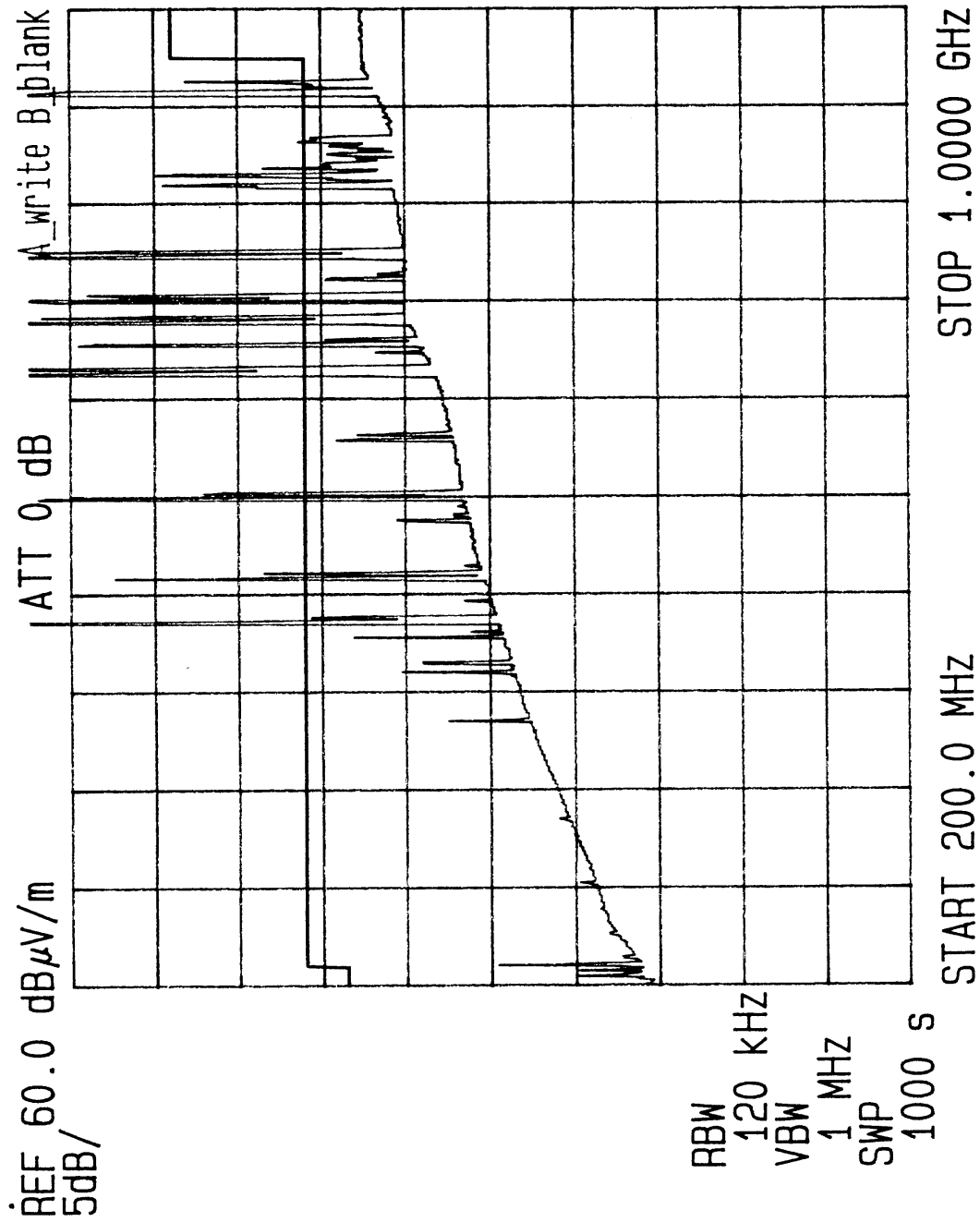




TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 200M-1GHz SPEC: 15.247 ANT.HT/POL: 1.75m V
DETECTOR: Q PEAK AMB. LINE UNDER TEST: N/A EUT POSITION: -
DATE: 9-28-99 TEST SITE: 3 METER TESTER: *AB*

