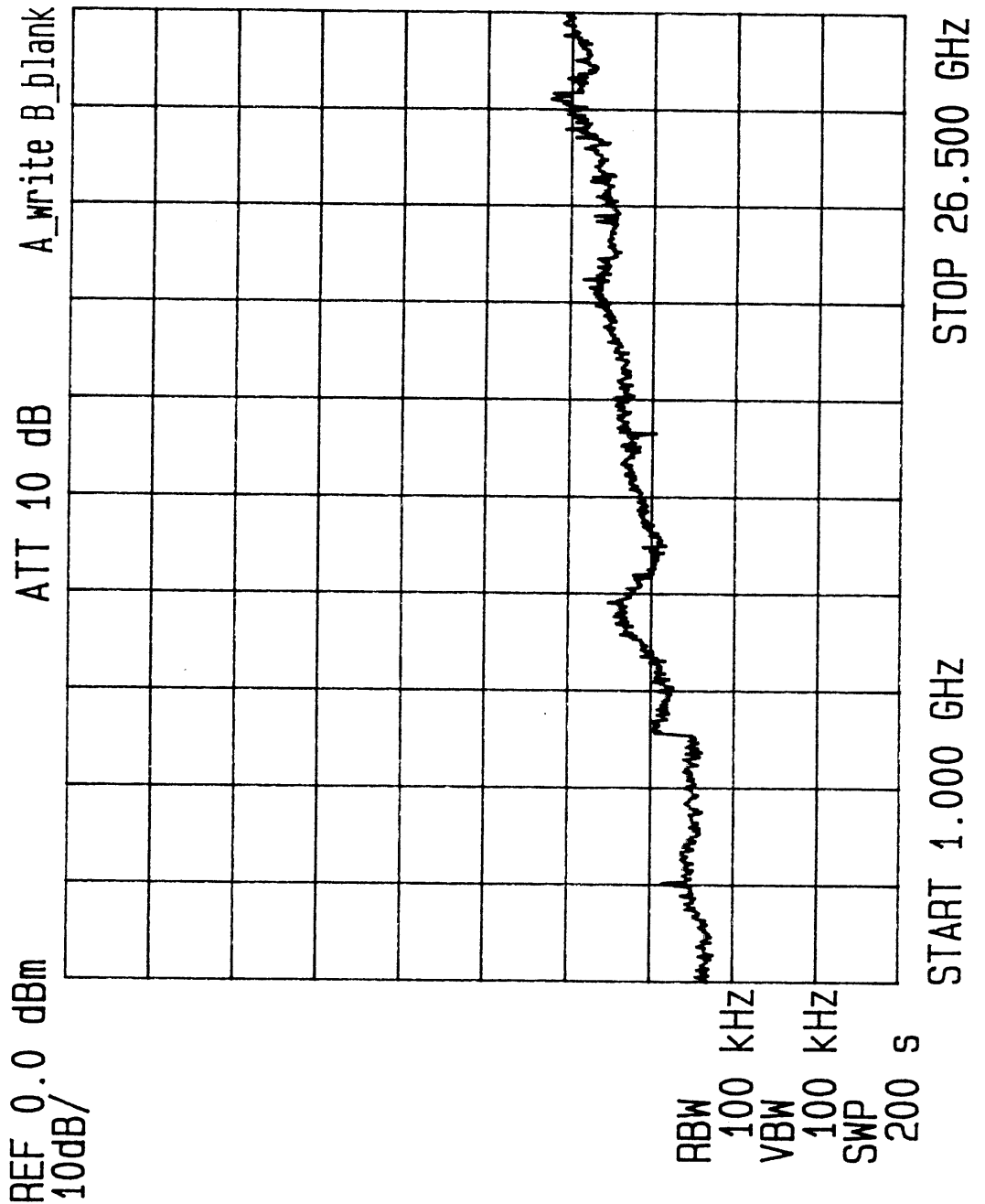




TEST: SPURIOUS EM. CON. EUT: Intersil PRISM II S/N: 9936-0027  
 FREQ: 1GHz-25GHz SPEC: 15.247 (C) (1) ANT.HT/POL:  
 DETECT: PEAK (RECEIVE) LINE UNDER TEST: 2.437G (1 Mbps) EUT POSITION:  
 DATE: 10-1-98 TEST SITE: ROOM 1 TESTER: *AB*

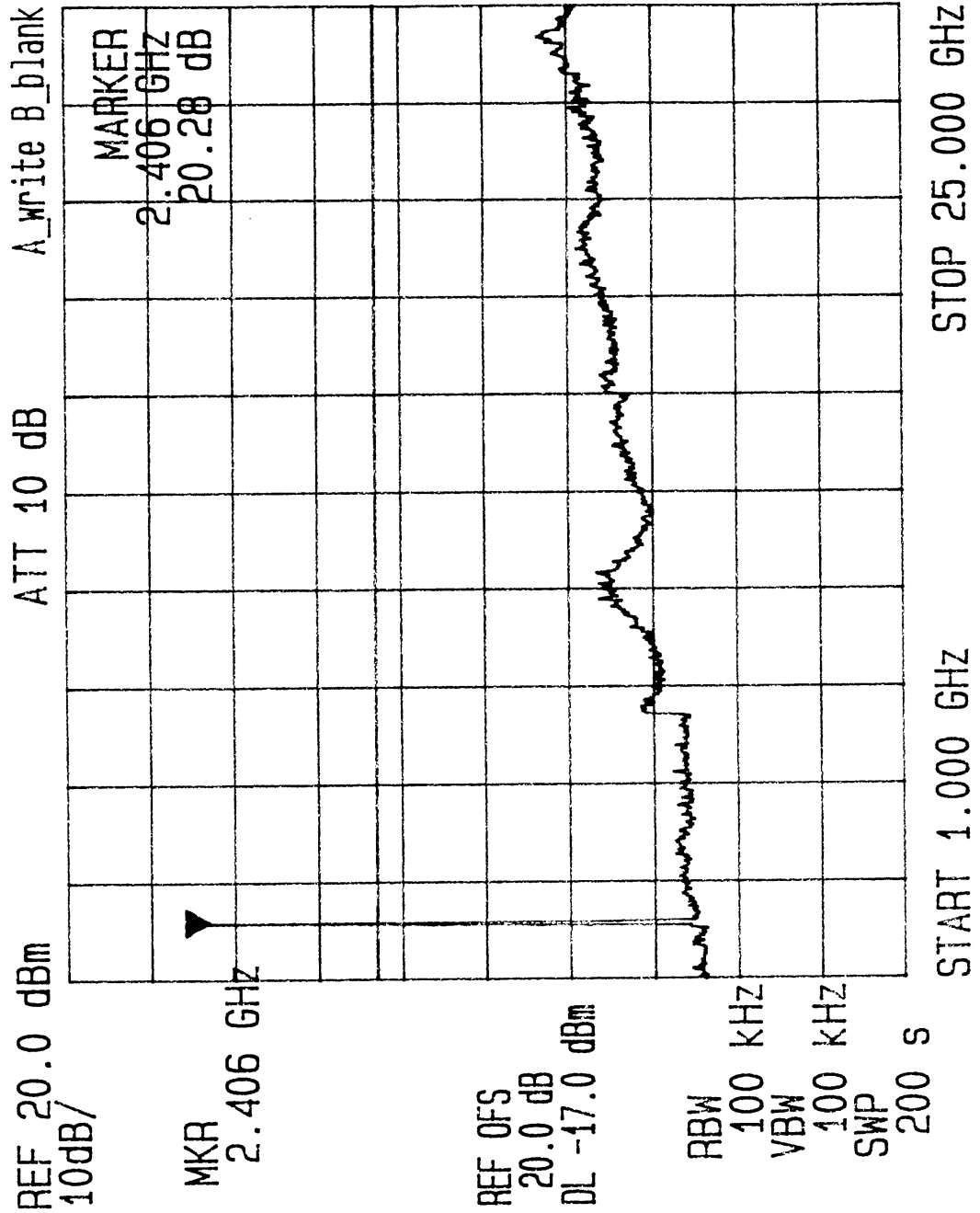


DATA SHEET 6.4.3-4



TEST: SPURIOUS EM. CON. EUT: Intersil PRISM II S/N: 9936-0027  
FREQ: 1GHz-25GHz SPEC: 15.247 (C) (1) ANT.HT/POL: —  
DETECT: PEAK (TRANSMIT) LINE UNDER TEST: 2.462G (1 Mbps) EUT POSITION: —  
DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: AB

JA-1652

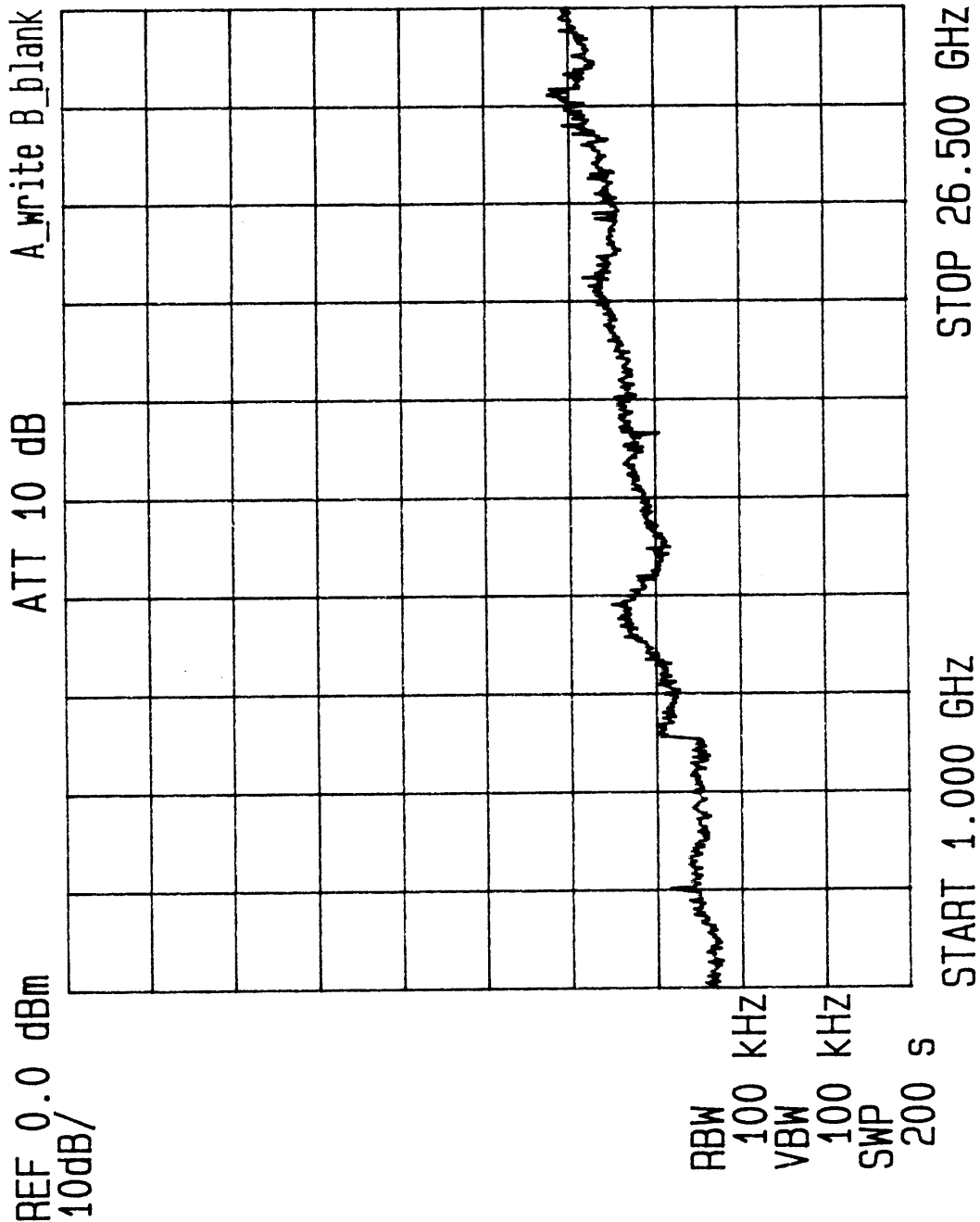


DATA SHEET 6.4.3-5



TEST: SPURIOUS EM. CON. EUT: Intersil PRISM II S/N: 9936-0027  
FREQ: 1GHz-25GHz SPEC: 15.247 (C) (1) ANT.HT/POL:  
DETECT: PEAK (RECEIVE) LINE UNDER TEST: 2.462G (1 Mbps) EUT POSITION:  
DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: *APB*

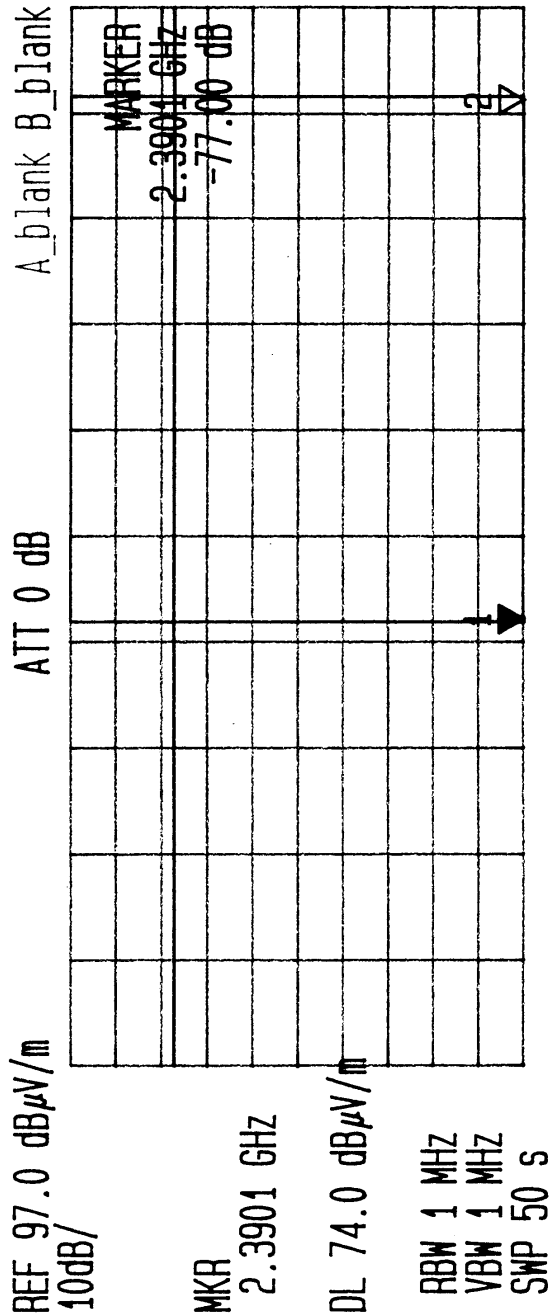
JA-1652



DATA SHEET 6.4.3-6



TEST: RESTRICTED BANDS EUT: Intersil PRISM II S/N: 9936-0035  
 REF: 2.31G-2.50GHz SPEC: 15.247 ANT.HT/POL: — H  
 DETECT: PEAK LINE UNDER TEST: (11Mbps) EUT POSITION: —  
 DATE: 9-27-99 TEST SITE: 3-METER TESTER: *(Signature)*

