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

Please upload to exhibit # 6
Bill Inglis
X3042

FACSIMILE MESSAGE

DATE: 11-30-99 # of pages, (including Cover): 10

TO: Bill Inglis FAX #: 301 344-2050

@: FCC REF: Corresp. Ref # 10363

FROM: Bryan Broaddus 731 Conf. # EA95199

TPL Communications BBDL-1AB-H

: **Frequency range and Rule changes**
: 10/26/99 8:03:48 AM Pacific Standard Time
n: oetech@fccsun07w.fcc.gov (OET)
bryan@dnbenginc.com

Bryan Broaddus, DNB Engineering, Inc.
n: Bill Inglis
binglis@fcc.gov
FCC Application Processing Branch

FCC ID BBD6-1AB-H
licant: TPL Communications Inc
respondence Reference Number: 10363
Confirmation Number: EA95199
e of Original E-Mail: 10/26/1999

FCC Letter

e frequency range you have requested is 450 -520MHz. We are unable to find available frequencies above 512MHz. Please ise your range or specify the specific radio service in which you intend operation of this amplifier.

ease submit an input occupied bandwidth,OBW,and conducted spurious, and an output OBW and conducted spurious mparison for each Rule part requested.

ease confirm that the amplifier is intended for single channel use or submit 3 signal intermodulation measurement data.

1: There is no longer a type acceptance program. The Rule Parts which you referenced in your report no longer exist.

e items indicated above must be submitted before processing can continue on the above referenced application. Failure to ovide the requested information within 60 days of the original e-mail date may result in application dismissal pursuant to ection 2.917 (c) and forfeiture of the filing fee pursuant to section 1.1108.

O NOT reply to this e-mail by using the Reply button. In order for your response to be processed expeditiously, you must oload your response via the Internet at www.fcc.gov, Electronic Filing, OET Equipment Authorization Electronic Filing. If the sponse is submitted through Add Attachments, in order to expedite processing, a message which informs the processing staff at a new exhibit has been submitted must also be submitted via Submit Correspondence. Also, please note that partial esponses increase processing time and should not be submitted.

ny questions about the content of this correspondence should be directed to the e-mail address listed below the name of the ender.

Headers

Return-Path: <dnbriv@www25.web2010.com>
Received: from rly-zb04.mx.aol.com (rly-zb04.mail.aol.com [172.31.41.4]) by air-zb02.mail.aol.com (v62.10) with ESMTP; Tue, 26 Oct 1999 12:03:47 -0400
Received: from www25.web2010.com (www25.web2010.com [216.157.23.254]) by rly-zb04.mx.aol.com (v62.10) with ESMTP; Tue, 26 Oct 1999 12:03:37 -0400
Received: by www25.web2010.com (8.9.3/8.9.0) id MAA25268
for SSFA7568@aol.com; Tue, 26 Oct 1999 12:02:59 -0400 (EDT)
Received: from gatekeeper.fcc.gov (firewall-user@gatekeeper.fcc.gov [192.104.54.1])
by www25.web2010.com (8.9.3/8.9.0) with ESMTP id MAA25265
for <bryan@dnbenginc.com>; Tue, 26 Oct 1999 12:02:58 -0400 (EDT)
Received: by gatekeeper.fcc.gov, id MAA13945; Tue, 26 Oct 1999 12:03:23 -0400 (EDT)
Received: from fccsun07w.fcc.gov(165.135.80.56) by gatekeeper.fcc.gov via smap (4.1)
id xma013434; Tue, 26 Oct 99 12:02:58 -0400
Received: by fccsun07w.fcc.gov (SMI-8.6/SMI-SVR4)
id MAA08617; Tue, 26 Oct 1999 12:03:07 -0400

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

November 18, 1999

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

RE: Reference Number : 10363
731 Confirmation #: EA95199
FCC ID: BBD6-1AB-H

Dear Mr. Inglis:

We have included a proposed label for your review. For this application we will limit the upper frequency to 512 MHz.