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DATA SHEET 6.3.3-6

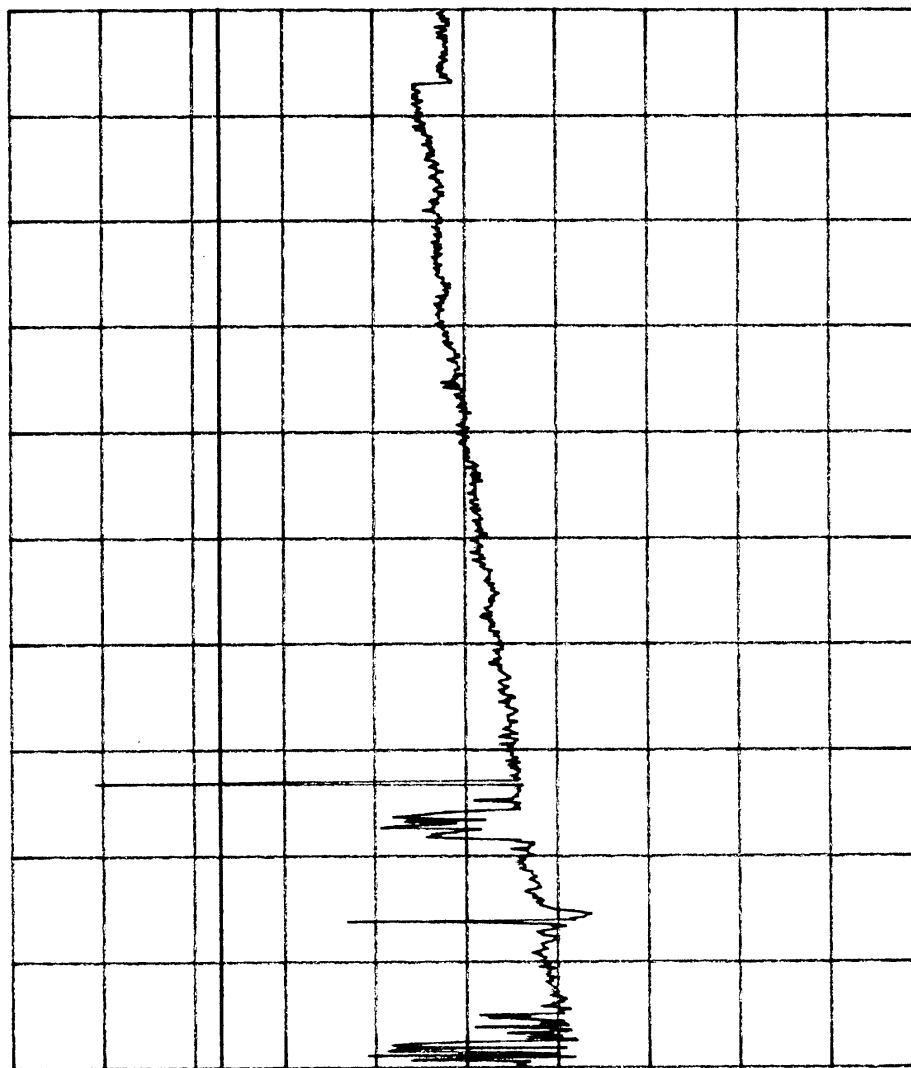


TEST: FCC RADIATED	EUT: Intersil PRISM II	S/N: 9936-0027
FREQ: 1G-8GHz	SPEC: 15.247	ANT.HT/POL: 1.5m H
DETECT: PEAK AMBIENT	LINE UNDER TEST: N/A	EUT POSITION: -
DATE: 9-30-99	TEST SITE: 3 METER	TESTER: <u>AB</u>

