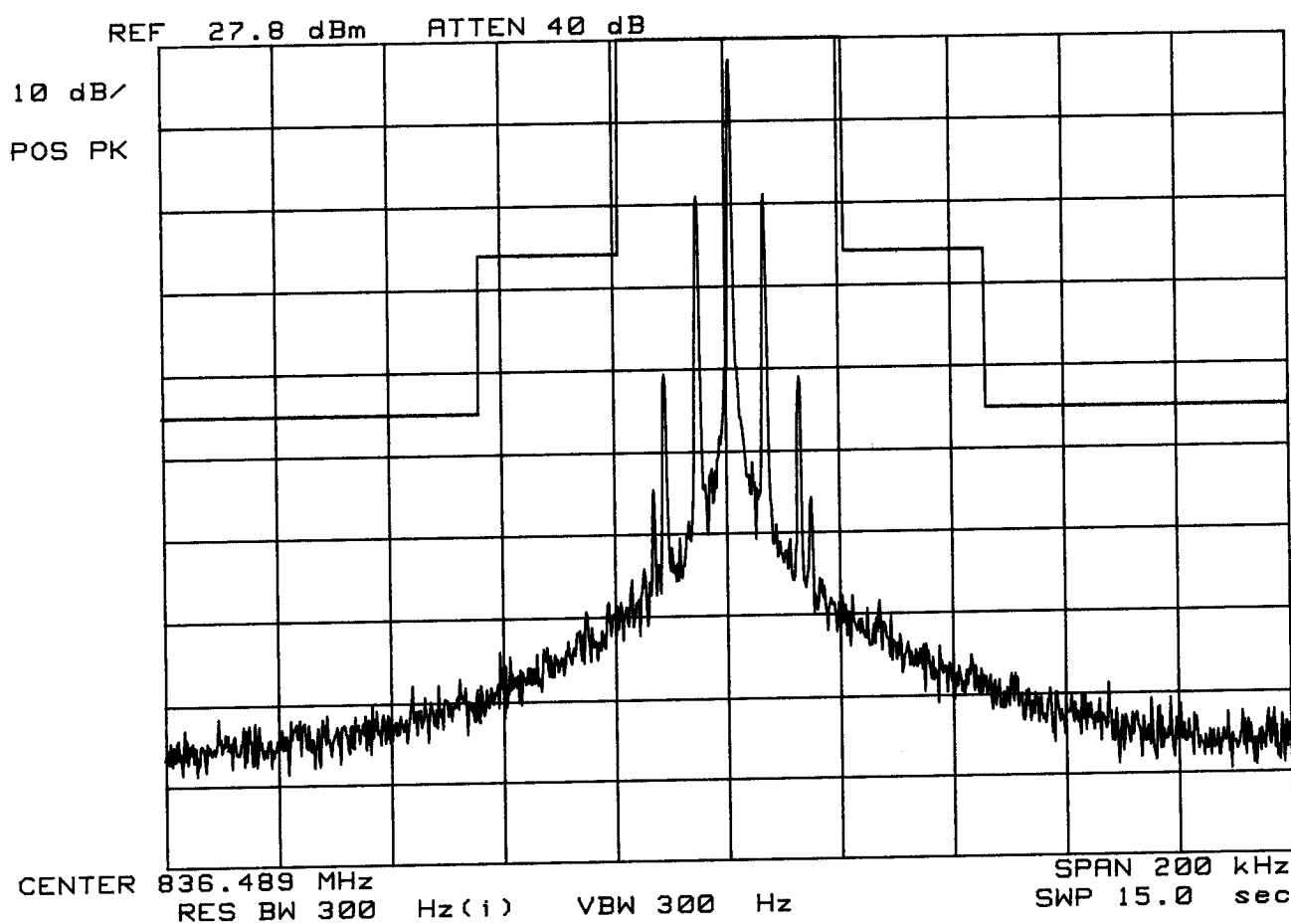
SAMSUNG DUAL MODE

FM Mode

Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:SAT



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH-370

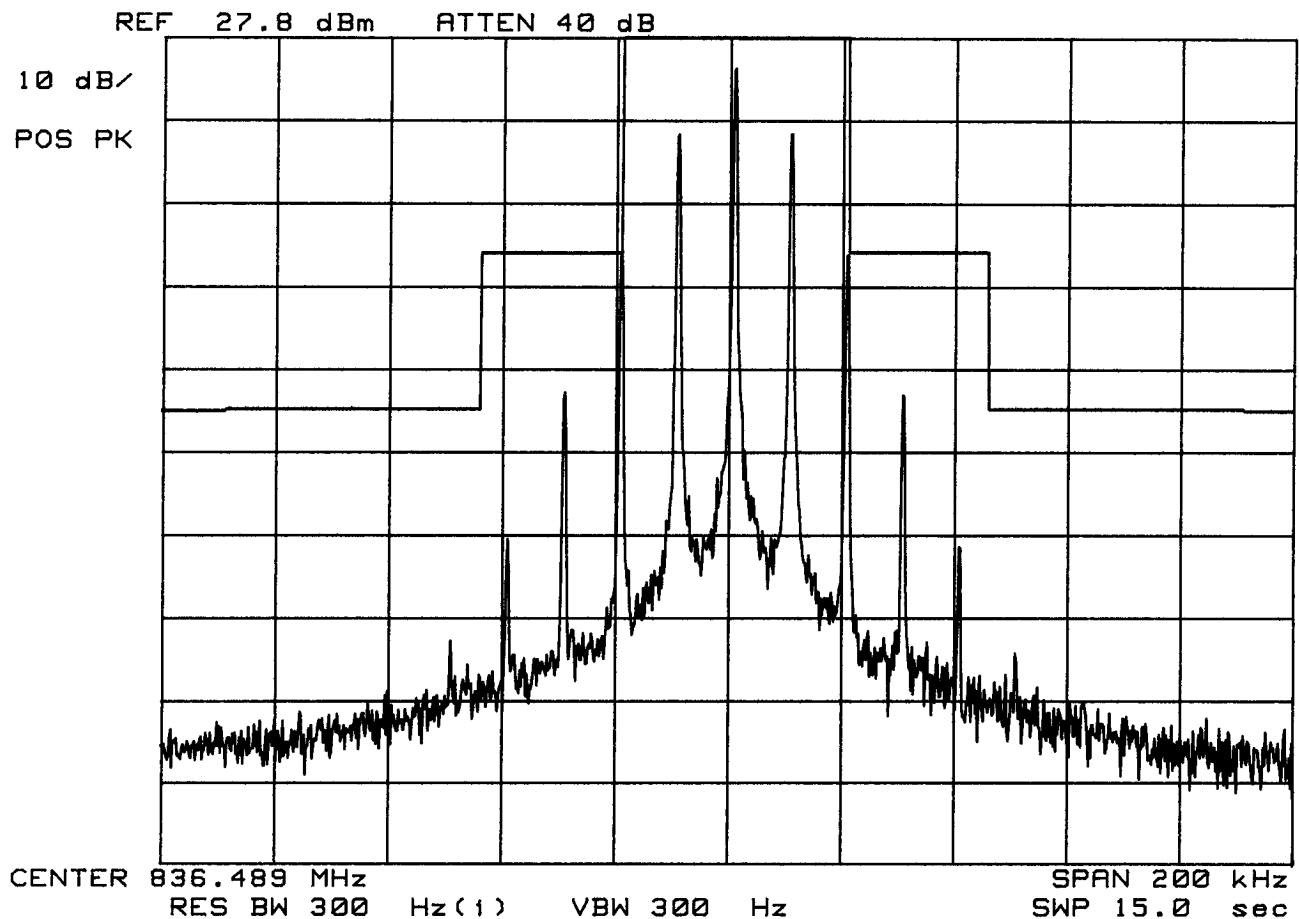
SAMSUNG DUAL MODE

FM Mode

Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH-370

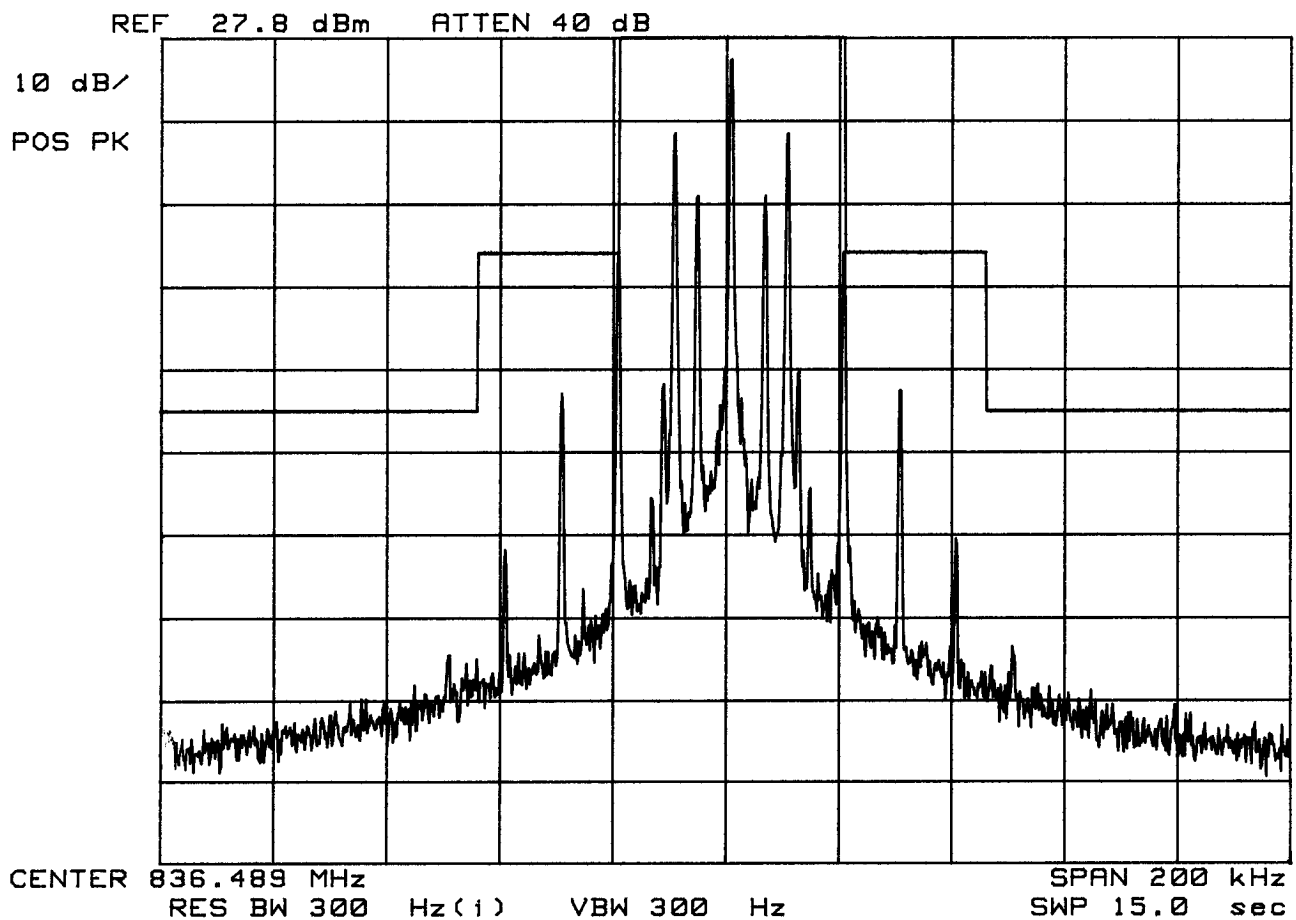
SAMSUNG DUAL MODE

FM Mode

Operating Frequency: 836.490 MHz

Output Power : 27.8 dBm

Test Mode:SAT + ST



PCTEST Engineering Lab.

SPECTRUM ANALYZER PRESENTATION

FCC ID:A3LSCH-370

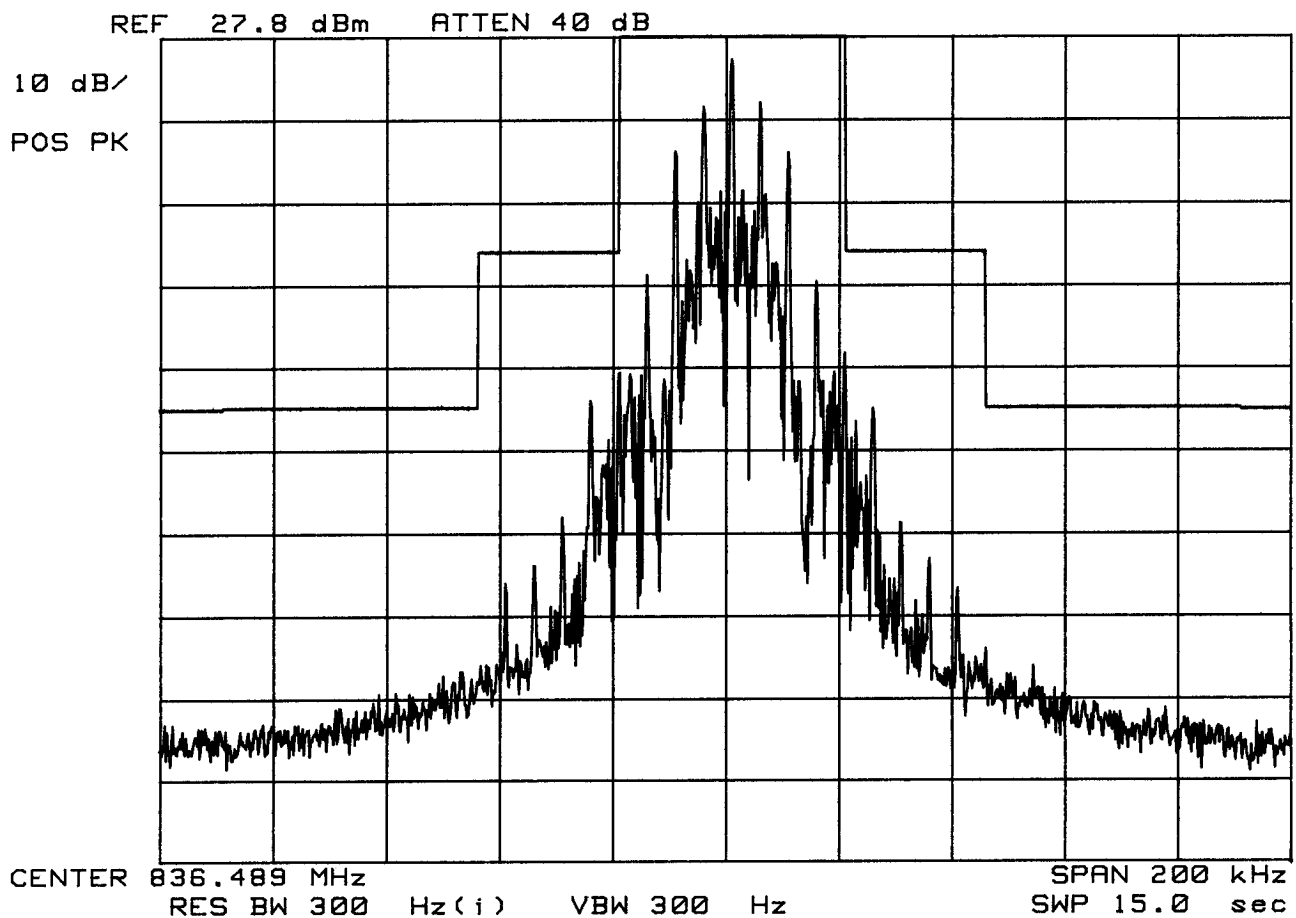
SAMSUNG DUAL MODE

FM Mode

Operating Frequency: 836.490 MHz

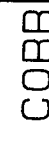
Output Power : 27.8 dBm

Test Mode:Wide Band Data



4

REF 28.0 dBm ATTEN 40 dB



SWP 20 msec

[illegible]

START 1.000 GHz	STOP 2.500 GHz
RES BW 3.0 MHz	SWP 30 msec
#VBW 1 MHz	

FCC ID-A3LSCH-370 Ch.Low Cond.Spur.

