

**ENGINEERING, INC.***"One World, One EMC Solution"*

Pls upload to Exhibit 46

EAST#

95195

FACSIMILE MESSAGE

Bill Inglis

X 3042

DATE: 11.23.99

of pages, (including Cover): 7

TO: Bill Inglis

FAX #: 301 344-2050

@: FCC

REF: #10364, EA 95195

FROM: Bryan Broadbus

FCC ID BBD3-1AB-M

attn: Bill Inglis

*Family owned and operated since 1979*3535 W. Commonwealth Ave. • Fullerton, CA 92833 • Tel. 714/870-7781 • Fax 714/870-5081 • www.dabenginc.com



November 18, 1999

Bill Inglis
FEDERAL COMMUNICATIONS COMMISSION
Authorization & Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

RE: Reference Number : 10364
731 Confirmation #: EA95195
FCC ID: BBD3-1AB-M

Dear Mr. Inglis:

In reference to your E-mail dated 10/26/99, the data in the test report shows an unmodulated carrier at +47 dBm which is 50 watts on sheet 12. The output power listed on sheet 8 for paragraph 2.983 (e)(1) is incorrect. It should be 50 watts at all three input voltages. Included is a revised page.

Attached are additional plots for OBW and Conducted Spurious signals.

This amplifier is intended for single channel use only. It is a class "C" amplifier.

If you have any additional questions please do not hesitate to call.

Sincerely,

Bryan C. Broaddus
V.P., Operations

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2.983(e) Test Data

Refer to 2.983(e) (1) through 2.983(c) (7).

2.983(e)(1) Measurement of RF Power Output per 2.985

Definition: For RF Power Amplifiers.

Test Method: See FIGURE 2.

Output Power Is measured across a precision 50 ohm load with a wide band sampling RF Voltmeter.

Test Results:

POWER OUTPUT

FREQUENCY	NOMINAL VOLTAGE 13.8 VDC	85% VOLTAGE 11.73 VDC	115% VOLTAGE 15.87 VDC
158 MHz	50 Watts	50 Watts	50 Watts