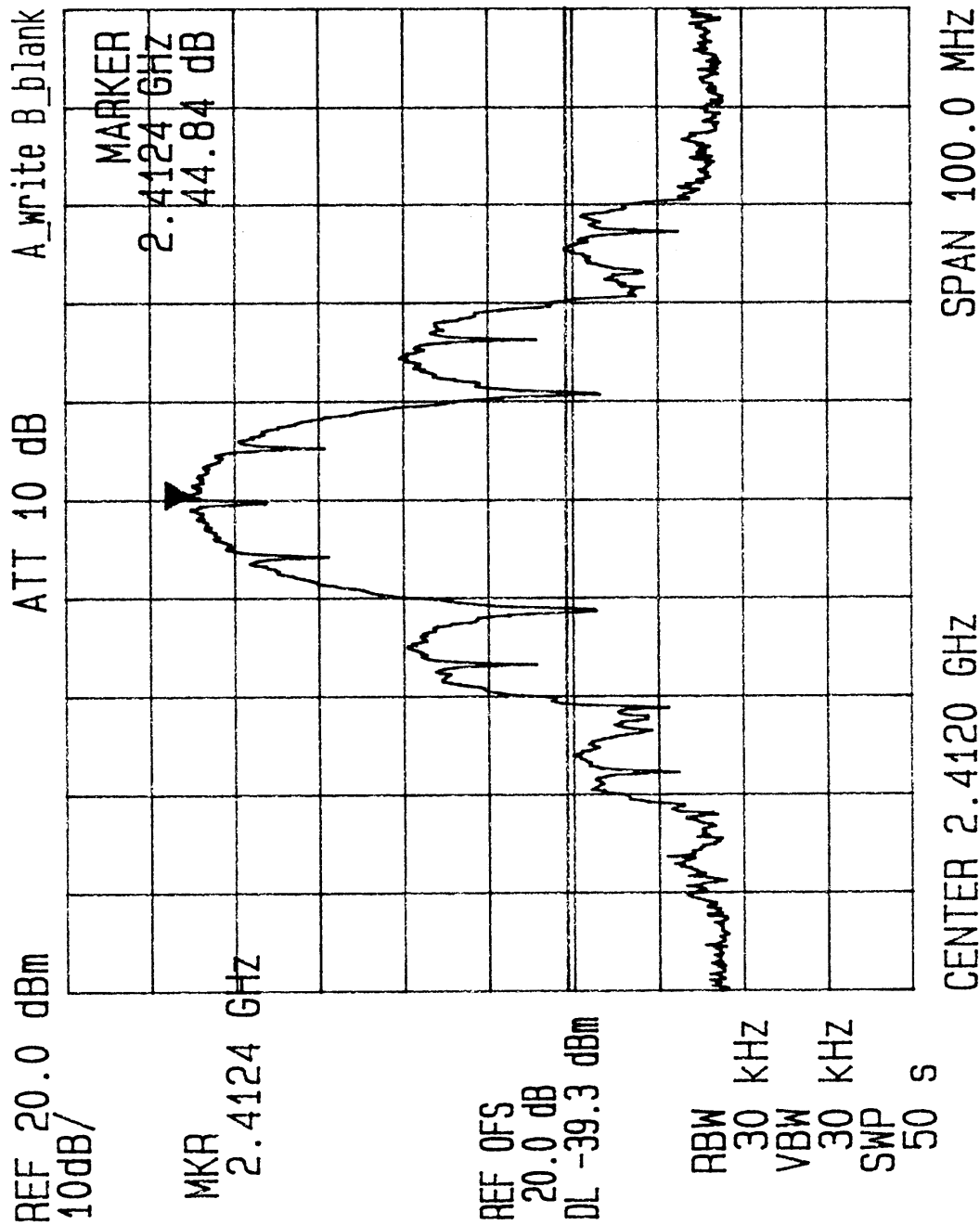


\*\*\* Multi Marker List \*\*\*  
 2.3901 GHz -77.00 dB  
 2.4834 GHz -77.00 dB

No.1:  
 No.2:  
 No.3:  
 No.4:  
 No.5:  
 No.6:  
 No.7:  
 No.8:  
 Δ:



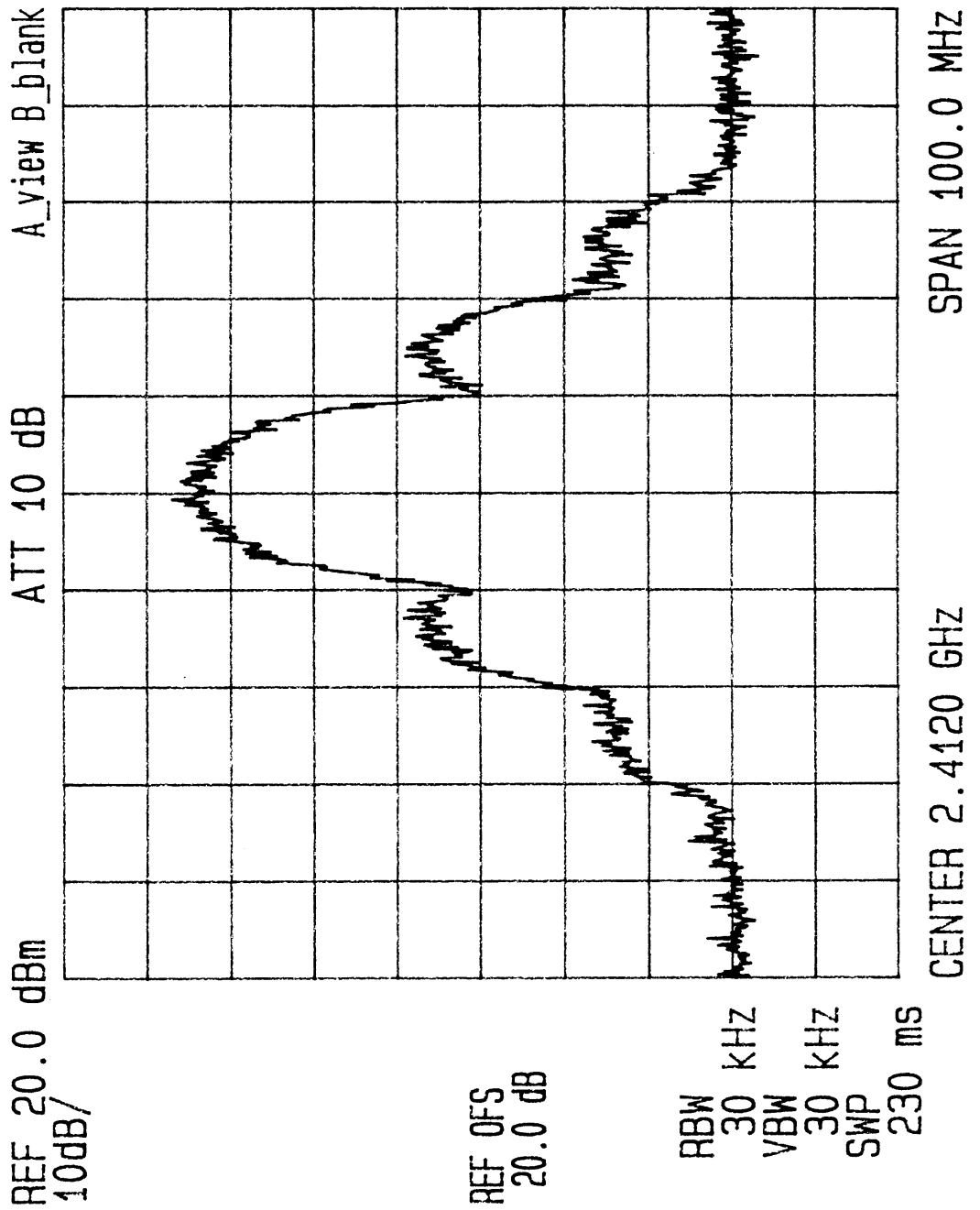
TEST: MODULATION EM. EUT: Intersil PRISM II S/N: 9936-0027  
 FREQ: 2.412 GHz SPEC: 15.247 (b) ANT.HT/POL: —  
 DETECT: PEAK LINE UNDER TEST: 2.412GHz (1Mbps) EUT POSITION: —  
 DATE: 10-21-99 TEST SITE: ROOM 1 TESTER: *[Signature]*



DATA SHEET 6.4.3-8



|                      |                                    |                    |
|----------------------|------------------------------------|--------------------|
| TEST: MODULATION EM. | EUT: Intersil PRISM II             | S/N: 9936-0027     |
| FREQ: 2.412 GHz      | SPEC: 15.247 (b)                   | ANT.HT/POL:        |
| DETECT: PEAK         | LINE UNDER TEST: 2.412GHz (11Mbps) | EUT POSITION:      |
| DATE: 10-1-99        | TEST SITE: ROOM 1                  | TESTER: <i>AKB</i> |

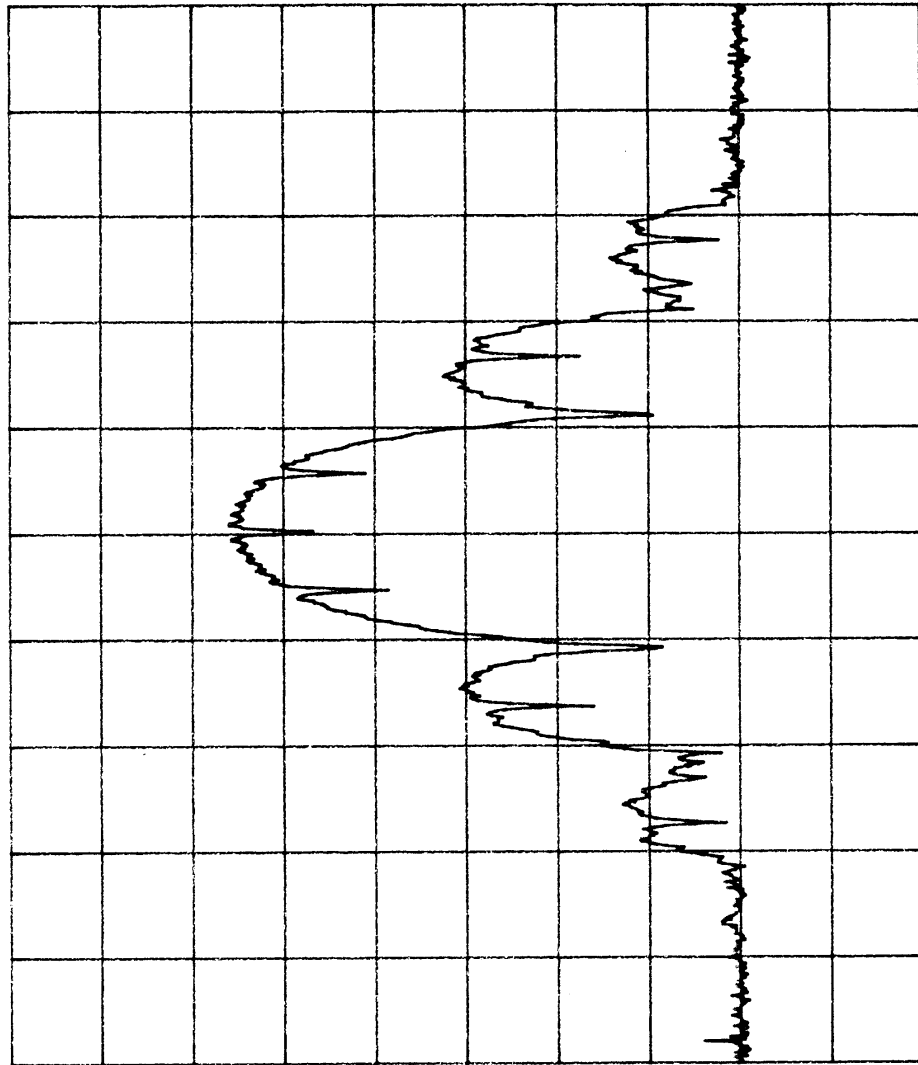


DATA SHEET 6.4.3-9



|                      |                                   |                   |
|----------------------|-----------------------------------|-------------------|
| TEST: MODULATION EM. | EUT: Intersil PRISM II            | S/N: 9936-0027    |
| FREQ: 2.462 GHz      | SPEC: 15.247 (b)                  | ANT.HT/POL:       |
| DETECT: PEAK         | LINE UNDER TEST: 2.462GHz (1Mbps) | EUT POSITION:     |
| DATE: 10-4-99        | TEST SITE: ROOM 1                 | TESTER: <i>AB</i> |