Additional OBW and Conducted Spurious plots are attached for your review.

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

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

Sincerely,

Bryan C. Broaddus
V.P., Operations

Revised Page 2

TION IV - Enter FCC ID from Page 1, Section I ▶ BBD6-1AB-H

1) Instead of Applicant, FCC is authorized to mail original Grant to: *(See Instructions)*

Firm name, number, street, City, State/Country, ZIP/Postal Code: DNB ENGINEERING, INC.
3535 W. Commonwealth Avenue
Fullerton, CA USA
92833

Name, Title and Mail Stop, if any, of person at above address to receive Grant: *(If 1.(a) is completed, this item must be completed)*
Bryan C. Broaddus, Vice President, Operations

Technical contact: Firm name, contact person, number, street, City, State/Country, ZIP/Postal Code:
DNB ENGINEERING, INC.
Bryan C. Broaddus
3535 W. Commonwealth Avenue
Fullerton, CA USA
92833

(b) Telephone No. *(Area/Country/City code, No. and Ext.)*: (714) 870-7781

(c) FAX No. *(Area/Country/City code and No.)*: (714) 870-5081

Internet e-mail address:

Non-Technical contact: Firm name, contact person, number, street, City, State/Country, ZIP/Postal Code: N/A

(f) Telephone No. *(Area/Country/City code, No. and Ext.)*:

(g) FAX No. *(Area/Country/City code and No.)*:

Internet e-mail address:

Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR §0.459 of the Commission's Rules? *If "Yes" see instructions.* ☐ Yes ☒ No

Does the applicant request that the Commission defer grant of this application pursuant to 47 CFR §0.457(d)(1)(ii)? *(See Instructions)* ☐ Yes ☒ No

Type of equipment authorization requested: (check one box only) ☒ Certification ☐ Type Acceptance ☐ Notification

5) Equipment Code and description: *(See Instructions, page 4)* T N B Non Broadcast Station Trans

(b) Equipment will be operated under FCC Rule Part(s): Part 22 & Part 90

Application is for: (Check one box only)

☒ 1. Original equipment *(See Instructions)*

☐ 2. Change in identification of presently authorized equipment
ORIGINAL FCC ID | Grant date

☐ 3. Class II permissive change or modification of presently authorized equipment *(See Instructions)*

EQUIPMENT SPECIFICATIONS: *(See Instructions)*

(a) Frequency range in MHz	(b) Rated RF power output in watts	(c) Frequency tolerance %, Hz, ppm	(d) Emission designator (See 47 CFR §2.201 and §2.202)	(e) Microprocessor model number
450 - 512 MHz	45	N/A	F3E	N/A

Is the equipment in this application:

(a) a composite device subject to more than one type of equipment authorization? ☐ Yes ☒ No

(b) part of a system that operates with, or is marketed with, another device that requires an equipment authorization? ☐ Yes ☒ No

If either of the above questions is answered "Yes" complete items 10.(a) and (b). *(See Instructions)*

2.983(f) FCC ID: Label

RF POWER AMPLIFIER		
MODEL NO.	MODE	FREQ 450 – 512 MHz
VOLTAGE	INPUT PWR	OUTPUT PWR
FCC ID: BBD6-1AB-H	SERIAL NO.	

NOTES:
Label will be constructed of 0.02 inch aluminum as shown on the equipment with permanent adhesive.

All information on the label will be etched or stamped. Both methods will exceed the expected lifetime of the equipment.

The label will be large enough to allow all information to be legible.

2.983(d) Technical Description

See the Service Manual Included in Appendix B herein for the complete description.