MKR 6.580 GHz

REF 28.0 dBm ATTN 40 dB + 20 dB

-29.40 dBm

hp

10 dB/

POS PK

OFFSET

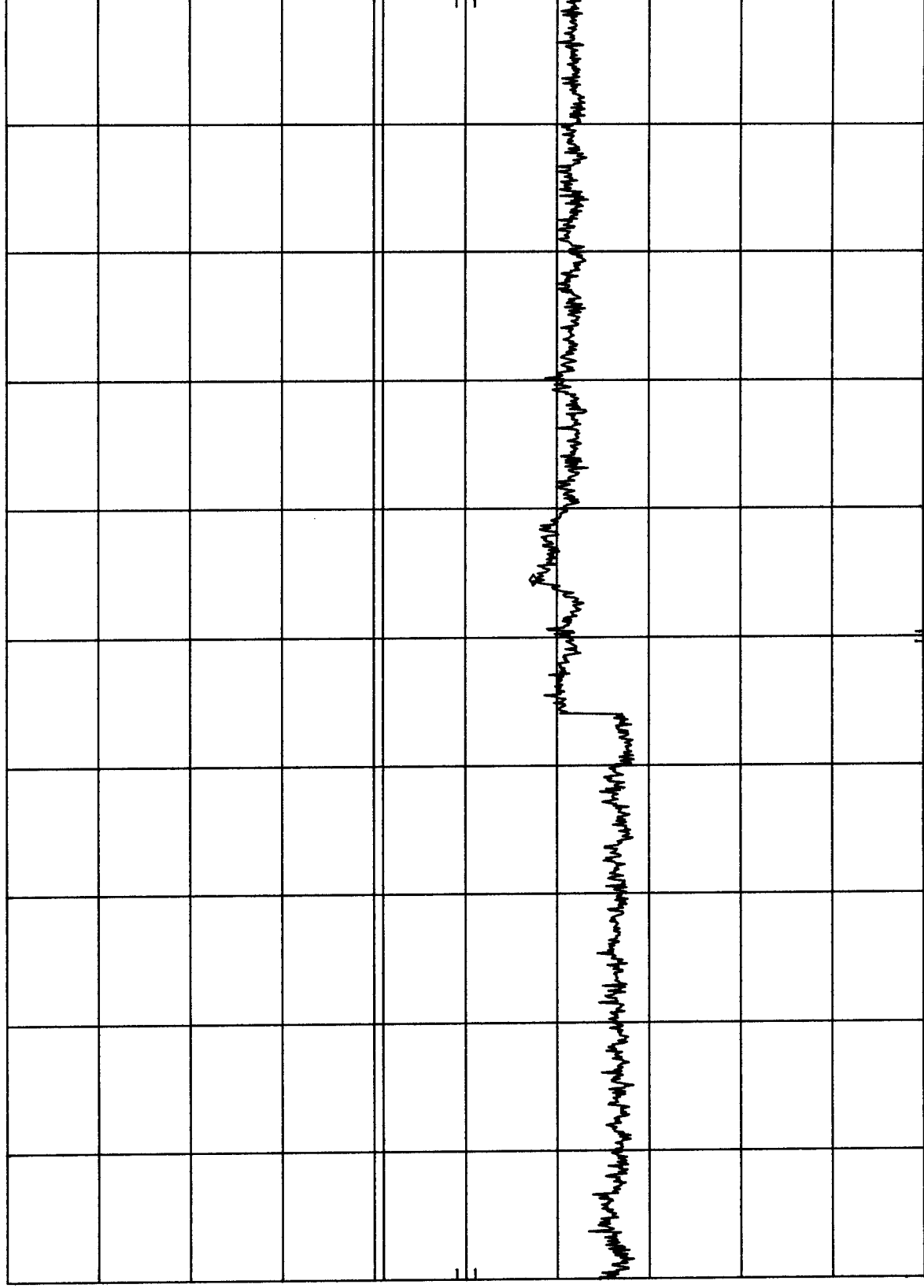
1.0

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-A3LSCH-370 Ch.Low Cond.Spur.
REF 28.0 dBm ATTN 40 dB + 20 dB MKR 19.76 GHz
-21.20 dBm

hp

10 dB/

POS PK

OFFSET

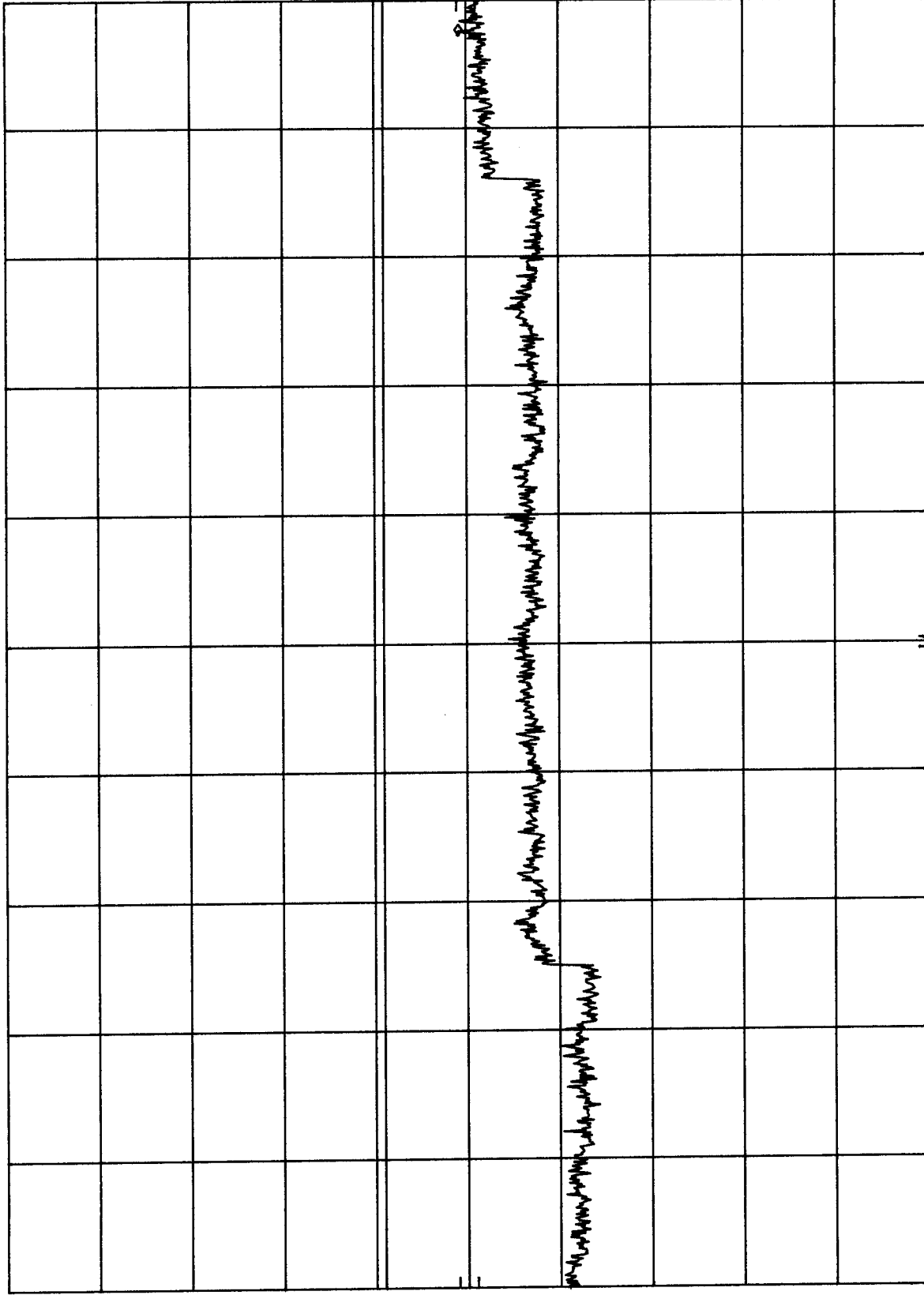
1.0

dB

DL

-13.0

dBm



START 10.0 GHz

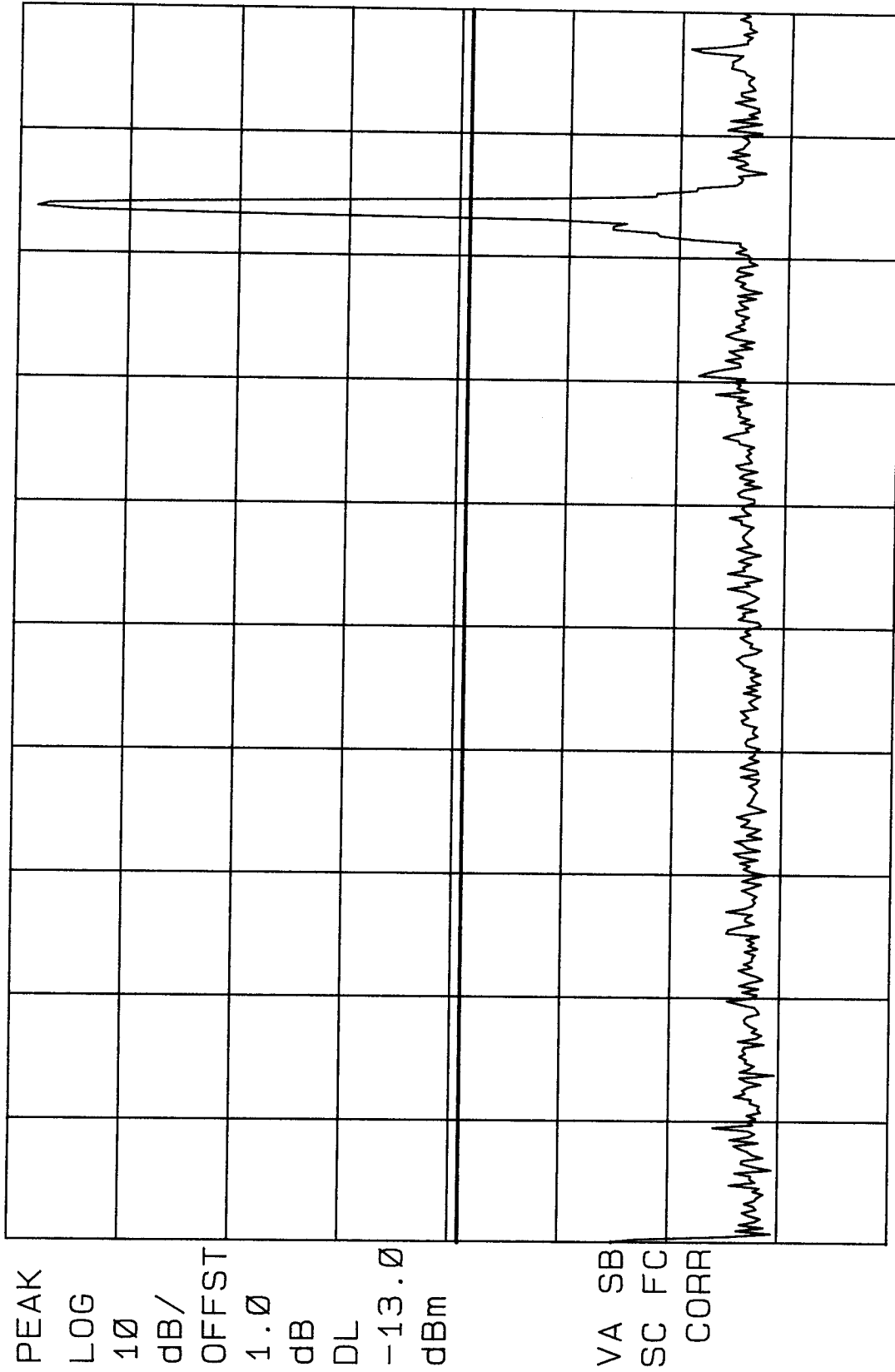
RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz

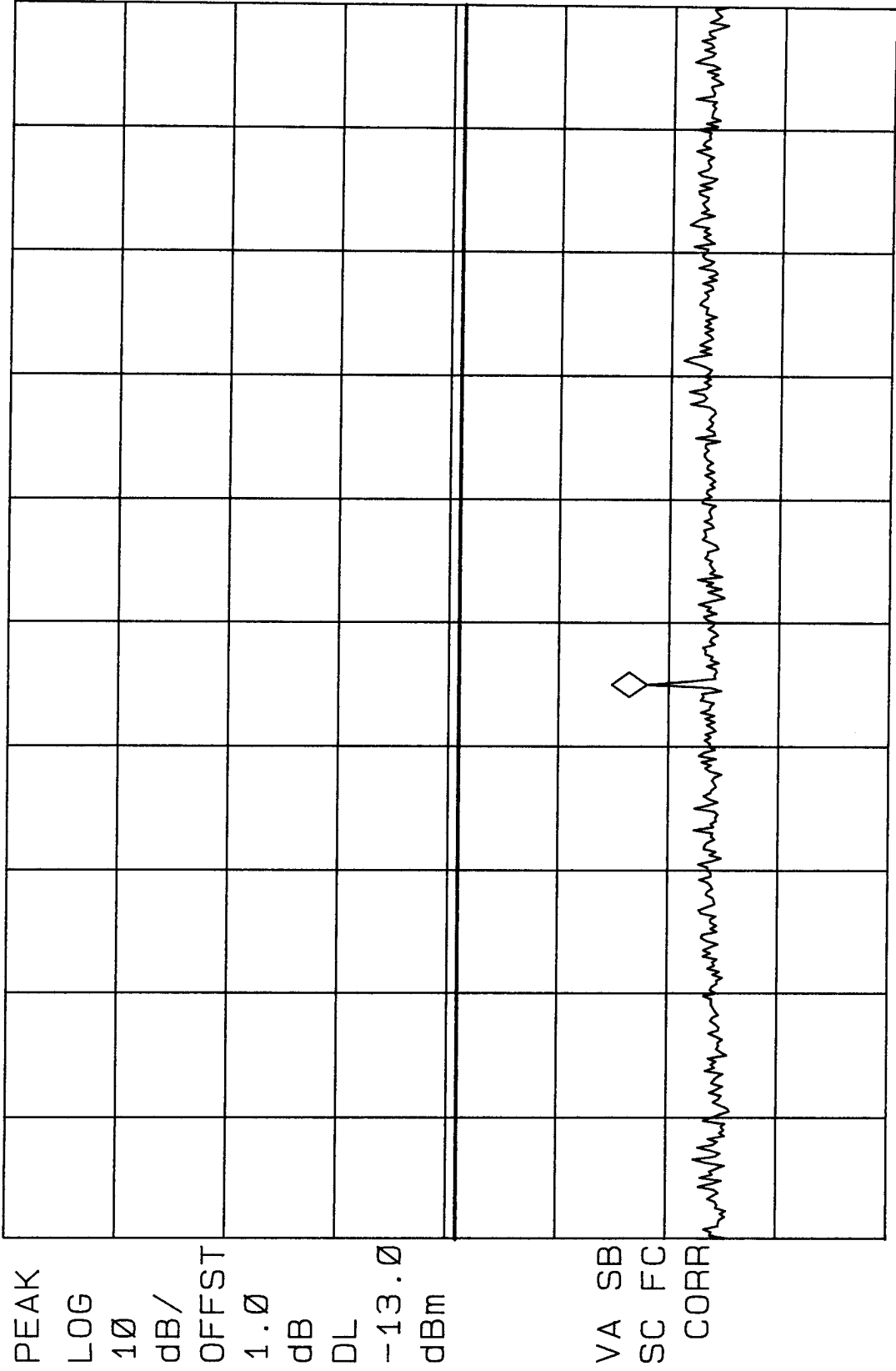
SWP 250 msec

~~NO~~ FCC ID: A3LSCH-370 Ch. Med Cond. Spur.
REF 28.0 dBm ATTN 40 dB



START 10.0 MHz STOP 1.0000 GHz
RES BW 3.0 MHz #VBW 1 MHz SWP 20 msec

~~h~~ FCC ID: A3LSCH-370 Ch. Med Cond.Spur. MKR 1.675 GHz
REF 28.0 dBm ATTEN 40 dB -30.02 dBm



