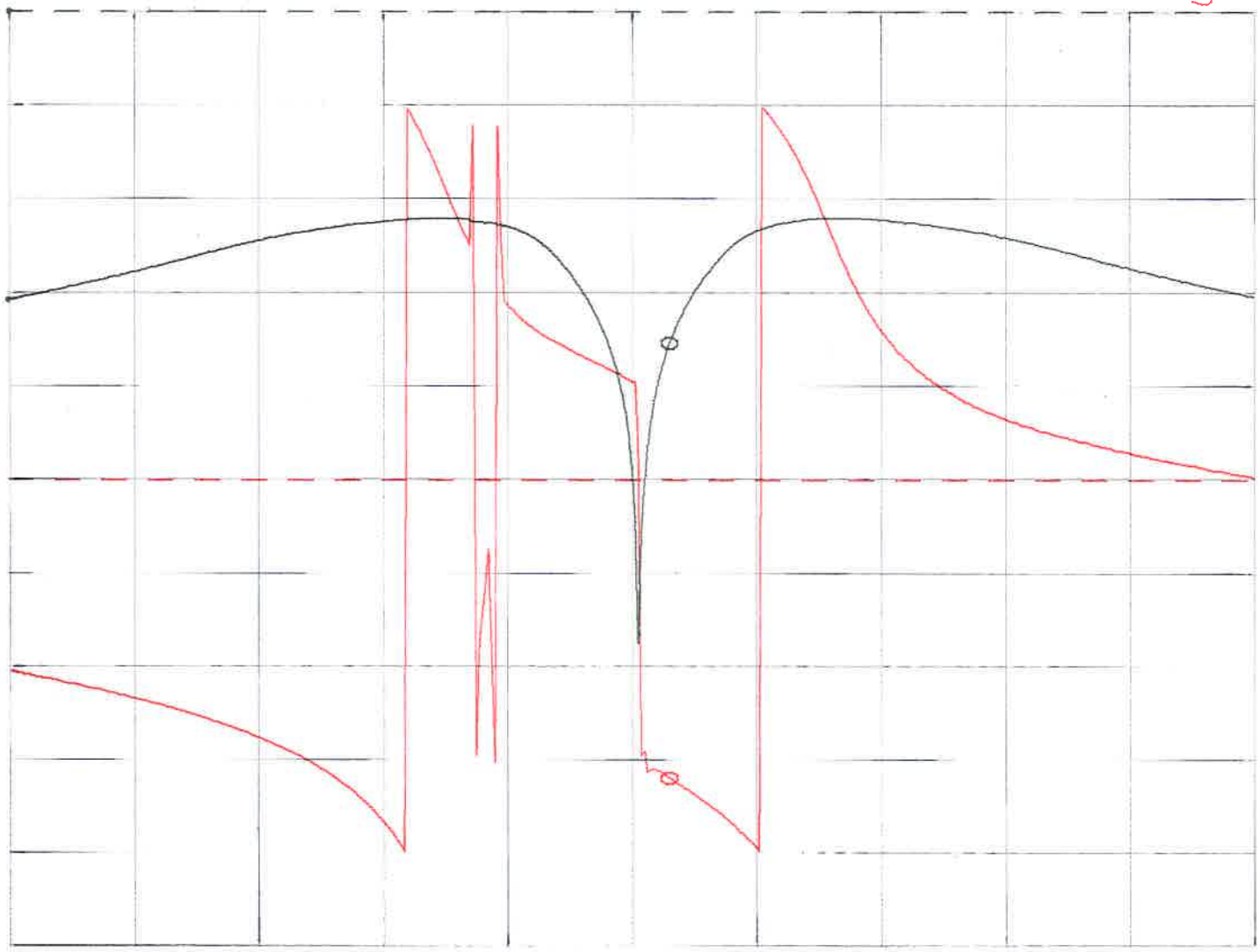
MODE 50

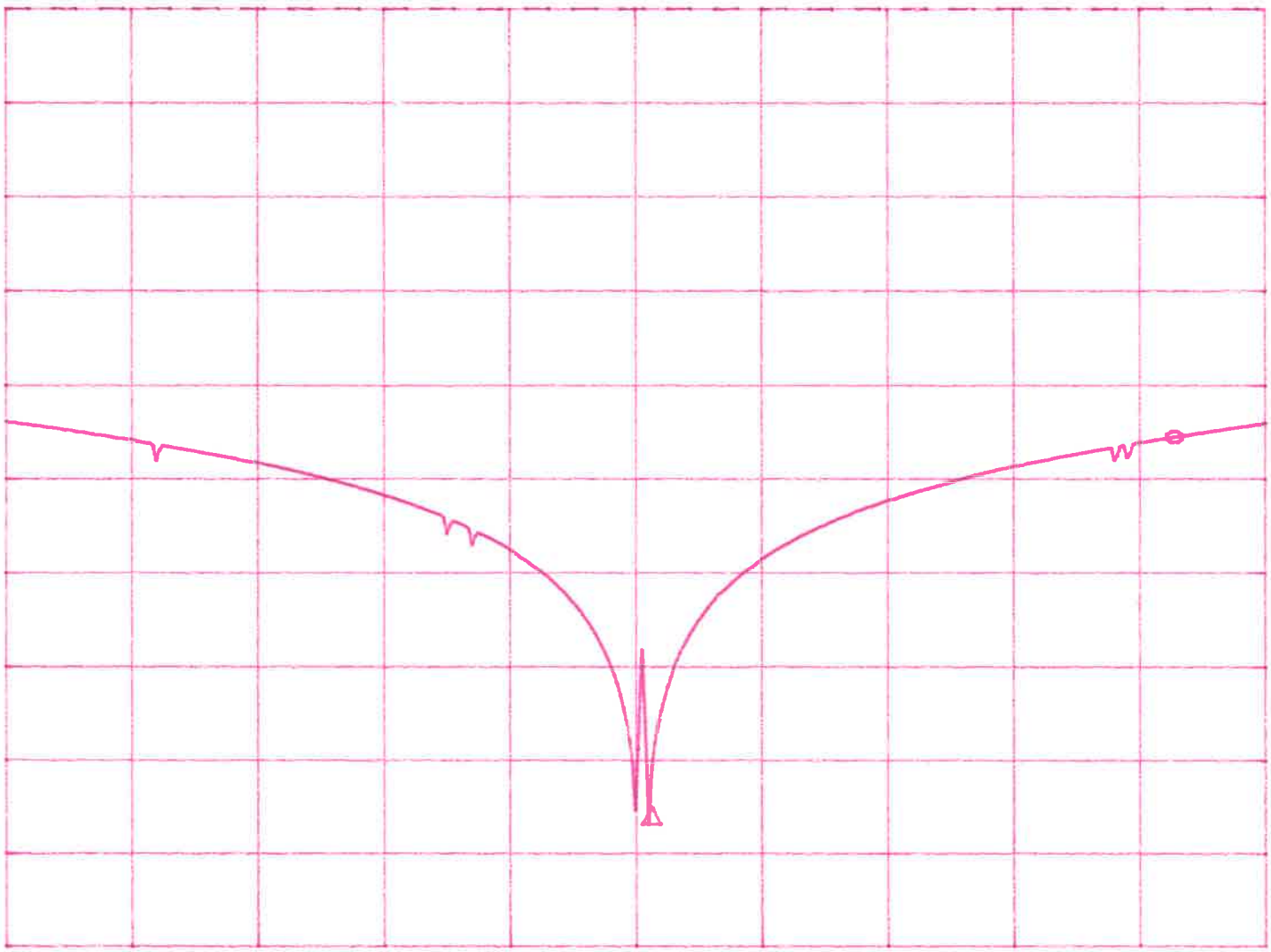
REF LEVEL /DIV MARKER 84 151 000.000Hz
60.000dB 10.000dB MAG(A/R) 24.632dB
0.0deg 45.000deg MARKER 84 151 000.000Hz
PHASE(A/R) -143.379deg