Occupied Bandwidth Drive

hp

INPUT 6 WATTS POWER
REF 37.8 dBm ATTEN 10 dB

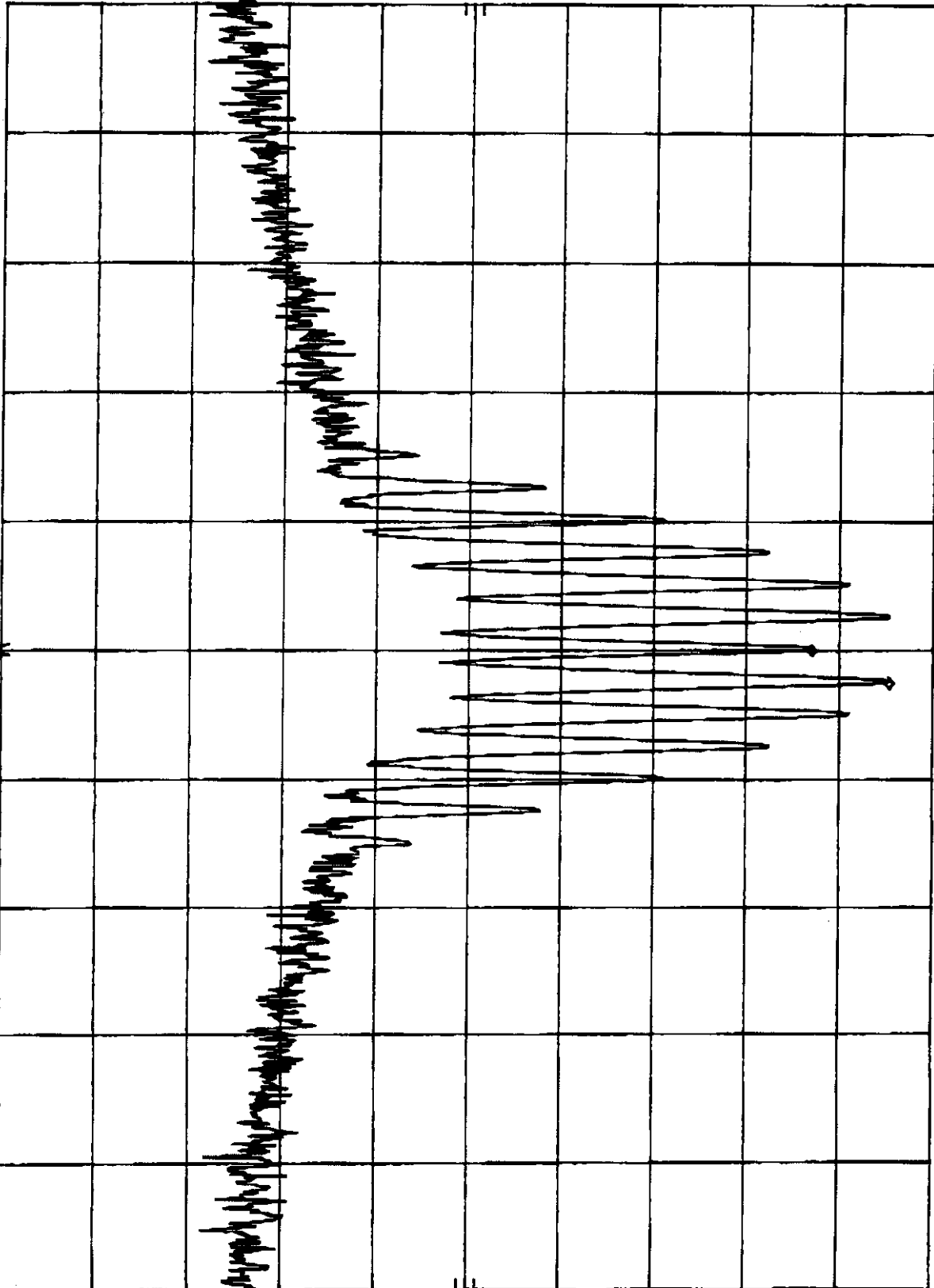
MKR Δ 2.5 KHz
8.30 dB

10 dB/

POS PK

OFFSET
61.0

. dB



CENTER

158.000 MHz

RES BW

300 Hz

VBW

1 kHz

SPAN

100 kHz

SWP

3.00 sec

8.30 dB

61.0

. dB