START 1.000 GHz STOP 2.500 GHz
RES BW 3.0 MHz #VBW 1 MHz SWP 30 msec

FCC ID-A3LSCH-370 Ch.Med Cond.Spur.
REF 28.0 dBm ATTN 40 dB + 20 dB MKR 6.648 GHz
-28.50 dBm

hp

10 dB/

POS PK

OFFSET

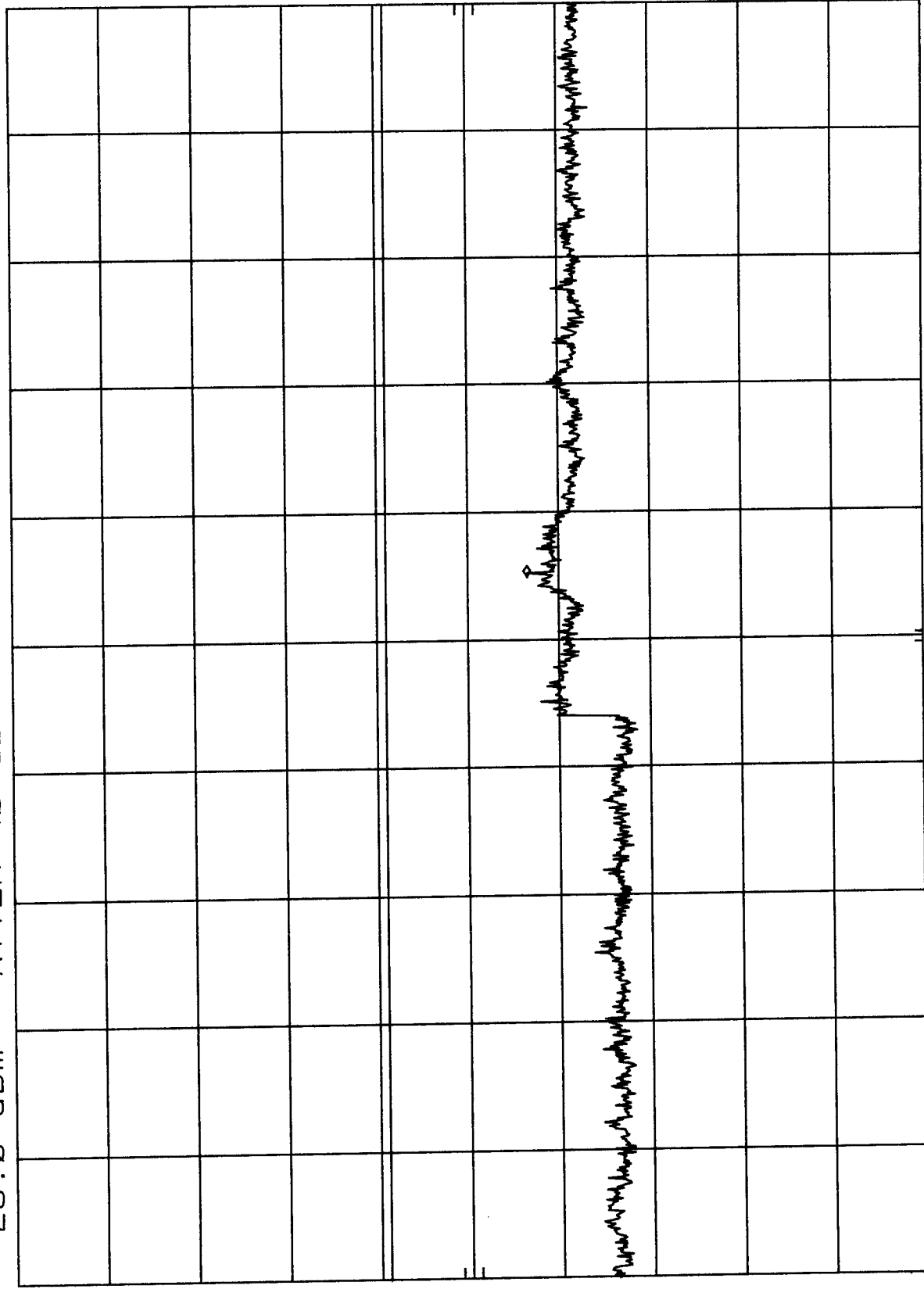
1.0

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-A3LSCH-370 Ch.Med Cond.Spur.
REF 28.0 dBm ATTN 40 dB + 20 dB MKR 19.86 GHz
-21.50 dBm

hp

10 dB/

POS PK

OFFSET

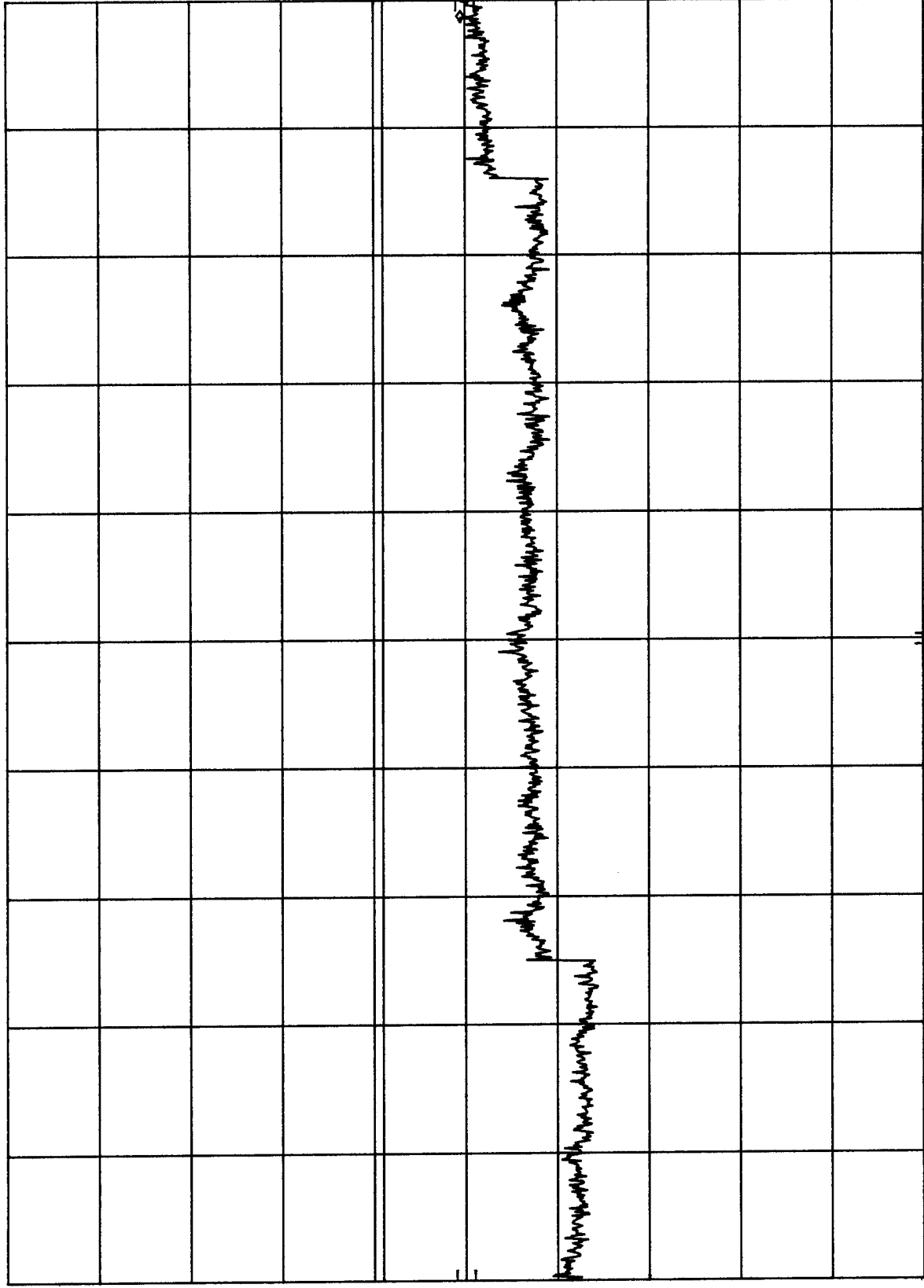
1.0

dB

DL

-13.0

dBm



START 10.0 GHz

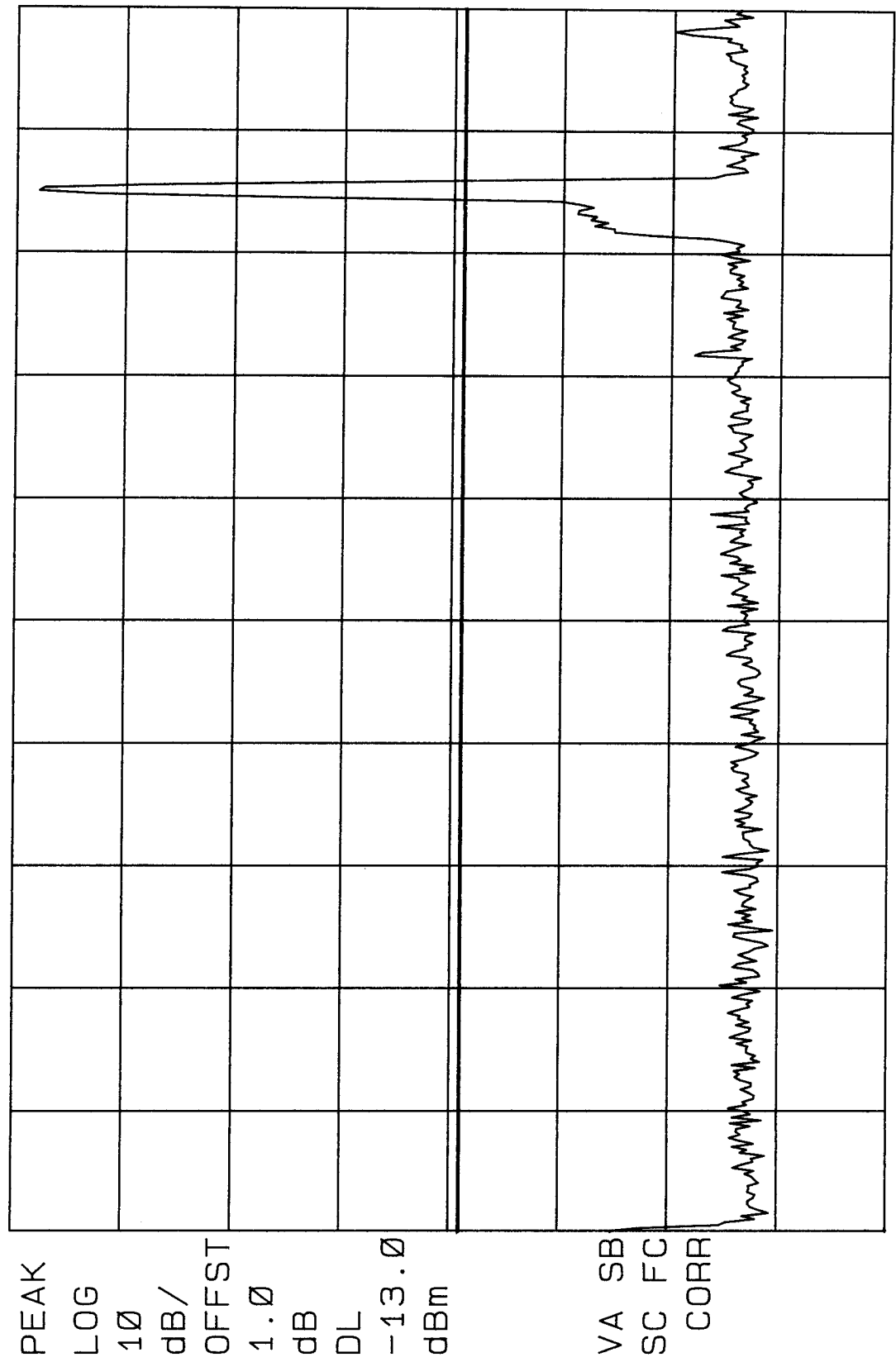
RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz

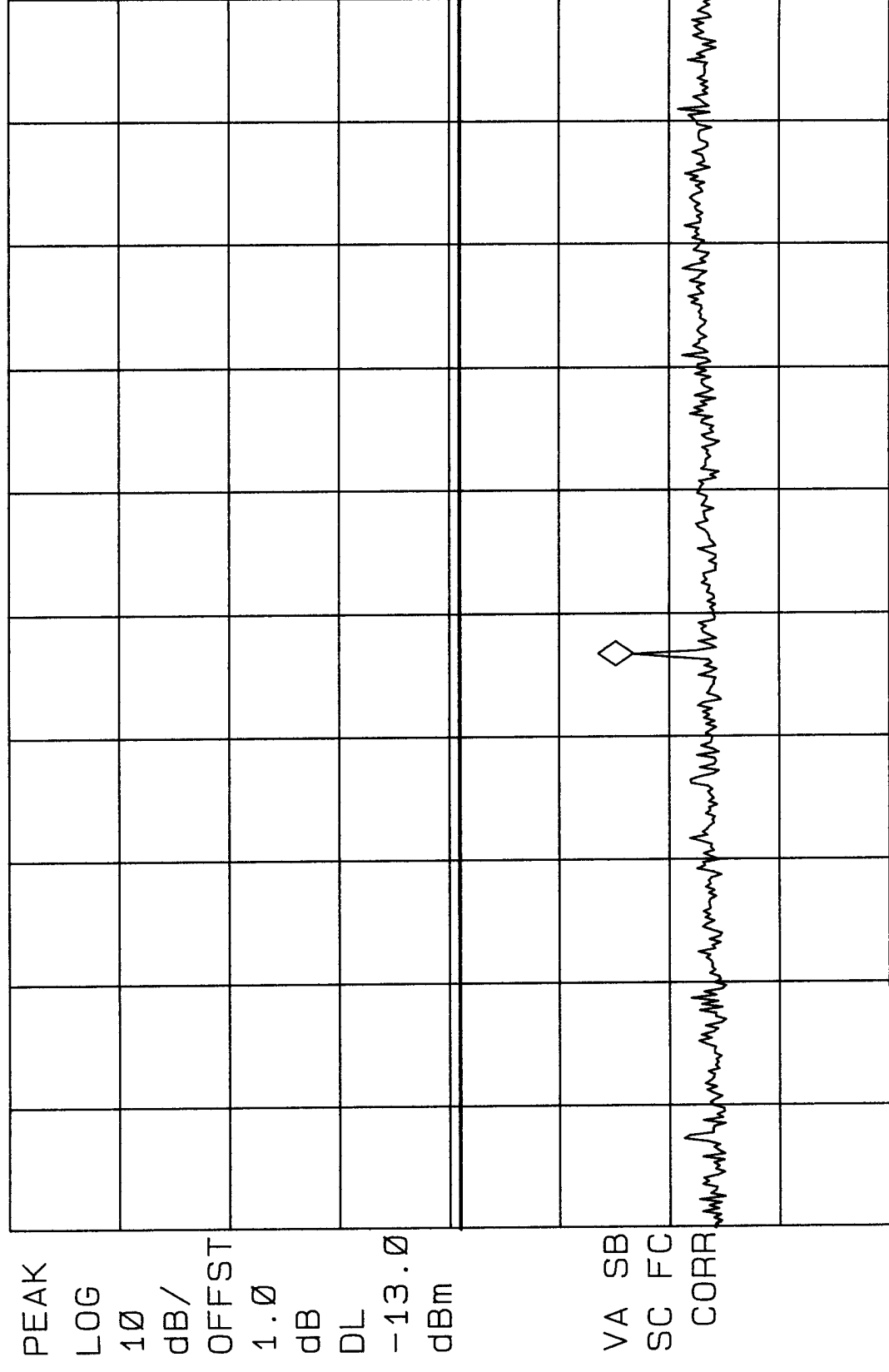
SWP 250 msec

~~h~~ FCC ID: A3LSCH-370 Ch. High Cond. Spur.
REF 28.0 dBm ATTEN 40 dB



START 10.0 MHz RES BW 3.0 MHz STOP 1.0000 GHz SWP 20 msec
#VBW 1 MHz

FCC ID: A3LSCH-370 Ch. High Cond.Spur. MKR 1.701 GHz
REF 28.0 dBm ATTN 40 dB -28.74 dBm



START 1.000 GHz STOP 2.500 GHz
RES BW 3.0 MHz SWP 30 msec
#VBW 1 MHz

FCC ID-A3LSCH-370 Ch.High Cond.Spur.
hP REF 28.0 dBm ATTN 40 dB + 20 dB MKR 6.618 GHz
-29.50 dBm