2.983(d)(1) Type(s) of Emissions

F3E

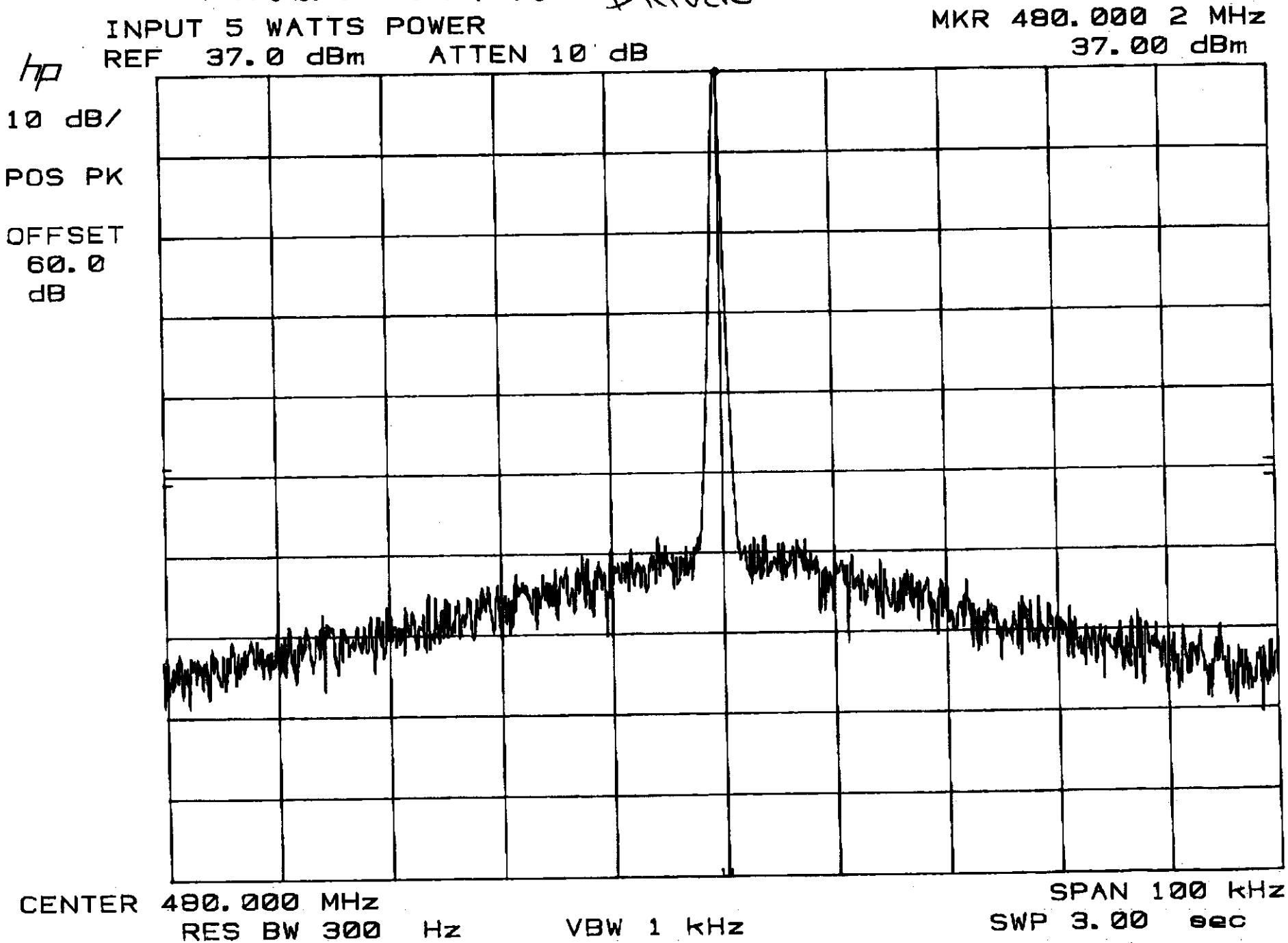
2.983(d)(2) Frequency Range

450 MHz to 512 MHz