Decapital Bandwidth Driver

INPUT 6 WATTS POWER
REF 37.8 dBm

ATTEN 10 dB

MKR Δ 2.5 KHZ
8.30 dB

hp

10 dB/

POS PK

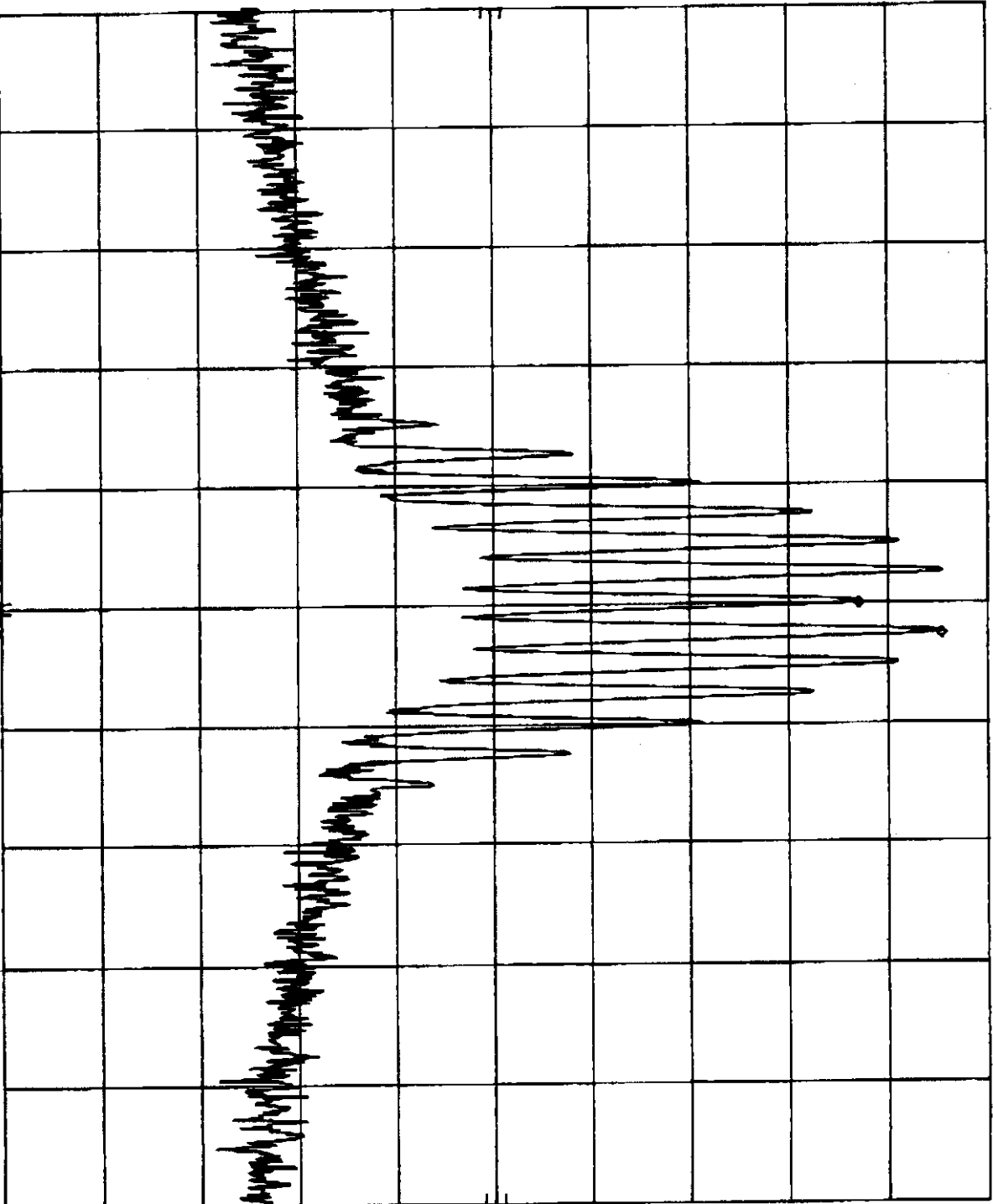
OFFSET
61.0
dB

hp

10 dB/

POS PK

OFFSET
61.0
dB



CENTER

CENTER 158.000 MHZ

RES BW 300 HZ

VBW 1 KHZ