CENTER 84 148 000.000Hz SPAN 100 000.000Hz
AMPTD -35.0dBm

mode 50

REF LEVEL /DIV OFFSET 2 495.000Hz
50.000dB 10.000dB MAG(A/R) 40.909dB



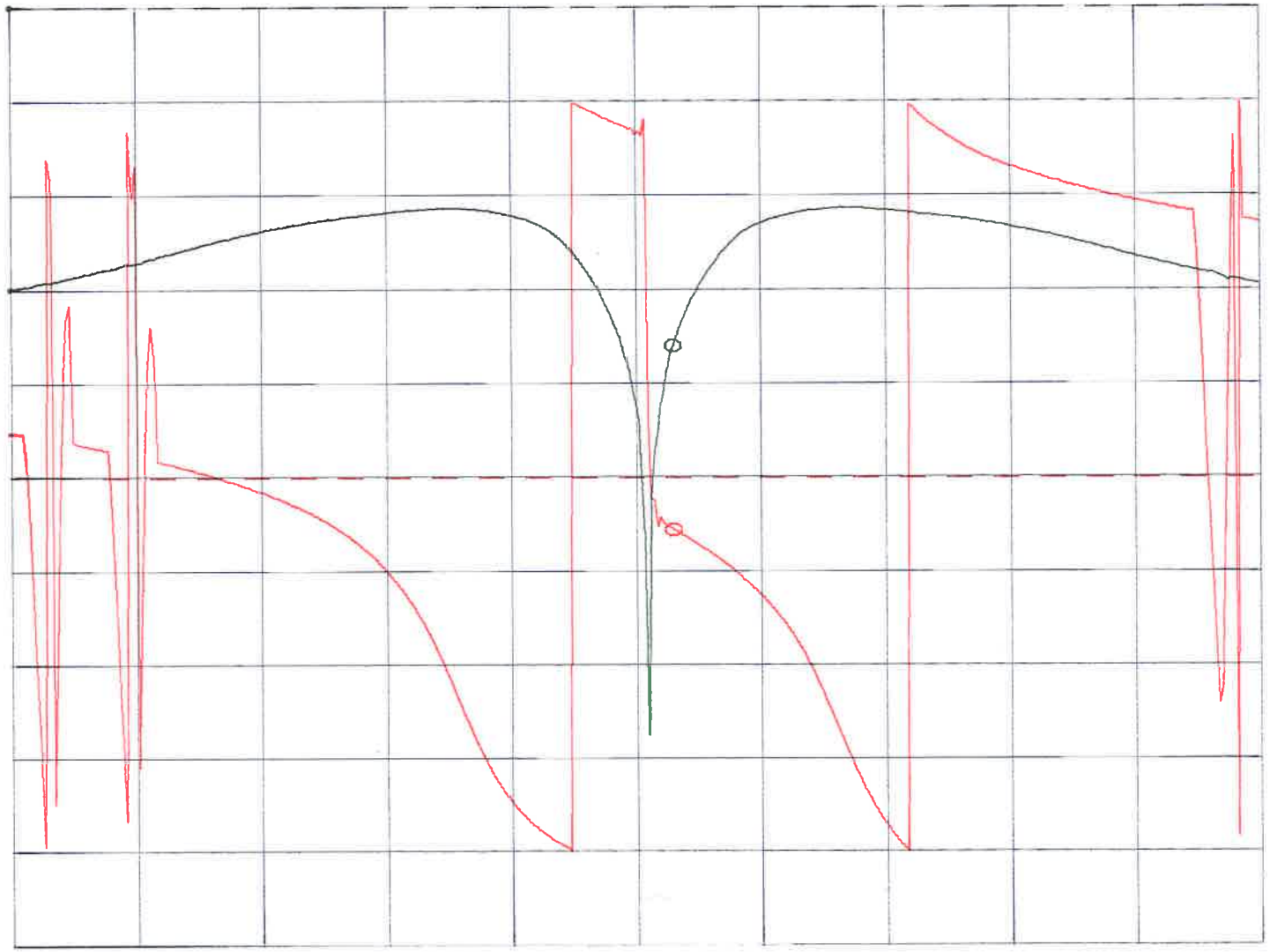
CENTER 84 229 000.000Hz SPAN 6 000.000Hz
AMPTD -30.0dBm