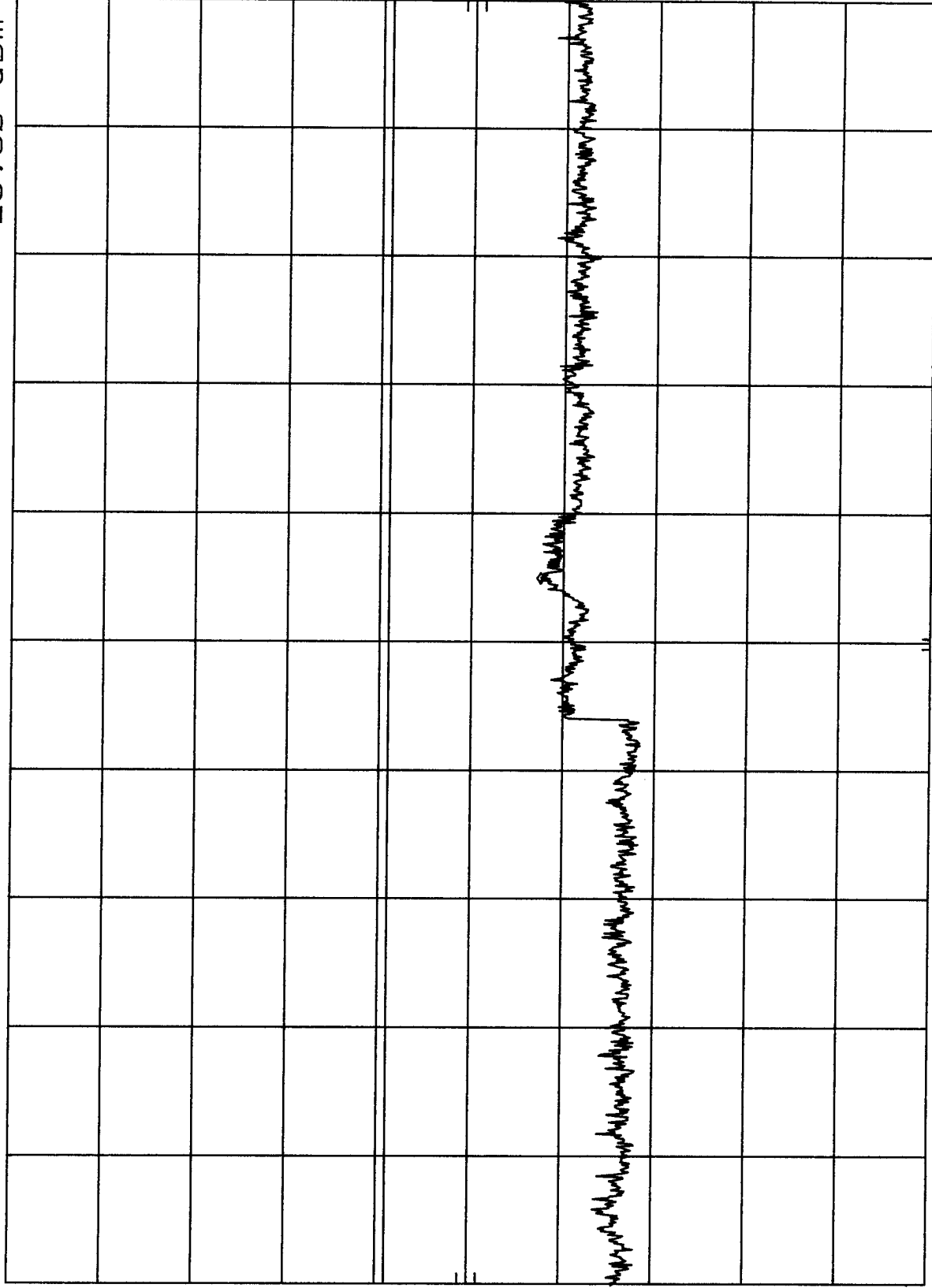
10 dB/

POS PK

OFFSET

1.0
dB

DL
-13.0
dBm



START 2.50 GHz

RES BW 1 MHz (i)

VBW 1 MHz

STOP 10.00 GHz
SWP 188 msec

MKR 19.35 GHz

REF	28.0 dBm	ATTEN 40 dB + 20 dB	-21.50 dBm
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50

10 dB/

AK
SOS

OFFSET

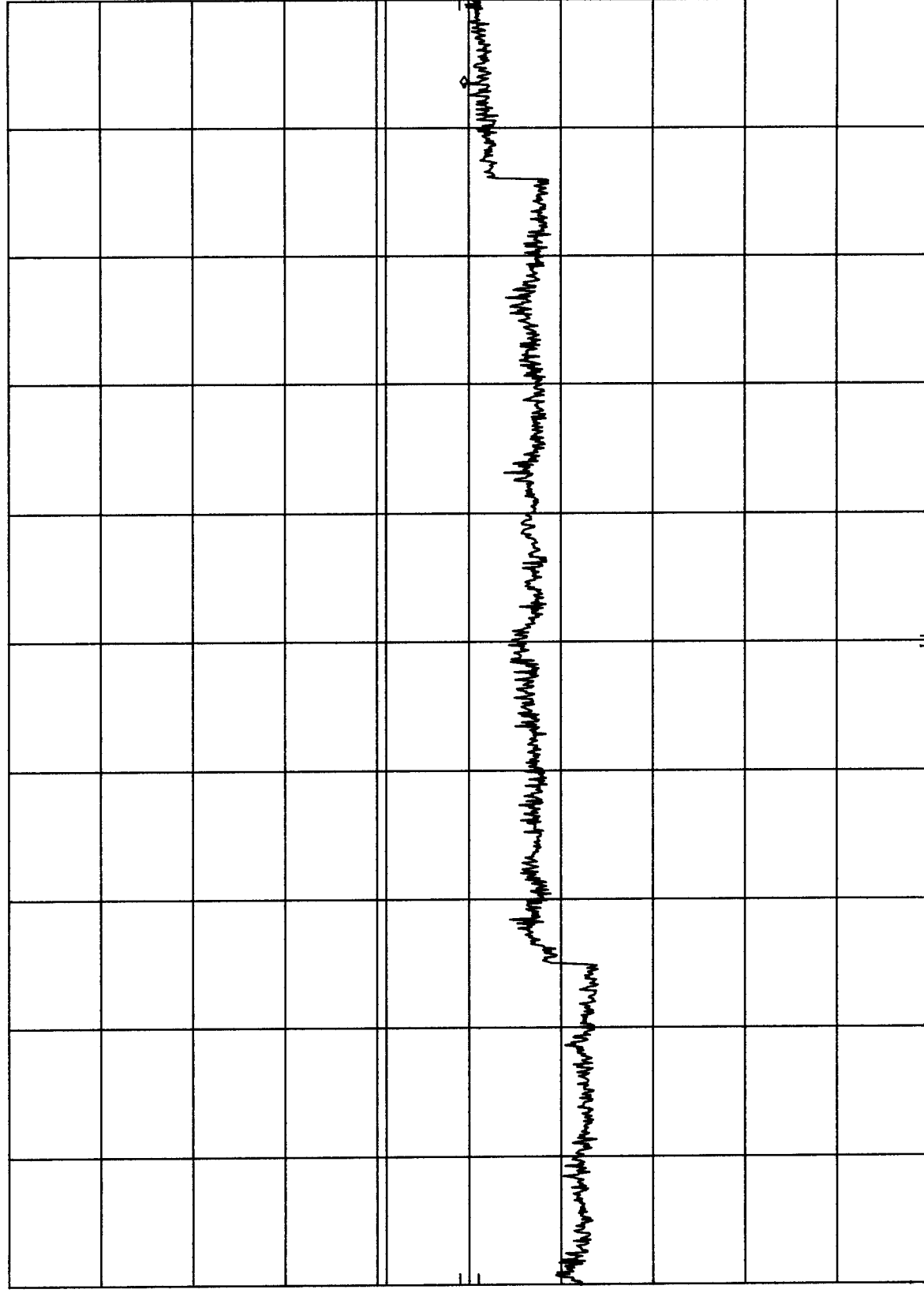
1. $\emptyset$

BP

70

13.0

प्र



START 10.0 GHZ

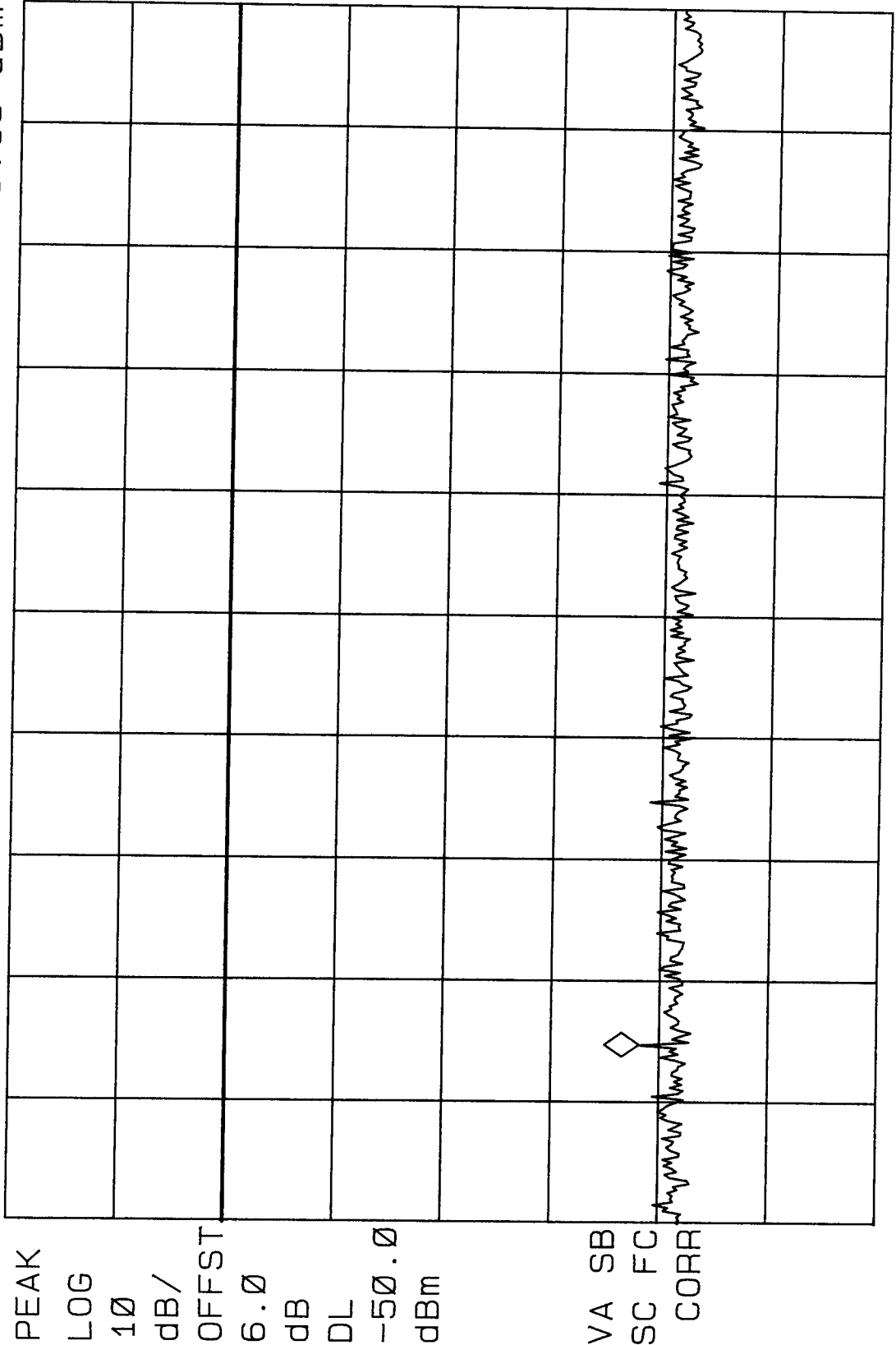
RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHZ

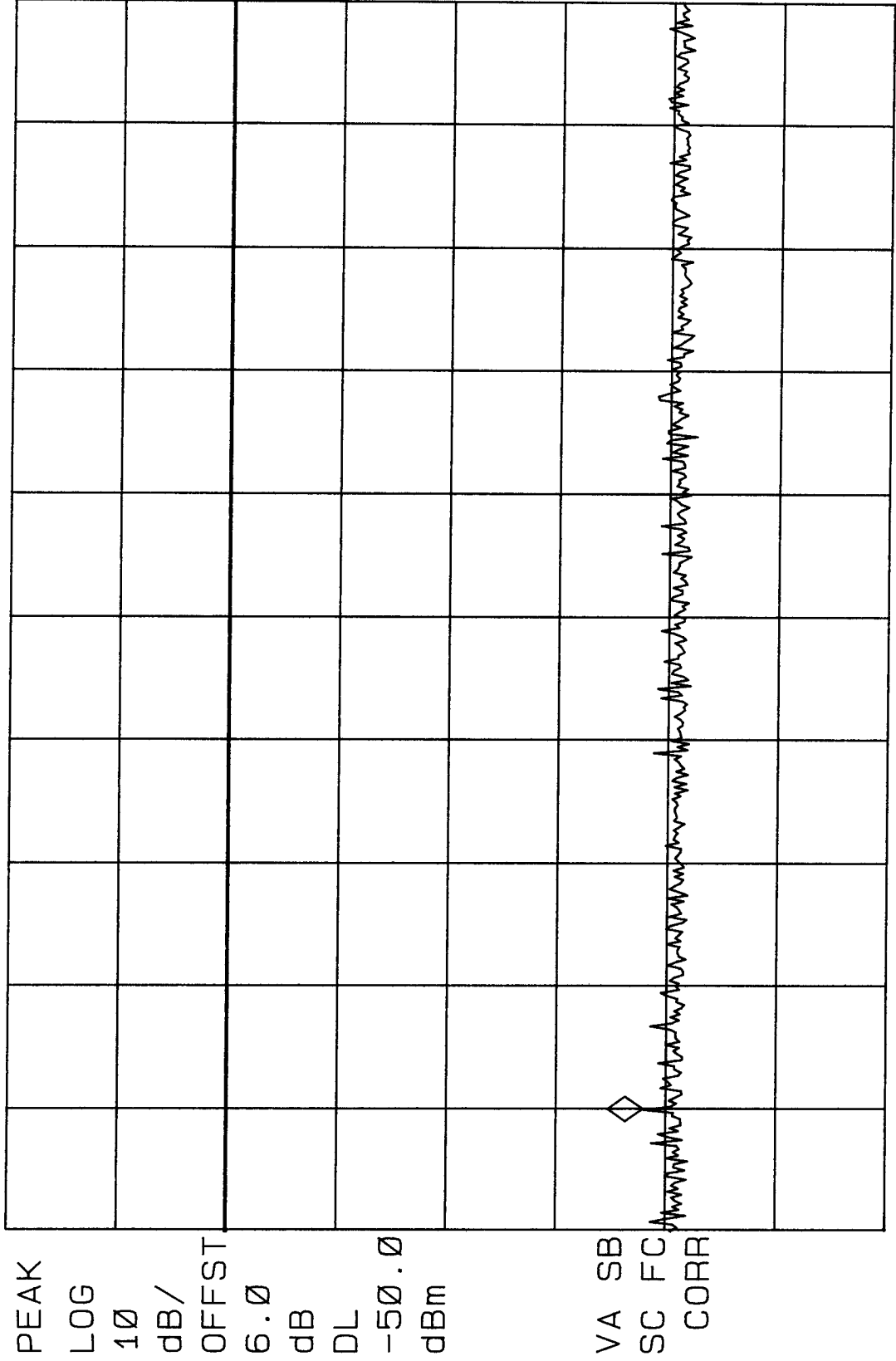
SWP 250 msec

FCC ID: A3LSCH-370 Tx.Spurs. Low Pwr MKR 872.69 MHz
REF -30.0 dBm ATTEN 10 dB PG 26.0 dB -88.13 dBm



START 869.00 MHz STOP 894.00 MHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20 msec