SWP 3.00 sec

SPAN 100 KHZ

Antenna Connected Spurious Drive

6 WATTS INPUT ANT. CONDUCTED SPURIOUS
 REF 61.0 dBm ATTEN 10 dB

hp

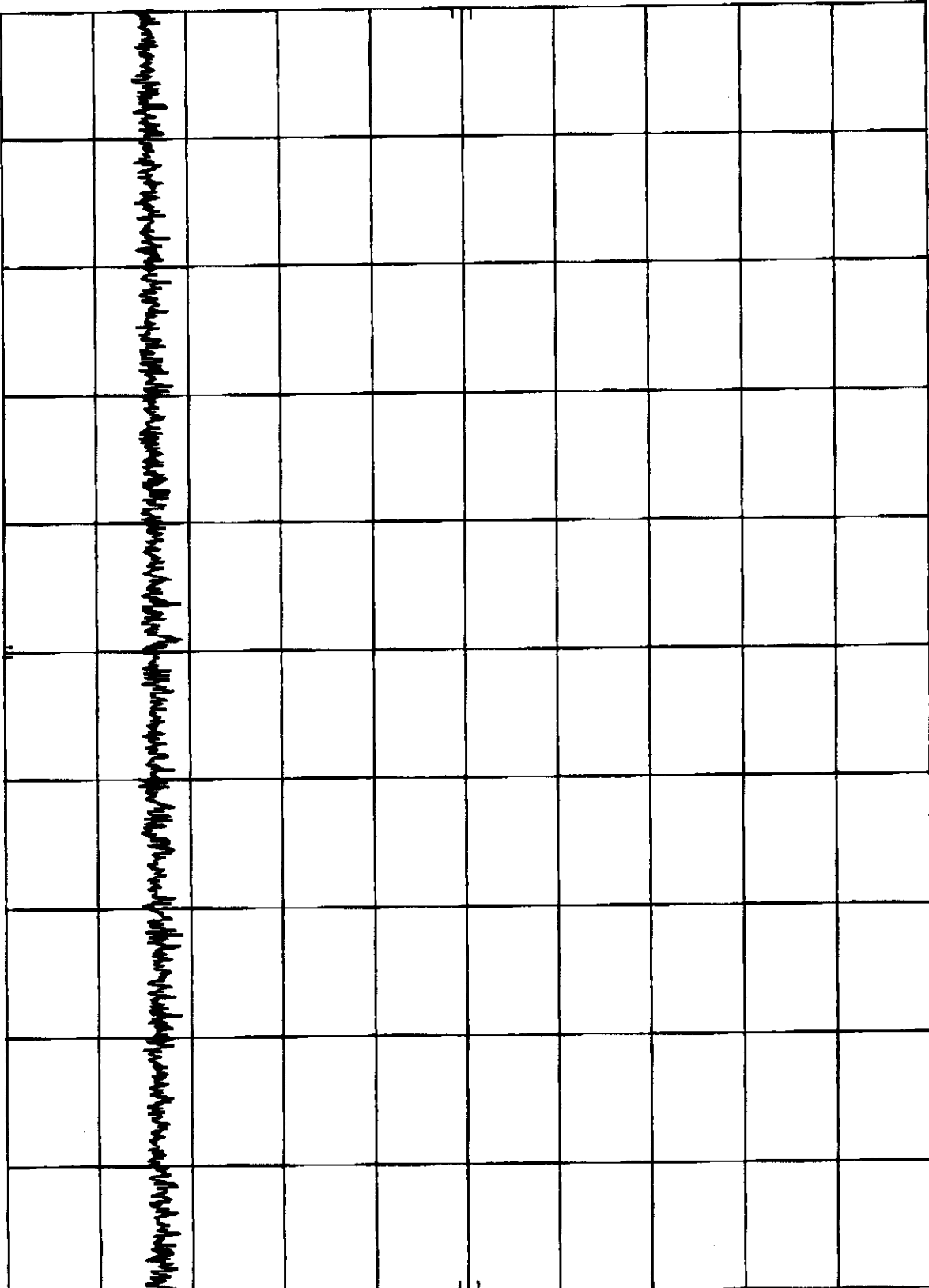
10 dB/

POS PK

OFFSET

61.0

dB



START 1.00 GHz

VBW 100 kHz

STOP 2.00 GHz

TOTAL P.06

SWP 3.00 sec