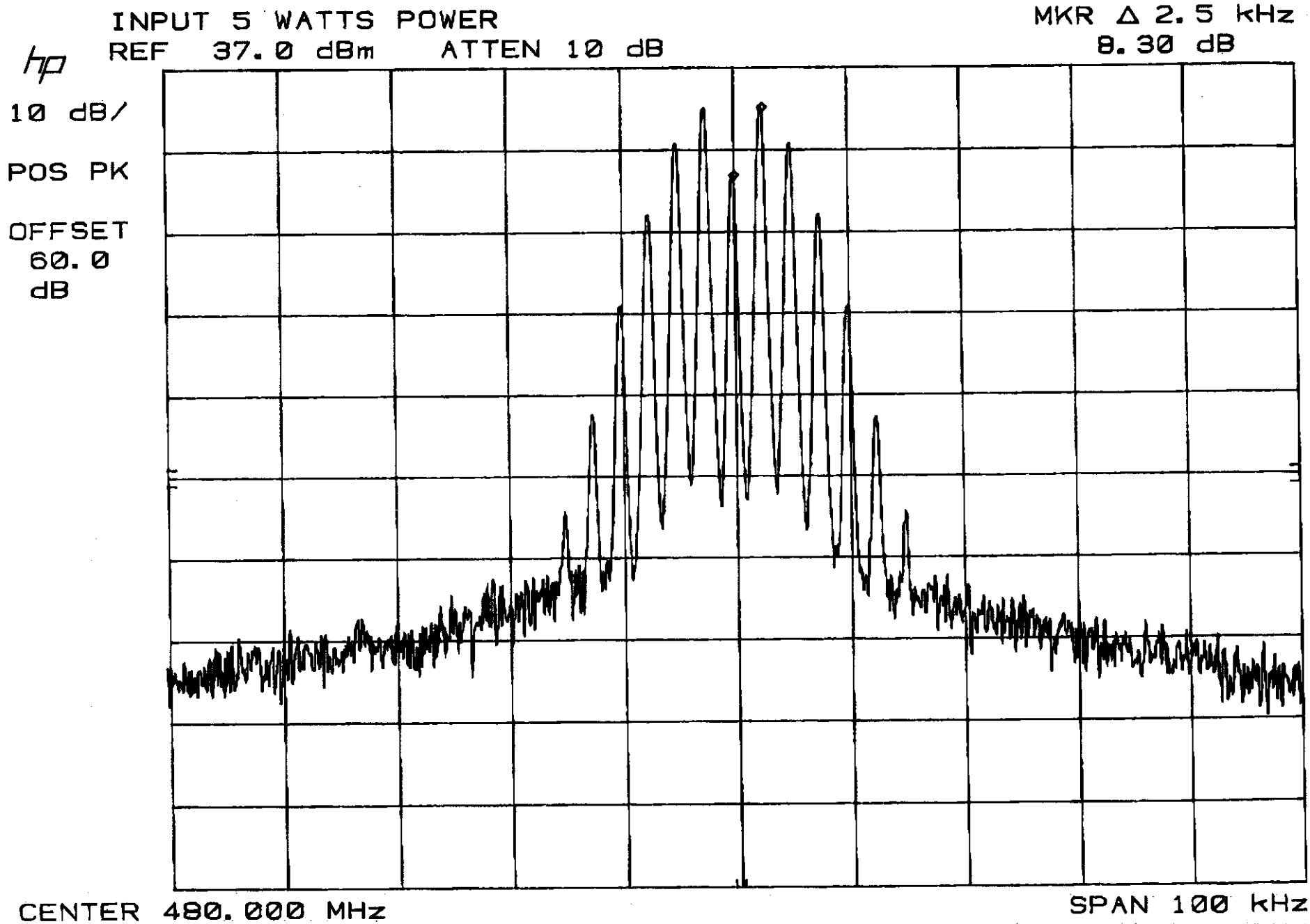
2.983(d)(3) Operating Power Level

45 Watts

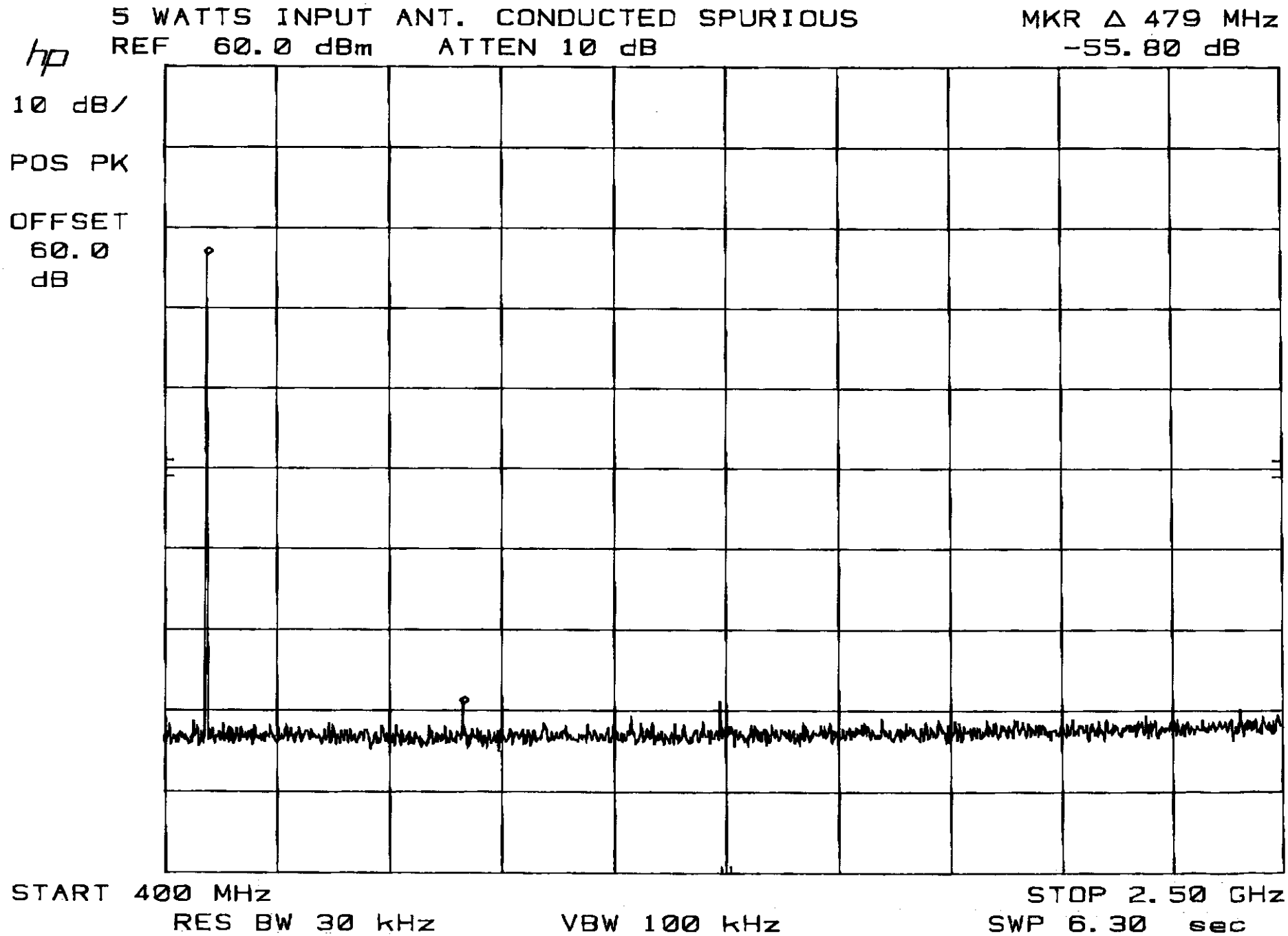
Unmodulated Carrier Driver



Occupied Bandwidth Driver



Antenna Conducted Spurious Driver



Antenna Conducted Spurious Driver

5 WATTS INPUT ANT. CONDUCTED SPURIOUS