clock @ 52.8

S.A. 84.229

upper S.B. is only +20dB than center freq. when Δfreq is 2.5Khz
Lower S.B. is down another -8dB.

REF LEVEL /DIV MARKER 83 523 000.000Hz
60.000dB 10.000dB MAG(A/R) 24.126dB
0.0deg 45.000deg MARKER 83 523 000.000Hz
PHASE(A/R) -24.606deg



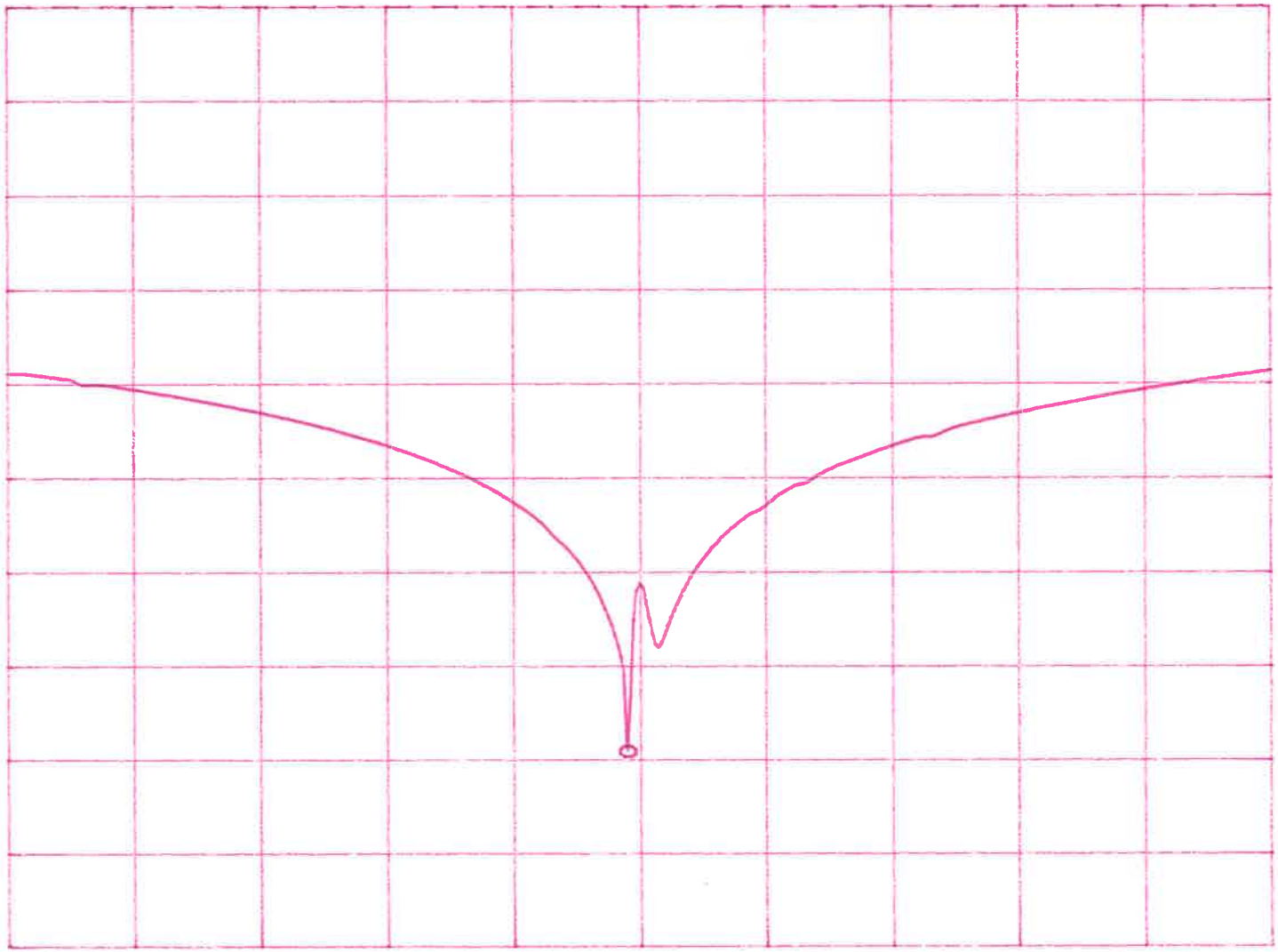
MODE 49

MODE 45 ?
49 ?

CENTER 83 520 000.000Hz SPAN 100 000.000Hz
AMPTD -35.0dBm

Node 49

REF LEVEL /DIV MARKER 83 600 027.000Hz
50.000dB 10.000dB MAG (A/R) -29.089dB



CLOCK IN 52.8 MHz
Smaller span allows a view of double null.

