

ENGINEERING TEST REPORT NO. 21851

DATA SHEET

MANUFACTURER : ANDREW CORP.
 TEST ITEM : 900MHz CHANNELIZED PAGING REPEATER
 MODEL NO. : SELECTAMP NBPCS-900-3
 SERIAL NUMBER : NONE ASSIGNED
 TEST DESCRIPTION : RF POWER OUTPUT AND GAIN MEASUREMENTS
 TEST EQUIPMENT : See Table I
 DATE TESTED : JULY 12, 1999
 NOTES : Unmodulated

FREQUENCY MHz	METER READING dBm	EXTERNAL ATTEN. dB	TOTAL dBm	POWER Watts	INPUT dBm	CALCULATED GAIN dB
Set to Maximum Gain						
929.5	0.5	29.5	30.0	1.0	-63.5	93.7
930.5	0.5	29.5	30.0	1.0	-63.5	93.5
940.0	0.5	29.5	30.0	1.0	-62.7	92.7
900.0	-2.5	29.5	27.0	0.5	-57.5	84.5

CHECKED BY: 

(13:05:44 JUL 12, 1999

ANDREWS NBPCS-900-3

REF -12.0 dBm

AT 10 dB + 40 dB EXT

PASSBAND GAIN RESPONSE

MKR Δ 6.00 MHz

1.56 dB

PEAK

LOG

1

dB/

102

WA SB

SC FS

CORR

CENTER 900.00 MHz

RES BW 100 kHz

VBW 30 kHz

SPAN 10.00 MHz

SWP 20.0 msec

85

83

81

79

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OUT OF BAND GAIN RESPONSE
(20 dB BANDWIDTH)

(13:12:40 JUL 12, 1999

ANDREWS NBPCS-900-3

REF -12.0 dBm

AT 10 dB

MKR Δ 6.00 MHz

1.52 dB

PEAK

LOG

10

dB/

103

WA SB

SC FS

CORR

CENTER 900.00 MHz

RES BW 30 kHz

VBW 30 kHz

SPAN 20.00 MHz

SWP 66.7 msec

20 dB

20 dB

DATA SHEET

13:15:42 JUL 12, 1999

ANDREWS NBPCS-900-3

REF -12.0 dBm

AT 10 dB + 40 dB EXT

EXTENDED OUT-OF-BAND
GAIN RESPONSE
(+450%)

PEAK
LOG
10
dB/

100

NA SB
SC FS
CORR

CENTER 900.0 MHz
#RES BW 30 kHz

VBW 30 kHz

SPAN 100.0 MHz
SWP 333 msec

07:10:06 JUL 13, 1999

ANDREWS NBPCS-900-3

REF -10.0 dBm

AT 10 dB + 40 dB EXT

PASSBAND GAIN RESPONSE

PEAK
LOG
1
dB/

100

NA SB
SC FS
CORR

CENTER 930.00 MHz
#RES BW 30 kHz

VBW 30 kHz

SPAN 20.00 MHz
SWP 333 msec

DATA SHEET

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GAIN
(dB)

07:19:42 JUL 13, 1999

ANDREWS NBPCS-900-3

REF -10.0 dBm

AT 10 dB+40dB

OUT OF BAND GAIN RESPONSE
(20dBc BANDWIDTH)

PEAK

LOG

10

dB/

100

MA SB

SC FS

CORR

CENTER 930.00 MHz

#RES BW 30 kHz

VBW 30 kHz

SPAN 20.00 MHz

SWP 66.7 msec

07:24:21 JUL 13, 1999

ANDREWS NBPCS-900-3

REF -10.0 dBm

AT 10 dB

EXTENDED OUT-OF-BAND
GAIN RESPONSE (4.250%)

PEAK

LOG

10

dB/

107

MA SB

SC FS

CORR

CENTER 930.0 MHz

#RES BW 30 kHz

VBW 30 kHz

SPAN 100.0 MHz

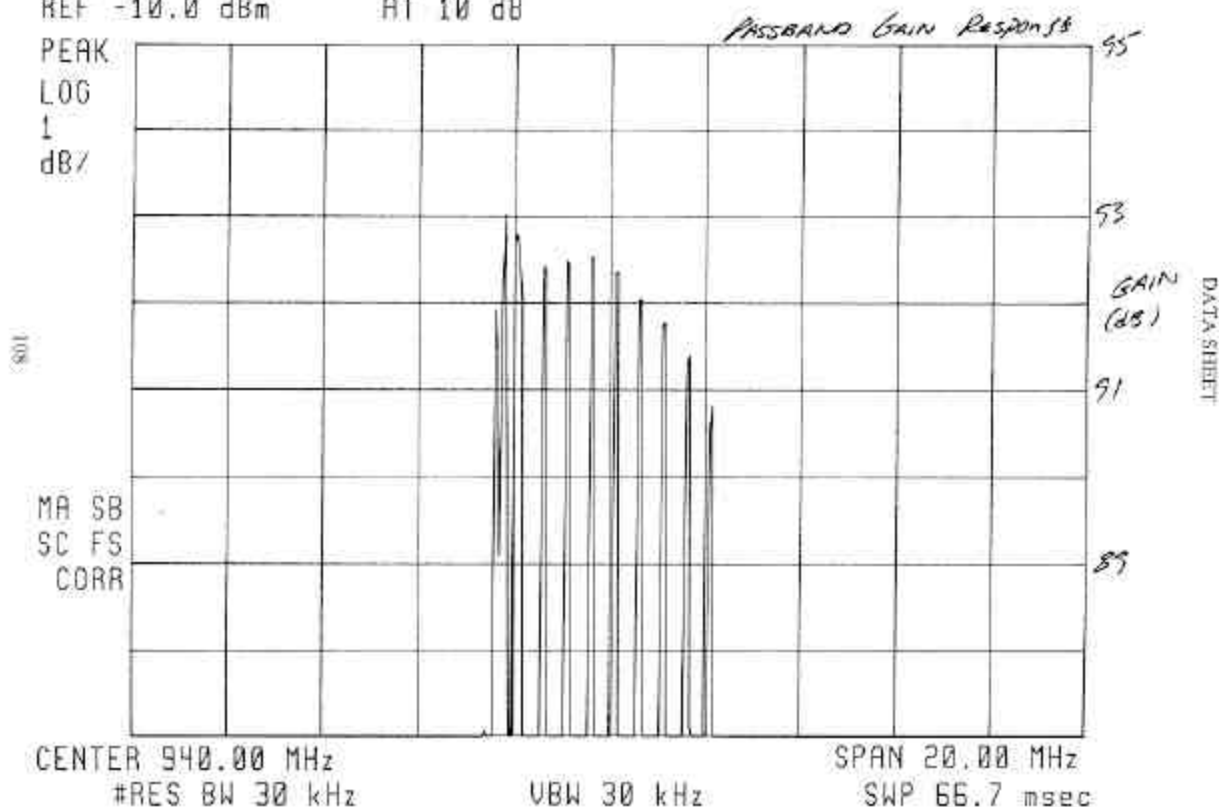
SWP 66.7 msec

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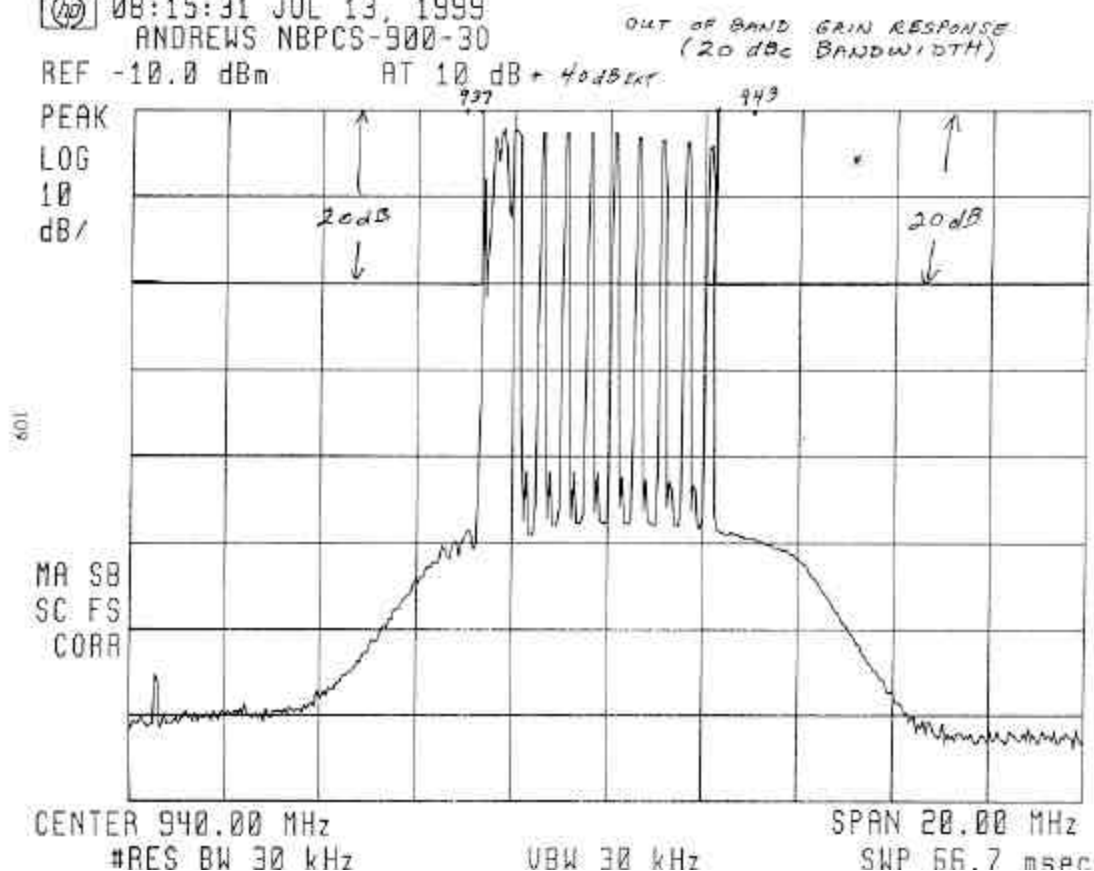
08:12:36 JUL 13, 1999
 ANDREWS NBPCS-900-30
 REF -10.0 dBm AT 10 dB

PEAK
 LOG
 1
 dB/



08:15:31 JUL 13, 1999
 ANDREWS NBPCS-900-30
 REF -10.0 dBm AT 10 dB + 40dBEXT

PEAK
 LOG
 10
 dB/



(20) 08:24:09 JUL 13, 1999
ANDREWS NBPCS-900-30
REF -10.0 dBm AT 10 dB

EXTENDED OUT-OF-BAND
GAIN RESPONSE (7.2503)