REF 20.0 dBm      ATT 10 dB      A\_write B\_blank  
10dB/



REF OFS  
20.0 dB

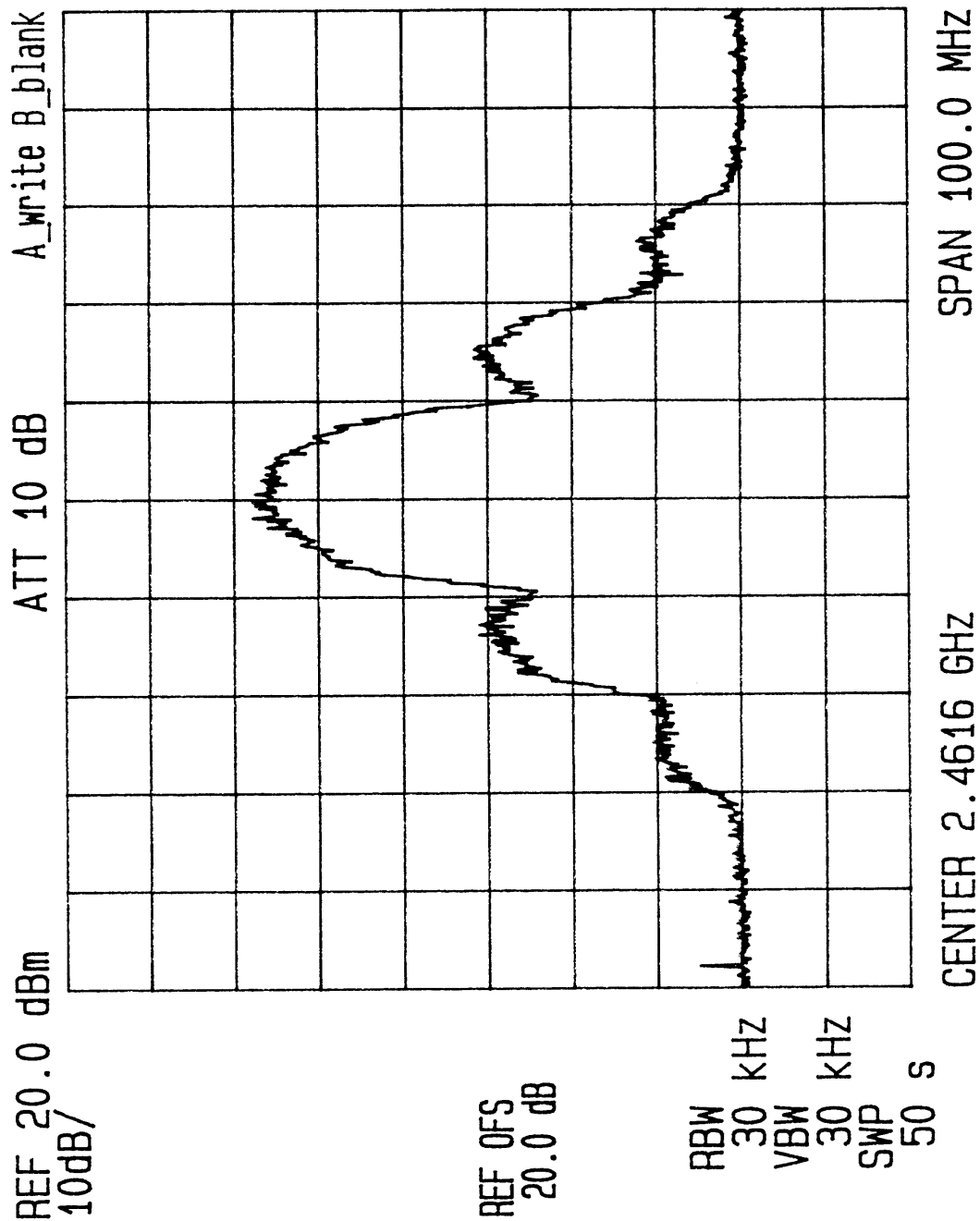
RBW 30 KHZ  
VBW 30 KHZ  
SWP 50 S

DATA SHEET 6.4.3-10



TEST: MODULATION EM. EUT: Intersil PRISM II S/N: 9936-0027  
FREQ: 2.462 GHz SPEC: 15.247 (b) ANT.HT/POL:  
DETECT: PEAK LINE UNDER TEST: 2.462GHz (11Mbps) EUT POSITION:  
DATE: 10-4-99 TEST SITE: ROOM 1 TESTER: *AB*

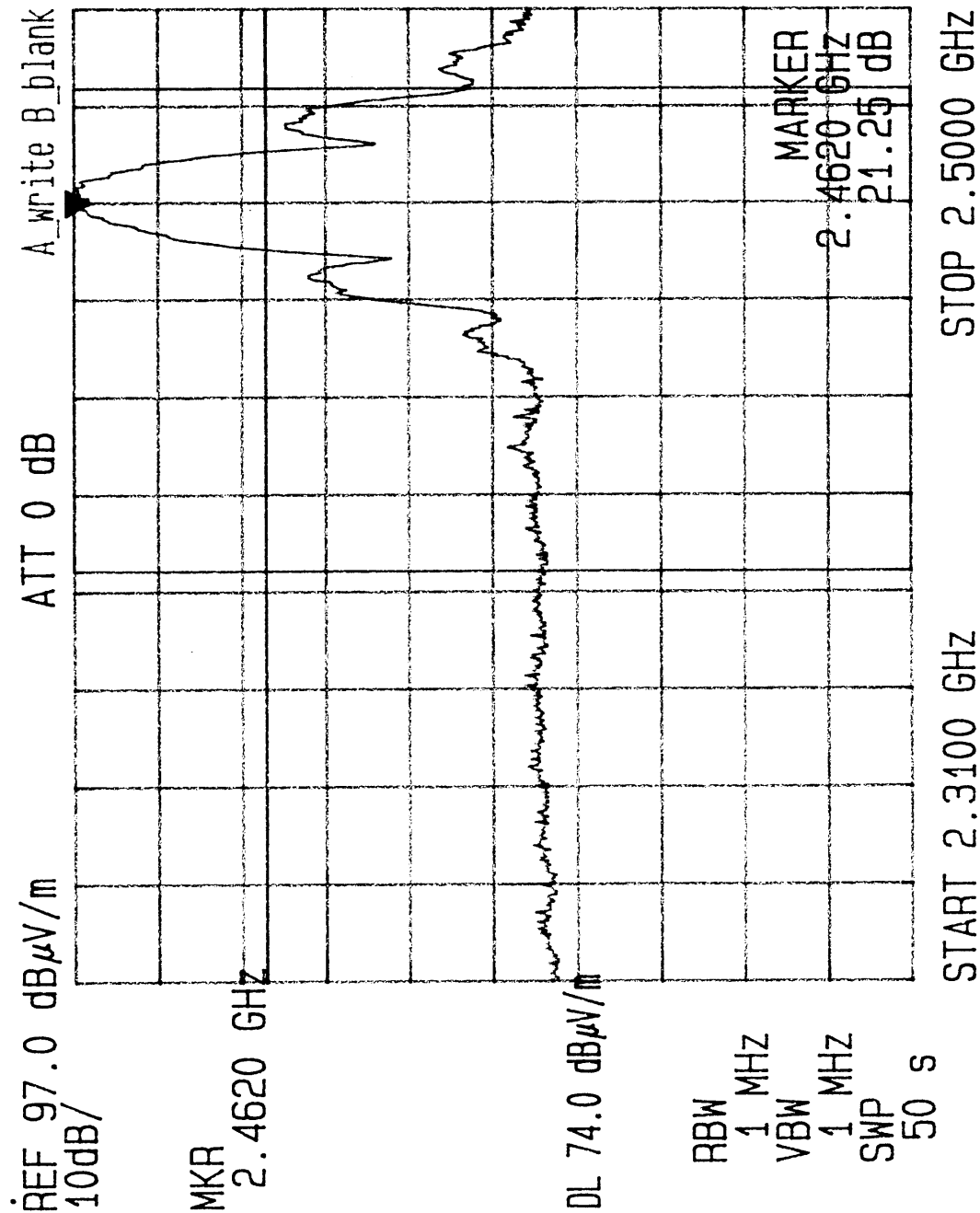
JA-1652



DATA SHEET 6.4.3-11



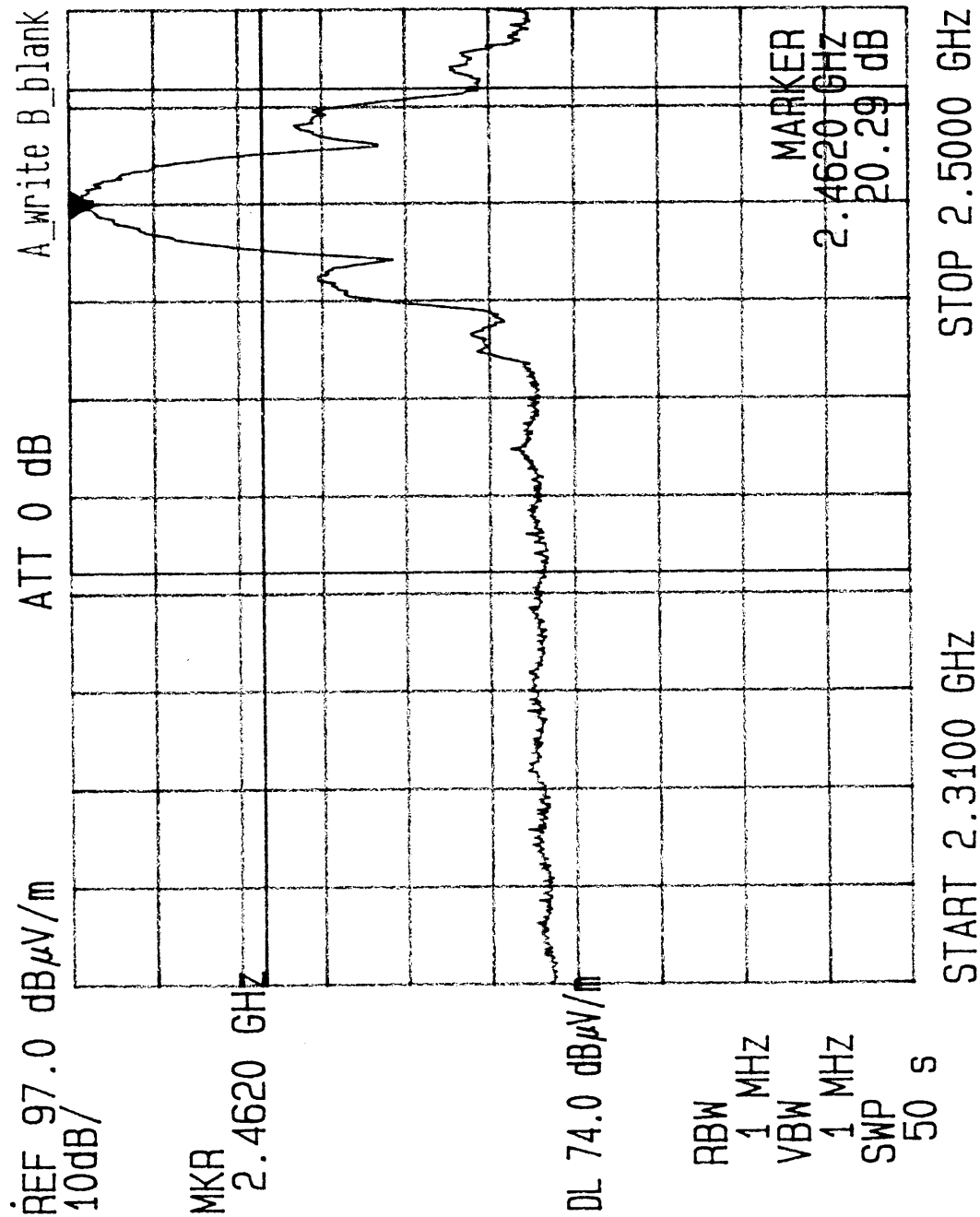
|                        |                                 |                     |
|------------------------|---------------------------------|---------------------|
| TEST: RESTRICTED BANDS | EUT: Intersil PRISM II          | S/N: 9936-0035      |
| FREQ: 2.31G-2.50GHz    | SPEC: 15.247                    | ANT.HT/POL: 1.5M H  |
| DETECT: PEAK           | LINE UNDER TEST: 2.462G (1Mbps) | EUT POSITION: 1120  |
| DATE: 12-07-00         | TEST SITE: 3-METER              | TESTER: [Signature] |



DATA SHEET 6.4.3-12



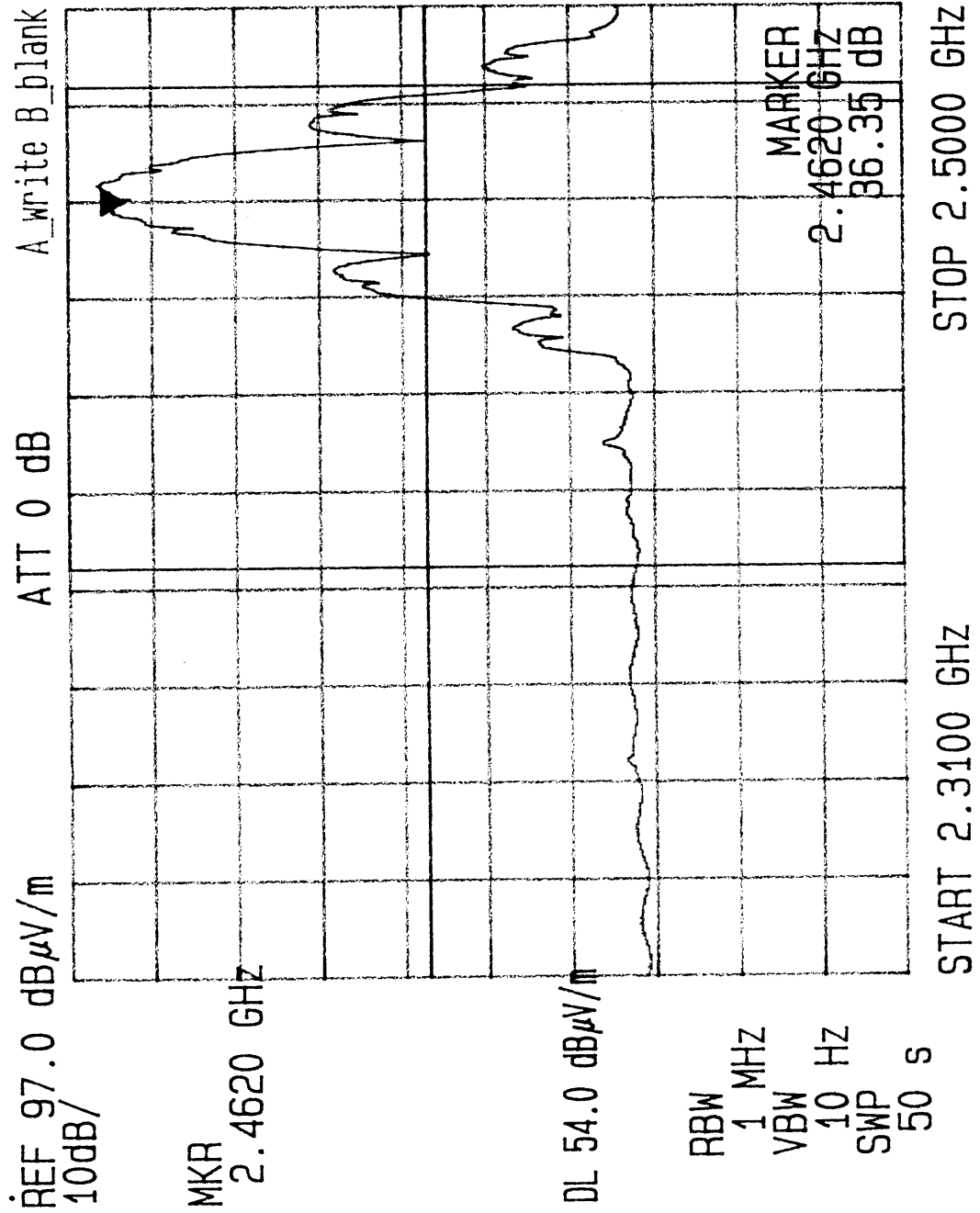
|                        |                                 |                     |
|------------------------|---------------------------------|---------------------|
| TEST: RESTRICTED BANDS | EUT: Intersil PRISM II          | S/N: 9936-0035      |
| FREQ: 2.31G-2.50GHz    | SPEC: 15.247                    | ANT.HT/POL: 1.5M V  |
| DETECT: PEAK           | LINE UNDER TEST: 2.462G (1Mbps) | EUT POSITION: 1590  |
| DATE: 10-5-92          | TEST SITE: 3-METER              | TESTER: [signature] |