REF 97.0 dB μ V/m
10dB/

ATT 0 dB

A_write B_blank



RBW 1 MHz
VBW 1 MHz
SWP 200 S

START 1.000 GHz

STOP 8.000 GHz

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DATA SHEET 6.3.3-7

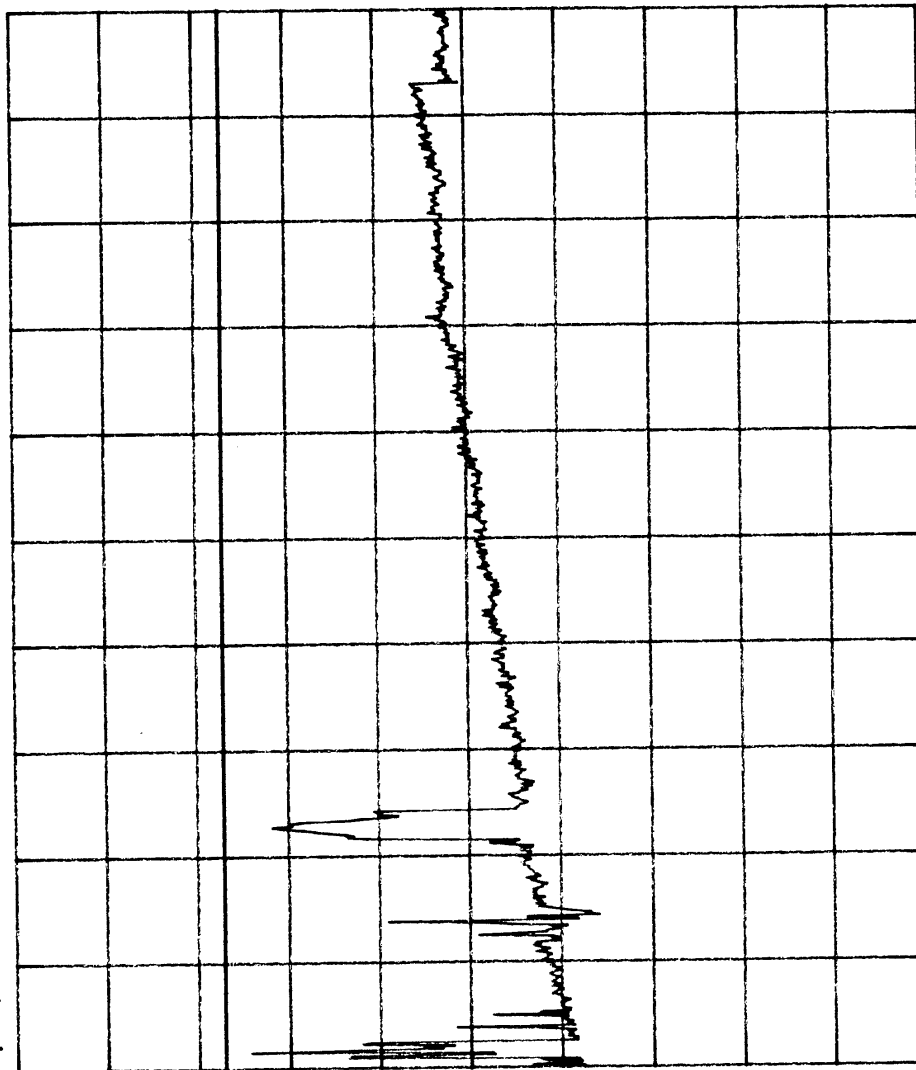


TEST: FCC RADIATED	EUT: Intersil PRISM II	S/N: 9936-0027
FREQ: 1G-8GHz	SPEC: 15.247	ANT.HT/POL: 1.75u V
DETECT: PEAK AMBIENT	LINE UNDER TEST: N/A	EUT POSITION: <u> </u>
DATE: 9-30-99	TEST SITE: 3 METER	TESTER: <u>AB</u>

REF 97.0 dB μ V/m
10dB/

ATT 0 dB

A_write B_blank



RBW 1 MHz
VBW 1 MHz
SWP 200 S

START 1.000 GHz

STOP 8.000 GHz

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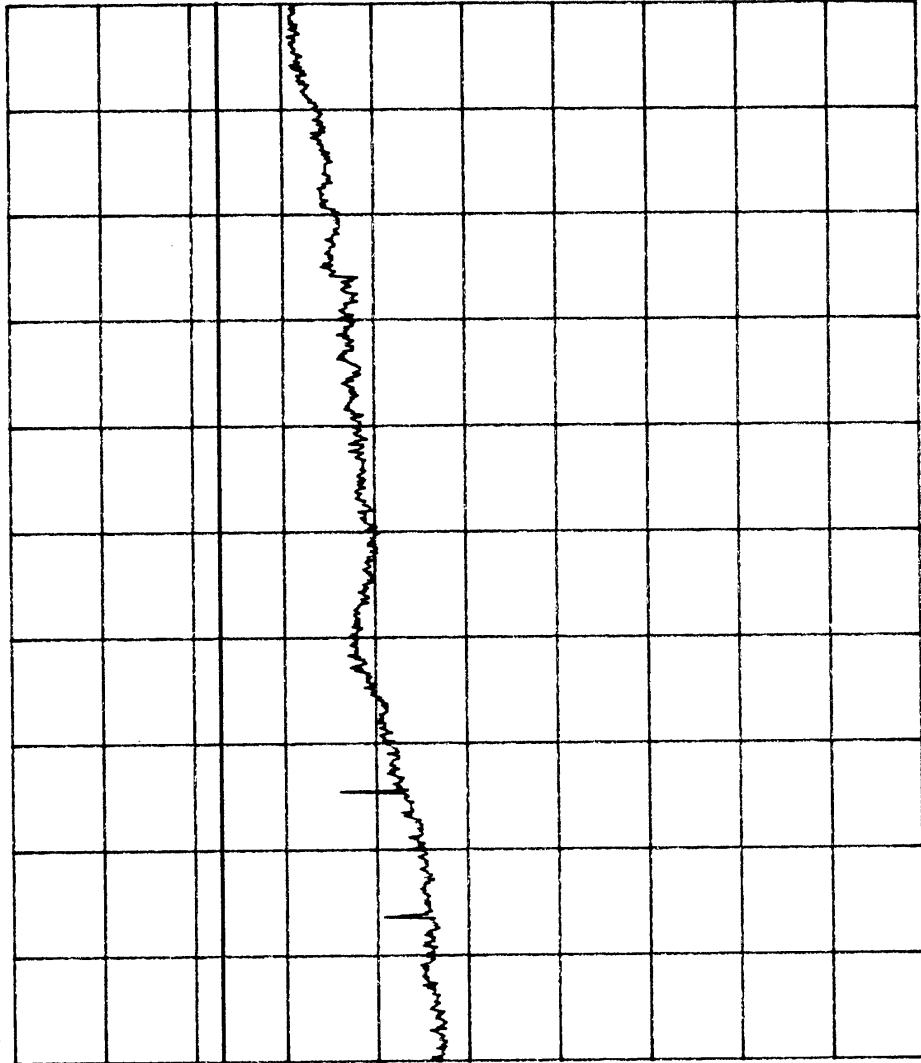
DATA SHEET 6.3.3-8



TEST: FCC RADIATED	EUT: Intersil PRISM II	S/N: 9936-0027
FREQ: 8G-18GHz	SPEC: 15.247	ANT.HT/POL: 1.5m H
DETECT: PEAK AMBIENT	LINE UNDER TEST: N/A	EUT POSITION: -
DATE: 9-30-99	TEST SITE: 3 METER	TESTER: AB