PEAK
LOG
10
dB/

110

MA SB
SC FS
CORR

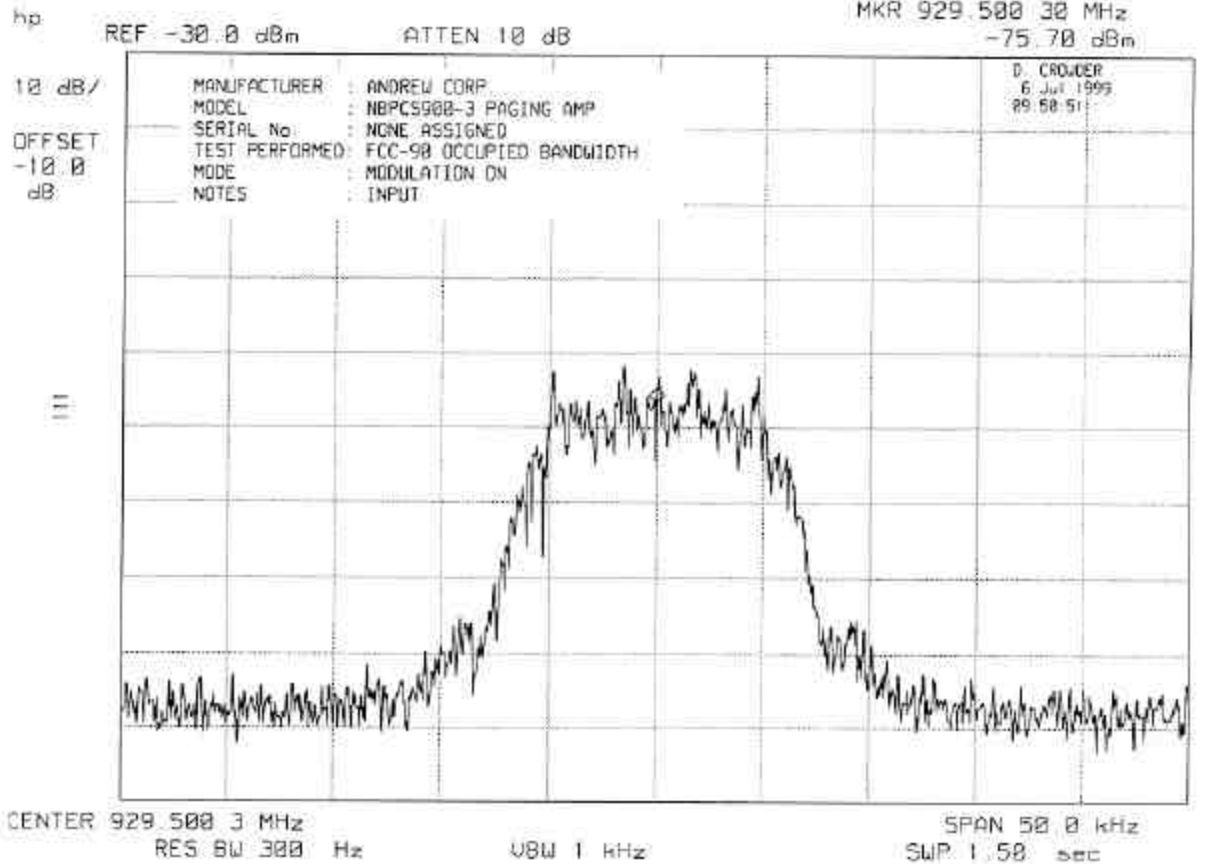
CENTER 940.0 MHz
#RES BW 30 kHz

VBW 30 kHz

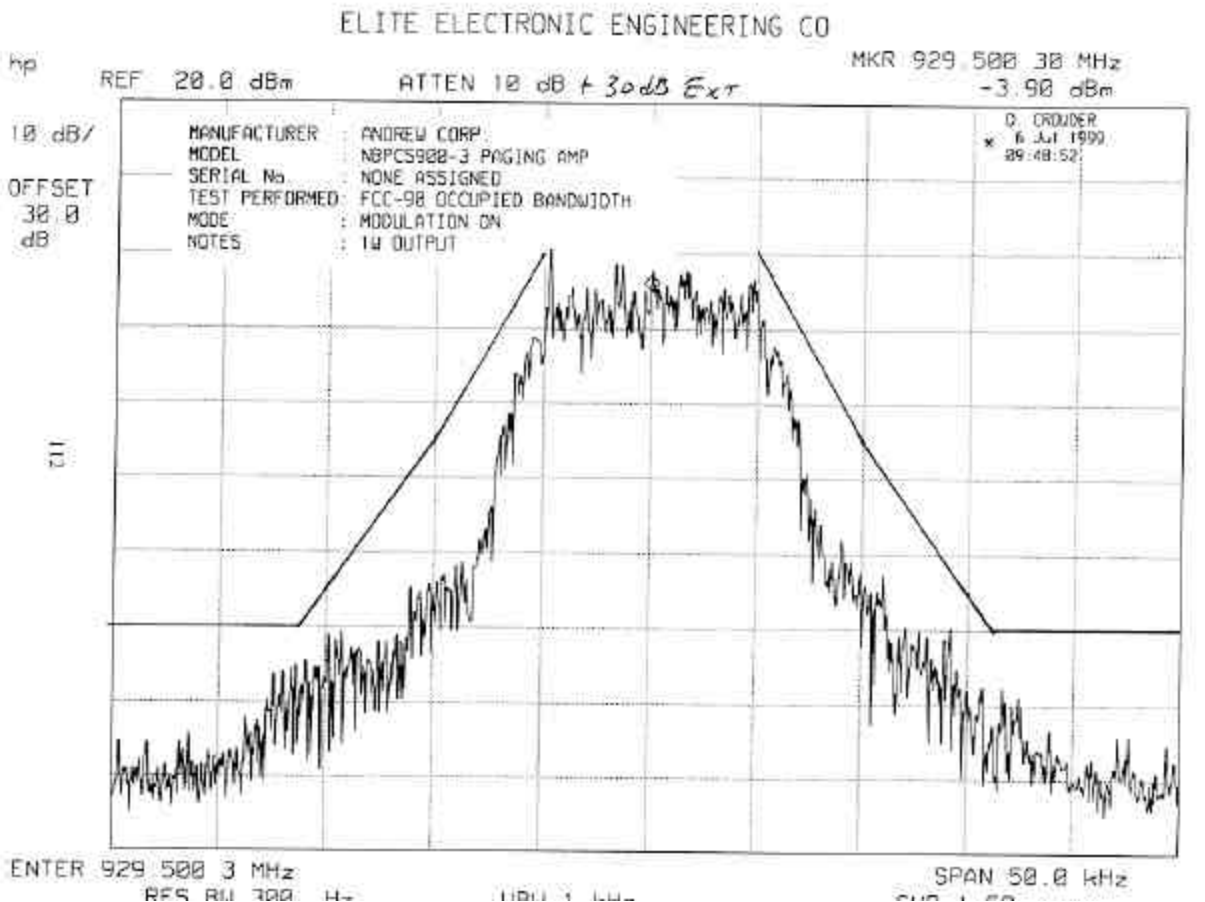
SPAN 100.0 MHz
SWP 333 msec

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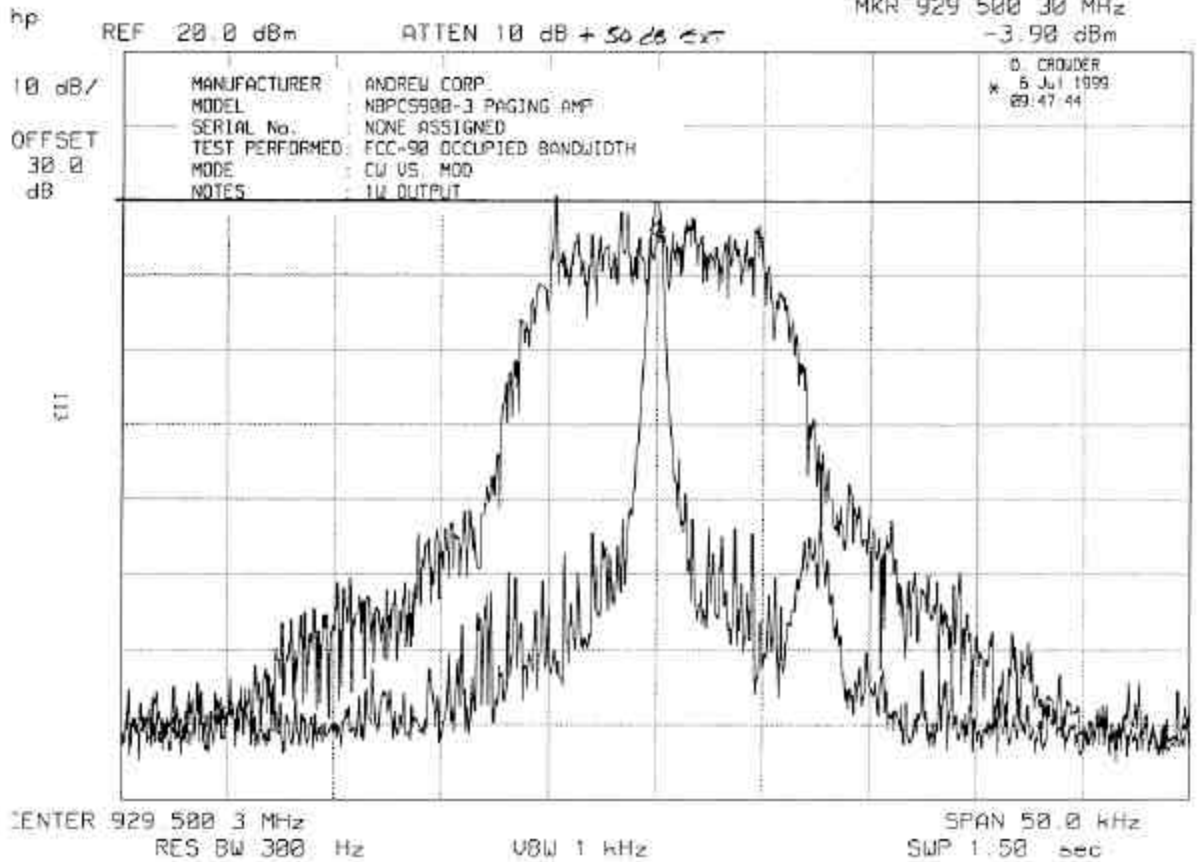


DATA SHEET



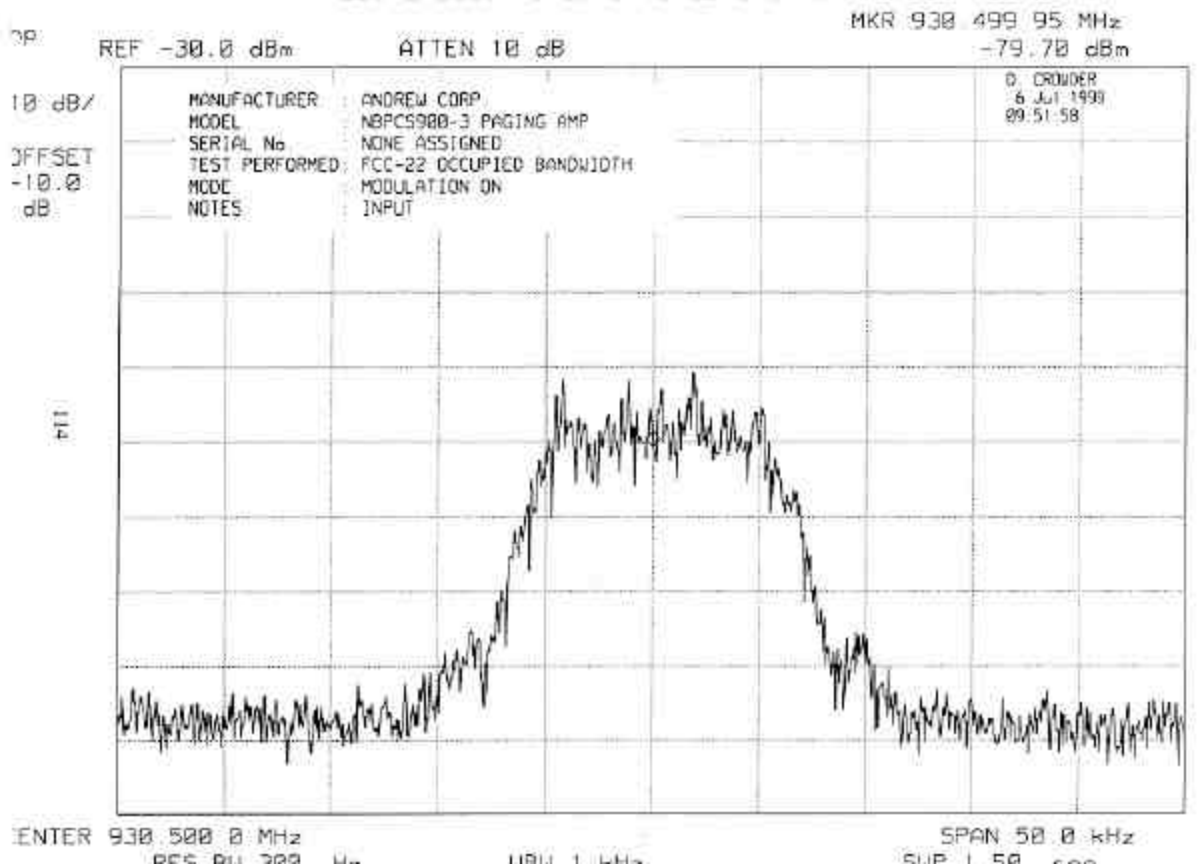
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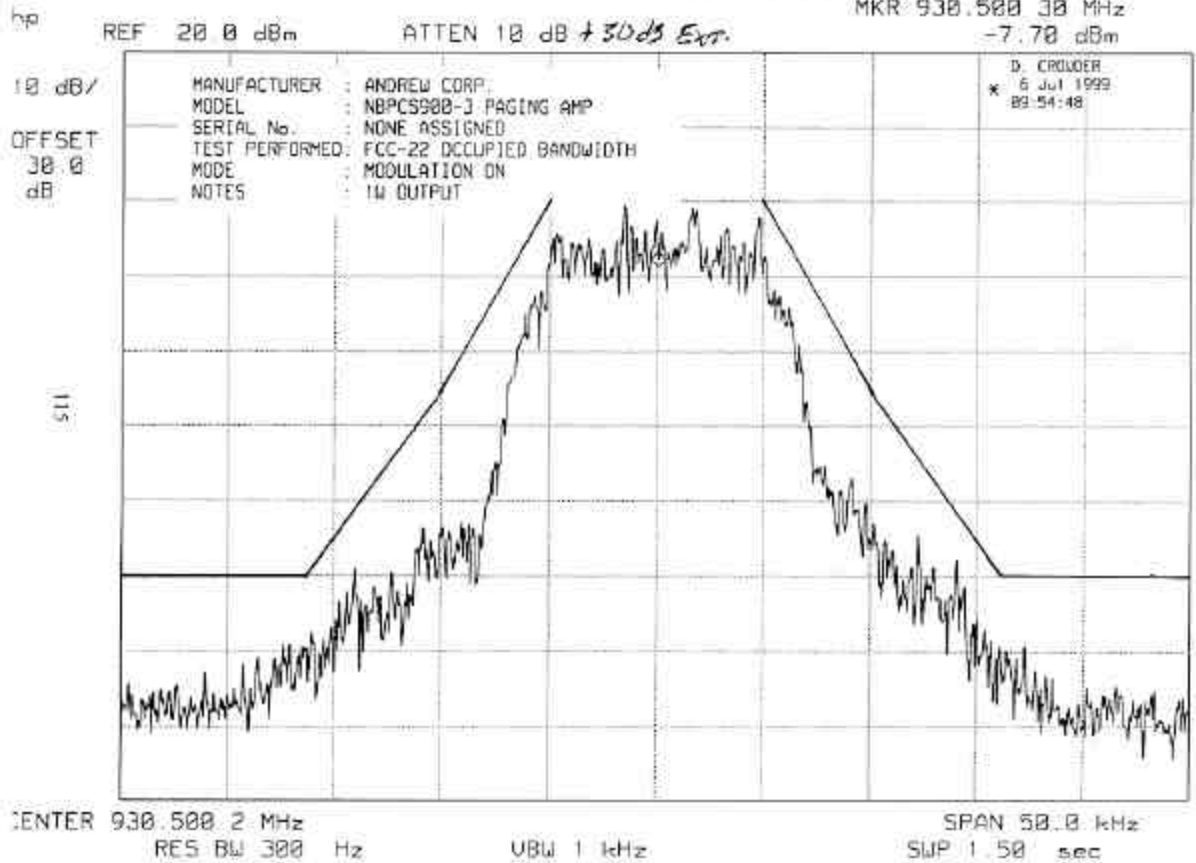
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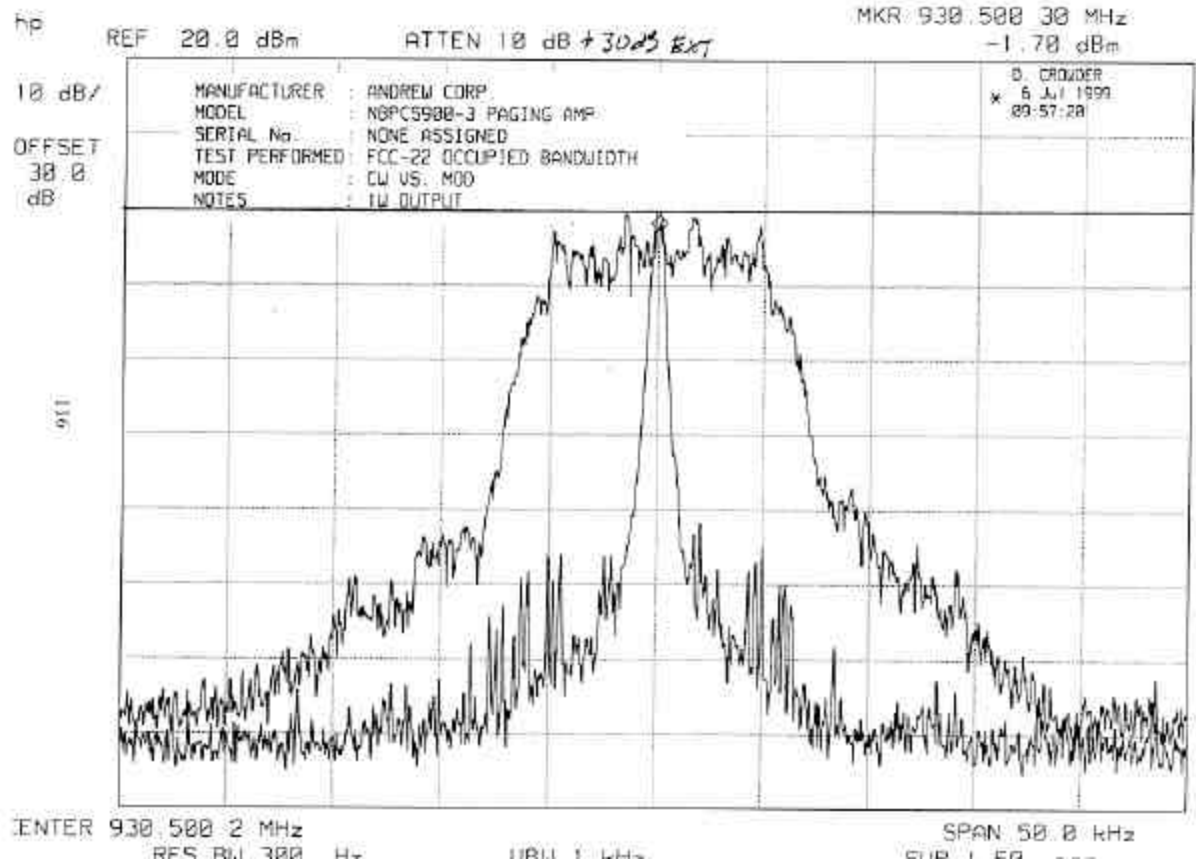
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hp

REF -30.0 dBm

ATTEN 10 dB

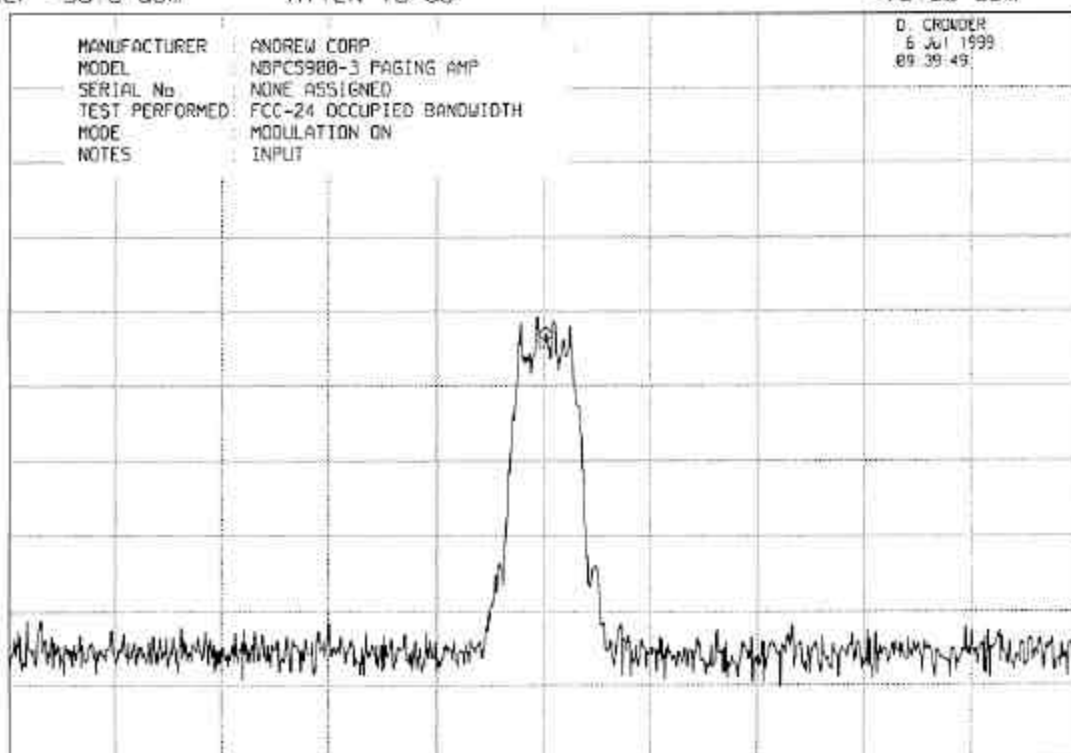
MKR 940.000 2 MHz
-73.20 dBm

10 dB/
OFFSET
-10.0
dB

MANUFACTURER : ANDREW CORP.
MODEL : NBPCS900-3 PAGING AMP
SERIAL No. : NONE ASSIGNED
TEST PERFORMED : FCC-24 OCCUPIED BANDWIDTH
MODE : MODULATION ON
NOTES : INPUT