MEASURED on S.A.
83.599905 ± 50 Hz

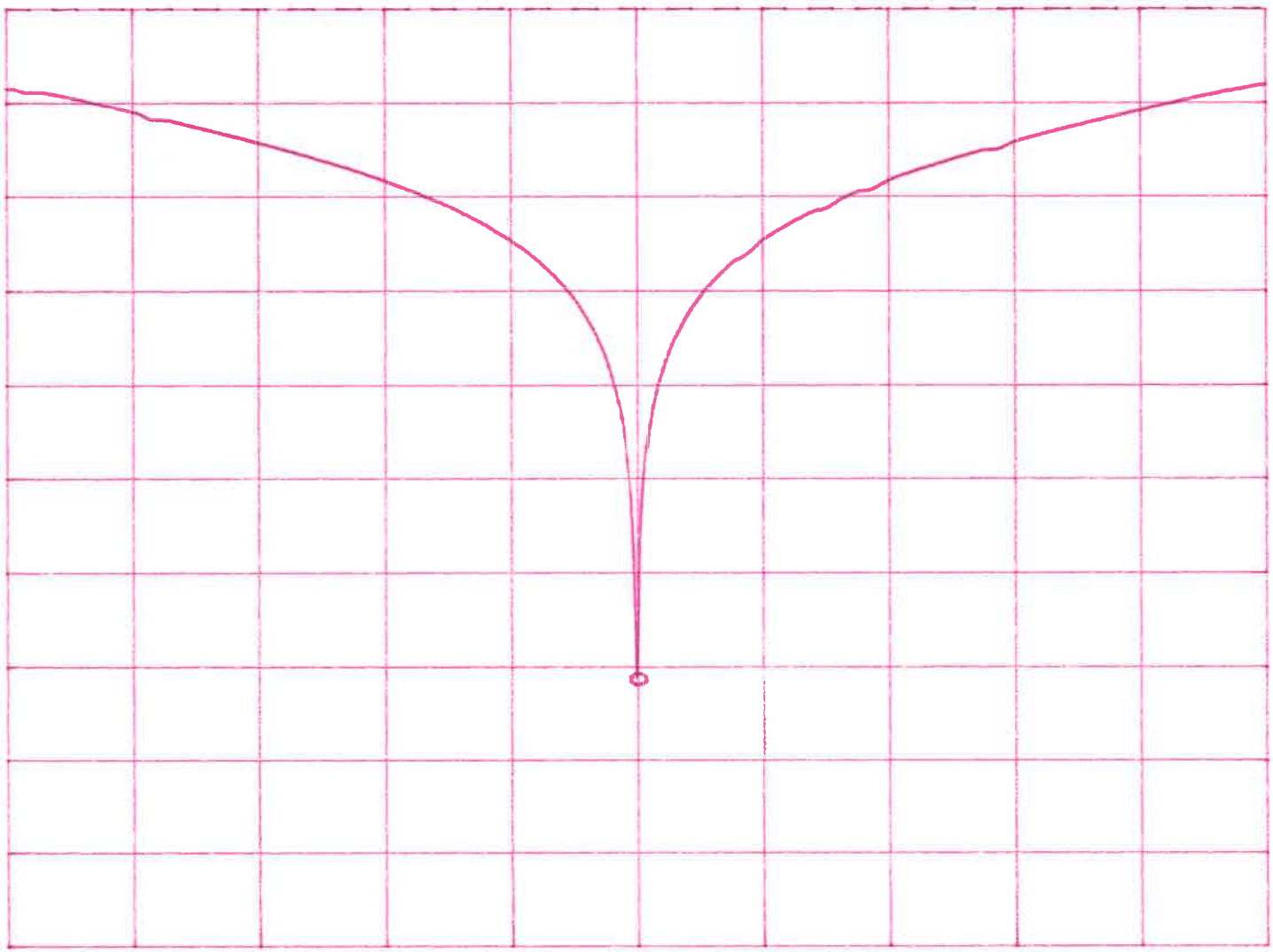
CENTER 83 600 035.000Hz SPAN 800.000Hz
AMPTD -40.0dBm

Mode 49

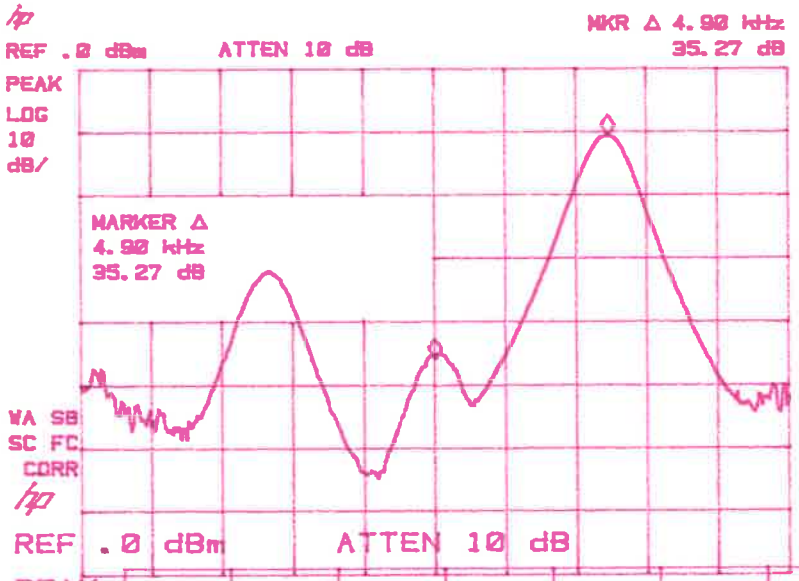
REF LEVEL /DIV MARKER 83 600 300.000Hz
50.000dB 10.000dB MAG(A/R) -21.309dB