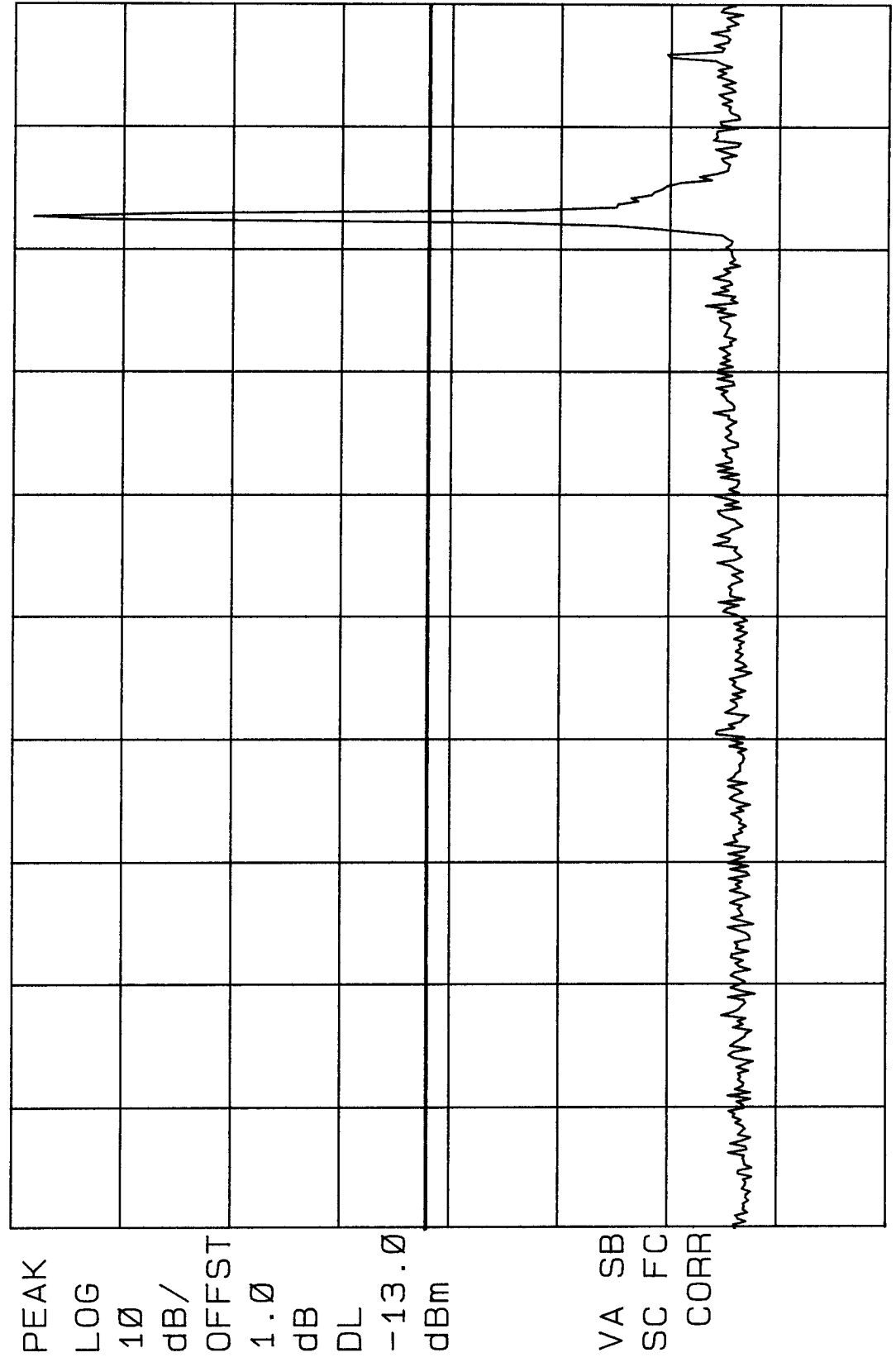
FCC ID: A3LSCH-370 Tx.Spurs. High Pwr MKR 871.50 MHz
REF -30.0 dBm ATTEN 10 dB PG 26.0 dB -87.91 dBm



START 869.00 MHz STOP 894.00 MHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20 msec

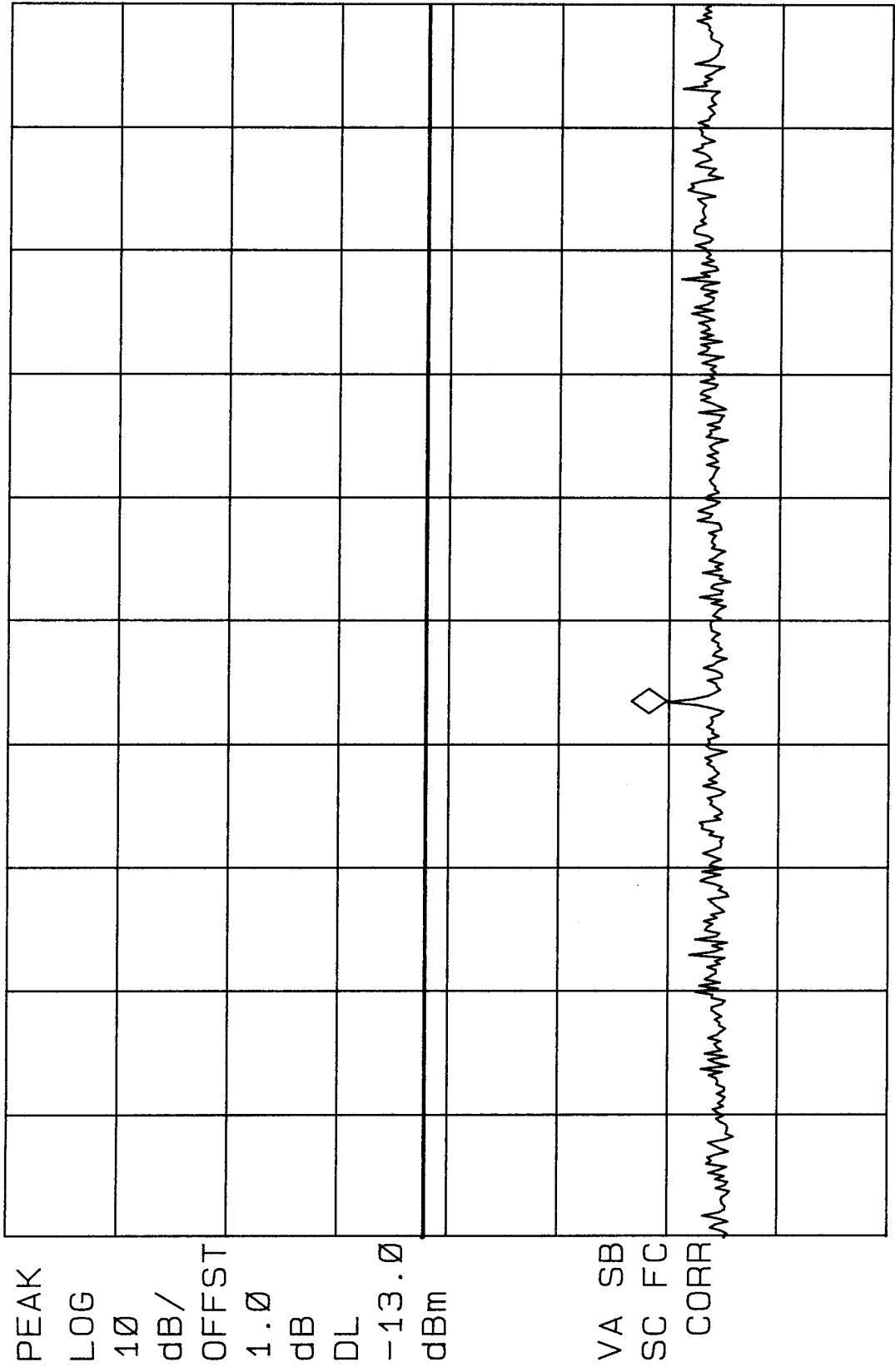
~~NO~~ FCC ID: A3LSCH-370 Ch.Low Cond.Spur.

REF 25.0 dBm ATTEN 40 dB



START 10.0 MHz STOP 1.0000 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20 msec

FCC ID: A3LSCH-370 Ch.Low Cond.Spur. MKR 1.653 GHz
REF 25.0 dBm ATTEN 40 dB -34.79 dBm



START 1.000 GHz STOP 2.500 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 30 msec

FCC ID-A3LSCH-370 Ch.Low Cond.Spur.
REF 25.0 dBm ATTN 40 dB + 20 dB

MKR 6.625 GHz
-29.30 dBm

hp

10 dB/

POS PK

OFFSET

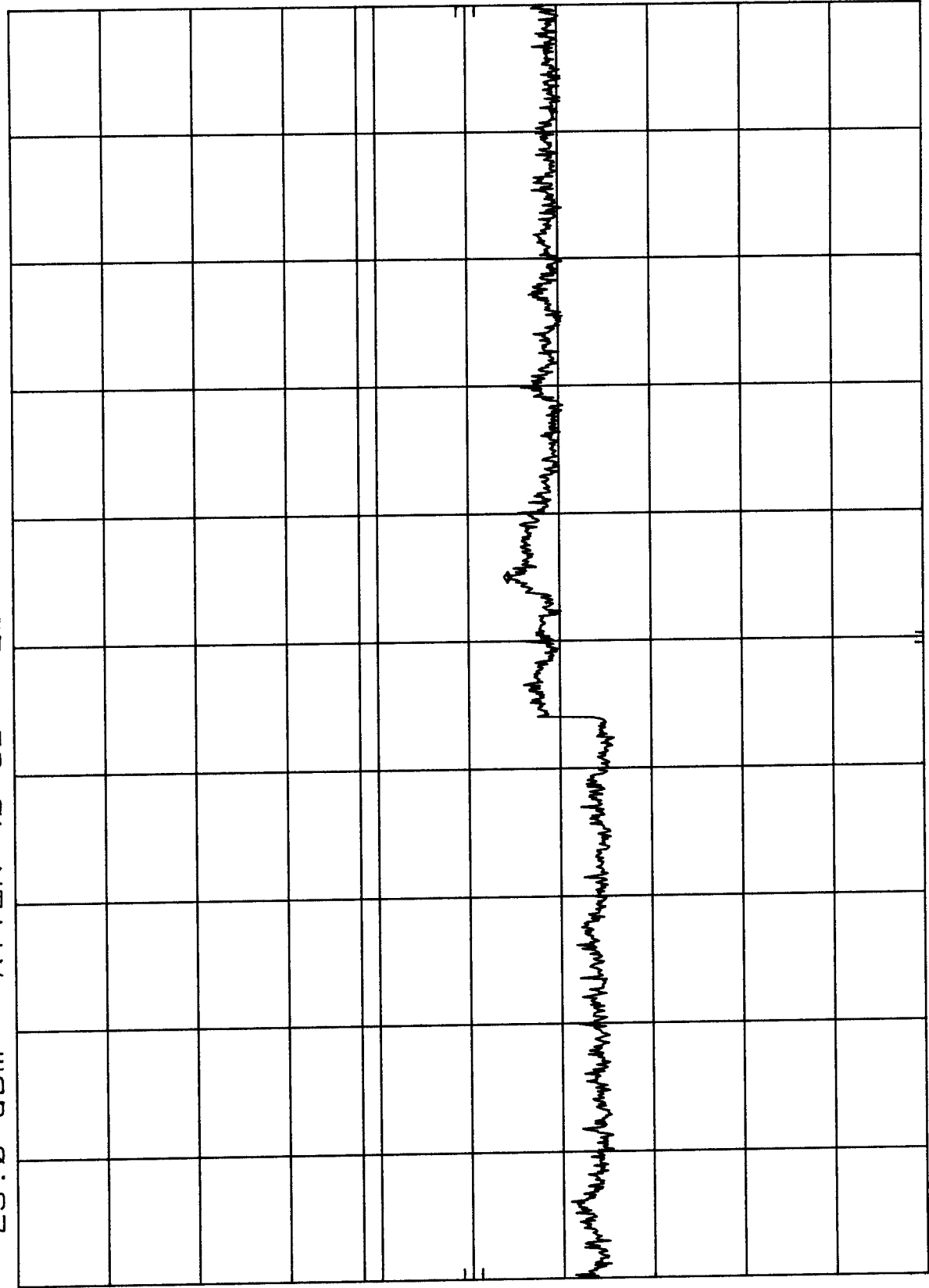
1.0

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-A3LSCH-370 Ch.Low Cond.Spur.
REF 25.0 dBm ATTEN 40 dB MKR 19.95 GHz
-21.30 dBm