JA-1652

REF 97.0 dB μ V/m ATT 0 dB A_write B_blank
10dB/



START 8.000 GHz STOP 18.000 GHz

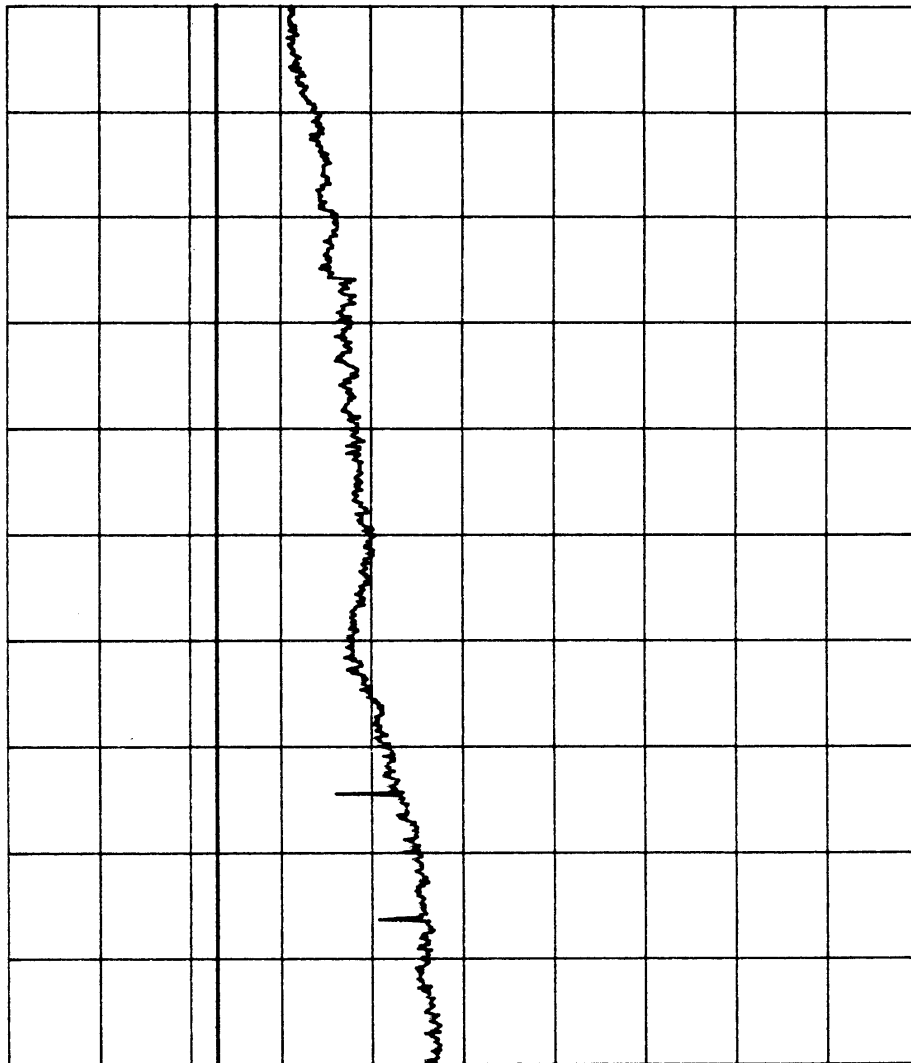
RBW 1 MHz
VBW 1 MHz
SWP 200 S

DATA SHEET 6.3.3-9



TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 8G-18GHz SPEC: 15.247 ANT.HT/POL: 1.75m V
DETECT: PEAK AMBIENT LINE UNDER TEST: N/A EUT POSITION: -
DATE: 9-30-99 TEST SITE: 3 METER TESTER: AB