CLOCK IN 52.8MHz

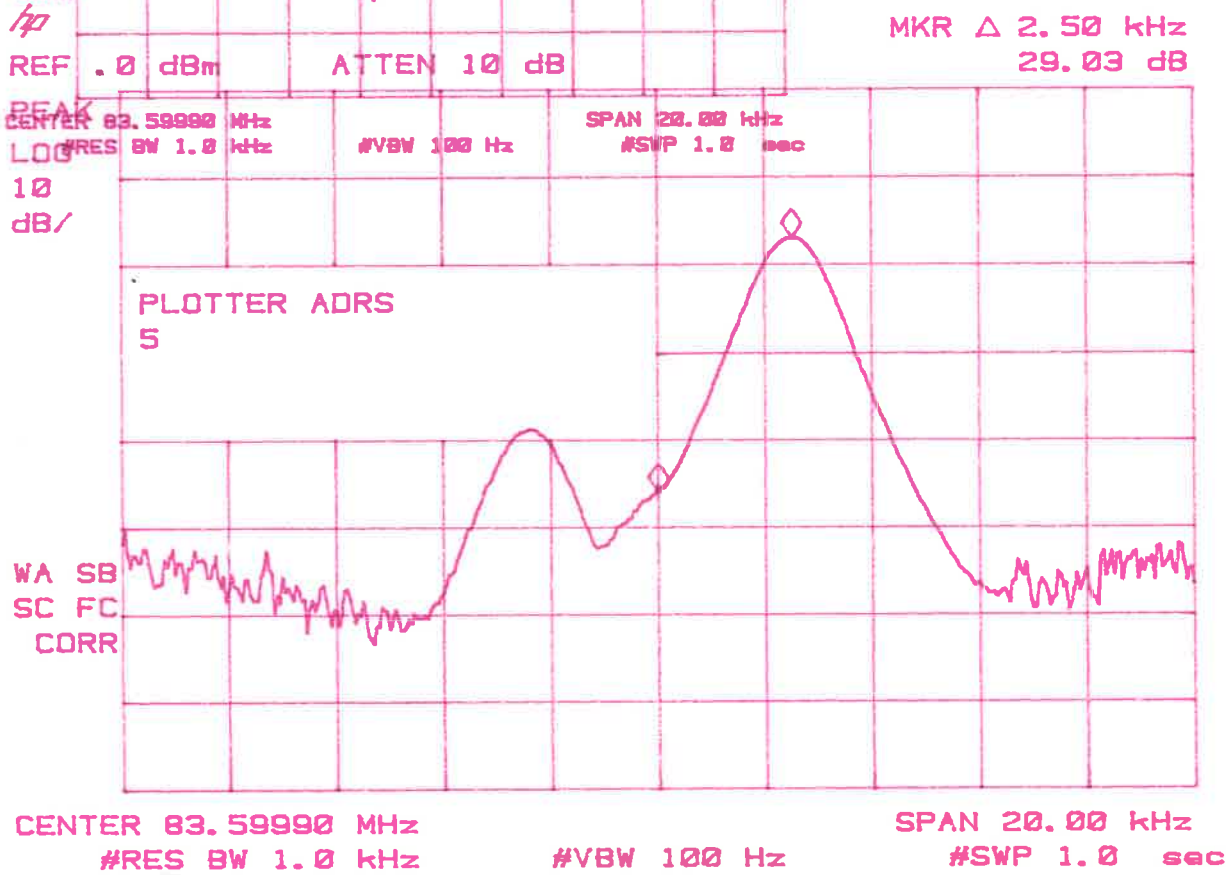
Measured on sp.
83.599.910±40 Hz



CENTER 83 600 300.000Hz SPAN 20 000.000Hz
AMPTD -40.0dBm


REF .0 dBm
ATTEN 10 dB
MKR Δ 4.90 kHz
35.27 dB
PEAK
LOG
10
dB/
MARKER Δ
4.90 kHz
35.27 dB
WA SB
SC FC
CORR

mode 49


REF .0 dBm
ATTEN 10 dB
MKR Δ 2.50 kHz
29.03 dB
CENTER 83.59990 MHz
#RES BW 1.0 kHz
#VBW 100 Hz
SPAN 20.00 kHz
#SWP 1.0 sec
PEAK
LOG
10
dB/
PLOTTER ADRS
5
WA SB
SC FC
CORR
CENTER 83.59990 MHz
#RES BW 1.0 kHz
#VBW 100 Hz
SPAN 20.00 kHz
#SWP 1.0 sec