D. CROWDER
5 Jul 1999
09:39:49

117



CENTER 940.000 MHz

RES BW 300 Hz

VBW 1 kHz

SPAN 200 kHz
SWP 6.00 sec

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hp

REF 20.0 dBm

ATTEN 10 dB + 30 dB EXT

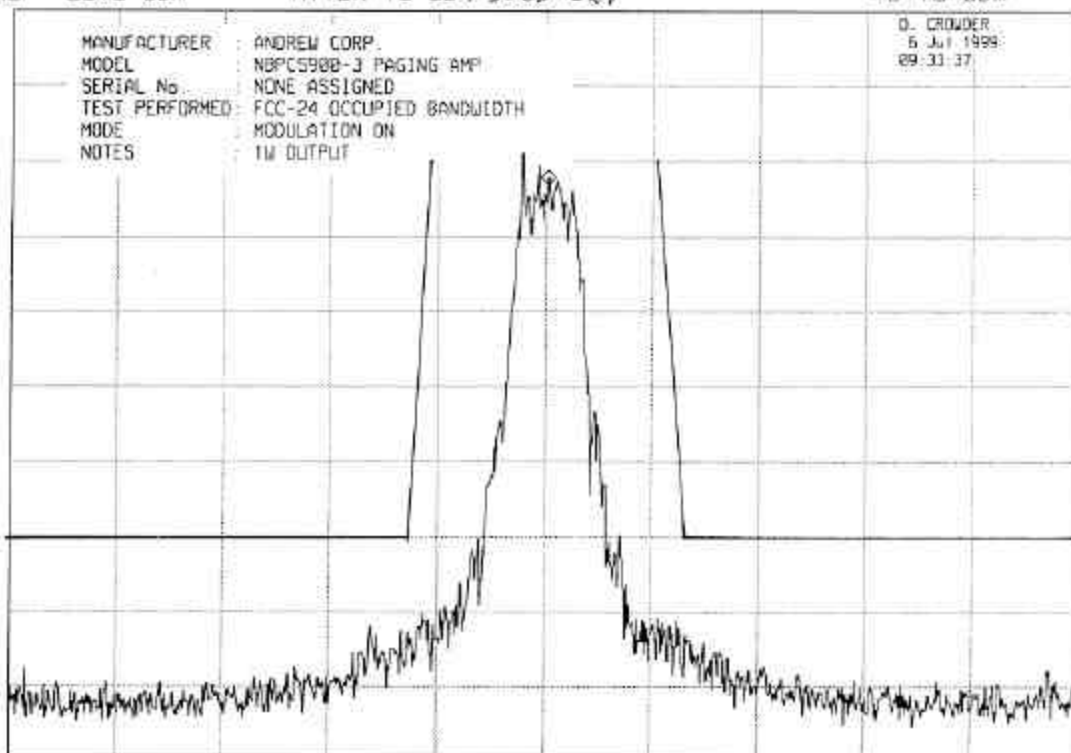
MKR 940.000 2 MHz
-2.10 dBm

10 dB/
OFFSET
30.0
dB

MANUFACTURER : ANDREW CORP.
MODEL : NBPCS900-3 PAGING AMP
SERIAL No. : NONE ASSIGNED
TEST PERFORMED : FCC-24 OCCUPIED BANDWIDTH
MODE : MODULATION ON
NOTES : 1W OUTPUT

D. CROWDER
5 Jul 1999
09:31:37

118

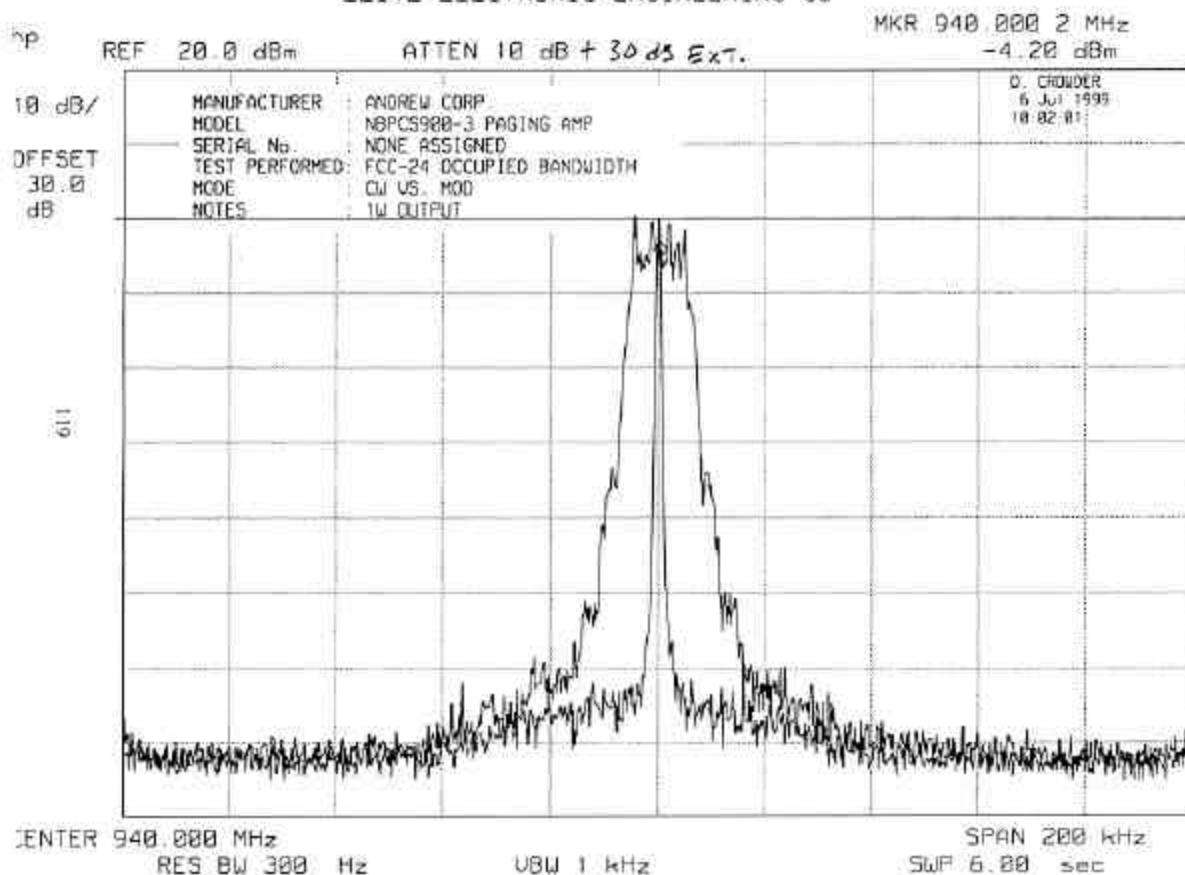


CENTER 940.000 MHz

SPAN 200 kHz

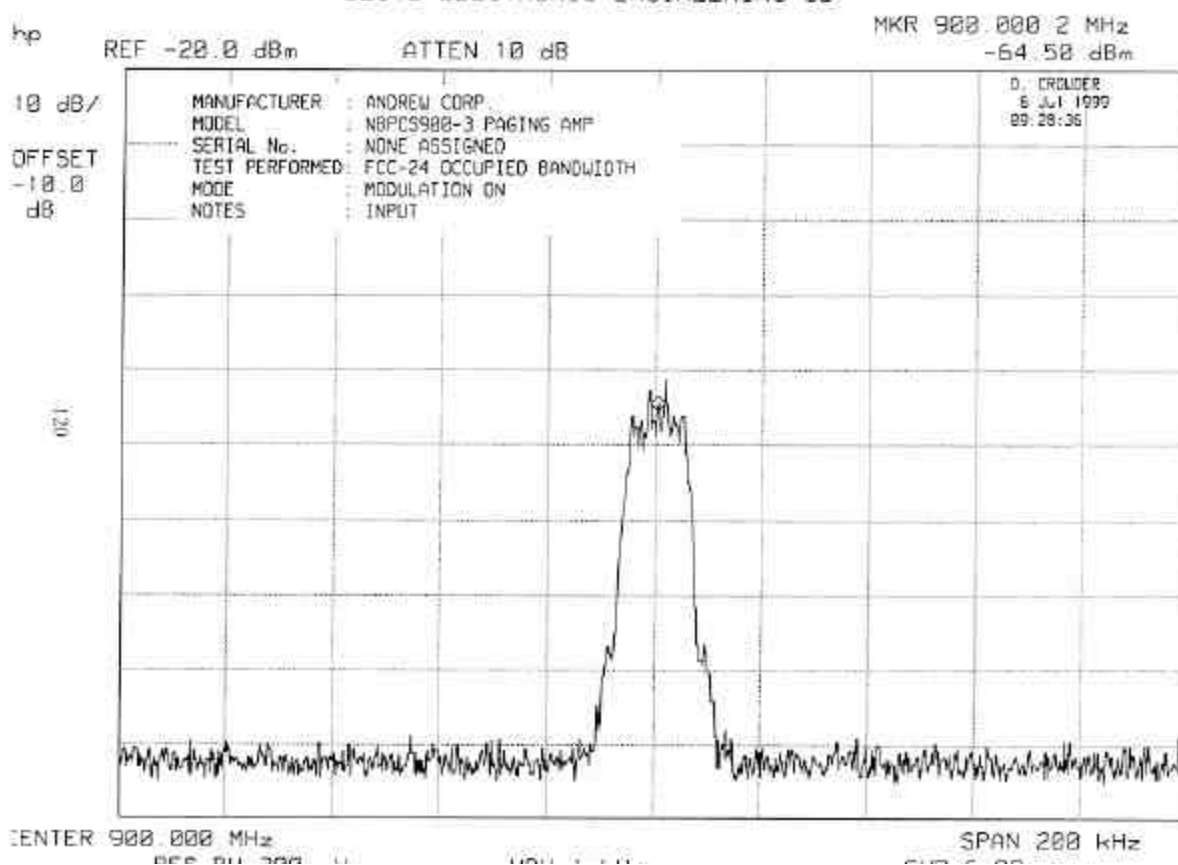
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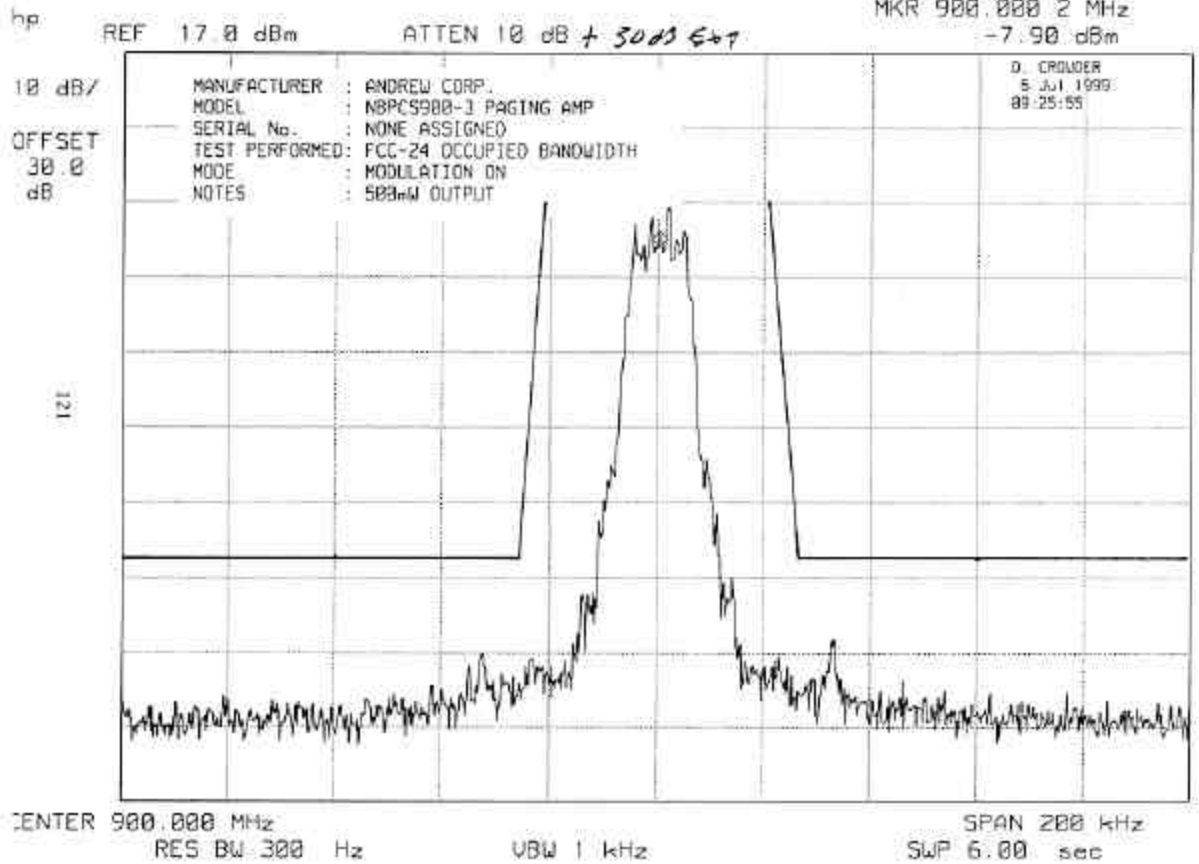
DATA SHEET