REF 97.0 dB μ V/m ATT 0 dB A_write B_blank
10dB/



RBW 1 MHz
VBW 1 MHz
SWP 200 S

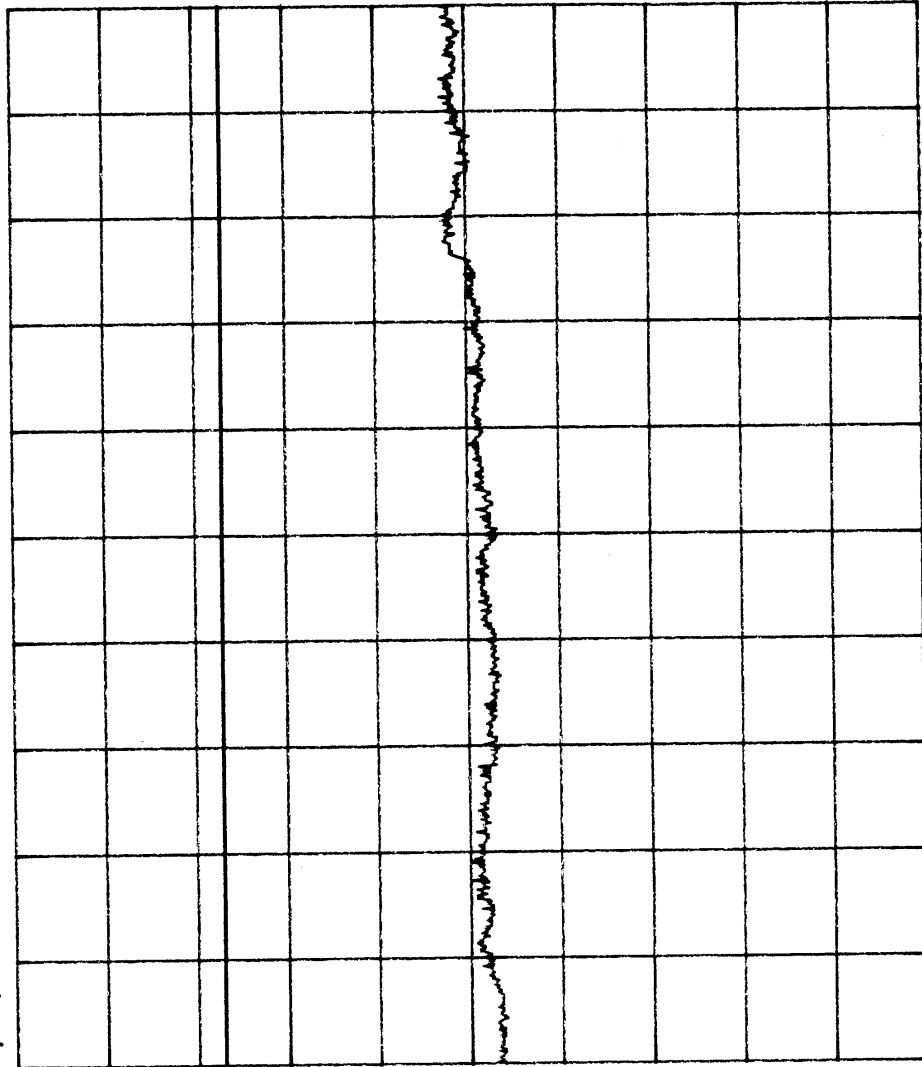
START 8.000 GHz STOP 18.000 GHz

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TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 18GHz-25GHz SPEC: 15.247 ANT.HT/POL: /S^m H
DETECT: PEAK AMBIENT LINE UNDER TEST: N/A EUT POSITION: -
DATE: 9-30-99 TEST SITE: 3 METER TESTER: *[Signature]*