REF LEVEL 35.000dB 0.0deg

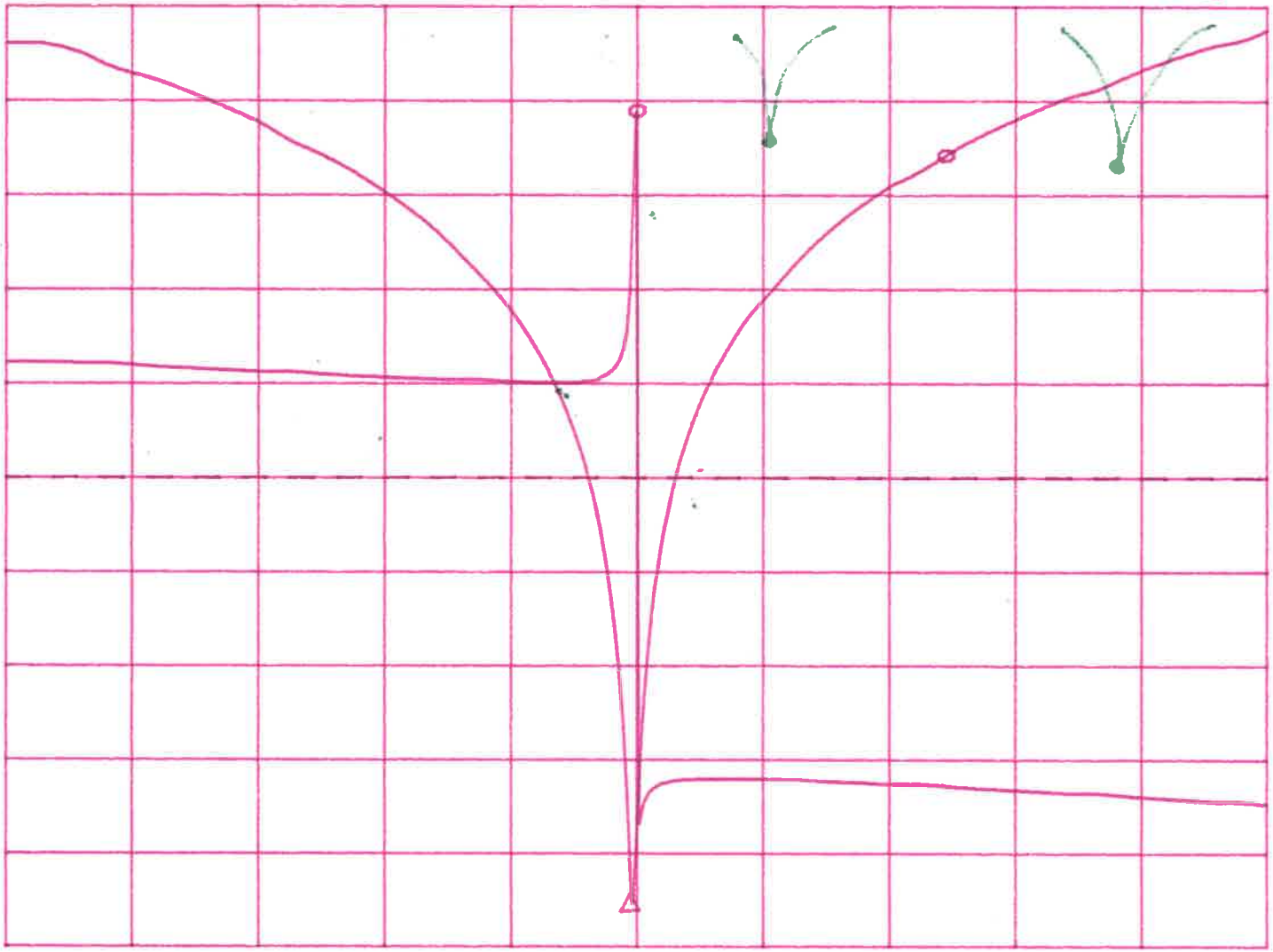
/DIV 5.000dB 45.000deg

OFFSET 2 500.000Hz

MAG(LOG) 39.889dBm

MARKER 84 229 250.000Hz

PHASE (A/R) 175.473deg



CENTER 84 229 250.000Hz SPAN 10 000.000Hz

AMPTD -45.0dBm

Beam Source N.A.

-45dBm - 10dB pad

(-55 dBm total)

Clock source @ 52.8

on S.A.