DATA SHEET 6.4.3-13



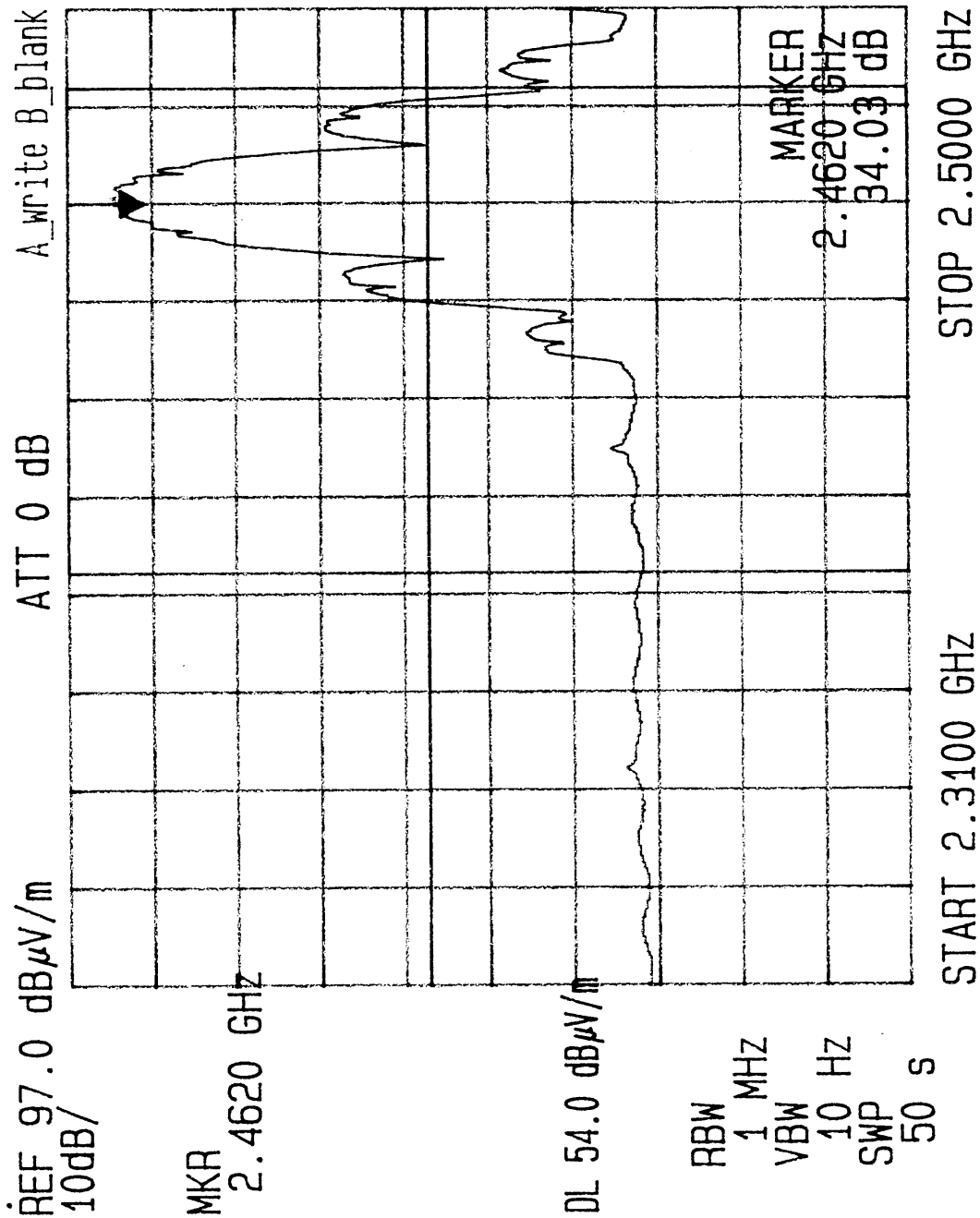
|                        |                                 |                     |
|------------------------|---------------------------------|---------------------|
| TEST: RESTRICTED BANDS | EUT: Intersil PRISM II          | S/N: 9936-0035      |
| FREQ: 2.31G-2.50GHz    | SPEC: 15.247                    | ANT.HT/POL: 15H H   |
| DETECT: AVERAGE        | LINE UNDER TEST: 2.462G (1Mbps) | EUT POSITION: 1120  |
| DATE: 10-5-99          | TEST SITE: 3-METER              | TESTER: [signature] |



DATA SHEET 6.4.3-14



|                        |                                 |                     |
|------------------------|---------------------------------|---------------------|
| TEST: RESTRICTED BANDS | EUT: Intersil PRISM II          | S/N: 9936-0035      |
| FREQ: 2.31G-2.50GHz    | SPEC: 15.247                    | ANT.HT/POL: 1.5" V  |
| DETECT: AVERAGE        | LINE UNDER TEST: 2.462G (1Mbps) | EUT POSITION: 1570  |
| DATE: 10-5-94          | TEST SITE: 3-METER              | TESTER: [Signature] |

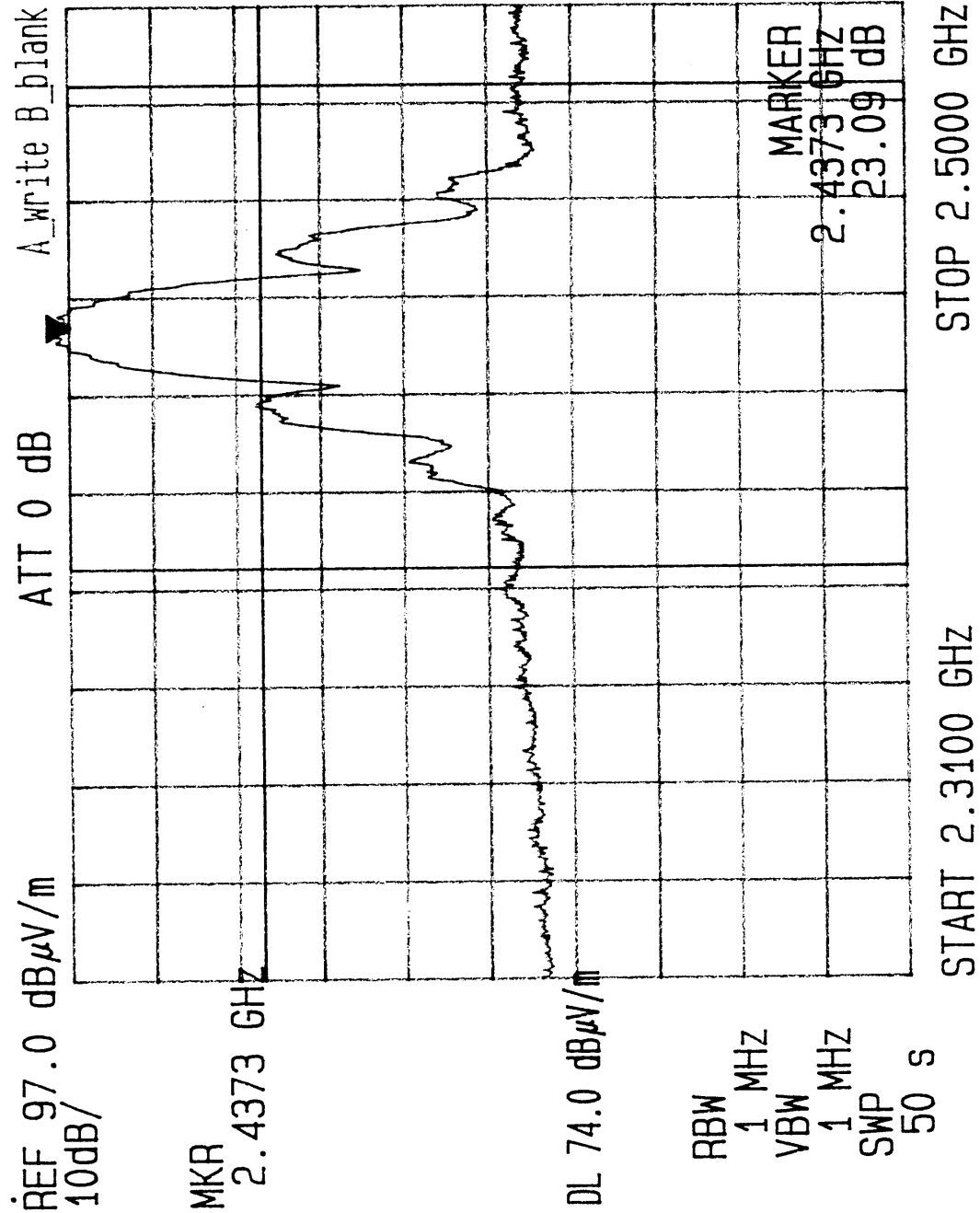


DATA SHEET 6.4.3-15



TEST: RESTRICTED BANDS EUT: Intersil PRISM II S/N: 9936-0035  
FREQ: 2.31G-2.50GHz SPEC: 15.247 ANT.HT/POL: 1.75m H  
DETECT: PEAK LINE UNDER TEST: 2.438 (1Mbps) EUT POSITION: 92  
DATE: 10-5-99 TEST SITE: 3-METER TESTER: *AB*