REF 97.0 dB μ V/m ATT 0 dB A_write B_blank
10dB/



RBW 1 MHz
VBW 1 MHz
SWP 200 S

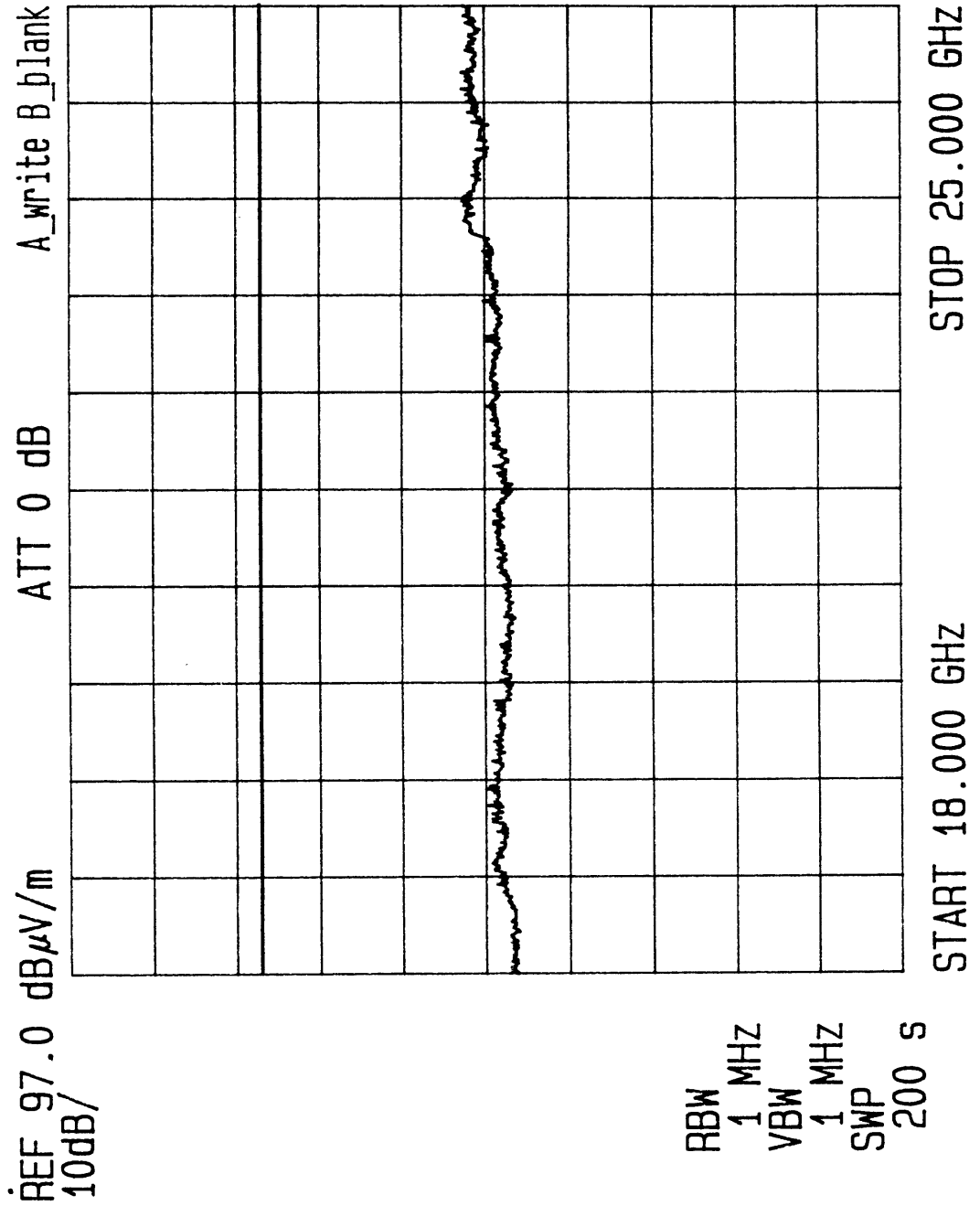
START 18.000 GHZ STOP 25.000 GHZ

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DATA SHEET 6.3.3-11



TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 18GHz-25GHz SPEC: 15.247 ANT.HT/POL: 1.5m V
DETECT: PEAK AMBIENT LINE UNDER TEST: N/A EUT POSITION: -
DATE: 9-30-99 TEST SITE: 3 METER TESTER: *[Signature]*



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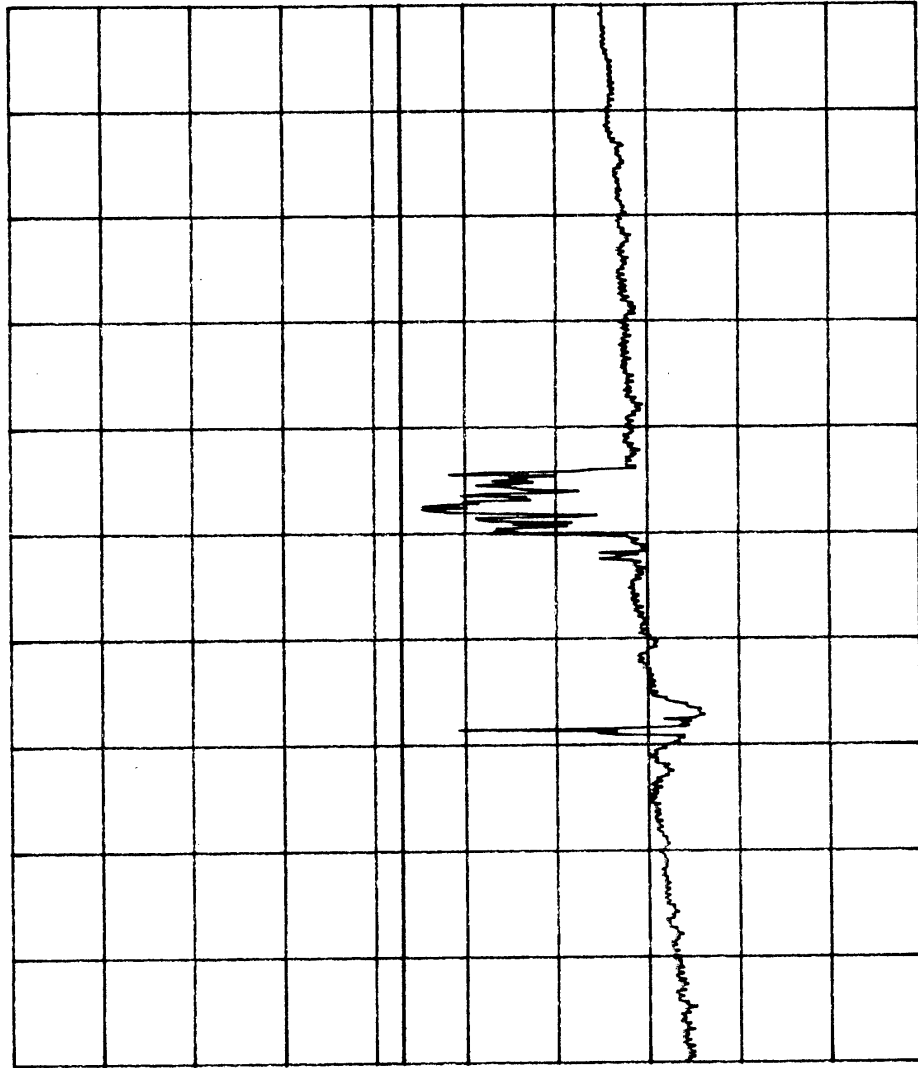
DATA SHEET 6.3.3-12



TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 1G-4GHZ SPEC: 15.247 ANT.HT/POL: 1.5m \ H
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A EUT POSITION: -
DATE: 9-30-99 TEST SITE: 3 METER TESTER: *AB*

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REF 97.0 dB μ V/m ATT 0 dB A_write B_blank
10dB/