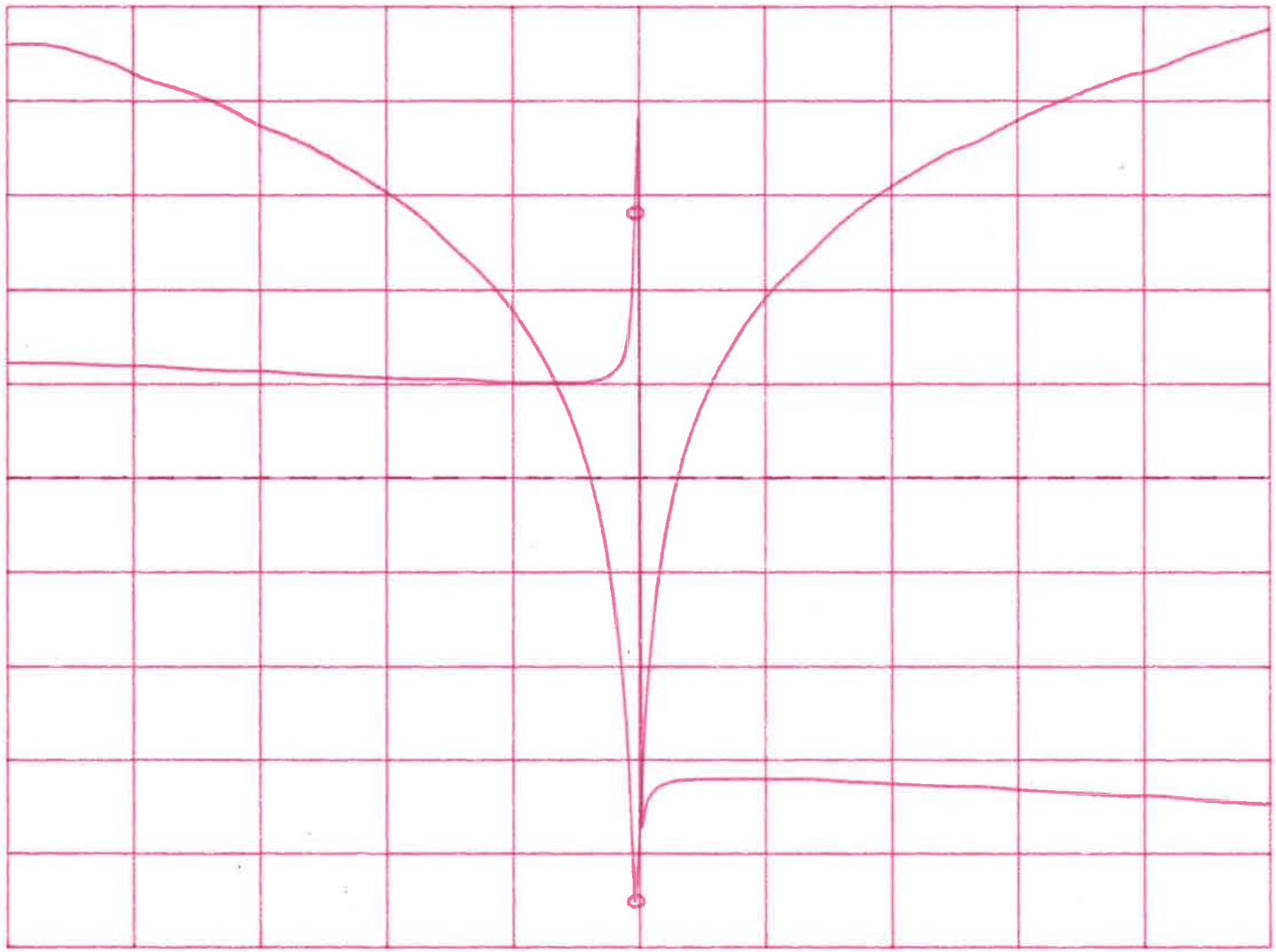
Center freq

Δ Upper - Lower S.B.

≈ 26 dB

Δ Center - Upper ≈ 27 dB

REF LEVEL /DIV MARKER 84 229 225.000Hz
35.000dB 5.000dB MAG (UDF) -12.510dB
0.0deg 45.000deg MARKER 84 229 225.000Hz
PHASE (A/R) 126.535deg

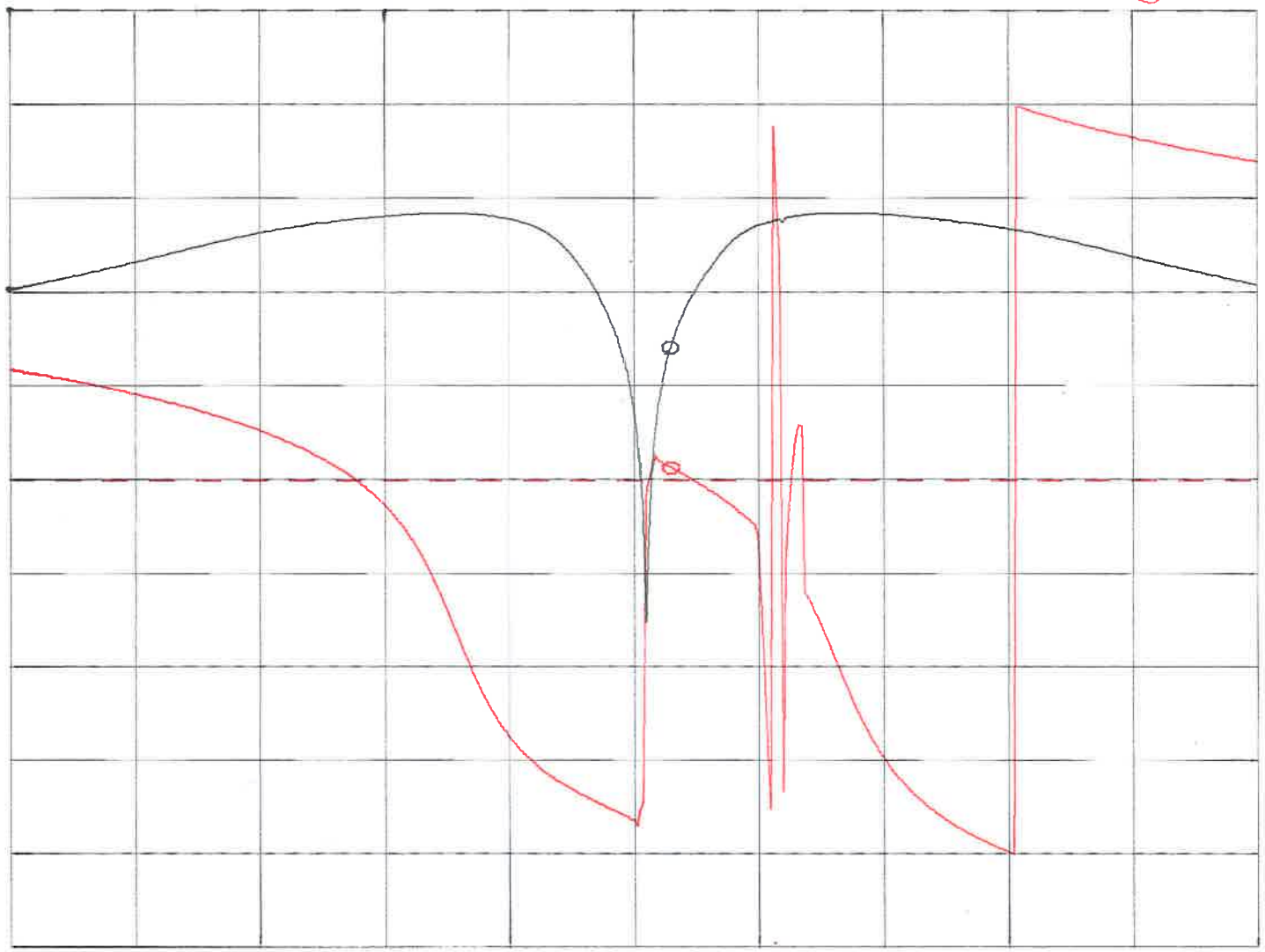


CENTER 84 229 250.000Hz SPAN 10 000.000Hz
AMPTD -45.0dBm

Beam Source
(Network Analyzer)
-45 dBm -10dB pad
Total = -55 dBm)

CLOCK source
@ 52.8 MHz.