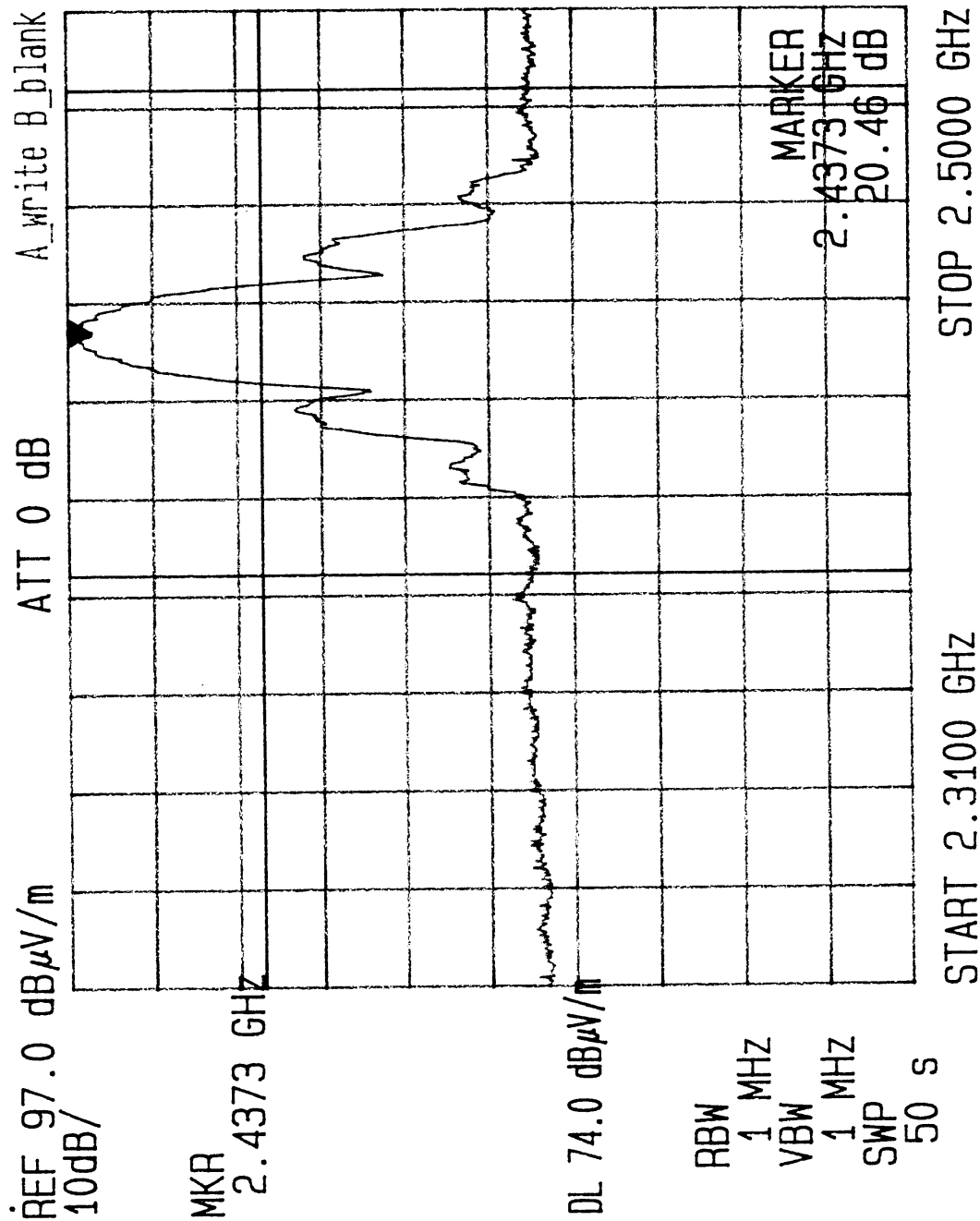
JA-1652



DATA SHEET 6.4.3-16



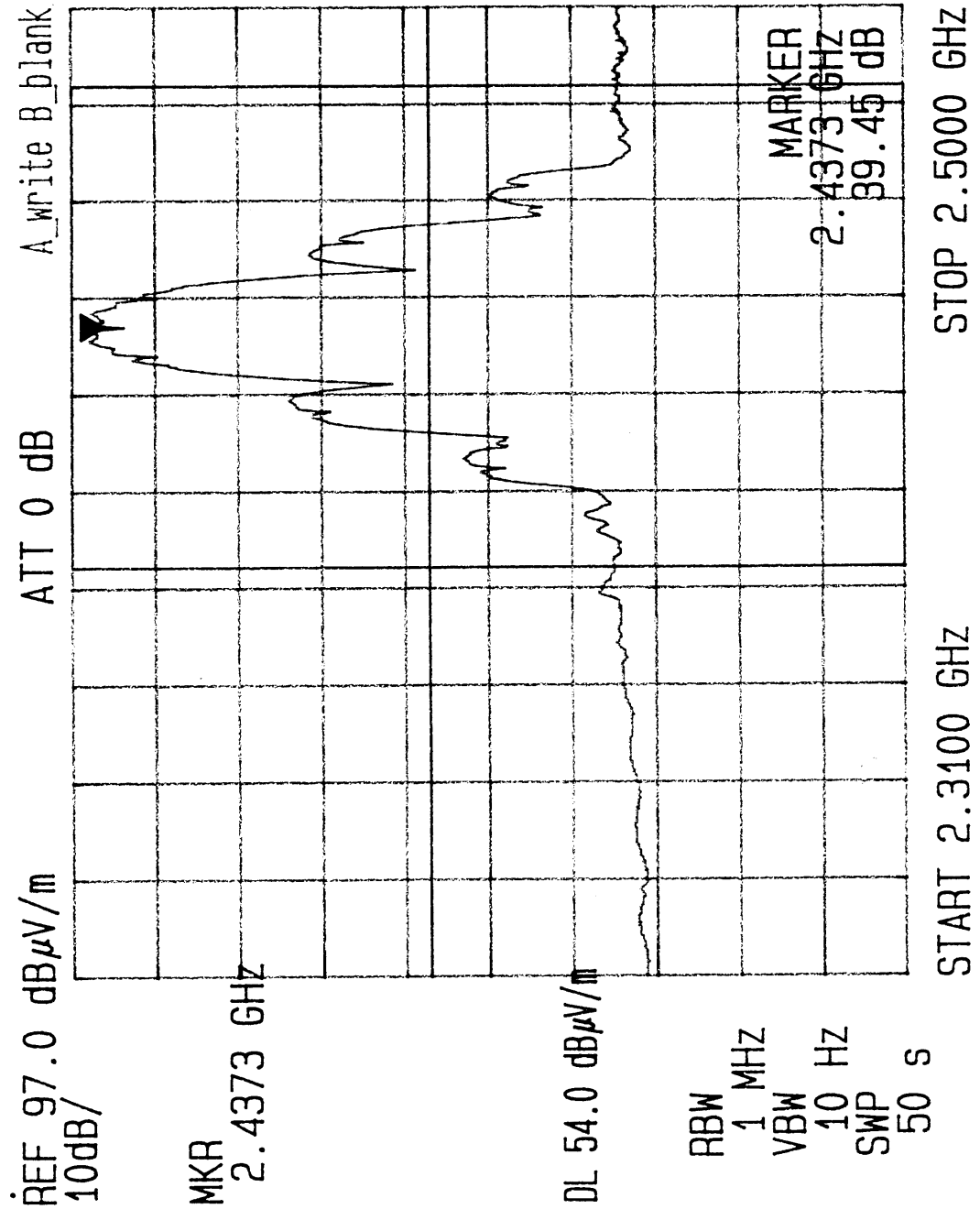
TEST: RESTRICTED BANDS EUT: Intersil PRISM II S/N: 9936-0035  
FREQ: 2.31G-2.50GHz SPEC: 15.247 ANT.HT/POL: 20M, V  
DETECT: PEAK LINE UNDER TEST: 2437MHz (1Mbps) EUT POSITION: 180°  
DATE: 10-5-99 TEST SITE: 3-METER TESTER: *[Signature]*



DATA SHEET 6.4.3-17



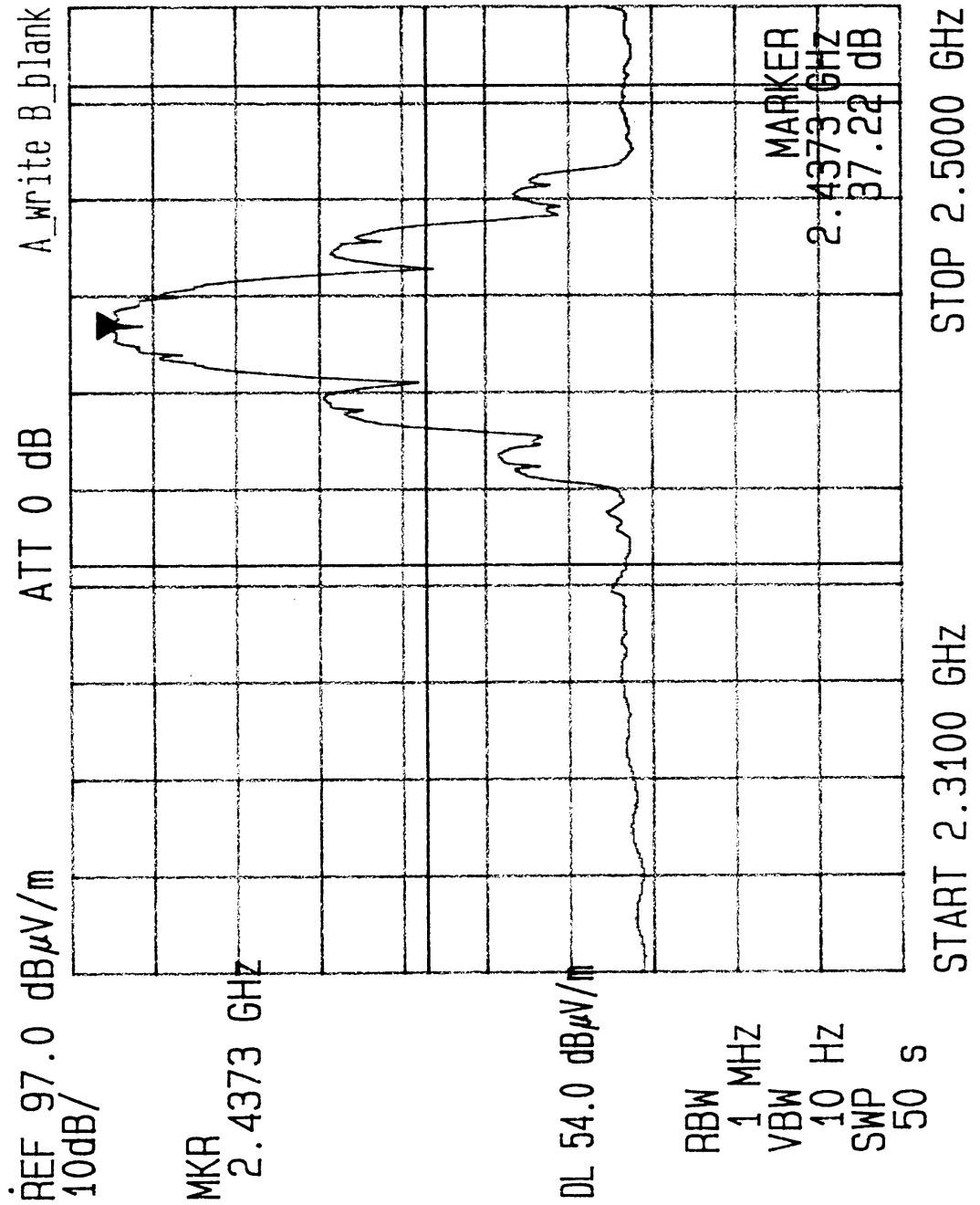
|                        |                                   |                     |
|------------------------|-----------------------------------|---------------------|
| TEST: RESTRICTED BANDS | EUT: Intersil PRISM II            | S/N: 9936-0035      |
| FREQ: 2.31G-2.50GHz    | SPEC: 15.247                      | ANT.HT/POL: 1/25m H |
| DETECT: AVERAGE        | LINE UNDER TEST: 1/43/1024(1Mbps) | EUT POSITION: 950   |
| DATE: 10-5-99          | TEST SITE: 3-METER                | TESTER: [signature] |



DATA SHEET 6.4.3-18



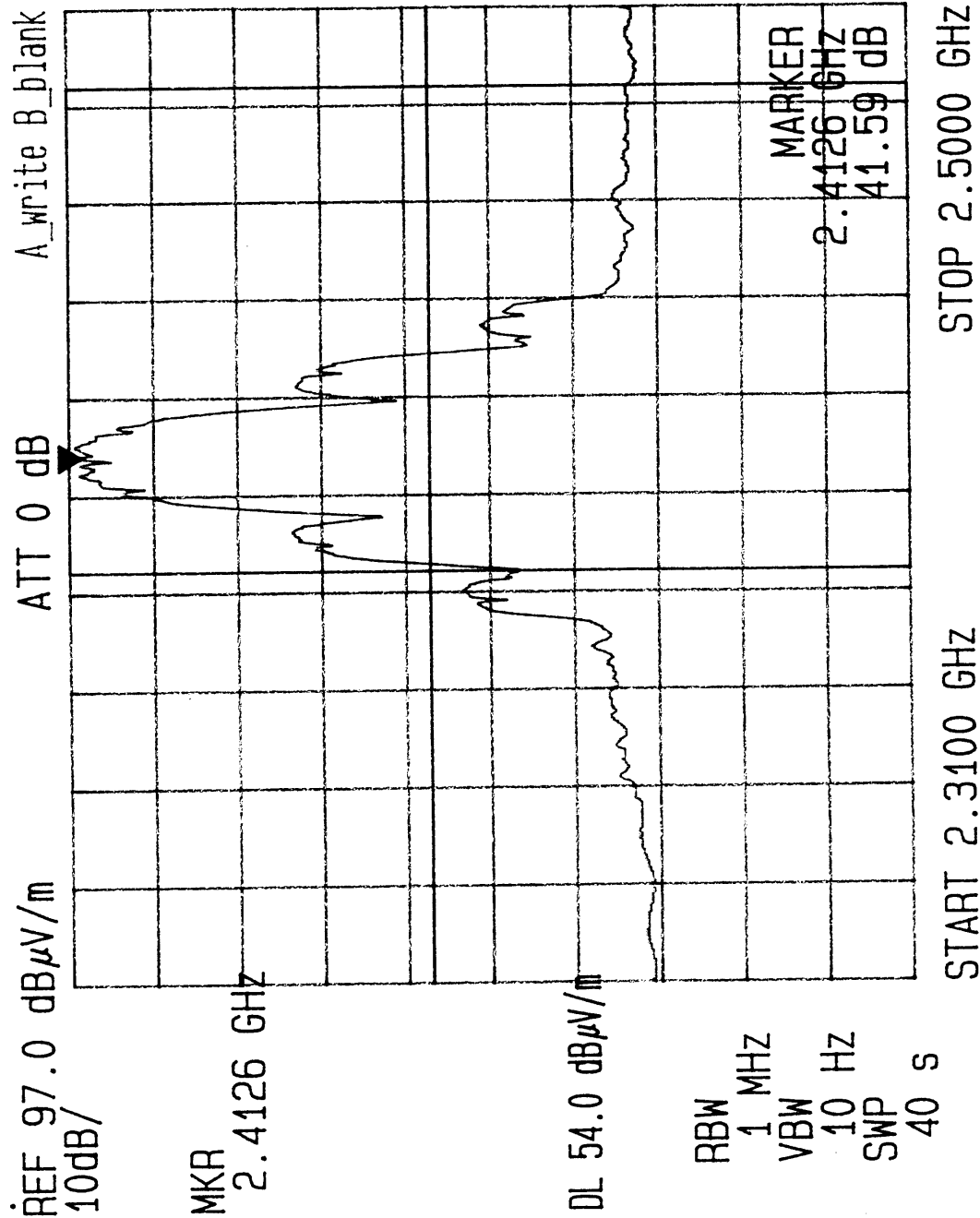
|                        |                                  |                            |
|------------------------|----------------------------------|----------------------------|
| TEST: RESTRICTED BANDS | EUT: Intersil PRISM II           | S/N: 9936-0035             |
| FREQ: 2.31G-2.50GHz    | SPEC: 15.247                     | ANT.HT/POL: 2.0M V         |
| DETECT: AVERAGE        | LINE UNDER TEST: 2.43734 (1Mbps) | EUT POSITION: 1800         |
| DATE: 10-5-99          | TEST SITE: 3-METER               | TESTER: <i>[Signature]</i> |