ELITE ELECTRONIC ENGINEERING CO



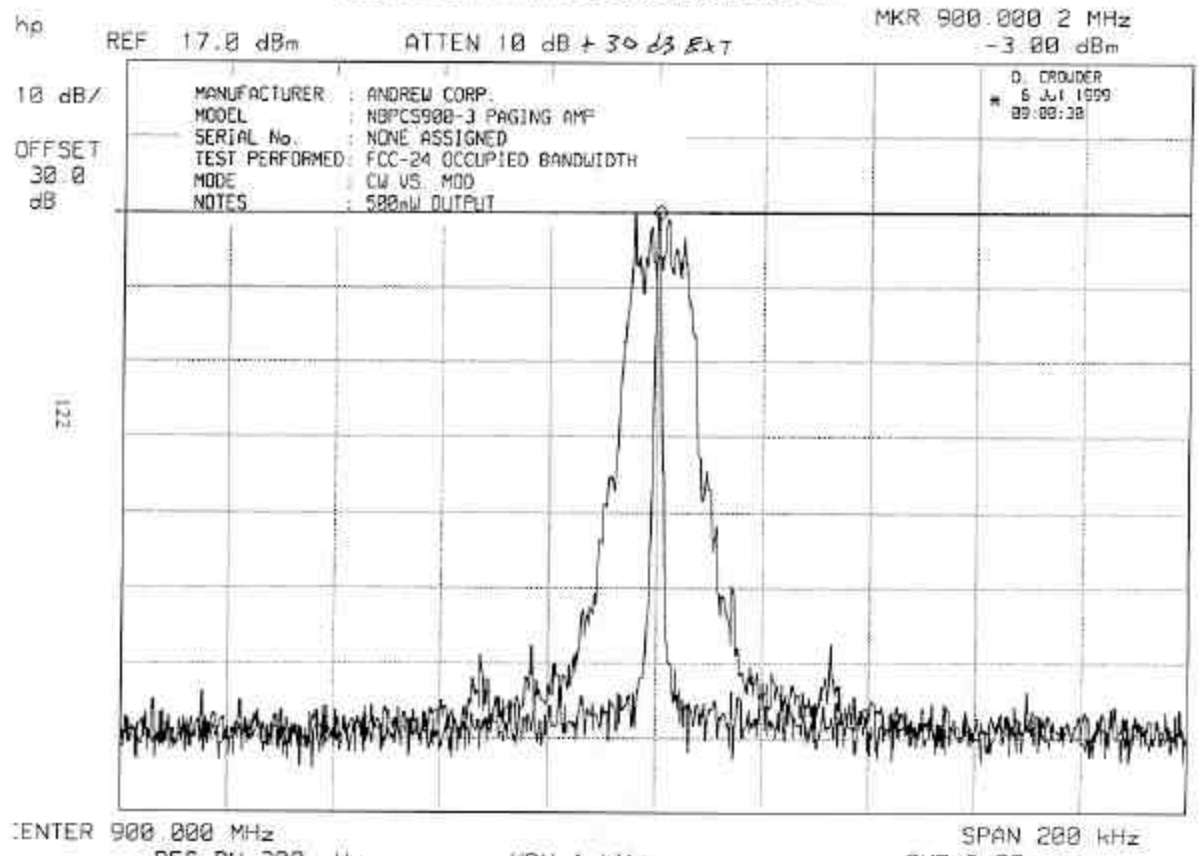
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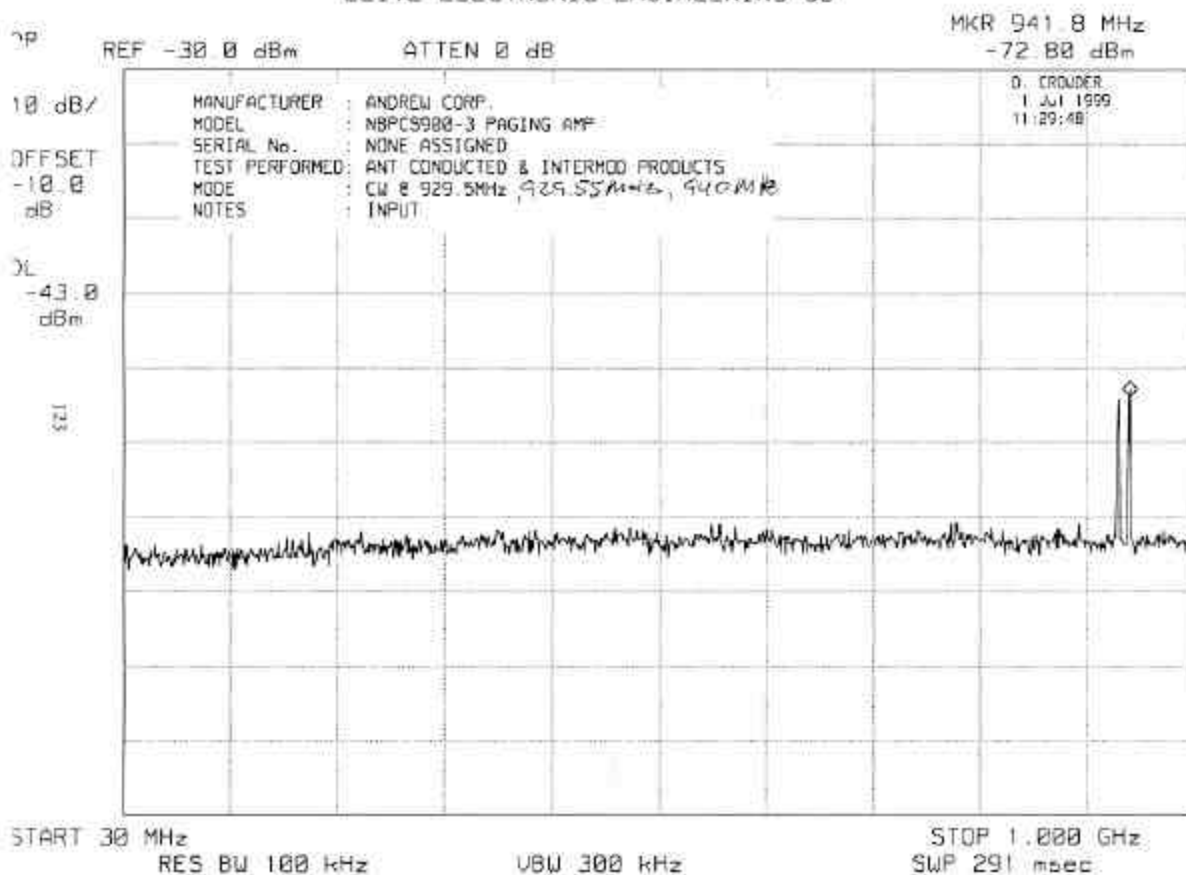
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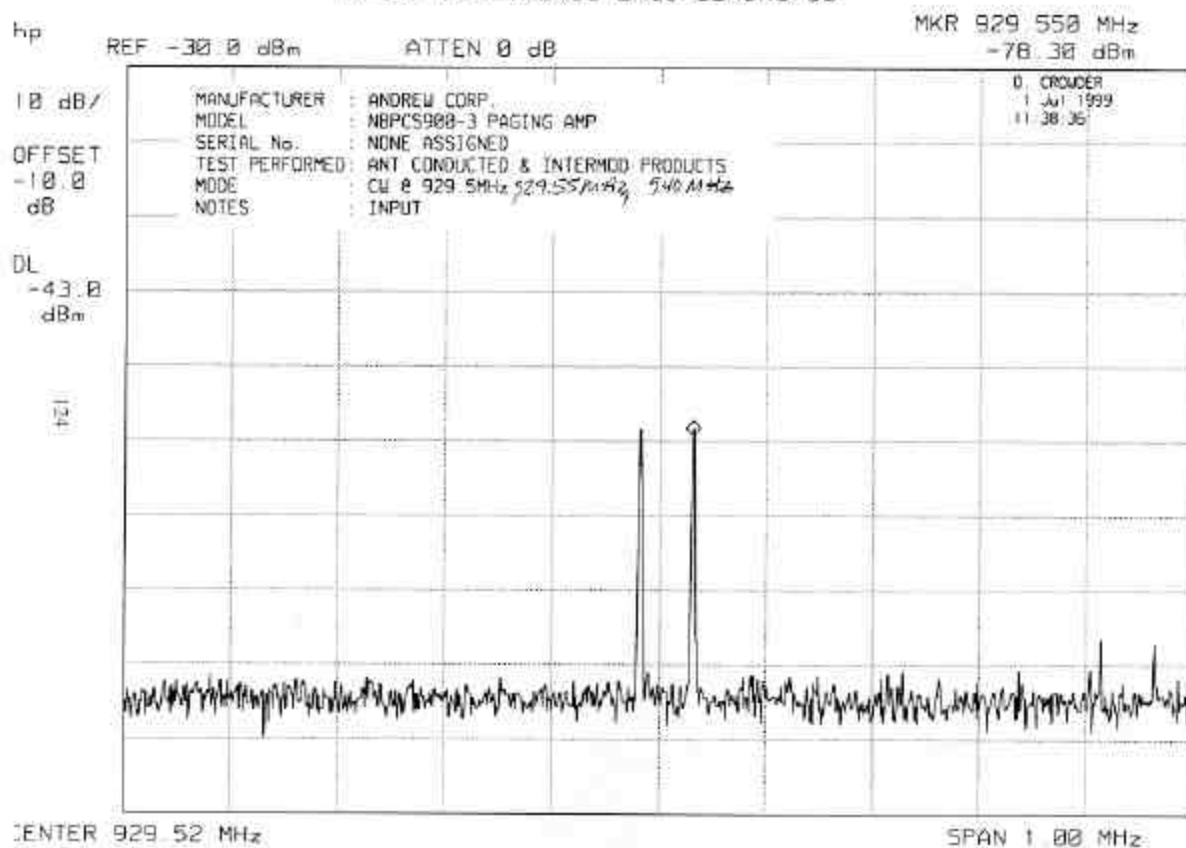
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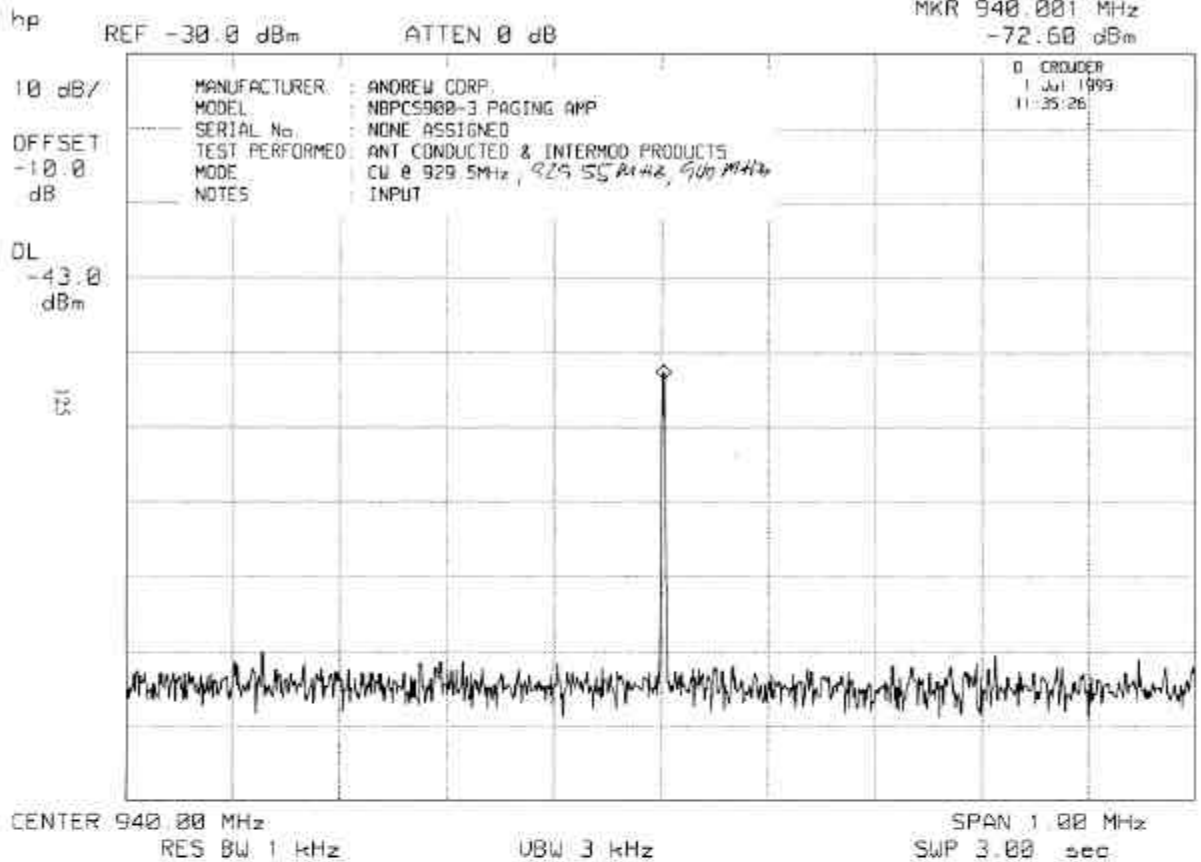
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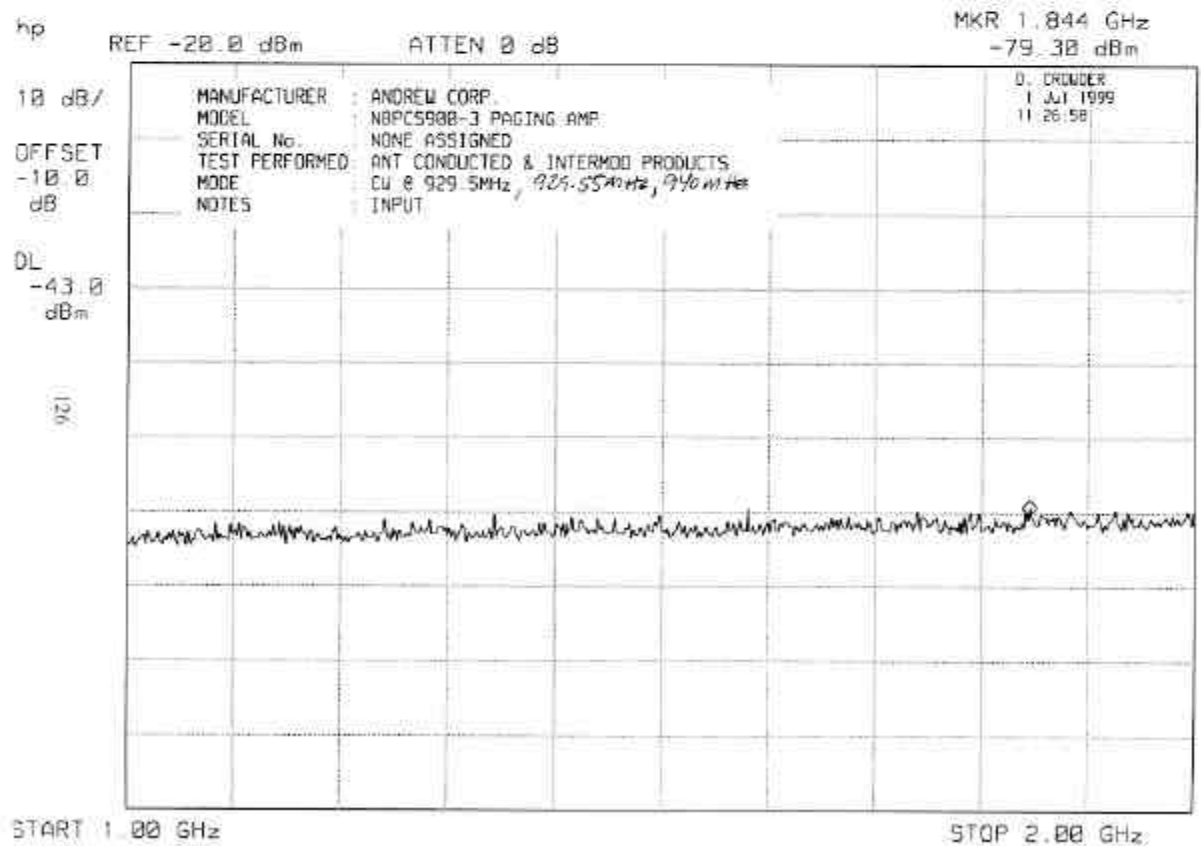
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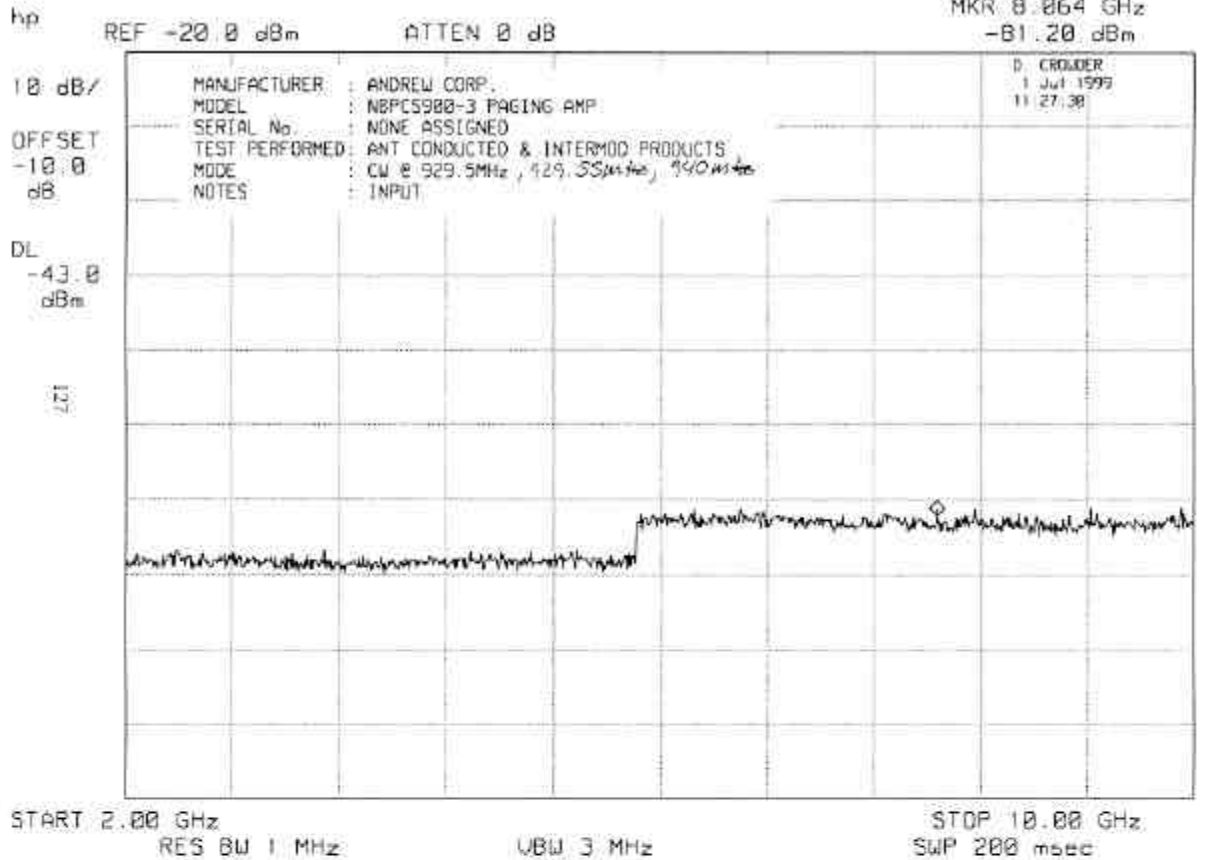