REF LEVEL /DIV MARKER 82 895 000.000Hz
60.000dB 10.000dB MAG(A/R) 24.083dB
0.0deg 45.000deg MARKER 82 895 000.000Hz
PHASE(A/R) 6.399deg

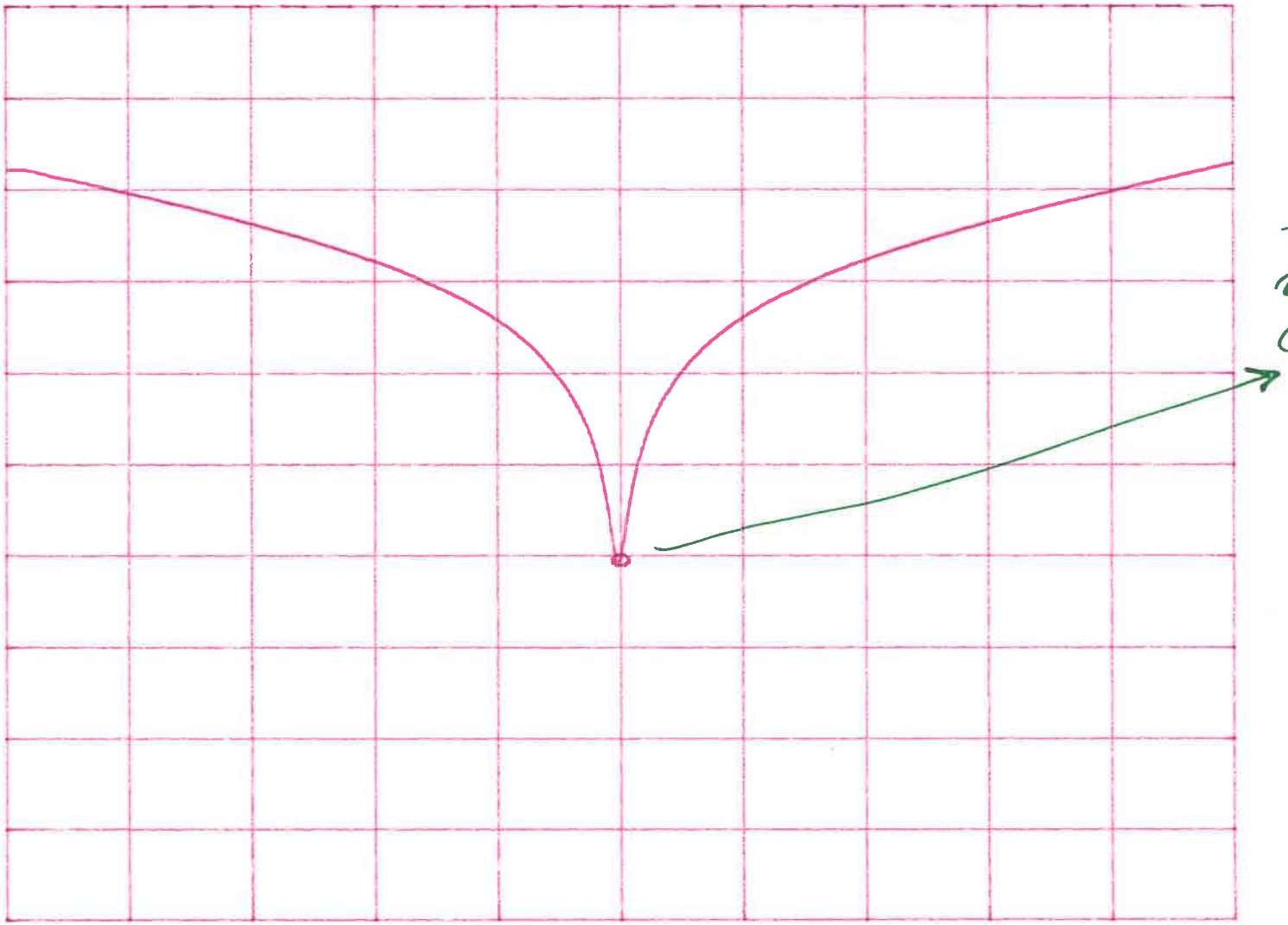


MODE 48

CENTER 82 892 000.000Hz SPAN 100 000.000Hz
AMPTD -35.0dBm

MODE 48

REF LEVEL /DIV MARKER 82 971 800.000Hz
50.000dB 10.000dB MAG(A/R) -10.493dB



CENTER 82 971 800.000Hz SPAN 20 000.000Hz
AMPTD -40.0dBm

clock needs to be greater than -35 dBm

CLOCK INPUT
52.8 MHz
(-20 dBm for test)

measured on a S.A.
82,971,375 ± 125 Hz

TRUE ZERO or MIN.
@ zero span is
@ 82,971,500