hp

10 dB/

POS PK

OFFSET

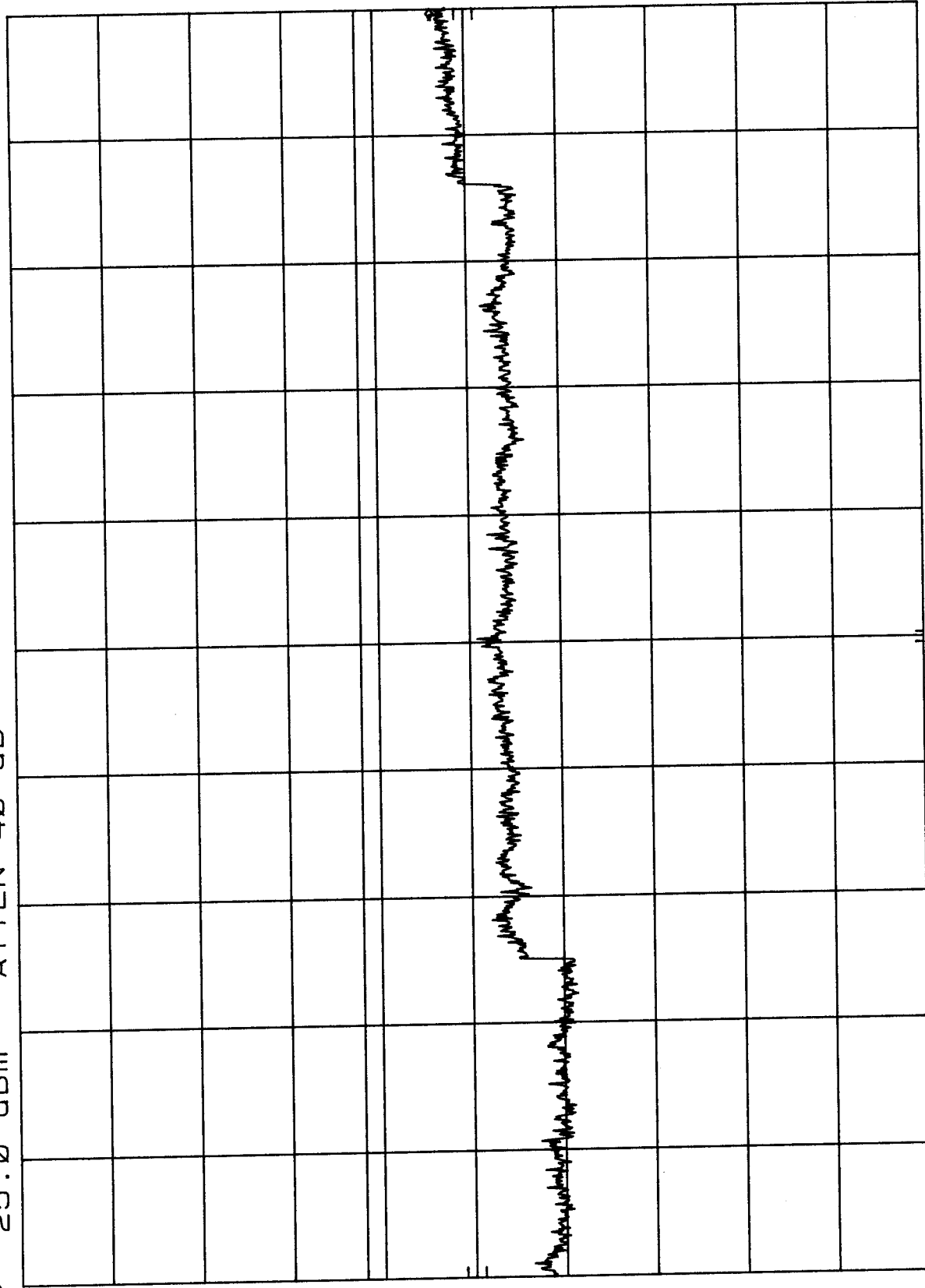
1.0

dB

DL

-13.0

dBm



START 10.0 GHz

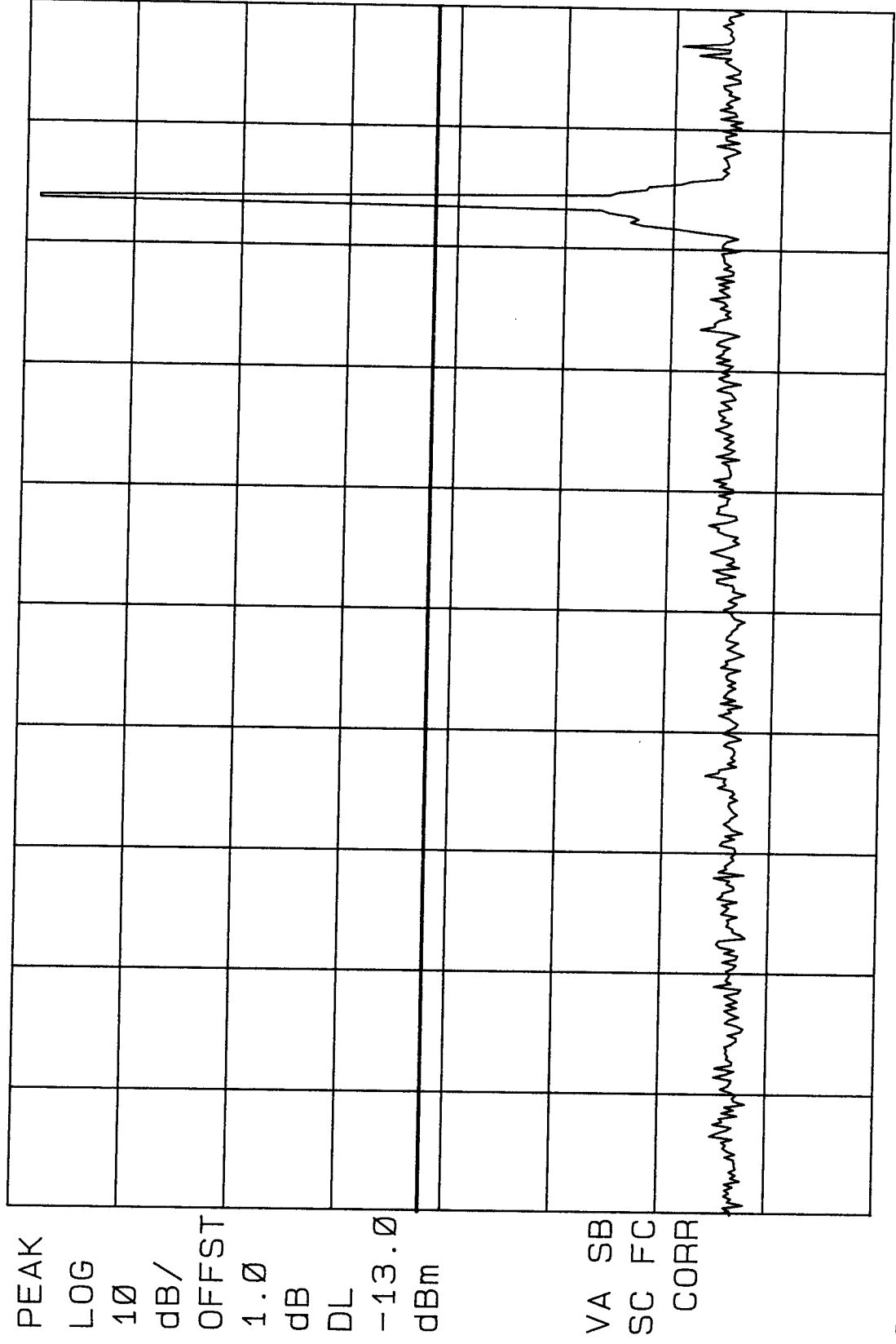
RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz

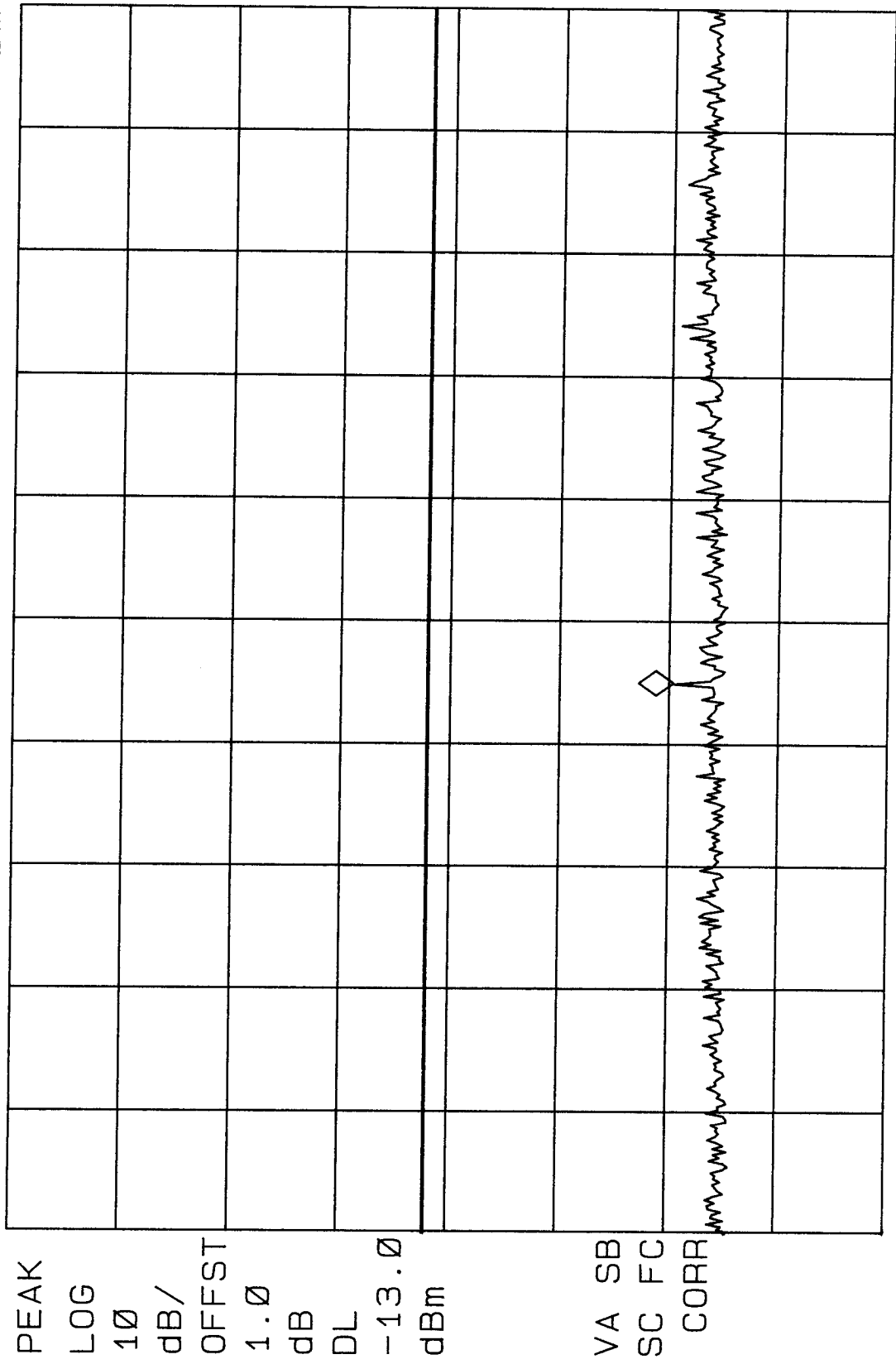
SWP 250 msec

~~NO~~ FCC ID: A3LSCH-370 Ch.Med Cond.Spur.
REF 25.0 dBm ATTN 40 dB



START 10.0 MHz STOP 1.0000 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20 msec

~~HP~~ FCC ID: A3LSCH-370 Ch. Med Cond. Spur. MKR 1.675 GHz
REF 25.0 dBm ATTEN 40 dB -35.41 dBm



START 1.000 GHz STOP 2.500 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 30 msec

FCC ID-A3LSCH-370 Ch.Med Cond.Spur. MKR 6.633 GHz
REF 25.0 dBm ATTN 40 dB -28.30 dBm

hp

10 dB/

POS PK

OFFSET

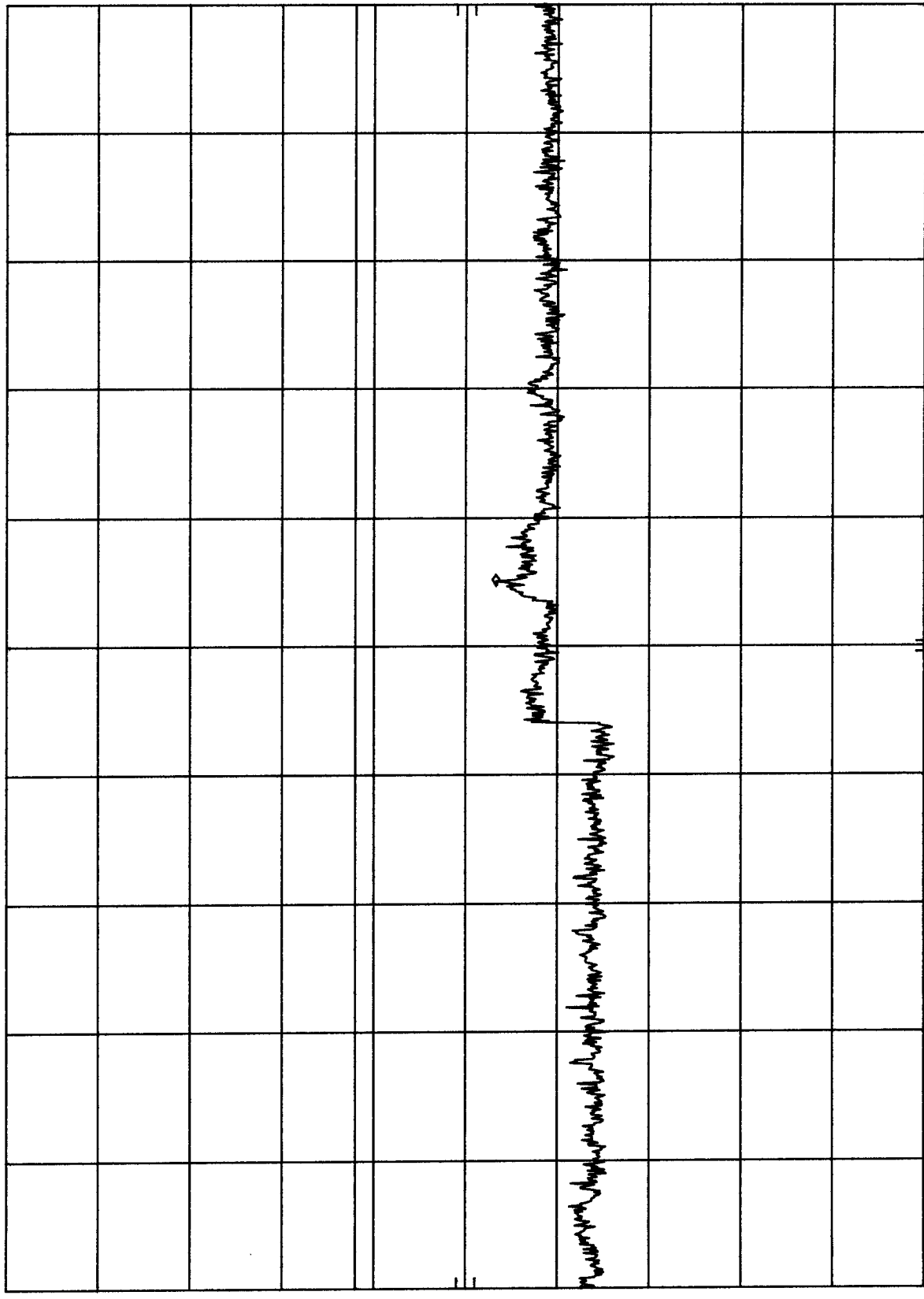
1.0

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-A3LSCH-370 Ch.Med Cond.Spur.
REF 25.0 dBm ATTN 40 dB MKR 19.88 GHz
-21.30 dBm