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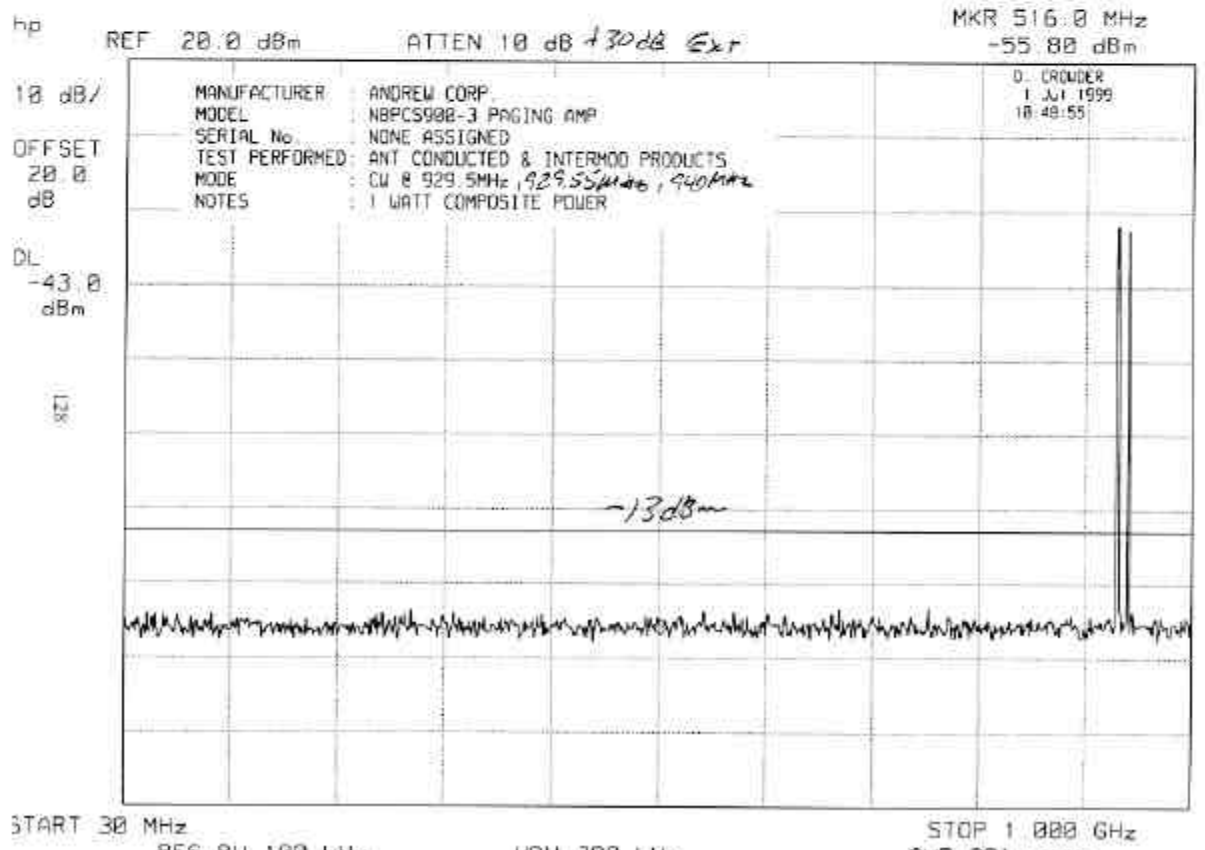
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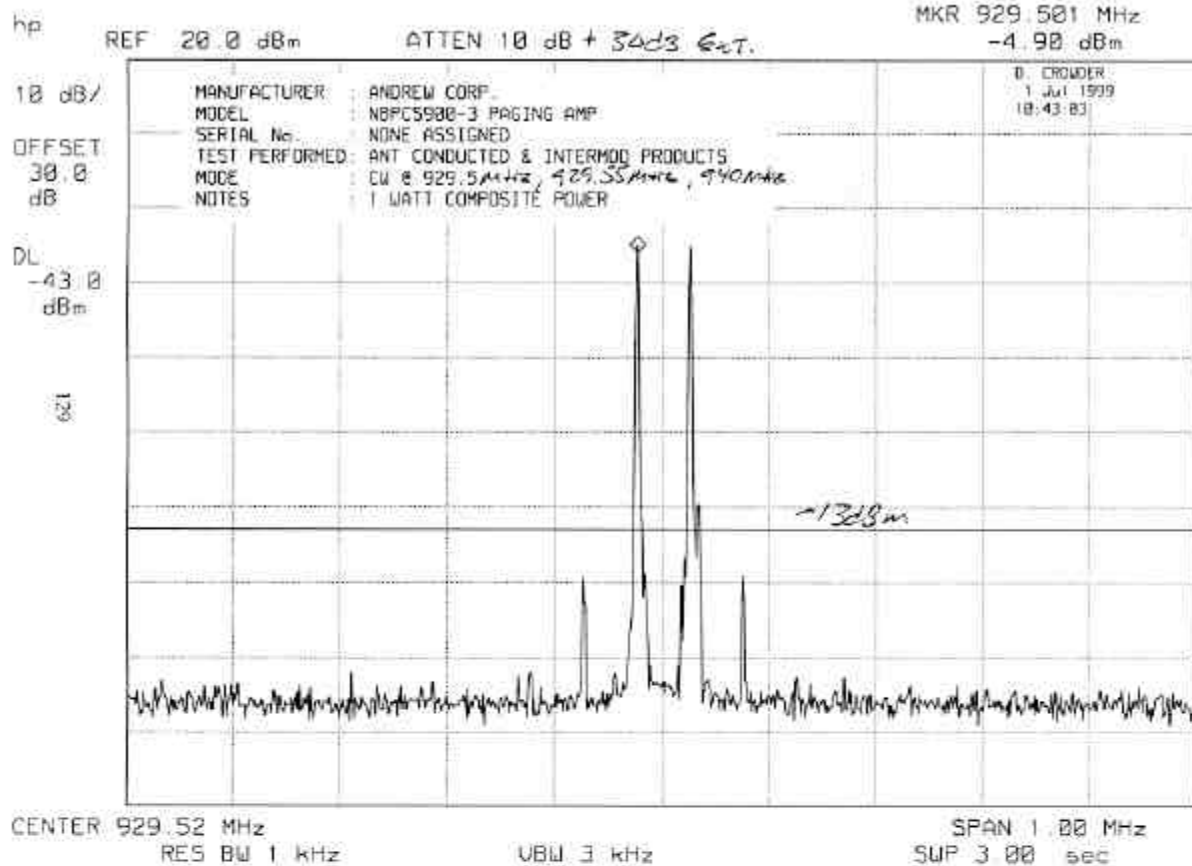
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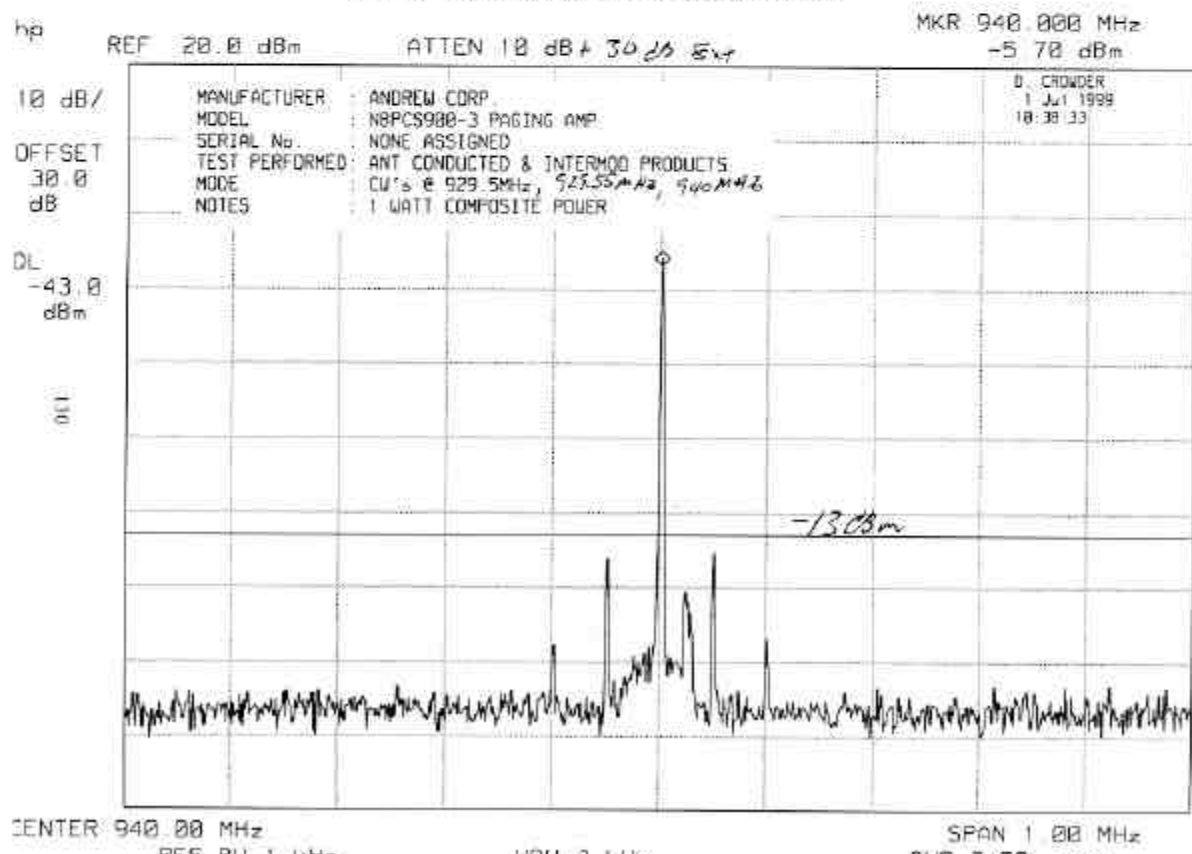
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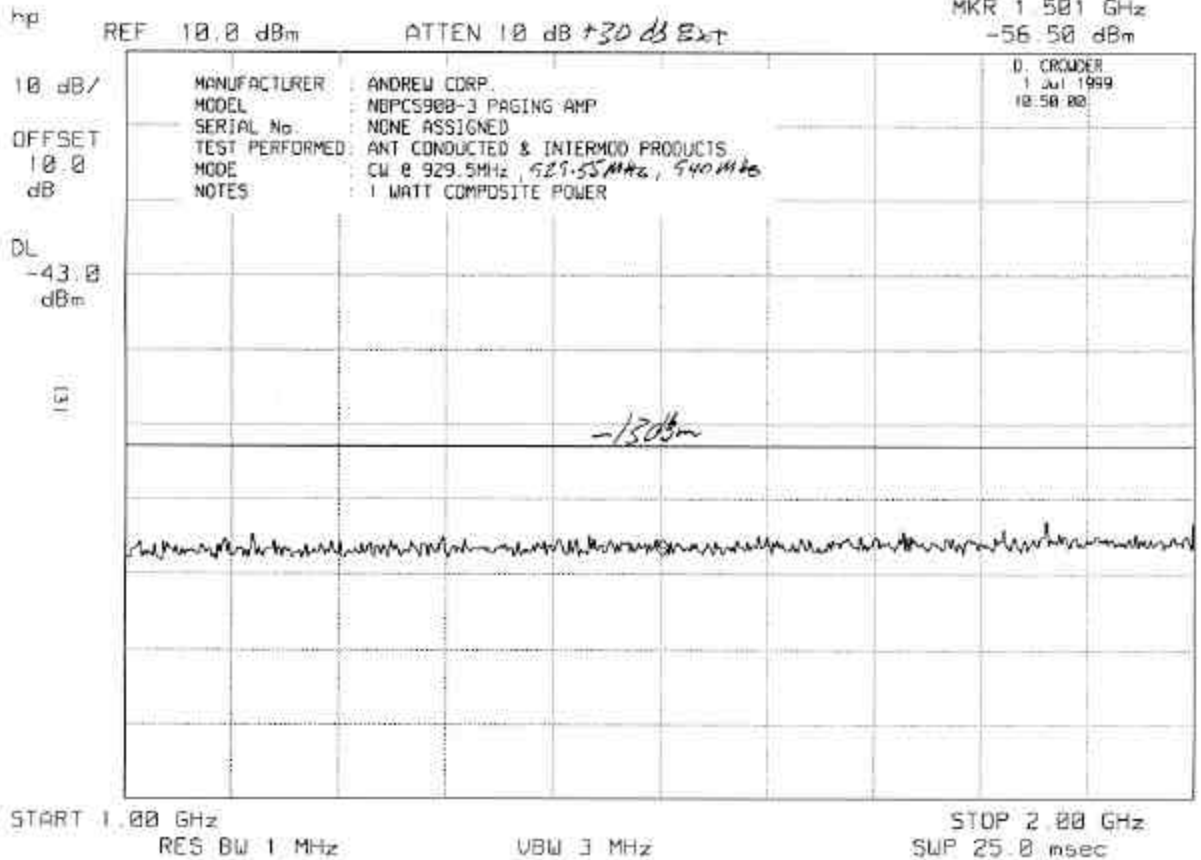
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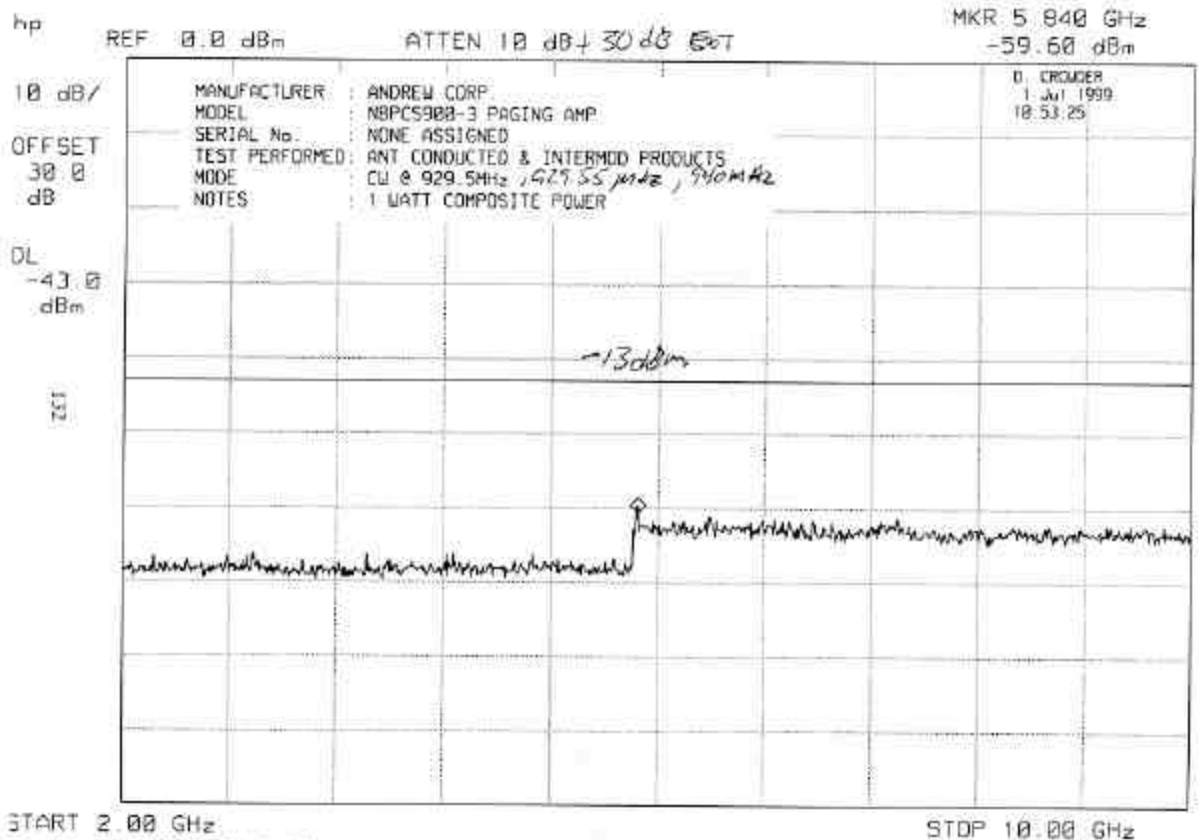