JA-1652



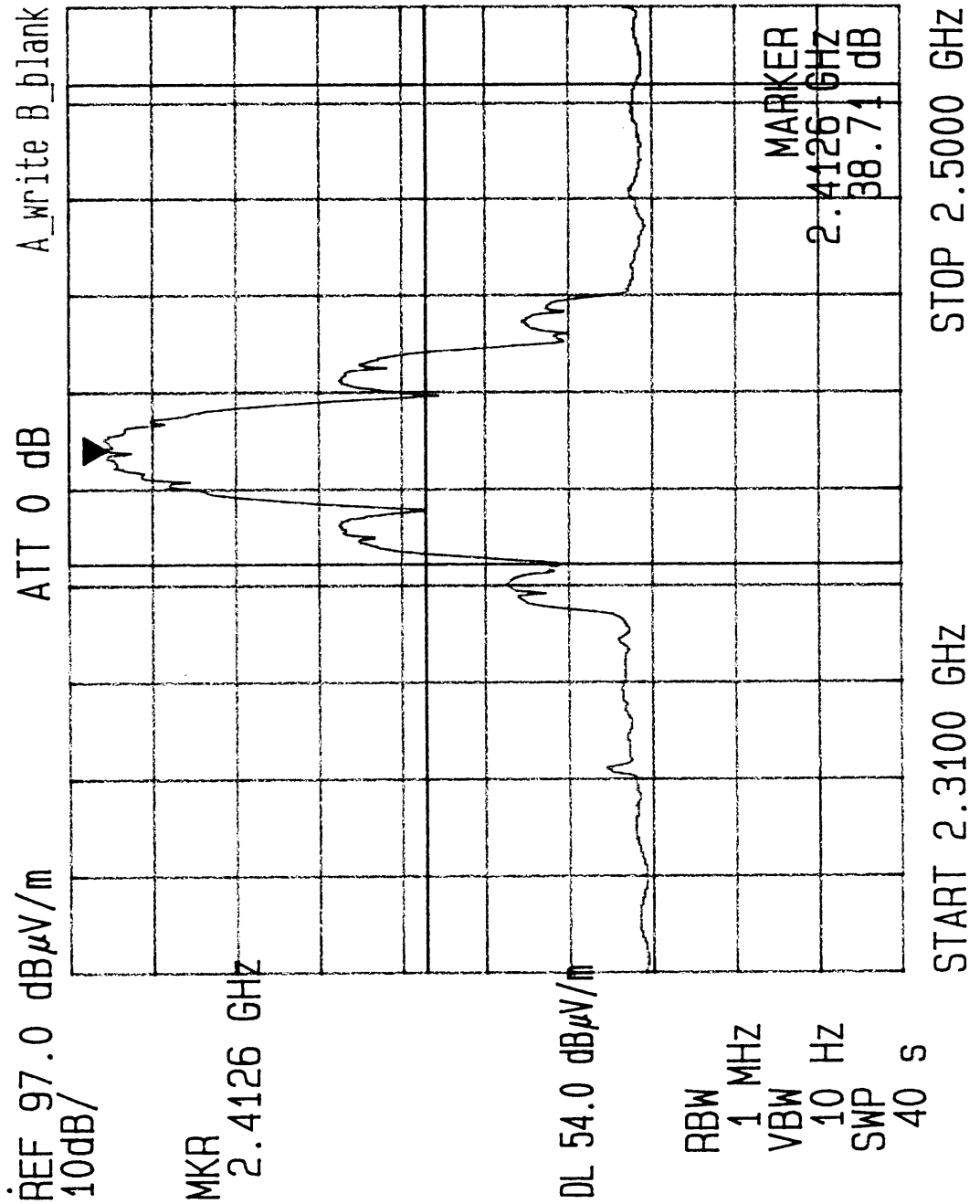
TEST: RESTRICTED BANDS EUT: Intersil PRISM II S/N: 9936-0035  
FREQ: 2.31G-2.50GHz SPEC: 15.247 ANT.HT/POL: 2.0m\ H  
DETECT: AVERAGE LINE UNDER TEST: 2.412G (1Mbps) EUT POSITION: 90°  
DATE: 10-4-99 TEST SITE: 3-METER TESTER: *AB*



DATA SHEET 6.4.3-20



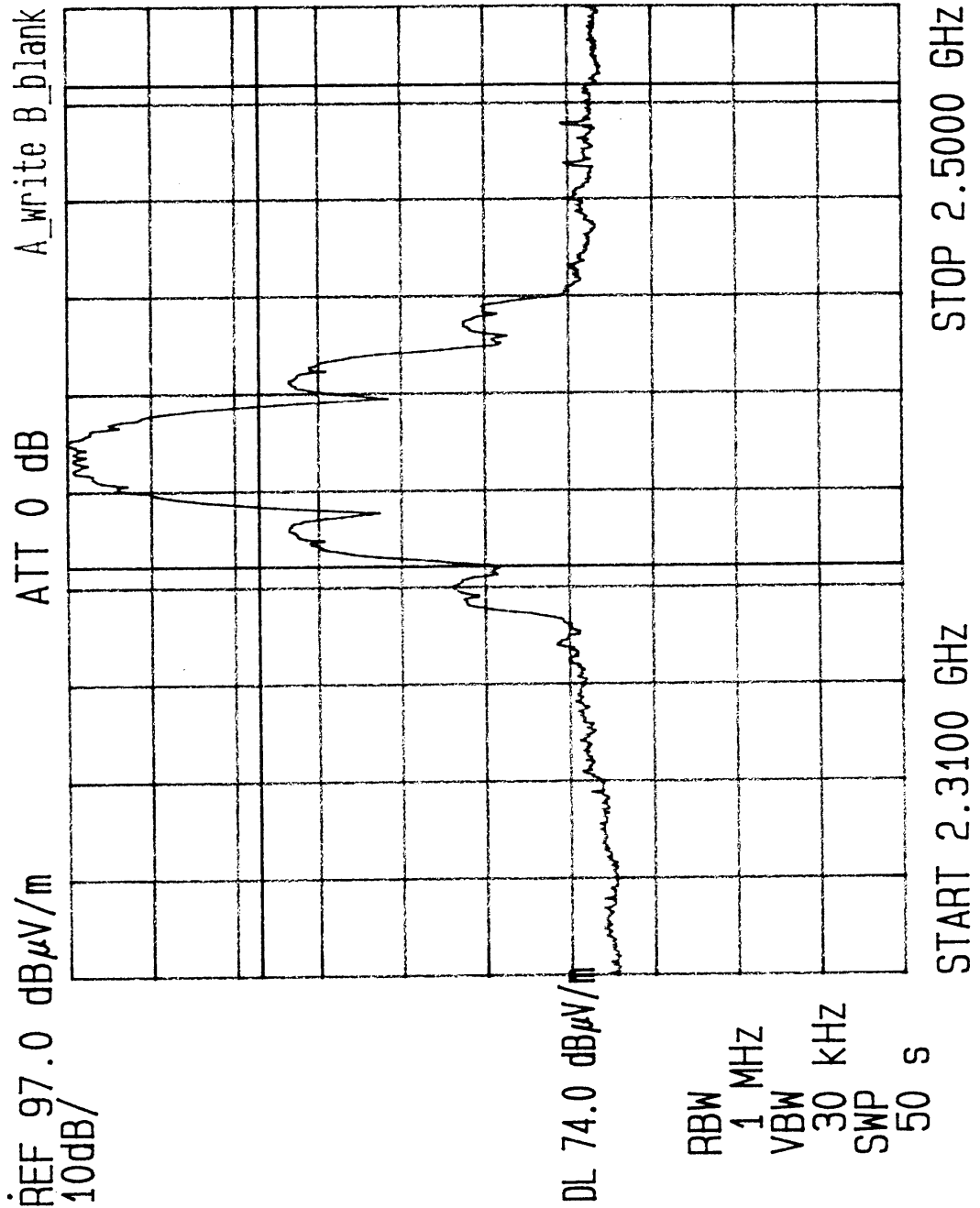
|                        |                                 |                    |
|------------------------|---------------------------------|--------------------|
| TEST: RESTRICTED BANDS | EUT: Intersil PRISM II          | S/N: 9936-0035     |
| FREQ: 2.31G-2.50GHz    | SPEC: 15.247                    | ANT.HT/POL: 2.0u V |
| DETECT: AVERAGE        | LINE UNDER TEST: 2.412G (1Mbps) | EUT POSITION: 135° |
| DATE: 10-4-99          | TEST SITE: 3-METER              | TESTER: AD         |



DATA SHEET 6.4.3-21



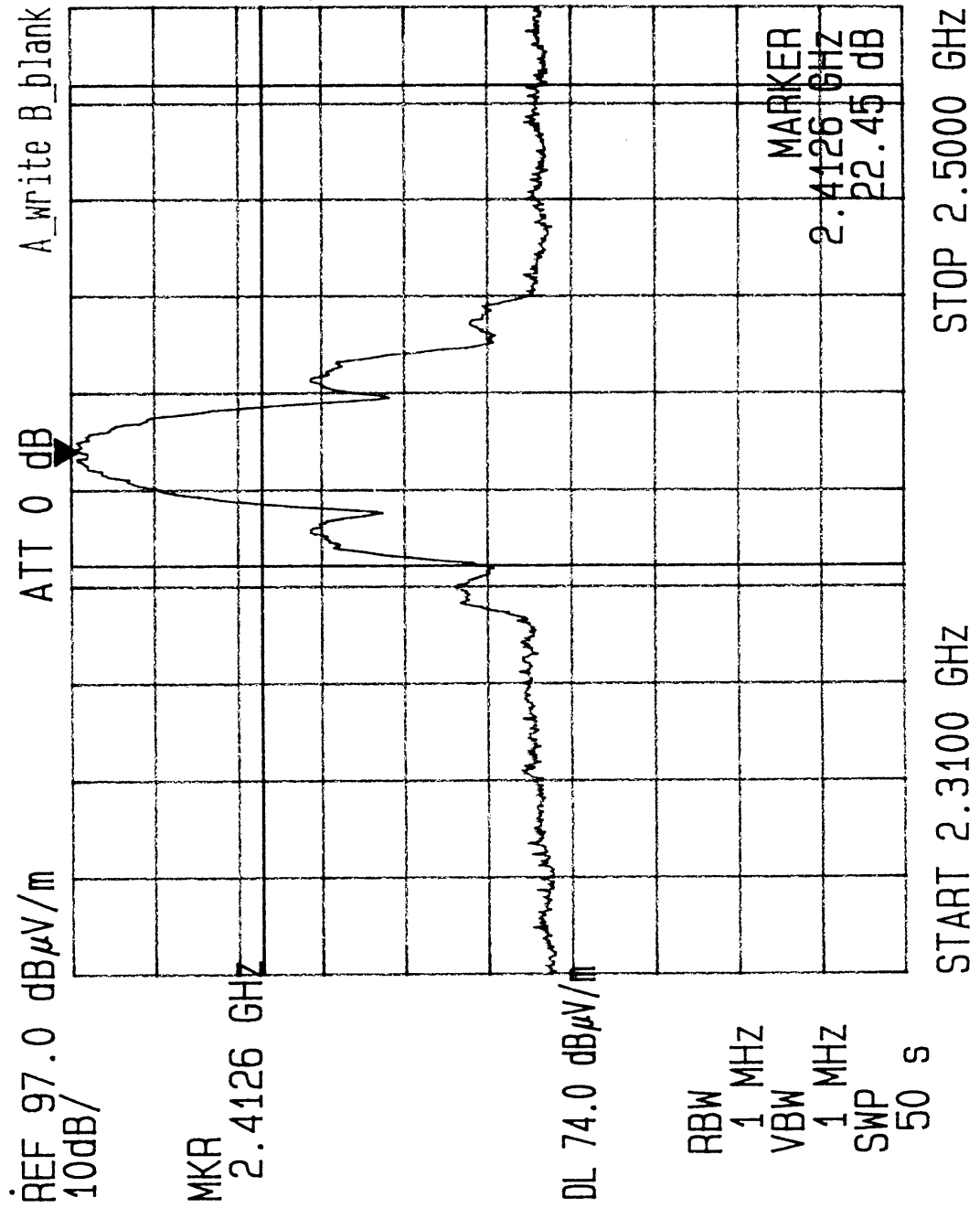
|                        |                                 |                    |
|------------------------|---------------------------------|--------------------|
| TEST: RESTRICTED BANDS | EUT: Intersil PRISM II          | S/N: 9936-0035     |
| FREQ: 2.31G-2.50GHz    | SPEC: 15.247                    | ANT.HT/POL: 2.0m H |
| DETECT: PEAK           | LINE UNDER TEST: 2.412G (1Mbps) | EUT POSITION: 90°  |
| DATE: 10-4-99          | TEST SITE: 3-METER              | TESTER: <i>AD</i>  |



DATA SHEET 6.4.3-22



|                        |                                 |                     |
|------------------------|---------------------------------|---------------------|
| TEST: RESTRICTED BANDS | EUT: Intersil PRISM II          | S/N: 9936-0035      |
| FREQ: 2.31G-2.50GHz    | SPEC: 15.247                    | ANT.HT/POL: 2.0 u V |
| DETECT: PEAK           | LINE UNDER TEST: 2.412G (1Mbps) | EUT POSITION: 135"  |
| DATE: 10-4-99          | TEST SITE: 3-METER              | TESTER: <i>Q12</i>  |



DATA SHEET 6.4.3-23

#### 6.4.4 Power Spectral Density 15.247(2)(d)

The transmitted power density averaged over a 1 second interval shall not be greater than +8dBm in any 3KHz bandwidth within the band.

The peak point was selected after a max hold was performed and the spectrum analyzer peak marker was positioned (Data Sheets 6.4.4-1 - 6.4.4-3). The peak frequency was used as the center frequency. The RBW was set to 3KHz and the span width of 1.5MHz and sweep time of 500 seconds selected (Data Sheets 6.4.4-4 - 6.4.4-6).

The results show the spectral density to be greater than 10dB below the +8dBm requirement.

Photo 5 is representative of this setup.