hp

10 dB/

POS PK

OFFSET

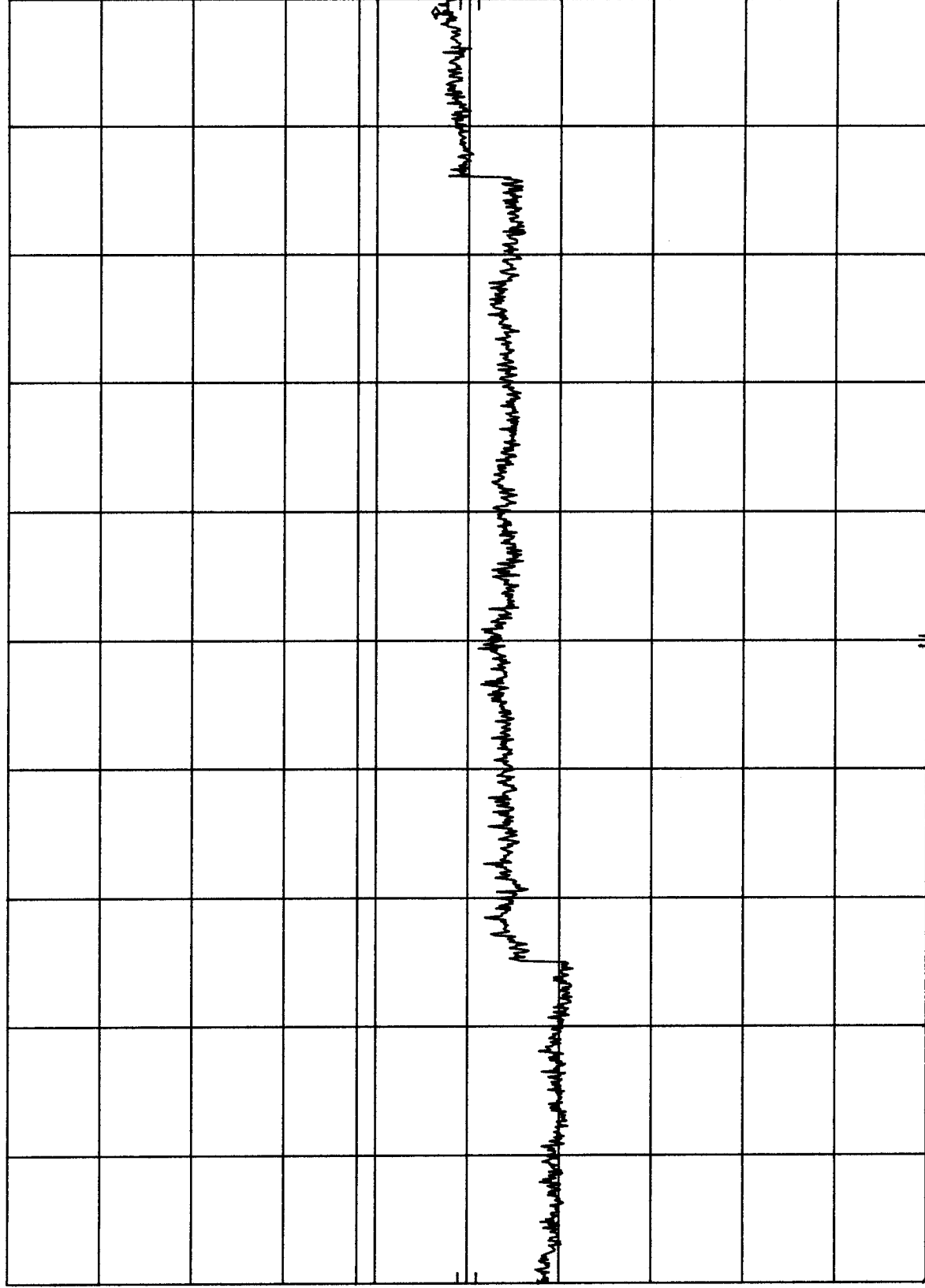
1.0

dB

DL

-13.0

dBm



START 10.0 GHz

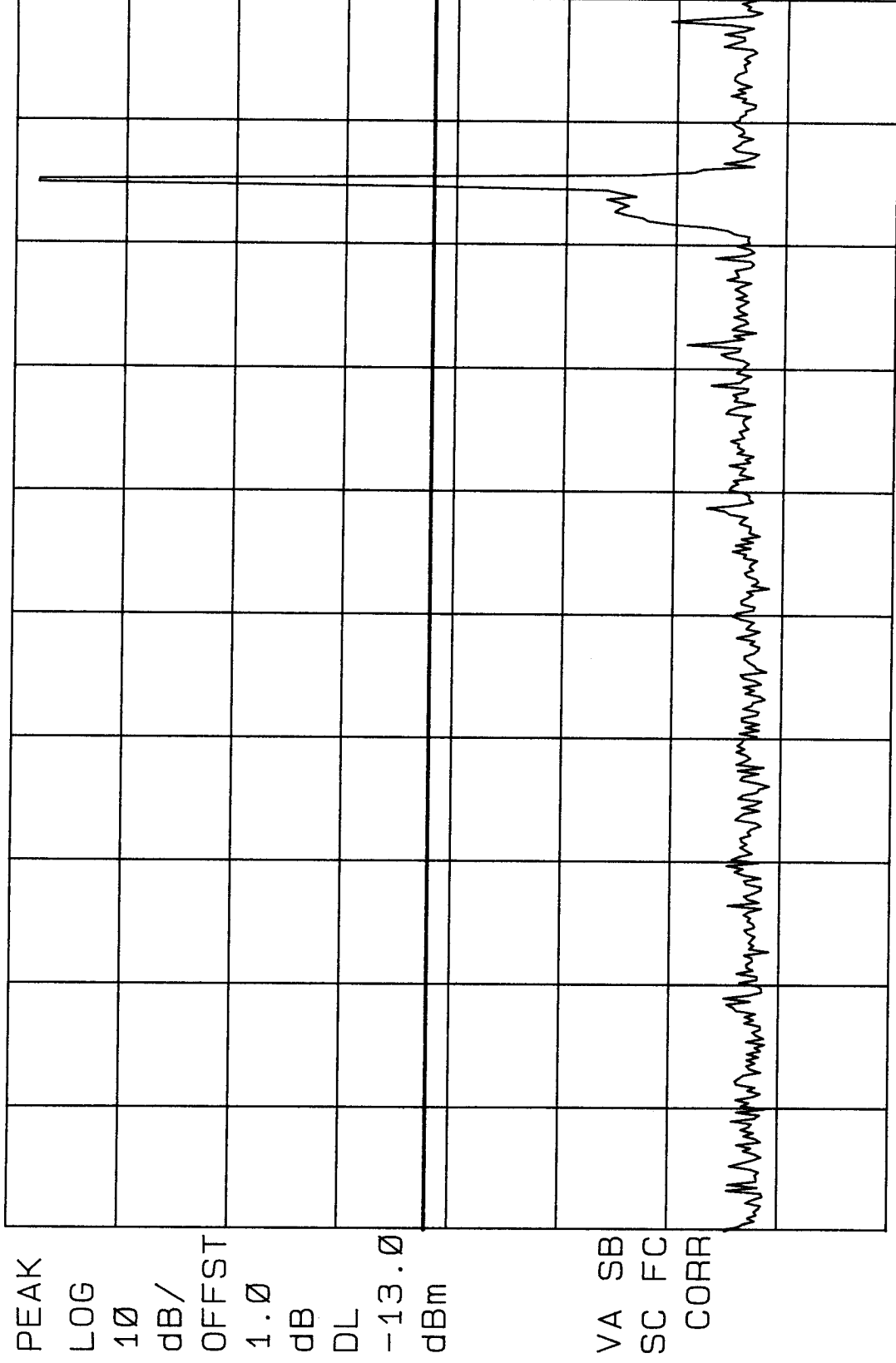
RES BW 1 MHz (i)

VBW 1 MHz

STOP 20.0 GHz

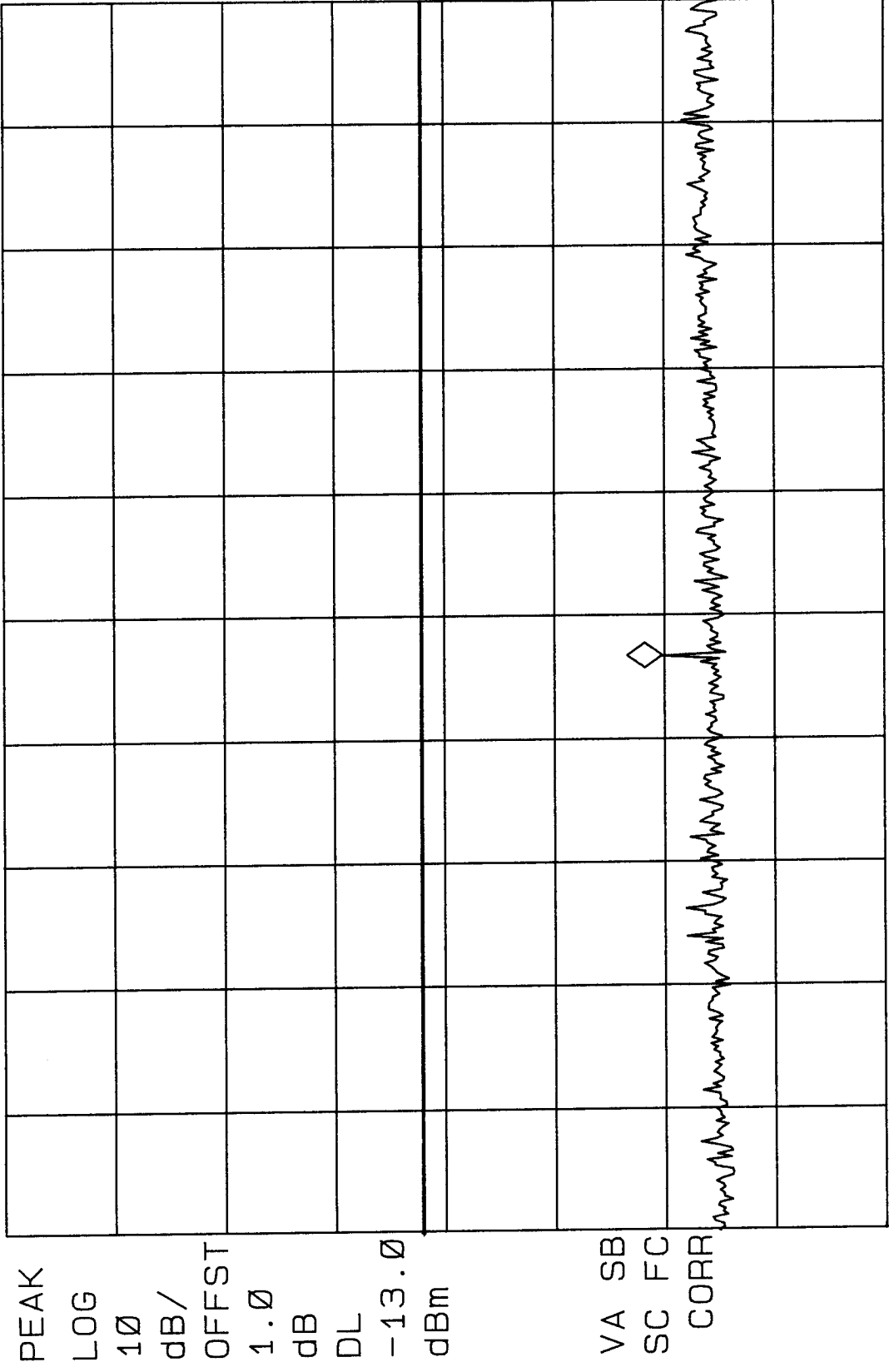
SWP 250 msec

~~h~~ FCC ID: A3LSCH-370 Ch.High Cond.Spur.
REF 25.0 dBm ATTEN 40 dB



START 10.0 MHz STOP 1.0000 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 20 msec

~~170~~ FCC ID: A3LSCH-370 Ch.High Cond.Spur. MKR 1.701 GHz
REF 25.0 dBm ATTEN 40 dB -34.78 dBm



START 1.000 GHz STOP 2.500 GHz
#RES BW 1.0 MHz #VBW 1 MHz SWP 30 msec

FCC ID-A3LSCH-370 Ch.High Cond.Spur.
MKR 6.610 GHz
REF 25.0 dBm ATTEN 40 dB -29.90 dBm

hp

10 dB/

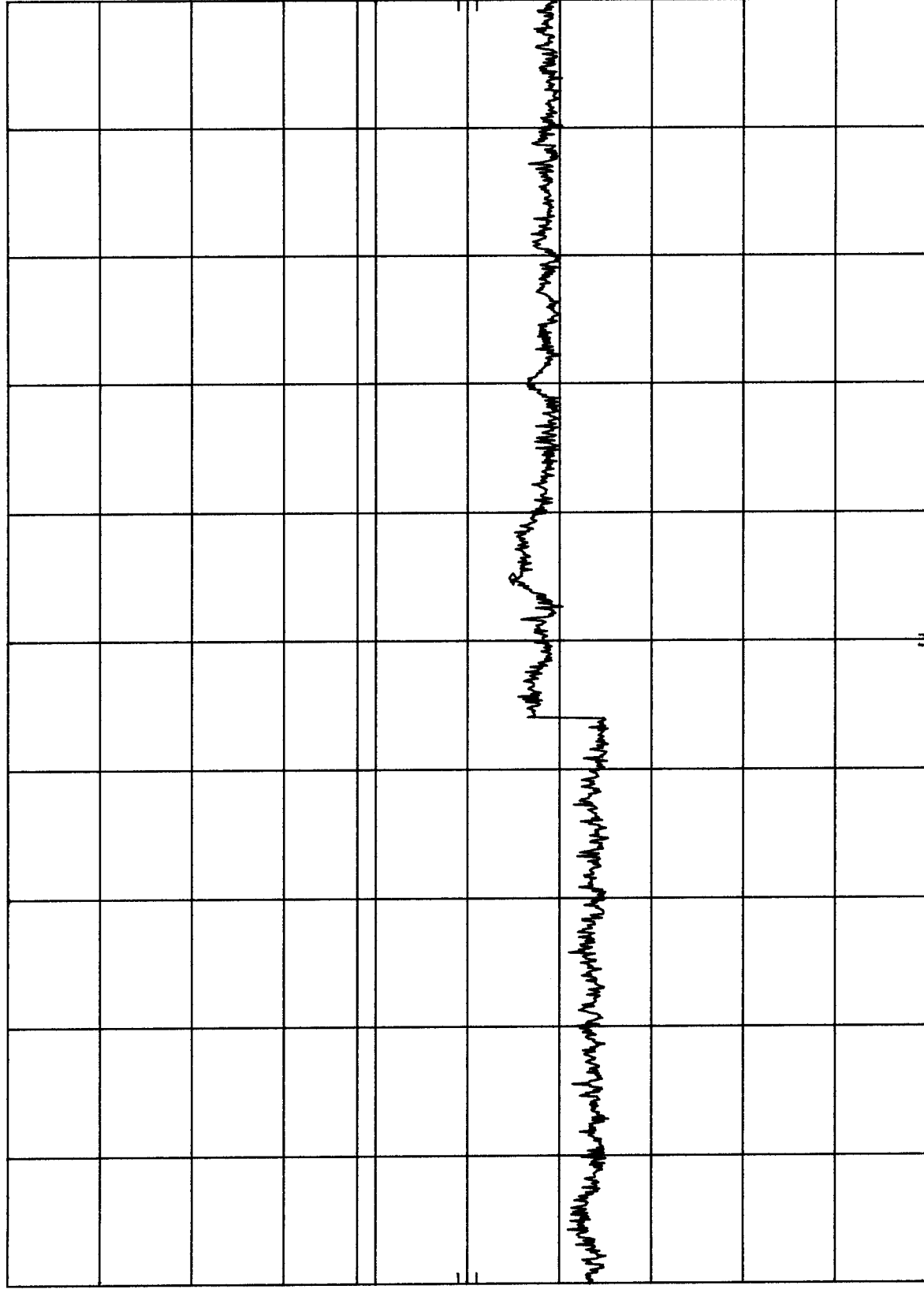
POS PK

OFFSET

1.0
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-A3LSCH-370 Ch.High Cond.Spur.
h_p REF 25.0 dBm ATTN 40 dB MKR 19.79 GHz
-21.30 dBm