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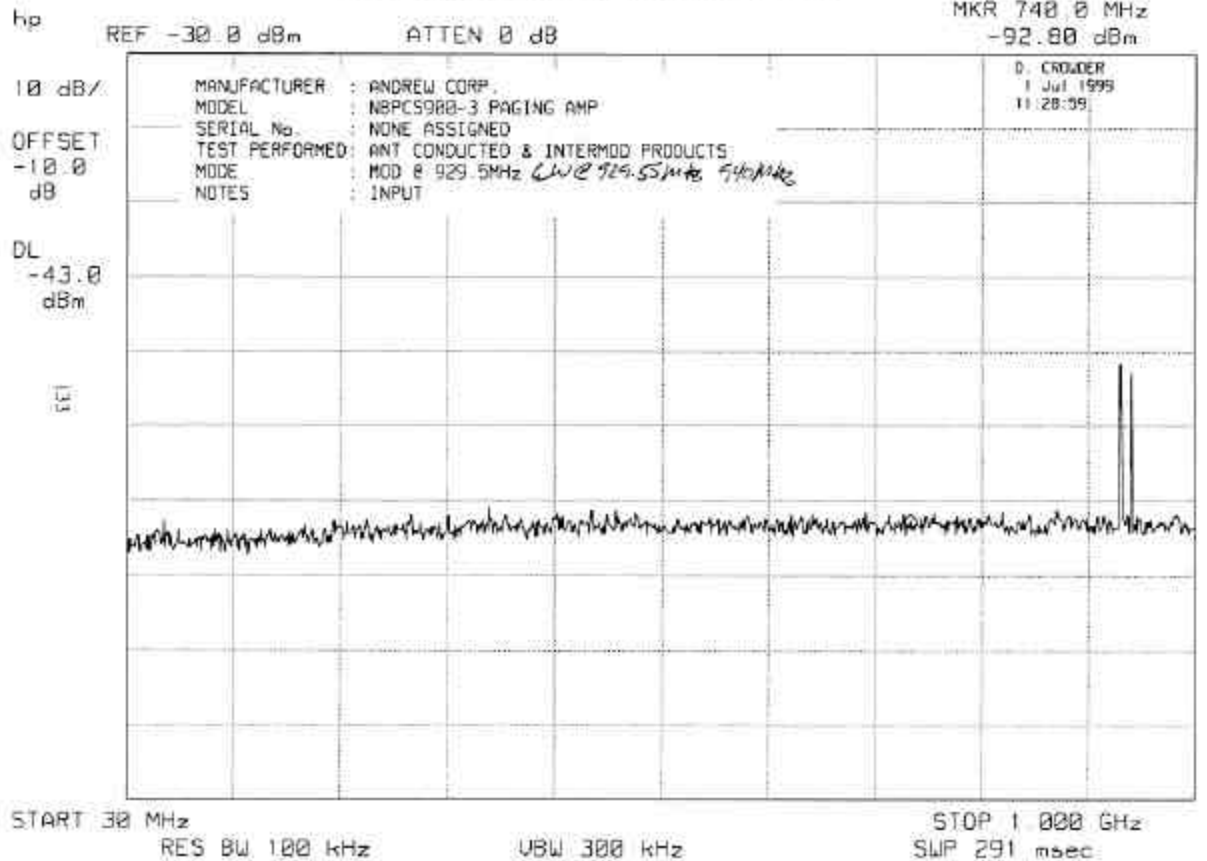
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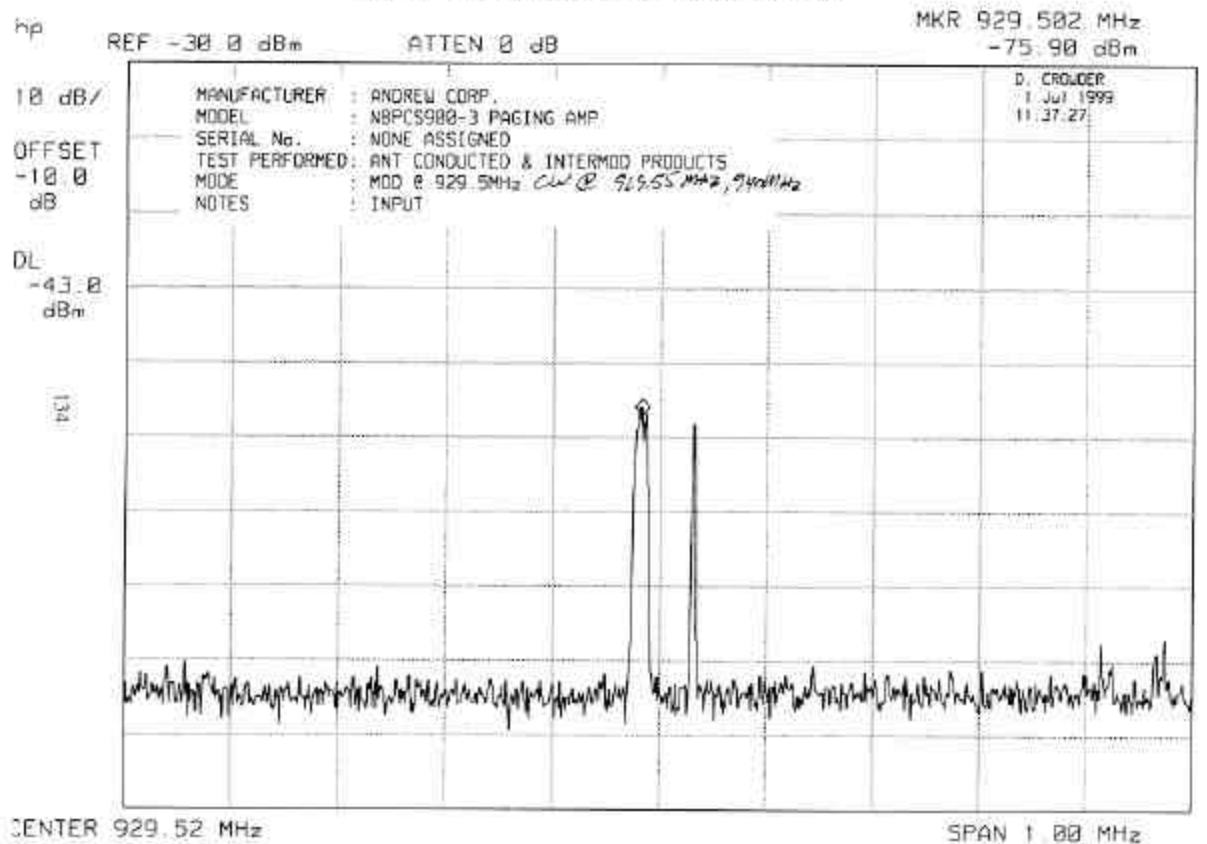
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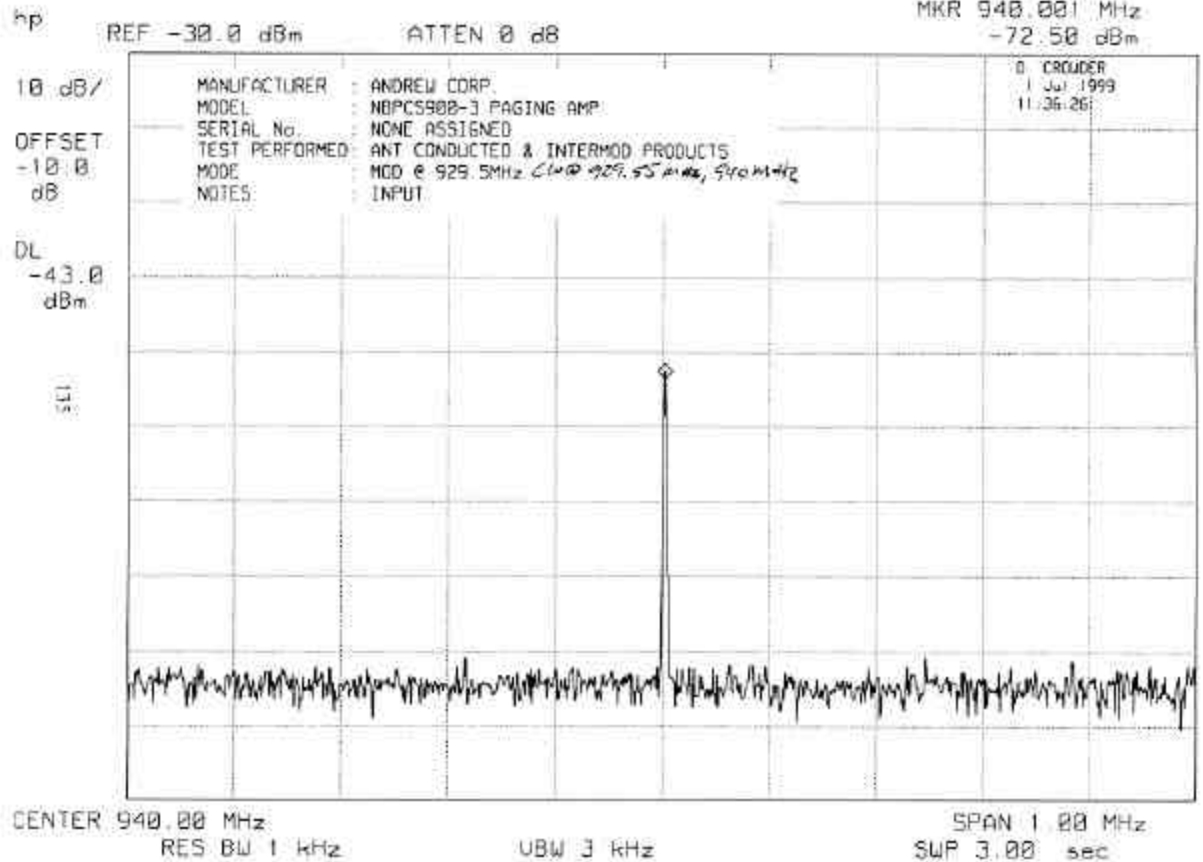
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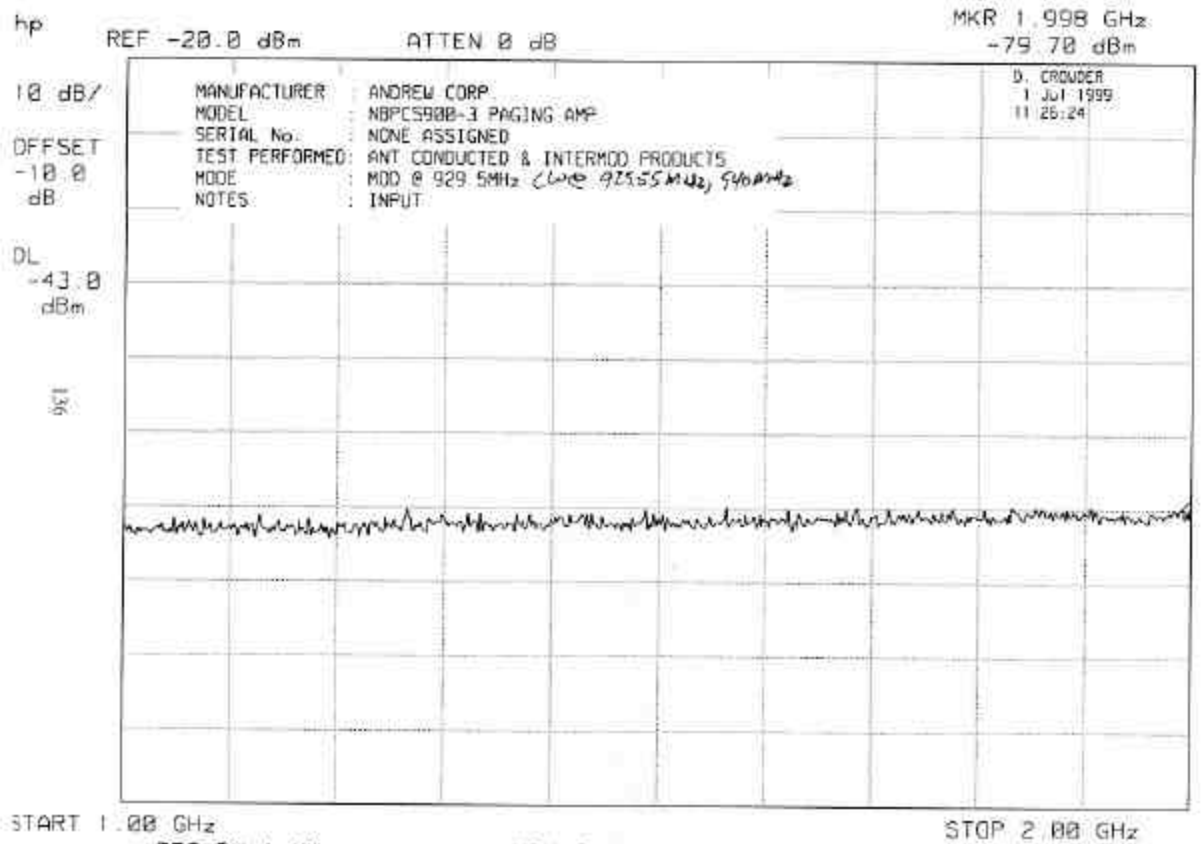
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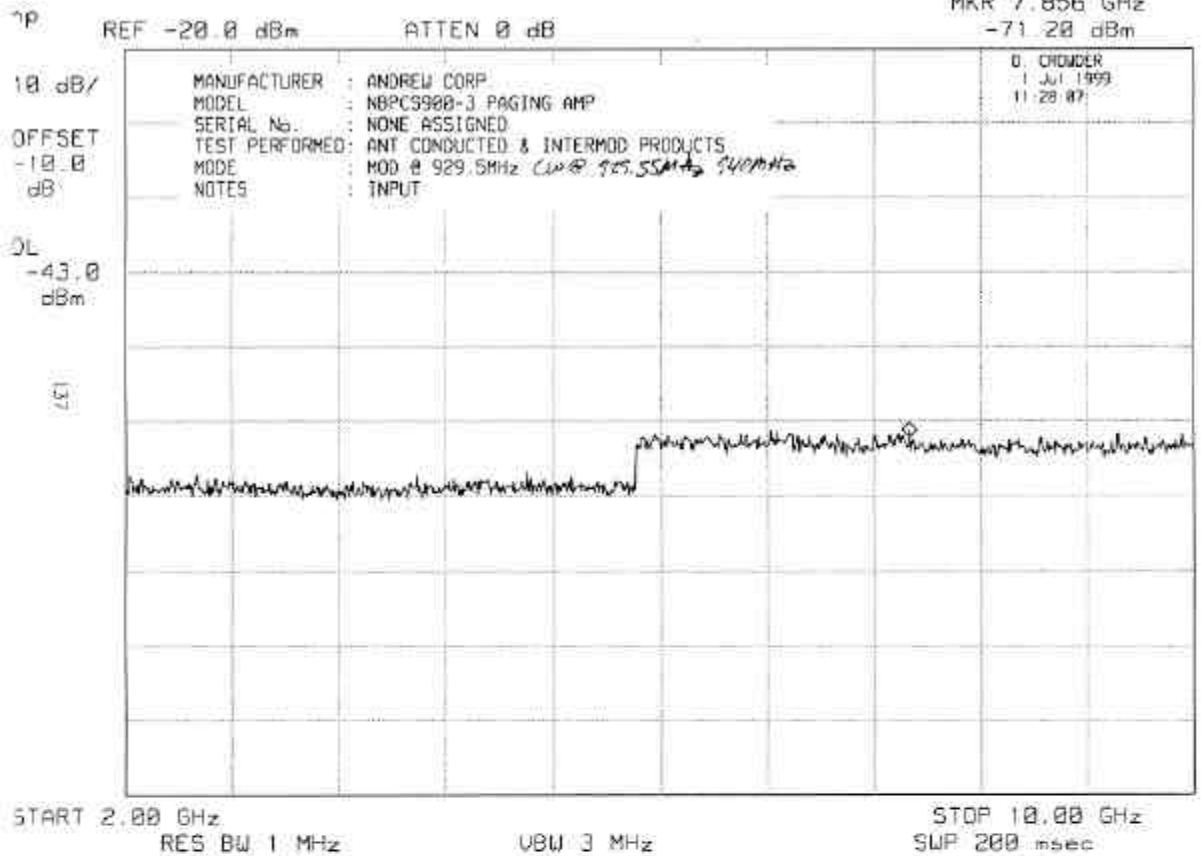
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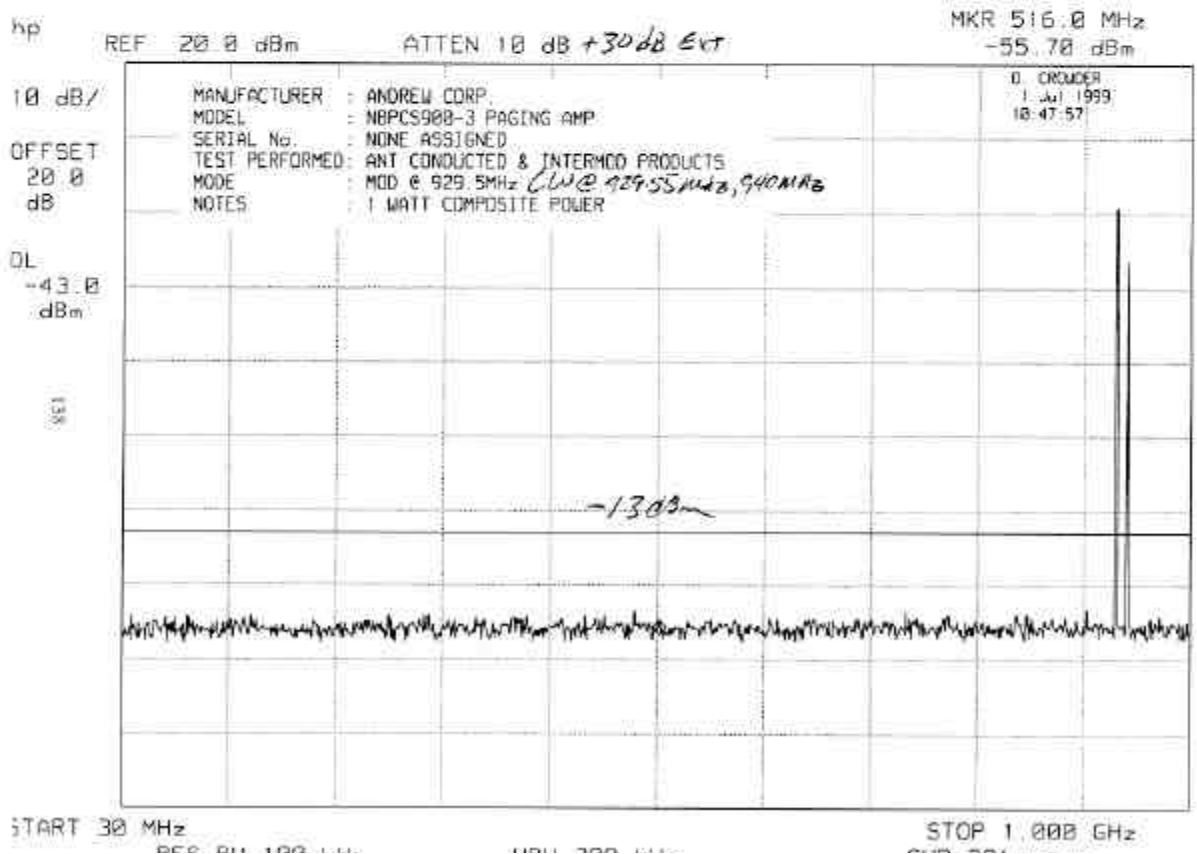