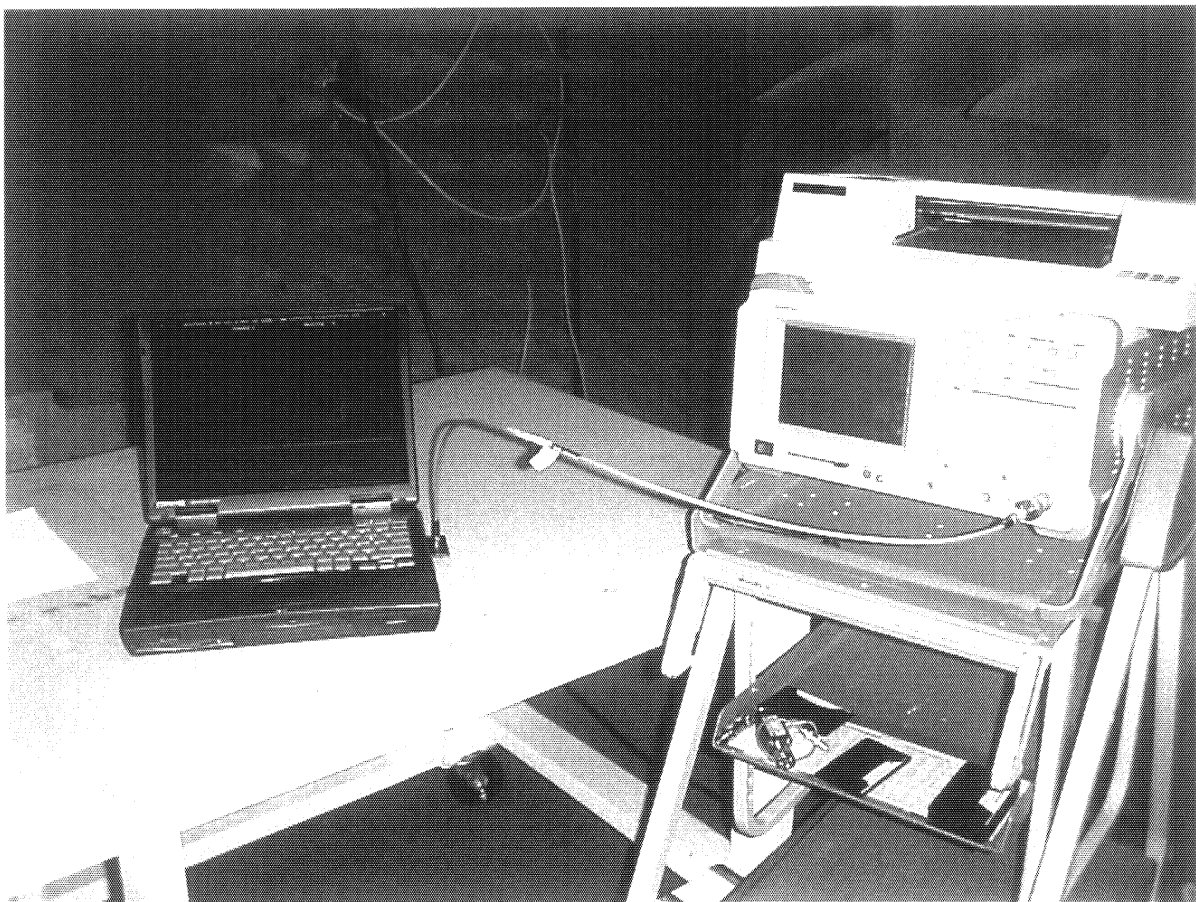


PHOTO 5

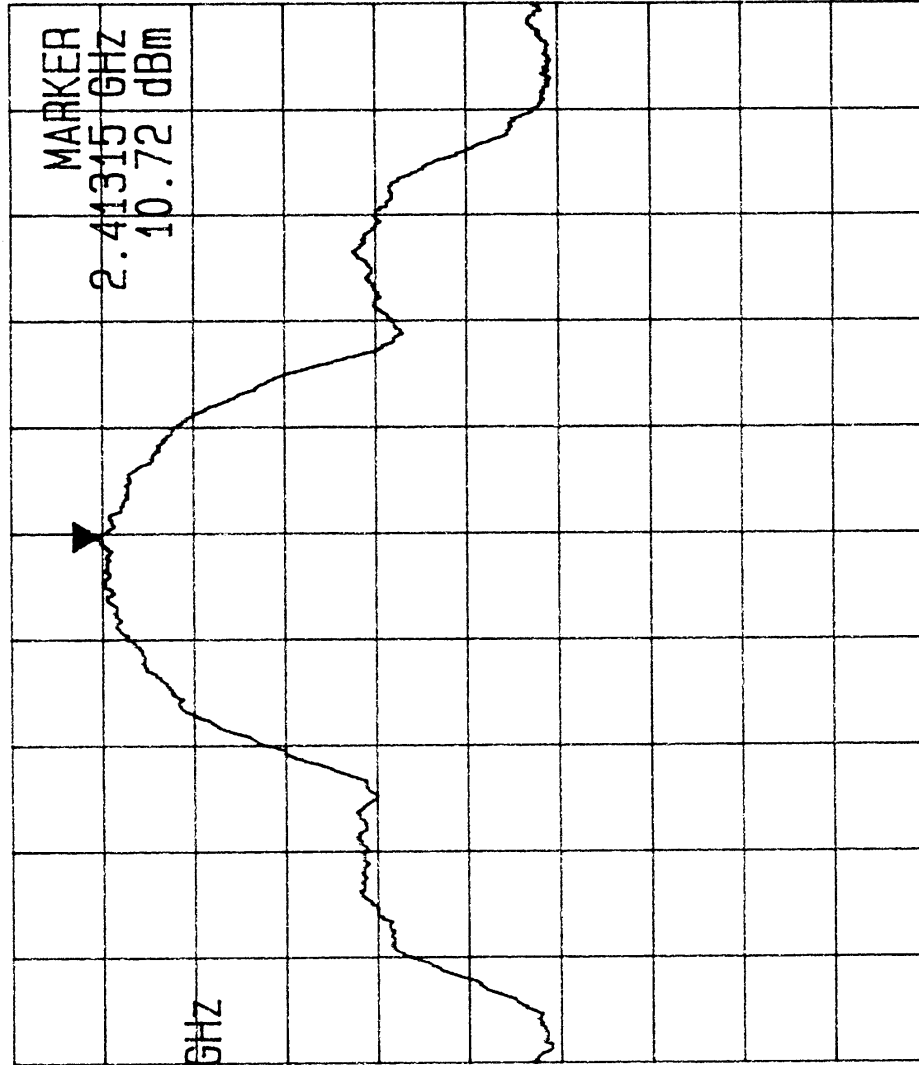


TEST: POWER DENSITY EUT: Intersil PRISM II S/N: 9936-0027  
FREQ: 2.412GHz SPEC: 15.247 (d) ANT.HT/POL:  
DETECT: PEAK LINE UNDER TEST: 2.412G (11Mbps) EUT POSITION:  
DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: *[Signature]*

JA-1652

REF 20.0 dBm ATT 30 dB A\_write B\_blank  
10dB/

MKR  
2.41315 GHz



RBW 1 MHz  
VBW 1 MHz  
SWP 500 S

CENTER 2.41336 GHz SPAN 50.0 MHz

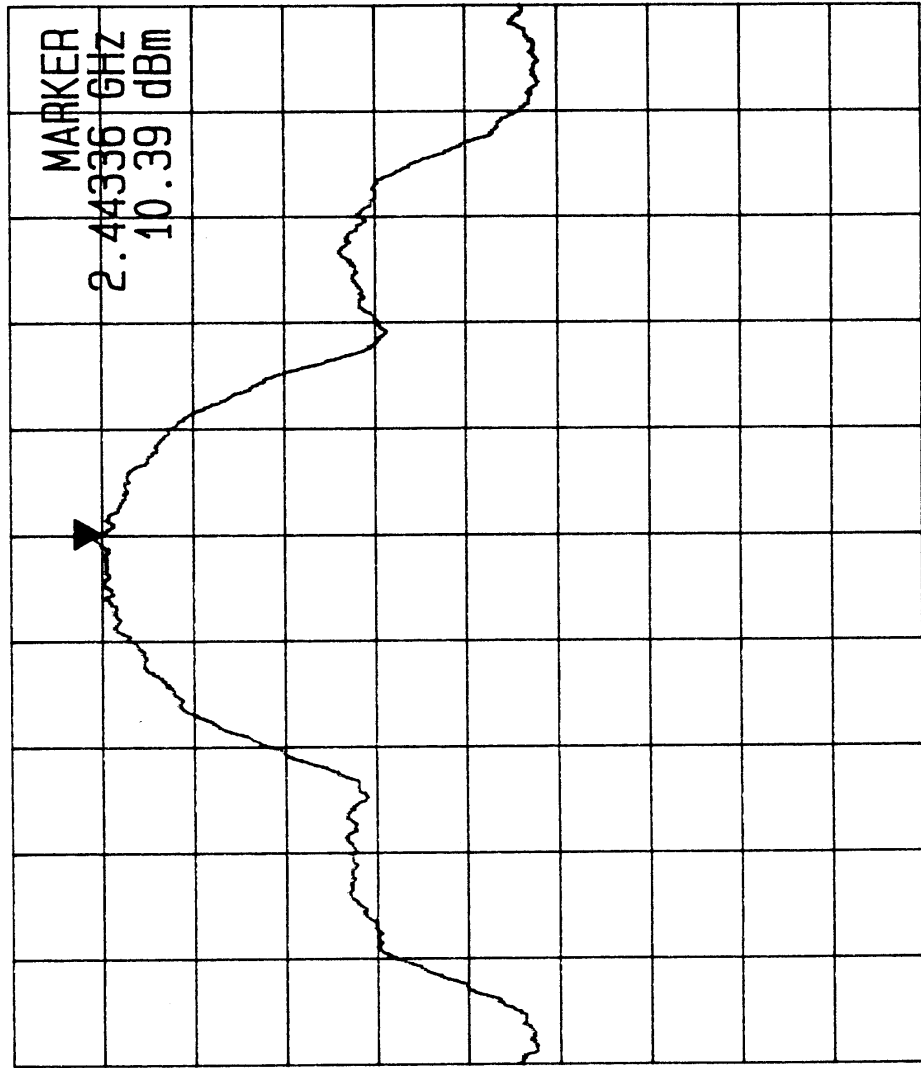
DATA SHEET 6.4.4-1



TEST: POWER DENSITY EUT: Intersil PRISM II S/N: 9936-0027  
FREQ: 2.437 GHz SPEC: 15.247 (d) ANT.HT/POL:  
DETECT: PEAK LINE UNDER TEST: 2.437G (11Mbps) EUT POSITION:  
DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: *AB*

REF 20.0 dBm ATT 30 dB A\_write B\_blank  
10dB/

SWP  
400 S



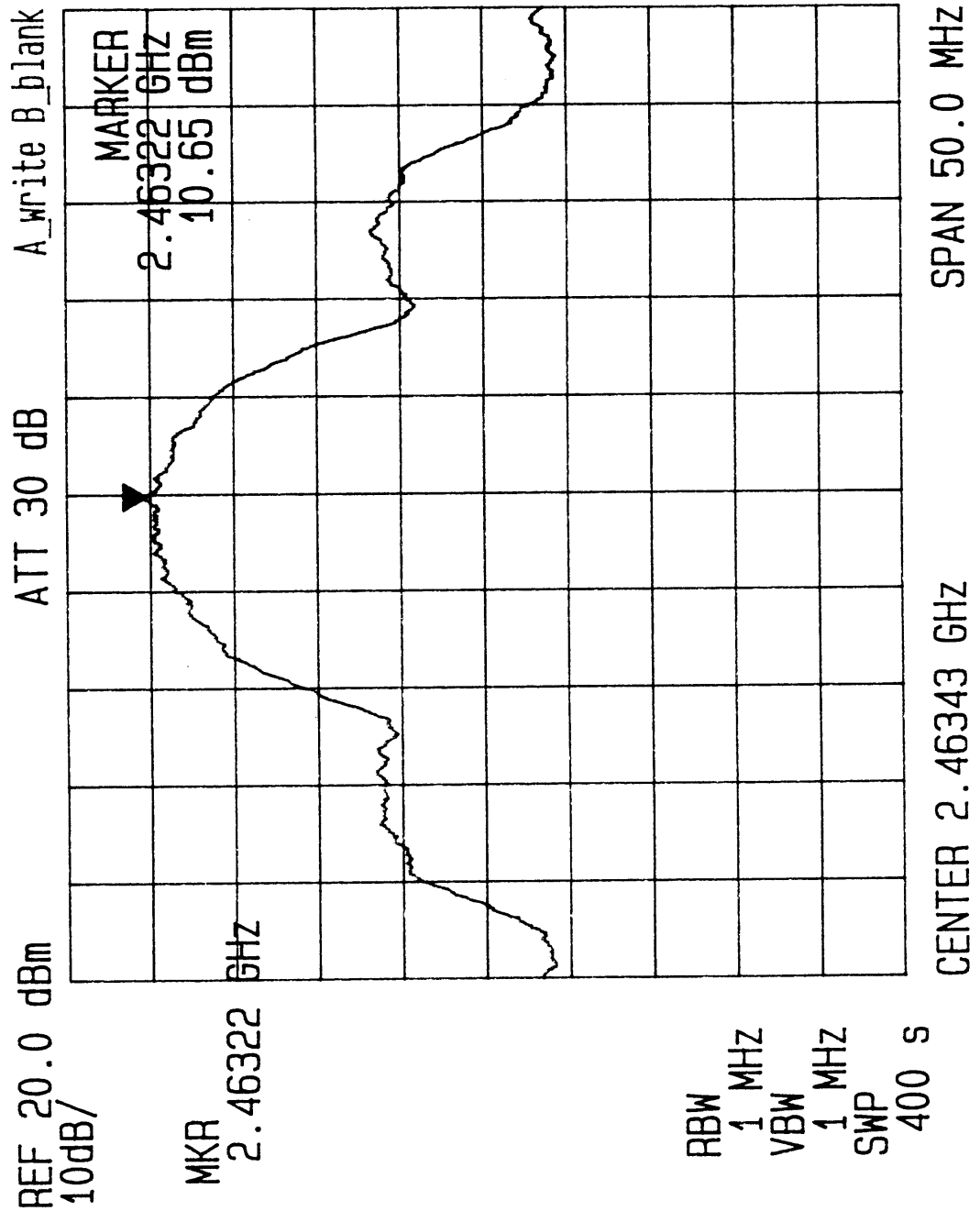
RBW 1 MHz  
VBW 1 MHz  
SWP 400 S

CENTER 2.44336 GHz SPAN 50.0 MHz

DATA SHEET 6.4.4-2



TEST: POWER DENSITY EUT: Intersil PRISM II S/N: 9936-0027  
FREQ: 2.462 GHz SPEC: 15.247 (d) ANT.HT/POL:  
DETECT: PEAK LINE UNDER TEST: 2.462G (11Mbps) EUT POSITION:  
DATE: 10-1-95 TEST SITE: ROOM 1 TESTER: *AB*