START 1.000 GHz STOP 4.000 GHz

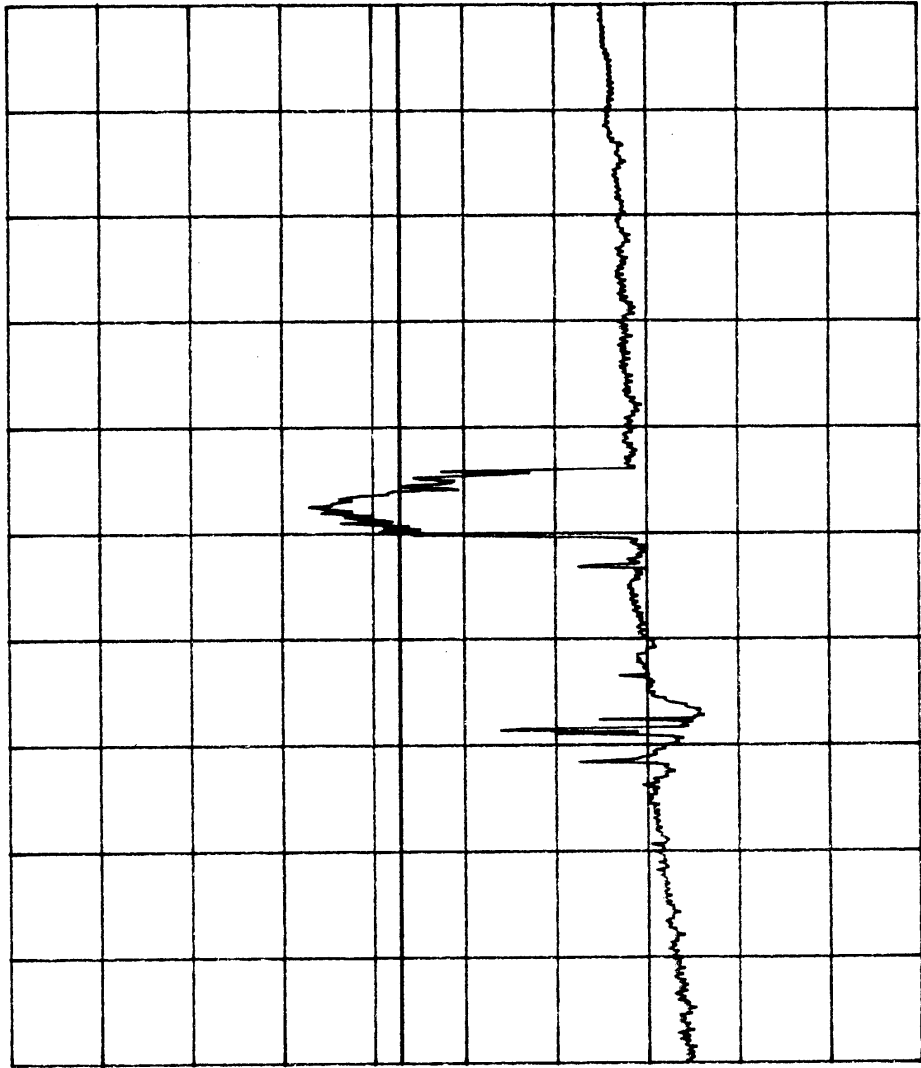
RBW 1 MHz
VBW 10 Hz
SWP 600 S

DATA SHEET 6.3.3-13



TEST: FCC RADIATED	EUT: Intersil PRISM II	S/N: 9936-0027
FREQ: 1G-4GHz	SPEC: 15.247	ANT.HT/POL: 1.75m V
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A	EUT POSITION: -	
DATE: 9-30-99	TEST SITE: 3 METER	TESTER: <i>ATB</i>