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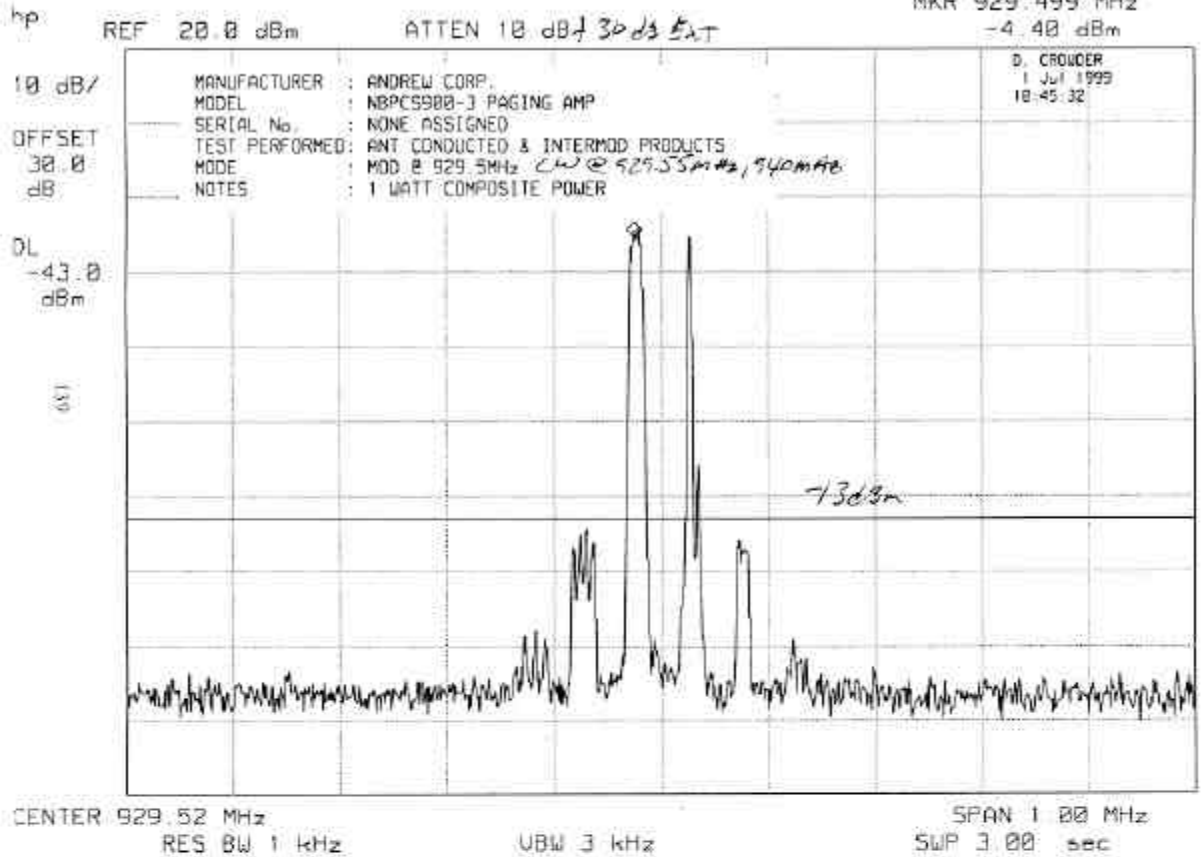
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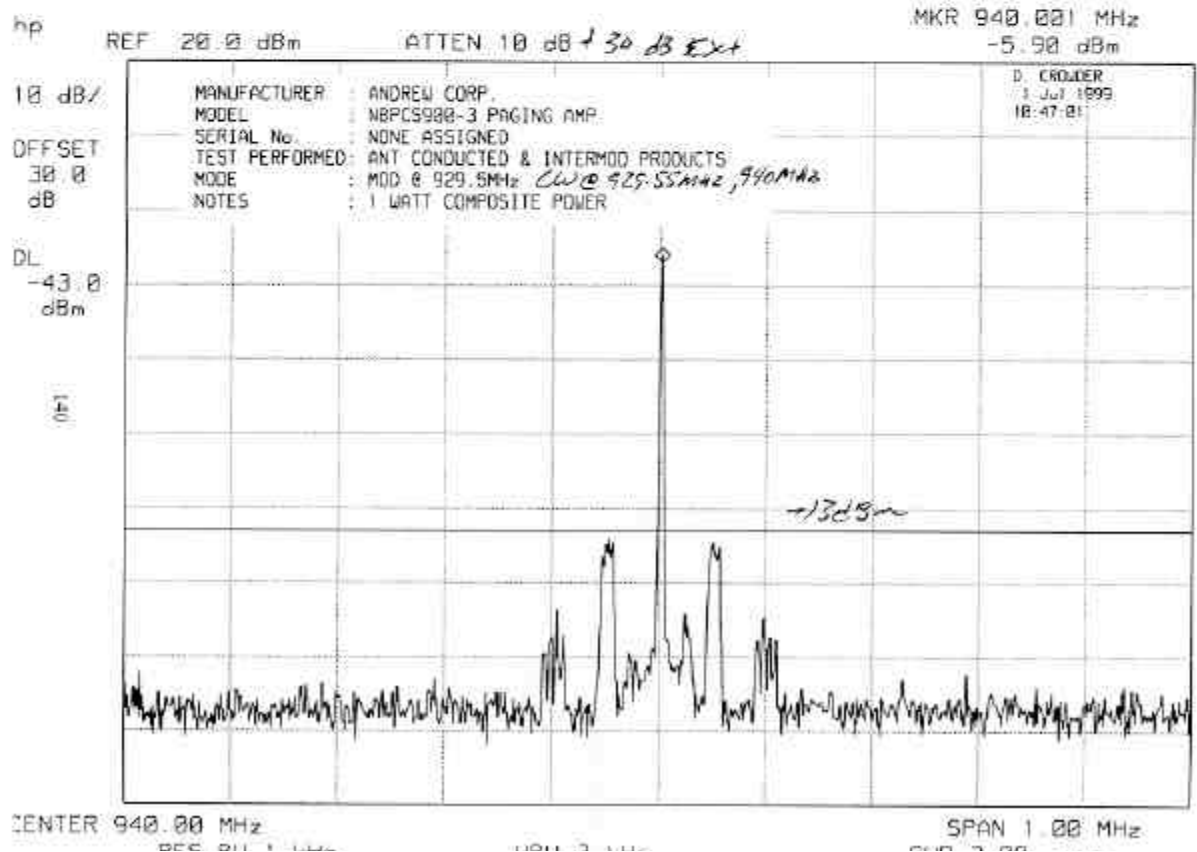
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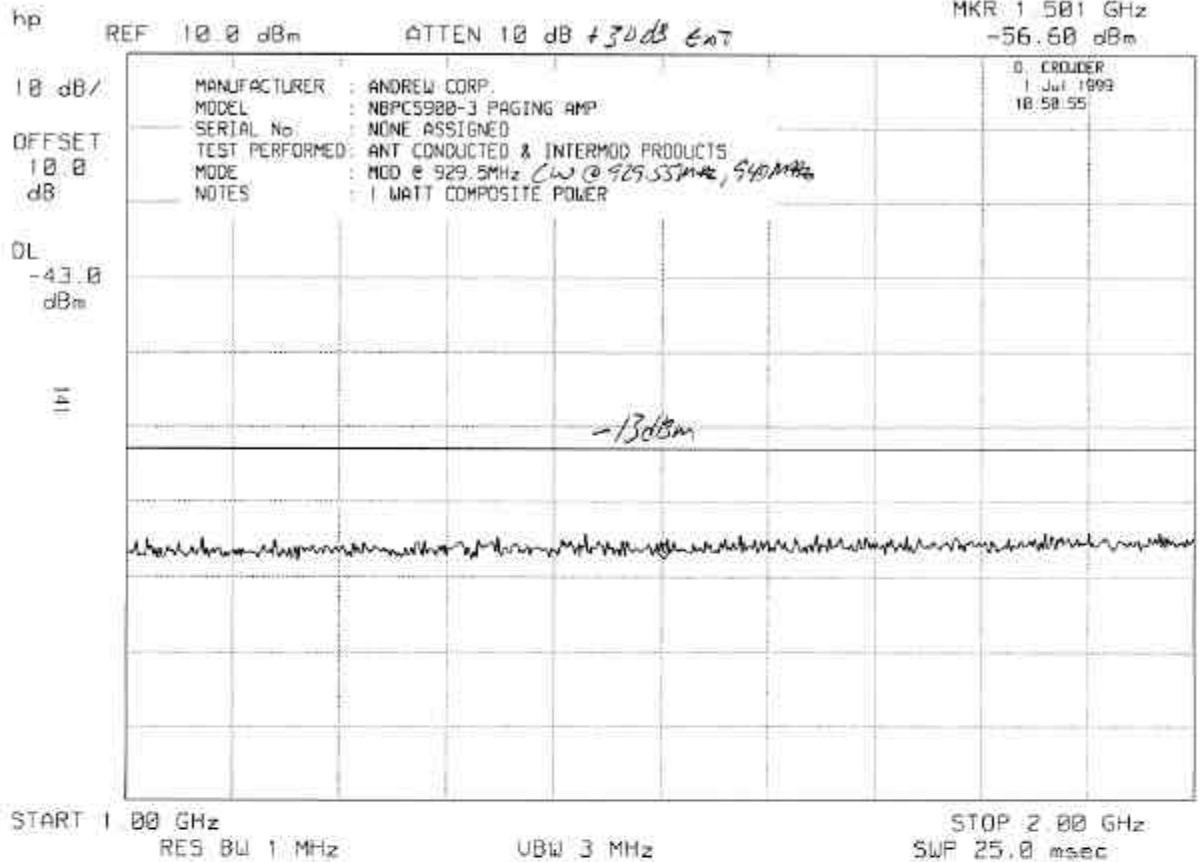
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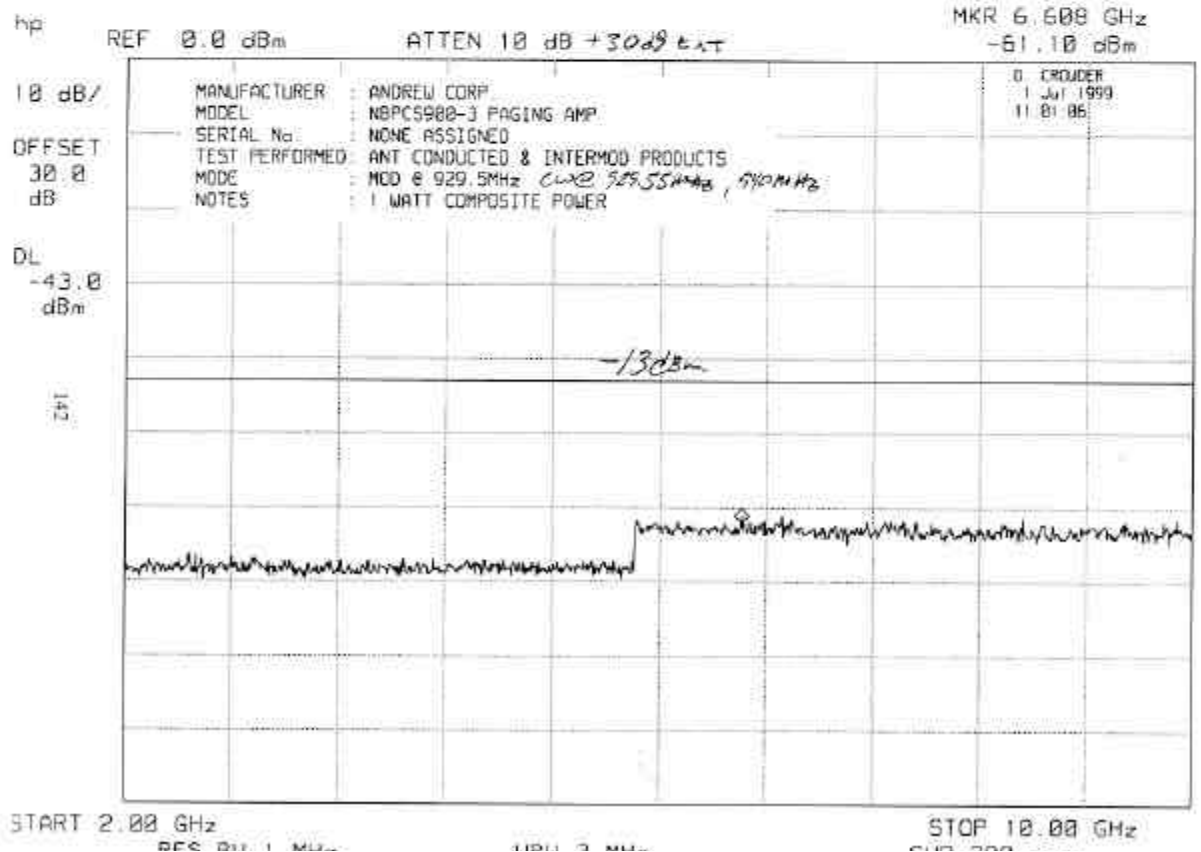
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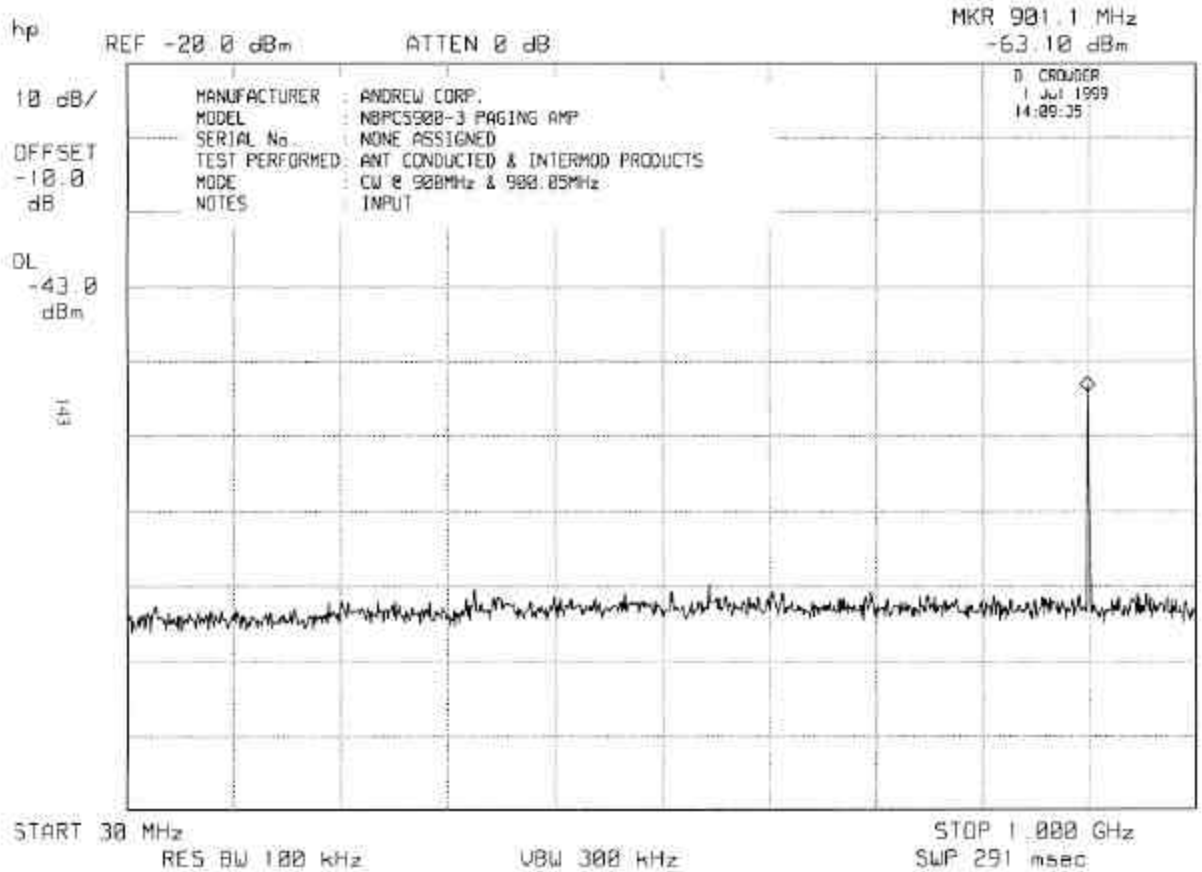
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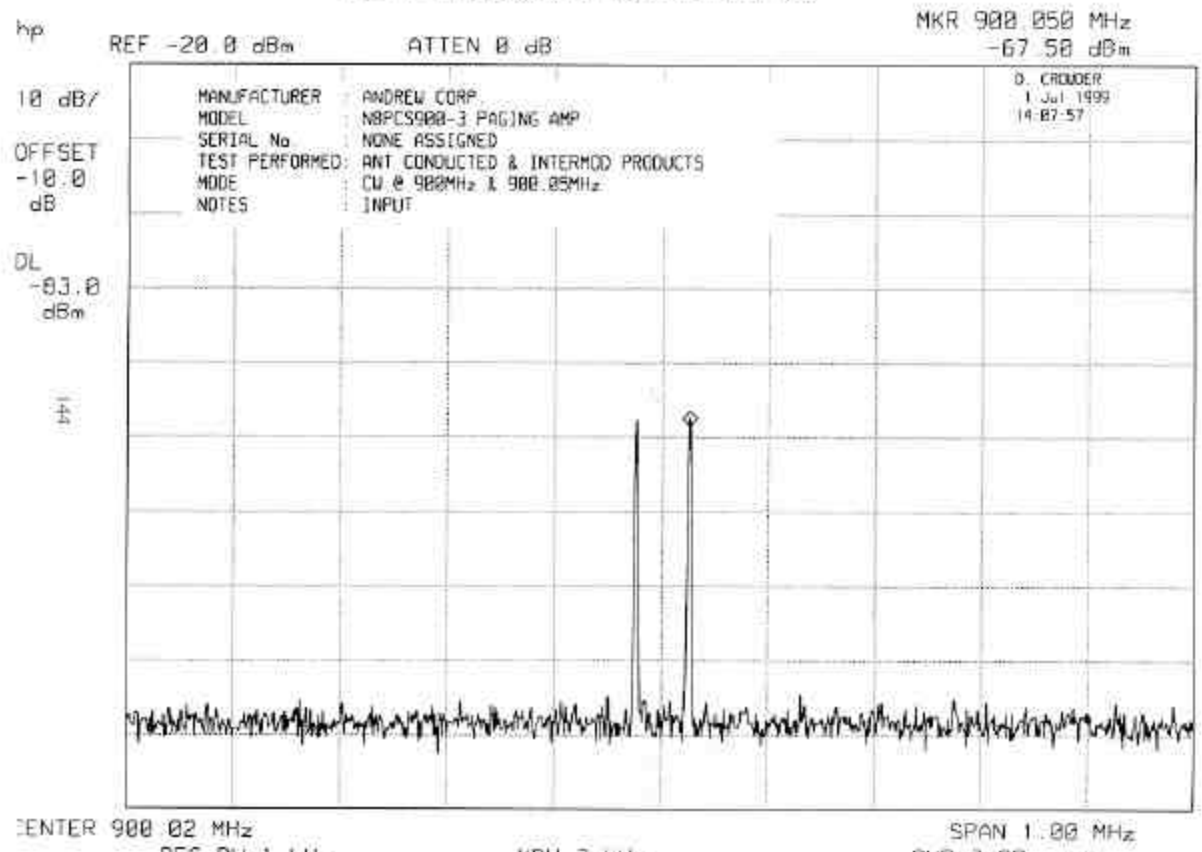