DATA SHEET 6.4.4-3



|                     |                                  |                            |
|---------------------|----------------------------------|----------------------------|
| TEST: POWER DENSITY | EUT: Intersil PRISM II           | S/N: 9936-0027             |
| FREQ: 2.412 GHz     | SPEC: 15.247 (d)                 | ANT. HT/POL:               |
| DETECT: PEAK        | LINE UNDER TEST: 2.412G (11Mbps) | EUT POSITION:              |
| DATE: 10-1-99       | TEST SITE: ROOM 1                | TESTER: <i>[Signature]</i> |

REF 20.0 dBm  
10dB/

ATT 30 dB

A\_write B\_blank

MKR

2.413150 GHz

MARKER

2.413150 GHz

-33.08 dB

DL 8.0 dBm

RBW

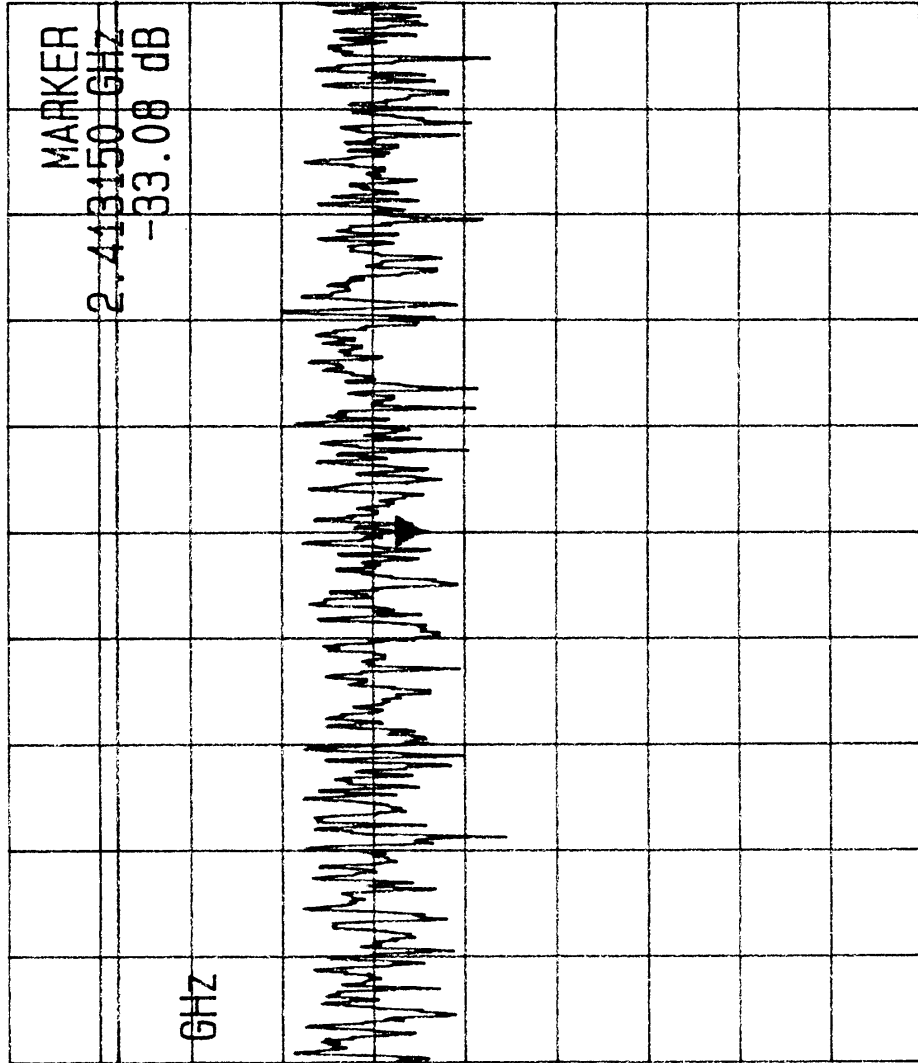
3 KHZ

VBW

10 KHZ

SWP

500 S



CENTER 2.41315 GHz

SPAN 1.500 MHz

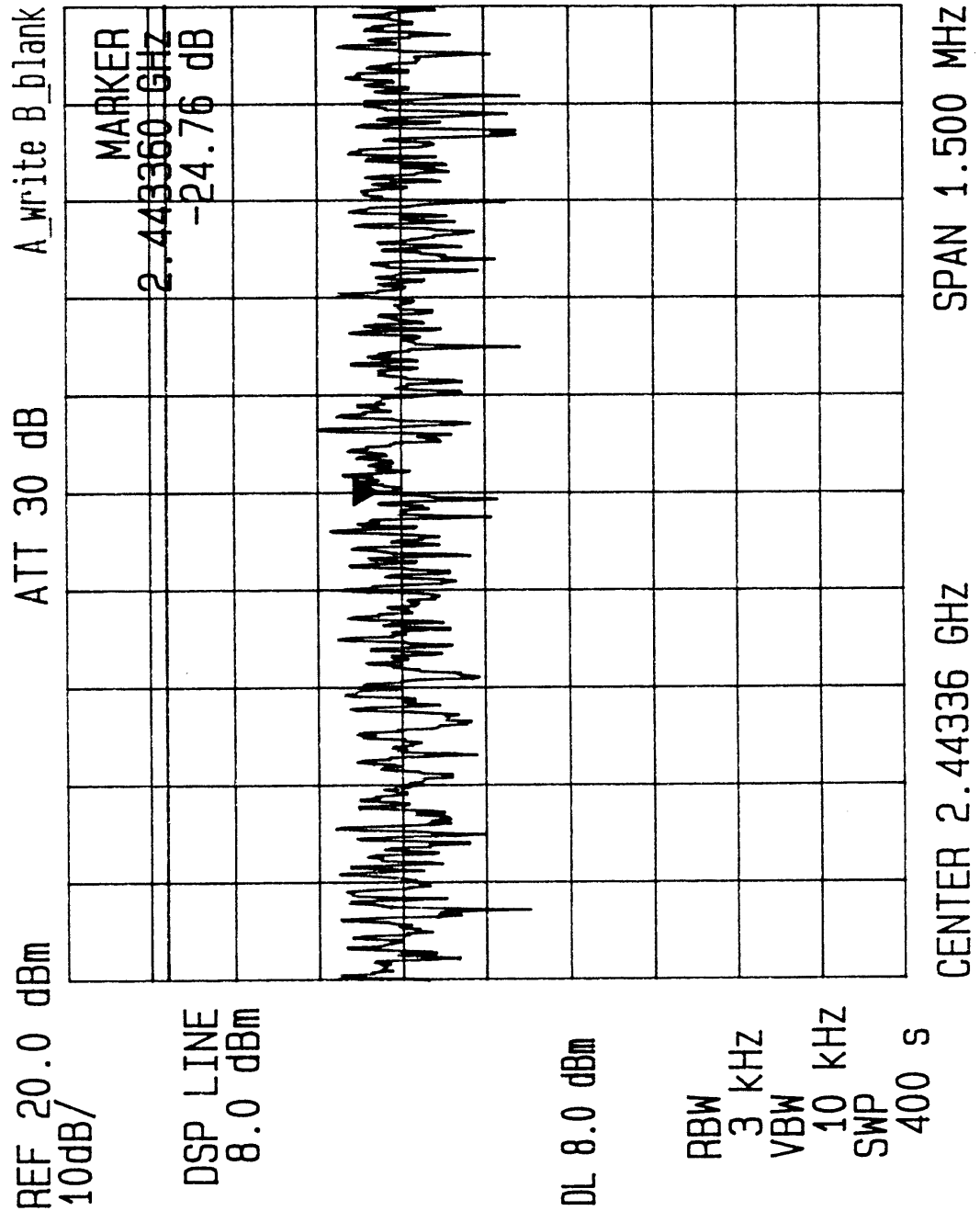
JA-1652

DATA SHEET 6.4.4-4



TEST: POWER DENSITY EUT: Intersil PRISM II S/N: 9936-0027  
FREQ: 2.437GHz SPEC: 15.247 (d) ANT.HT/POL:  
DETECT: PEAK LINE UNDER TEST: 2.437G (11Mbps) EUT POSITION:  
DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: *AS*

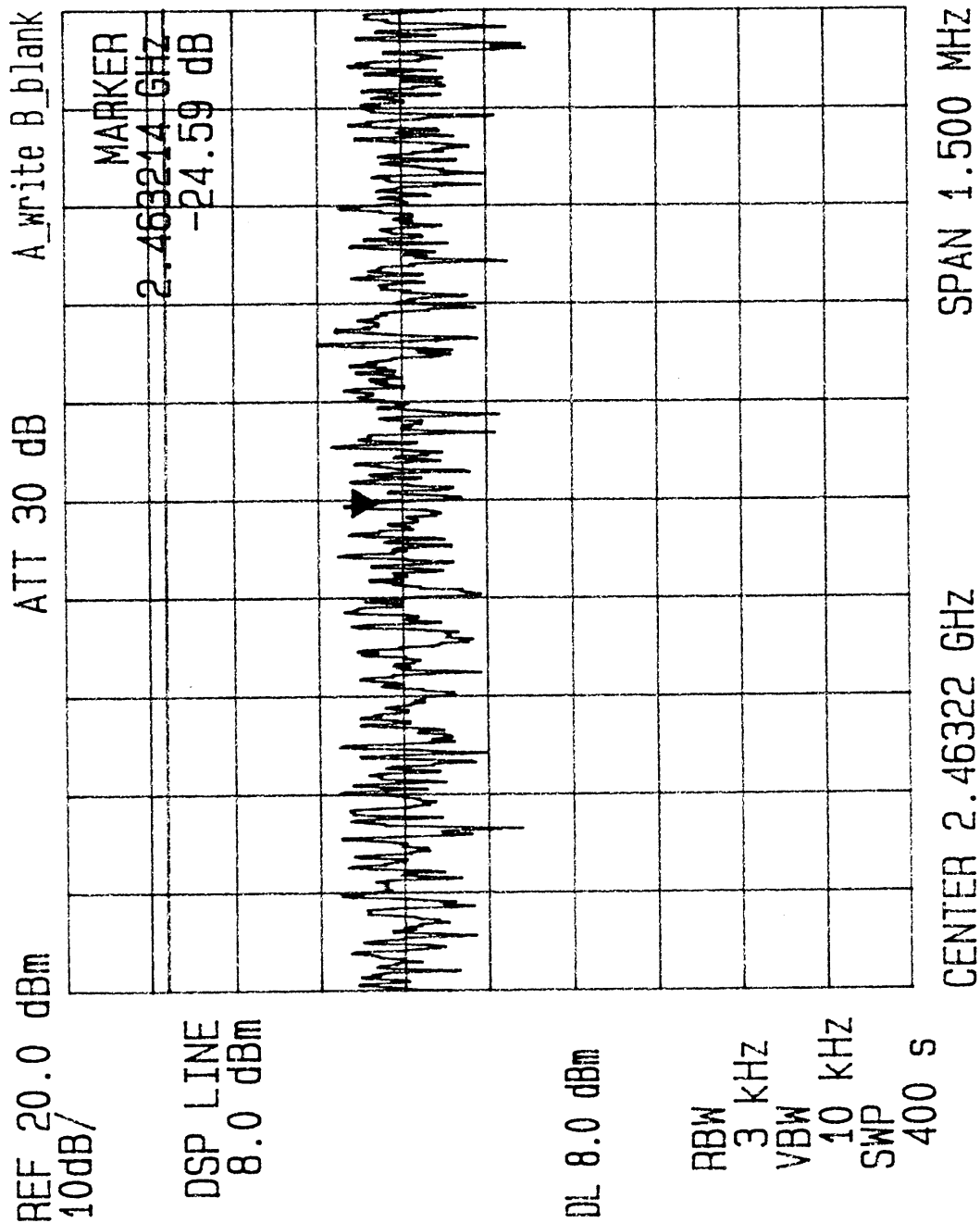
JA-1652



DATA SHEET 6.4.4-5



TEST: POWER DENSITY EUT: Intersil PRISM II S/N: 9936-0027  
 FREQ: 2.462 GHz SPEC: 15.247 (d) ANT. HT/POL:  
 DETECT: PEAK LINE UNDER TEST: 2.462G (11Mbps) EUT POSITION:  
 DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: *AB*



DATA SHEET 6.4.4-6

**APPENDIX A**  
**COMPLIANCE LETTER**

**FEDERAL COMMUNICATIONS COMMISSION**

7435 Oakland Mills Road  
Columbia, MD 21046  
Telephone: 301-725-1585 (ext-218)  
Facsimile: 301-344-2050

December 5, 1996

IN REPLY REFER TO  
31040/SiT  
1300F2

Rubicom Systems, Inc.  
284 West Drive, Suite B  
Melbourne, FL 32904

Attention: Joseph G. Barbee

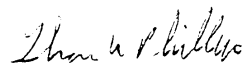
Re: Measurement facility located at above address  
(3 meter site)

Gentlemen:

Your submission of the description of the subject measurement facility has been reviewed and found to be in compliance with the requirements of Section 2.948 of the FCC Rules. The description has, therefore, been placed on file and the name of your organization added to the Commission's list of facilities whose measurement data will be accepted in conjunction with applications for certification or notification under Parts 15 or 18 of the Commission's Rules. Our list will also indicate that the facility complies with the radiated and AC line conducted test site criteria in ANSI C63.4-1992. Please note that this filing must be updated for any changes made to the facility, and at least every three years the data on file must be certified as current.

Per your request, the above mentioned facility has been also added to our list of those who perform these measurement services for the public on a fee basis. This list is published periodically and is also available on the Laboratory's Public Access Link as described in the enclosed Public Notice.

Sincerely,



Thomas W. Phillips  
Electronics Engineer  
Customer Service Branch

Enclosure:  
PAL PN