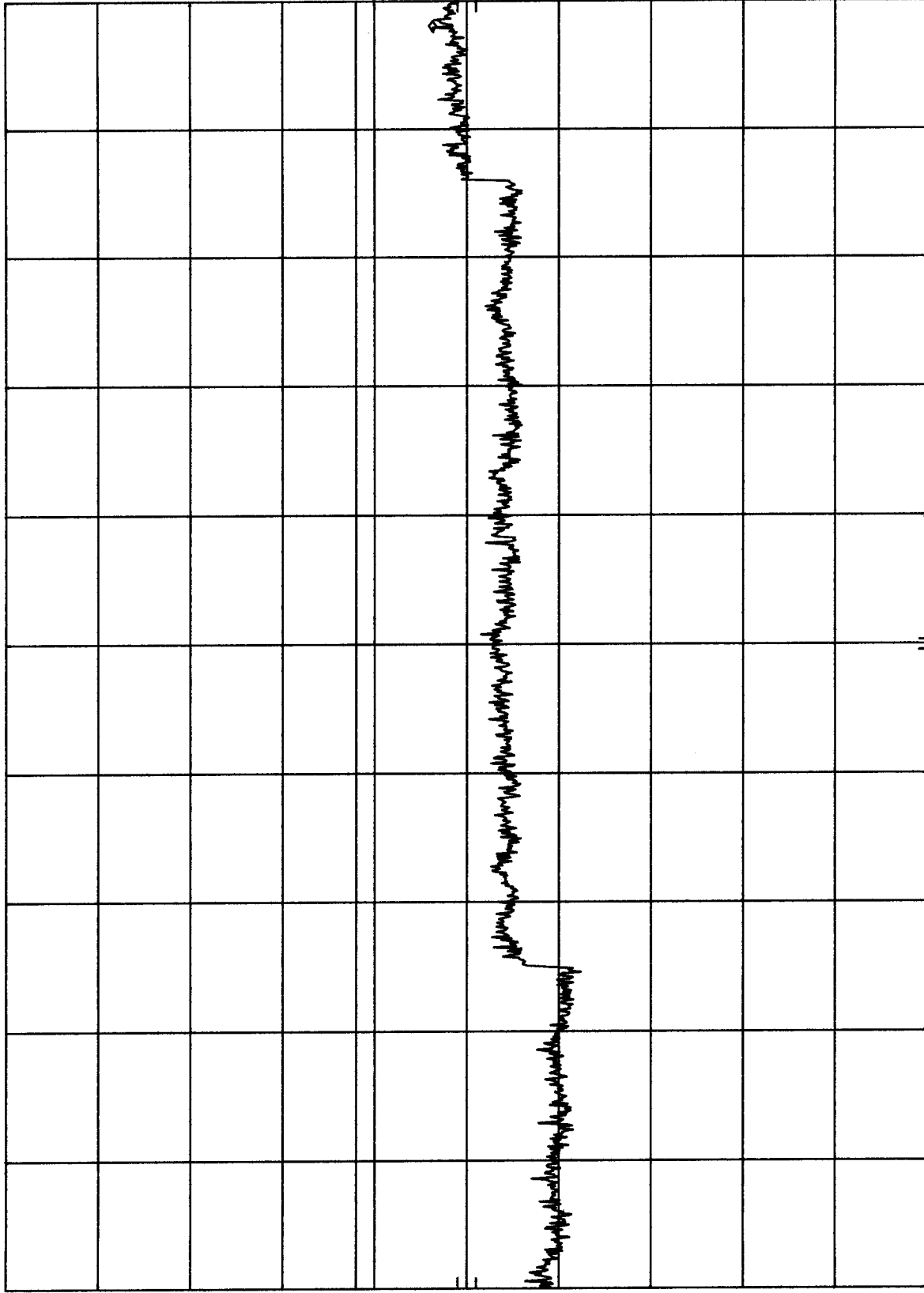
10 dB/

POS PK

OFFSET

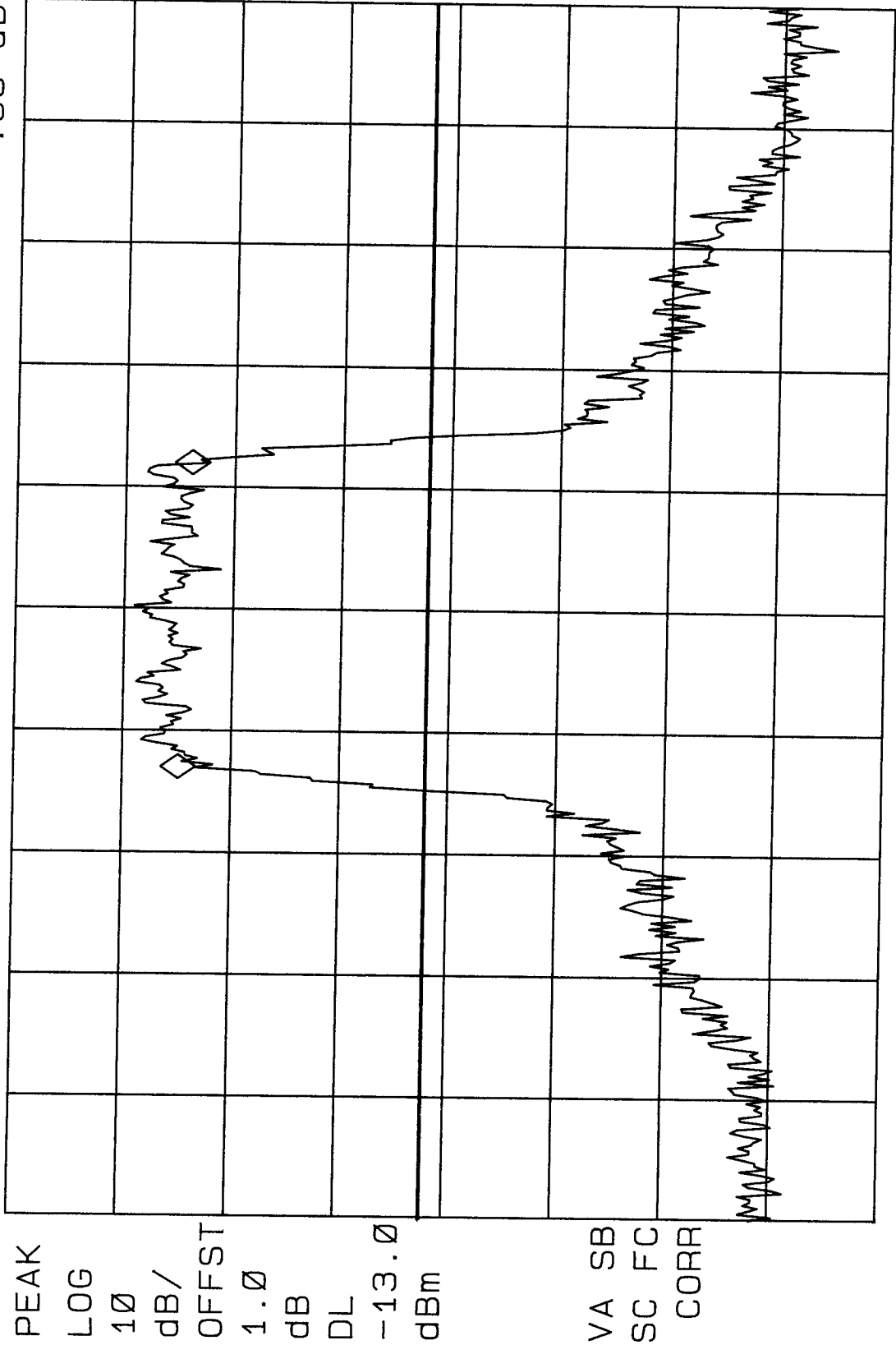
1.0
dB

DL
-13.0
dBm



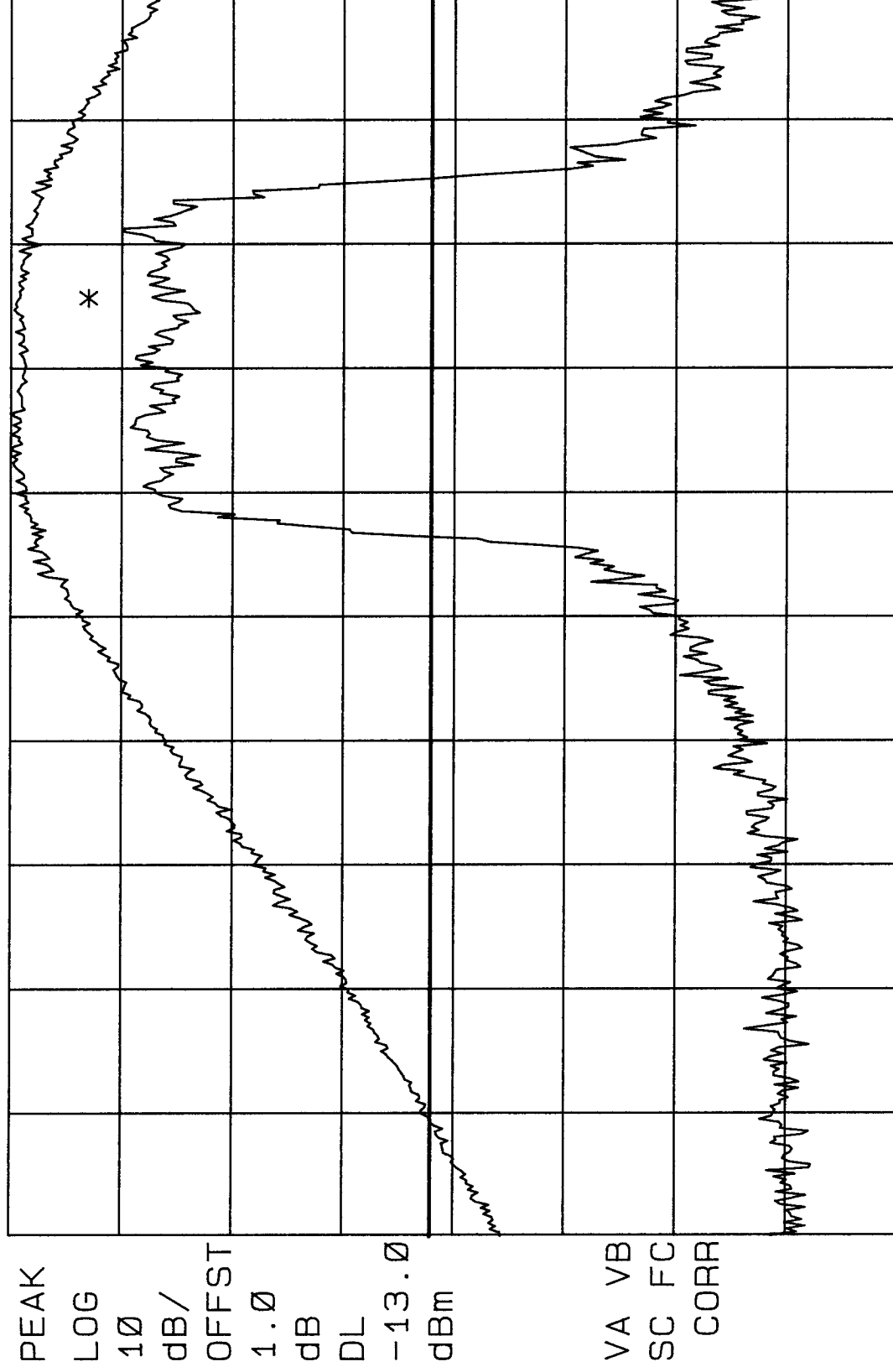
START 10.0 GHz RES BW 1 MHz (i) VBW 1 MHz STOP 20.0 GHz SWP 250 msec

FCC ID: A3LSCH-370 99% Pwr BW MKR Δ 1.250 MHz
REF 25.0 dBm ATTN 40 dB - .93 dB



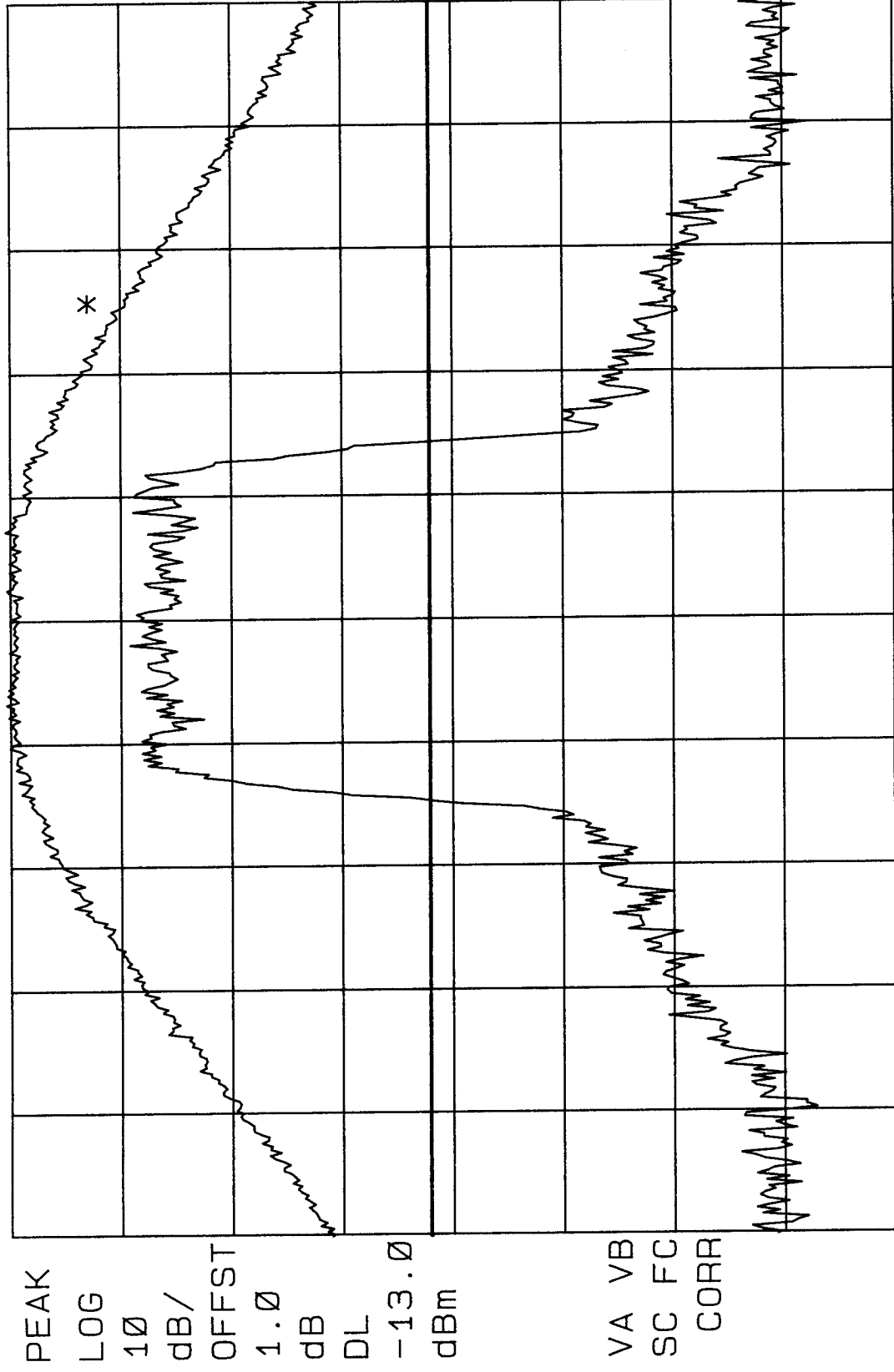
CENTER 848.970 MHz SPAN 5.000 MHz
#RES BW 30 KHZ #VBW 30 KHZ SWP 20 msec

~~h~~ FCC ID: A3LSCH-370 Ch.Low
REF 25.0 dBm ATTN 40 dB



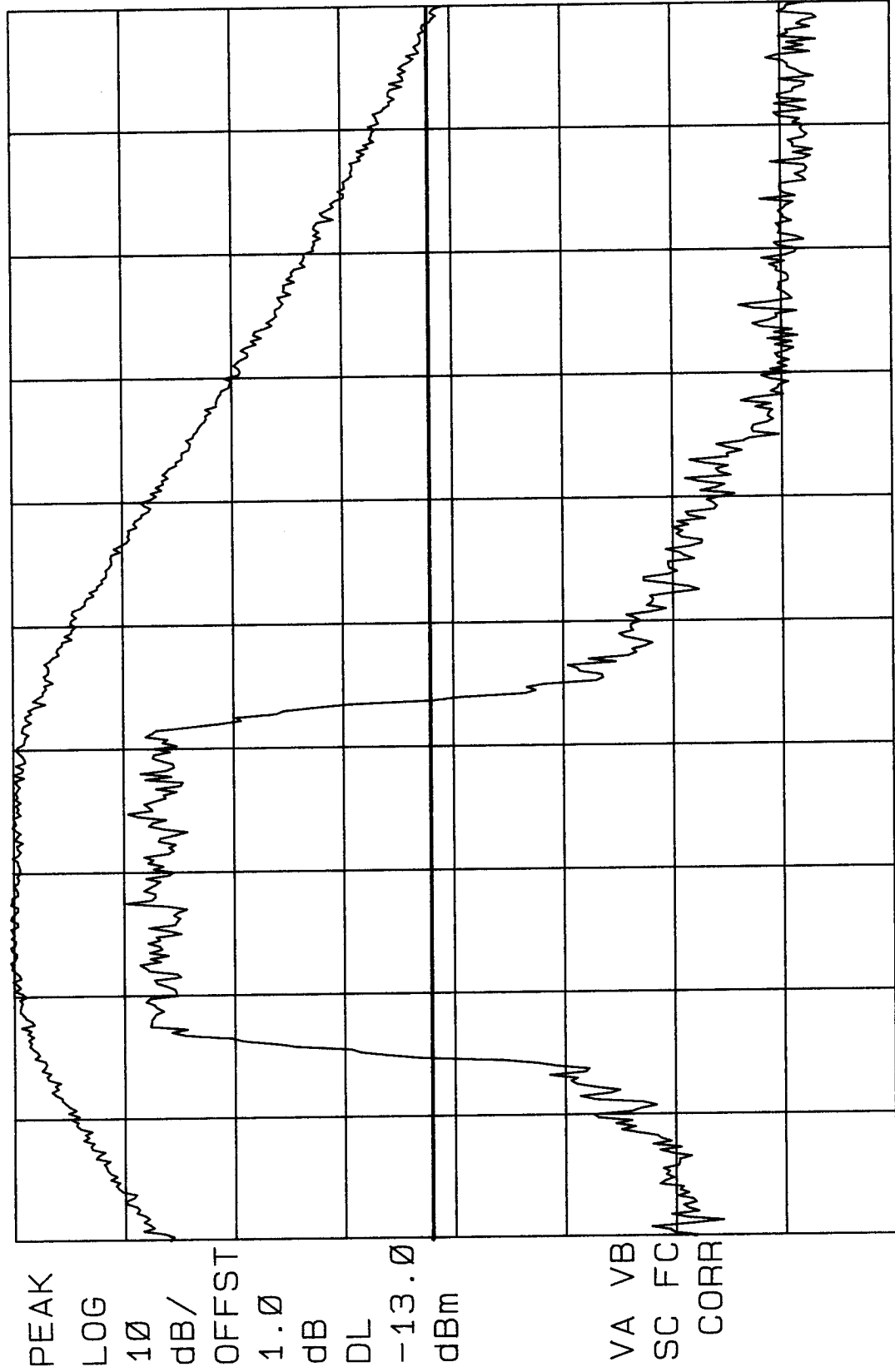
CENTER 824.040 MHz SPAN 5.000 MHz
RES BW 30 kHz #VBW 30 kHz SWP 20 msec

FCC ID: A3LSCH-370 Ch.Med
REF 25.0 dBm ATTN 40 dB



CENTER 836.490 MHz SPAN 5.000 MHz
#RES BW 30 kHz #VBW 30 kHz SWP 20 msec

FCC ID: A3LSCH-370 Ch.High
REF 25.0 dBm ATTN 40 dB



CENTER 848.970 MHz
#RES BW 30 KHZ

SPAN 5.000 MHz
SWP 20 msec

#VBW 30 KHZ