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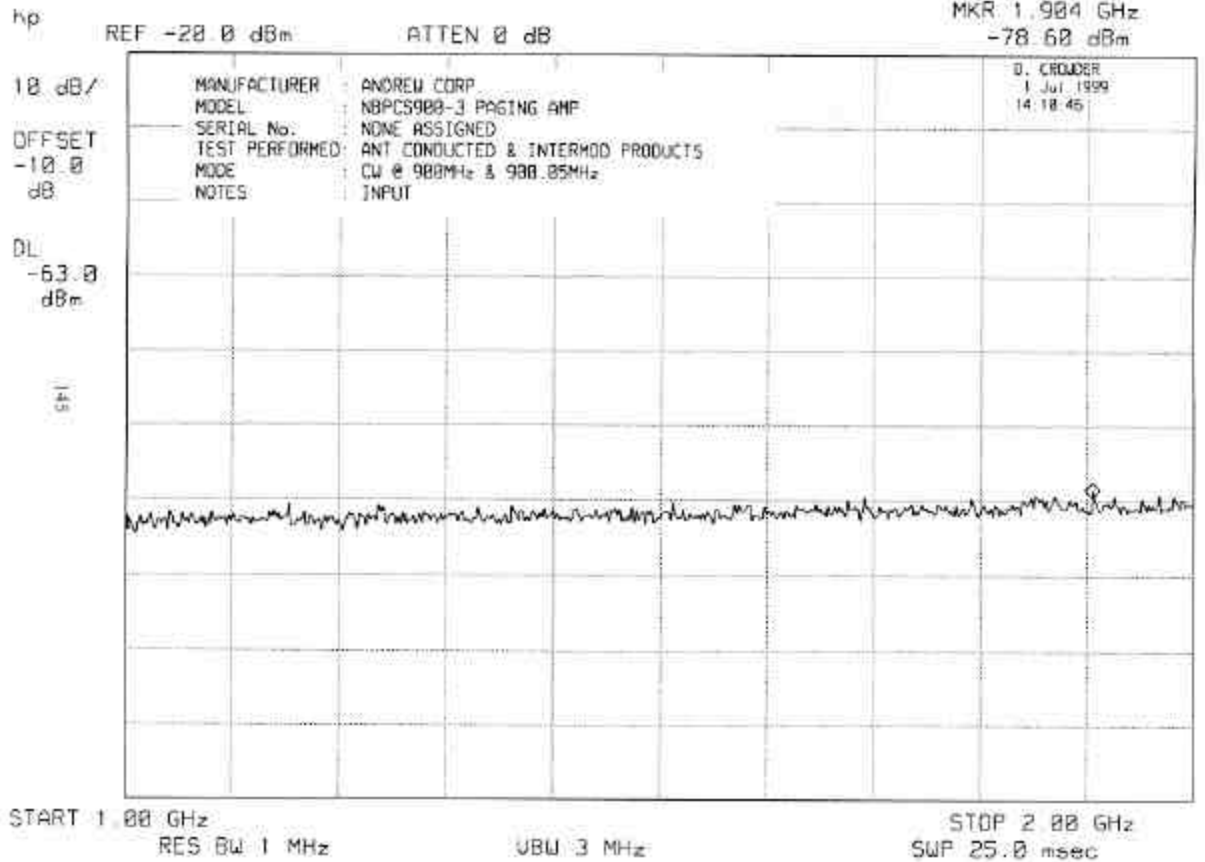
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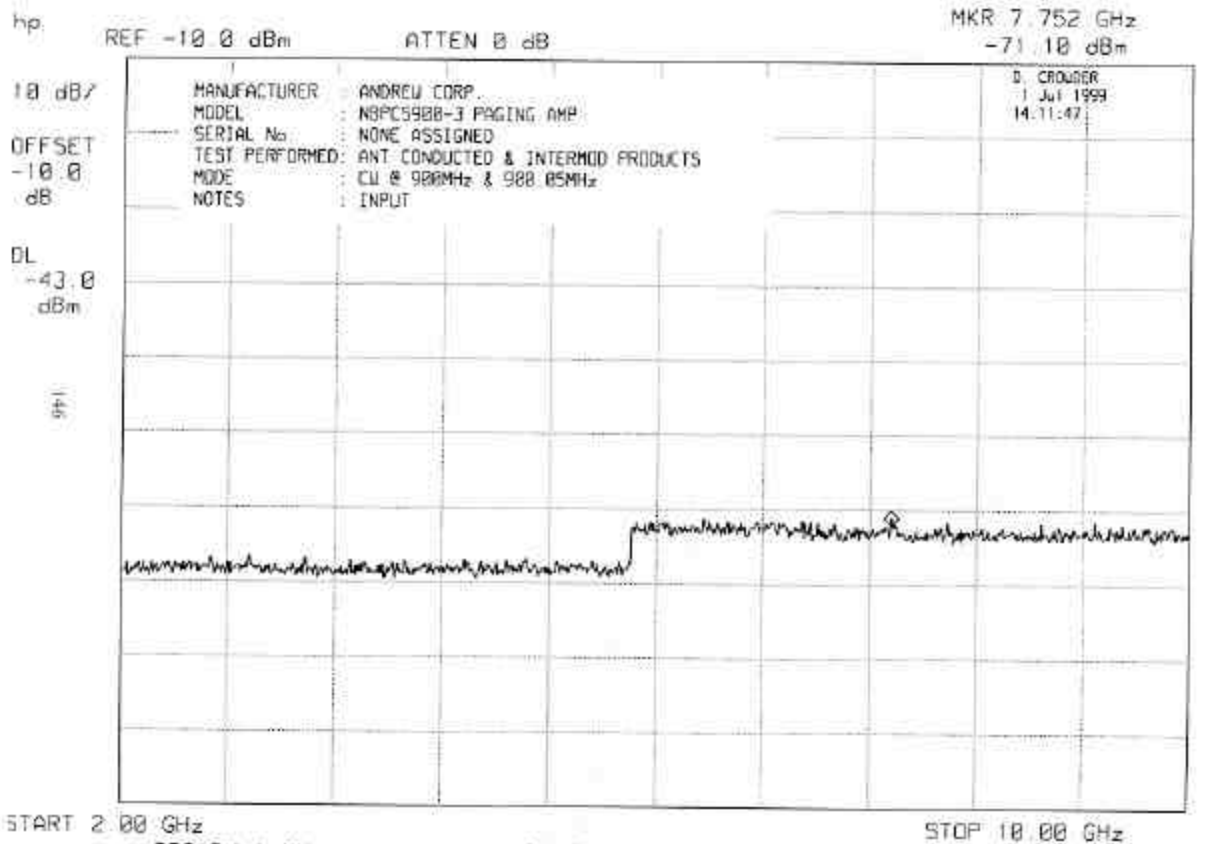
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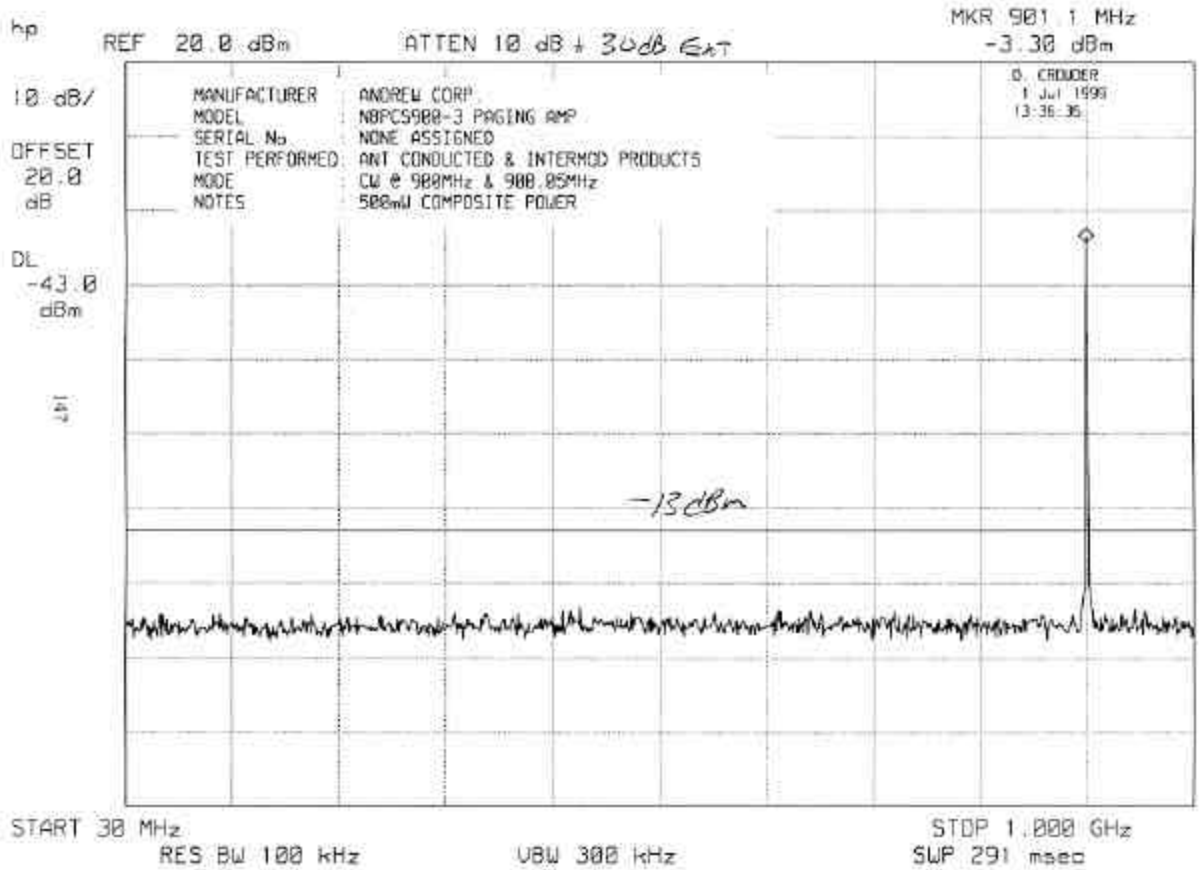
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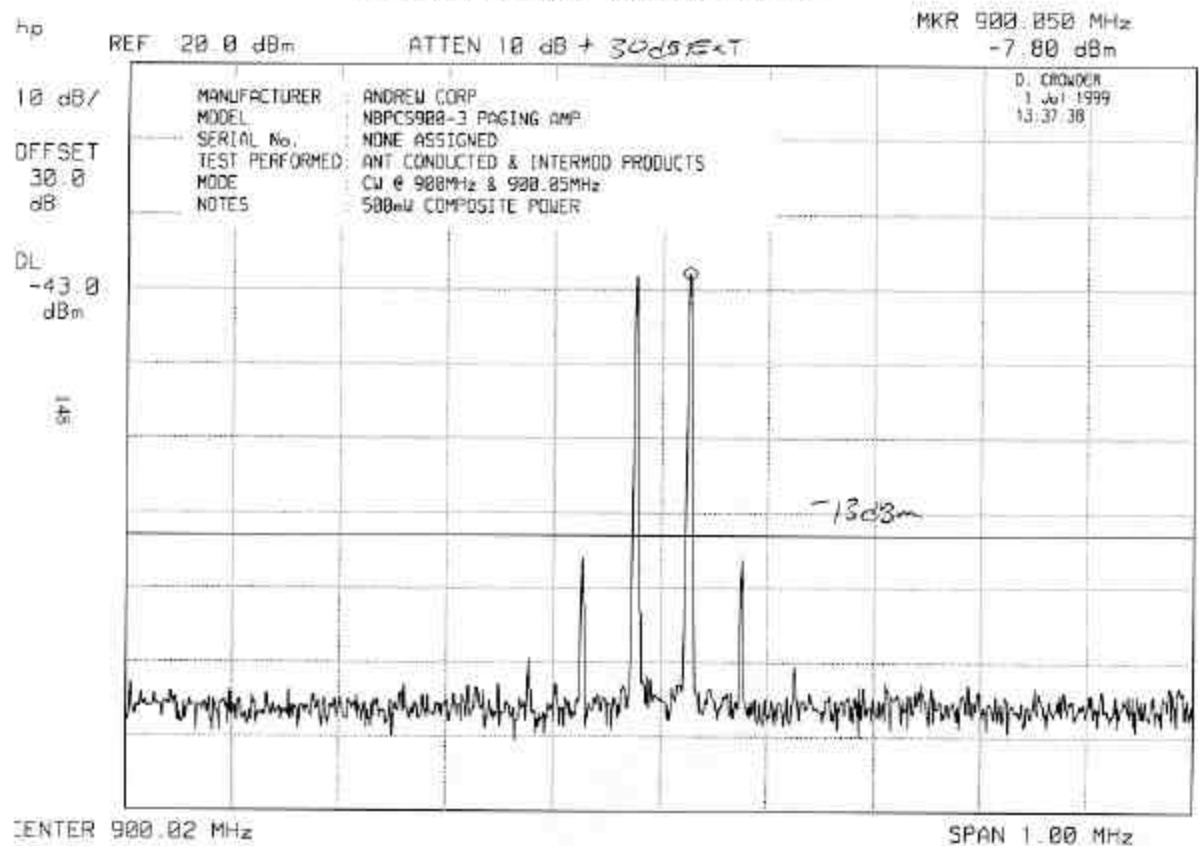
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DATA SHEET

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DATA SHEET