Antenna Conducted Spurious Driver

6 WATTS INPUT ANT. CONDUCTED SPURIOUS
 REF 61.0 dBm ATTEN 10 dB

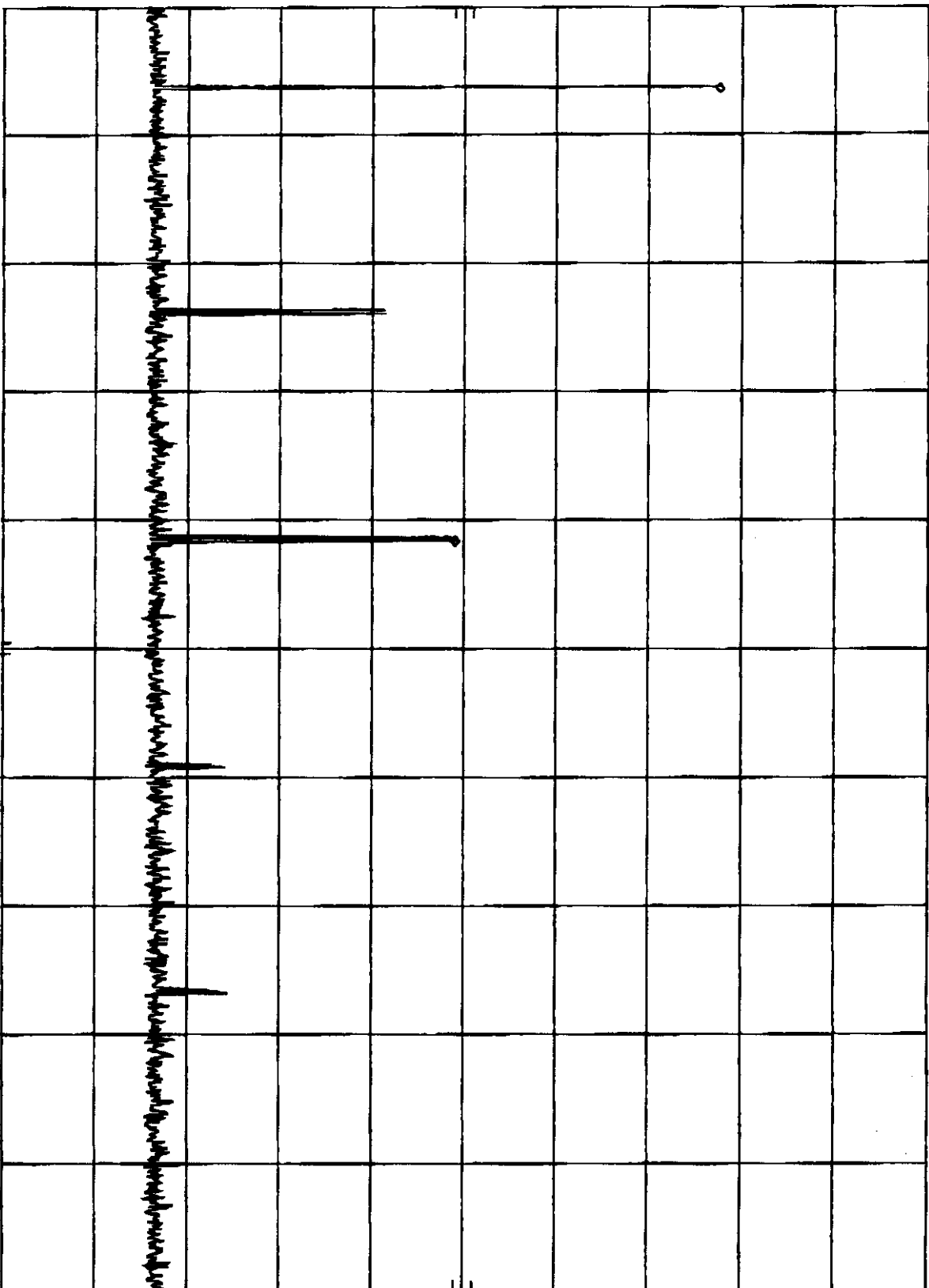
MKR Δ 316.8 MHz
 -28.60 dB

hpo

10 dB/

POS PK

OFFSET
 61.0
 dB



START 100 MHz

BESBW 30 MHz

VBW 100 MHz

STOP 1.000 GHz

CWB 3.72