REF 97.0 dB μ V/m ATT 0 dB A_write B_blank
10dB/



RBW 1 MHz
VBW 10 Hz
SWP 600 S

START 1.000 GHz STOP 4.000 GHz

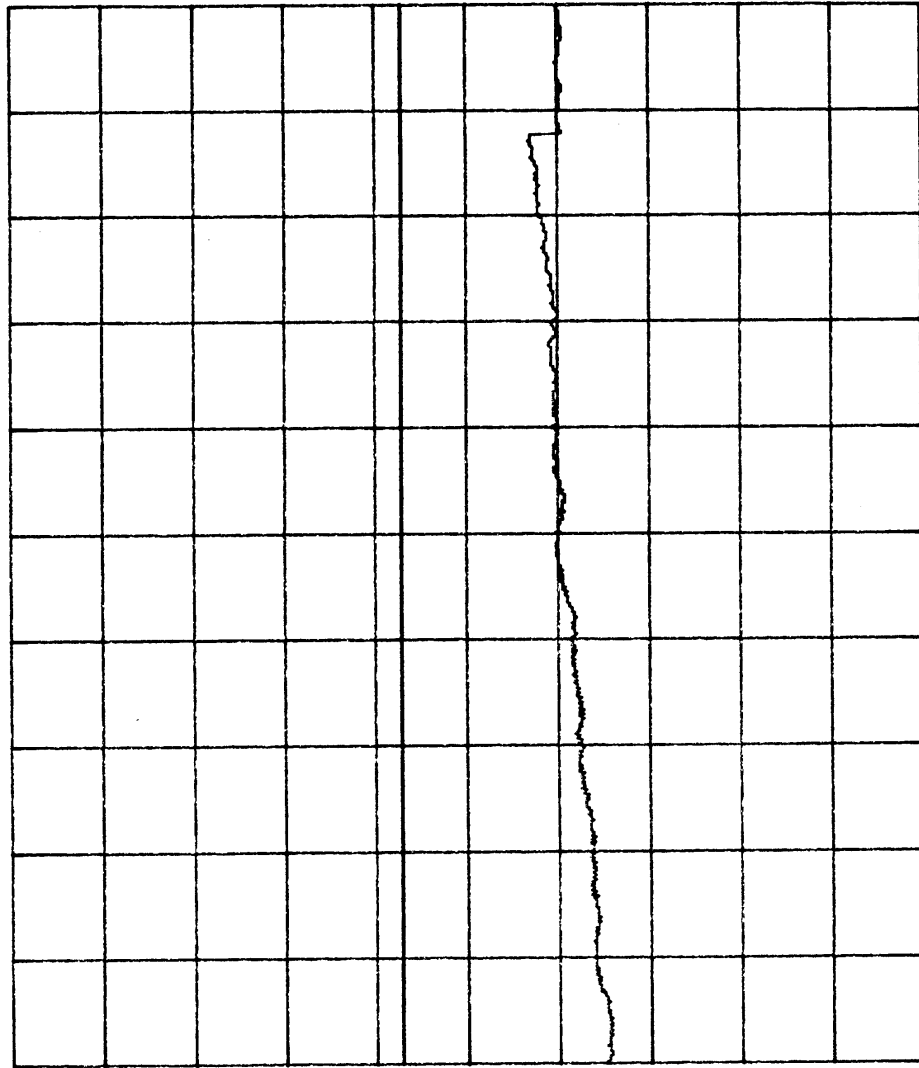
JA-1652

DATA SHEET 6.3.3-14



TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 4G-8GHz SPEC: 15.247 ANT.HT/POL: 1.75m H
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A EUT POSITION:
DATE: 9-30-99 TEST SITE: 3 METER TESTER: AB

REF 97.0 dB μ V/m ATT 0 dB A_write B_blank
10dB/



RBW 1 MHz
VBW 10 Hz
SWP 800 S

START 4.000 GHz STOP 8.000 GHz

JA-1652

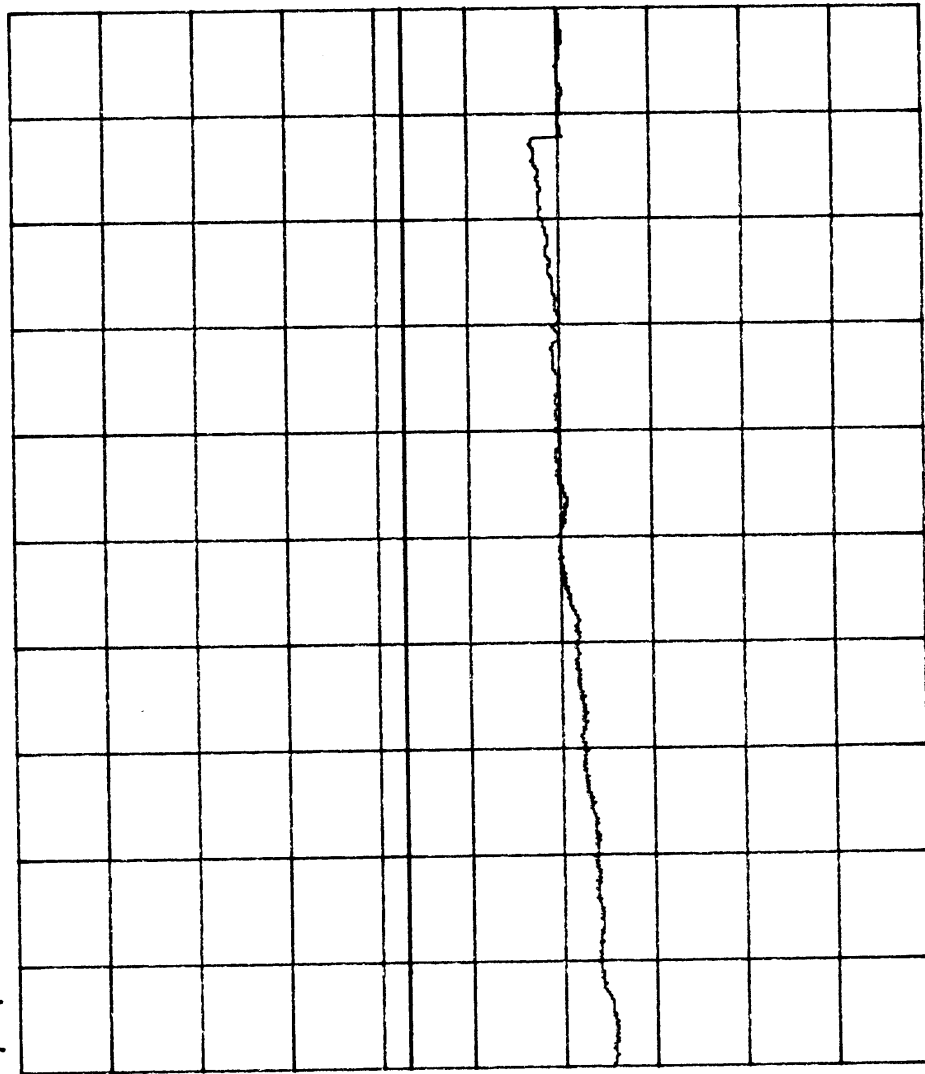
DATA SHEET 6.3.3-15



TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 4G-8GHZ SPEC: 15.247 ANT.HT/POL: 1.75m V
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A EUT POSITION: -
DATE: 9-30-97 TEST SITE: 3 METER TESTER: *AB*

JA-1652

REF 97.0 dB μ V/m ATT 0 dB A_write B_blank
10dB/



START 4.000 GHz STOP 8.000 GHz

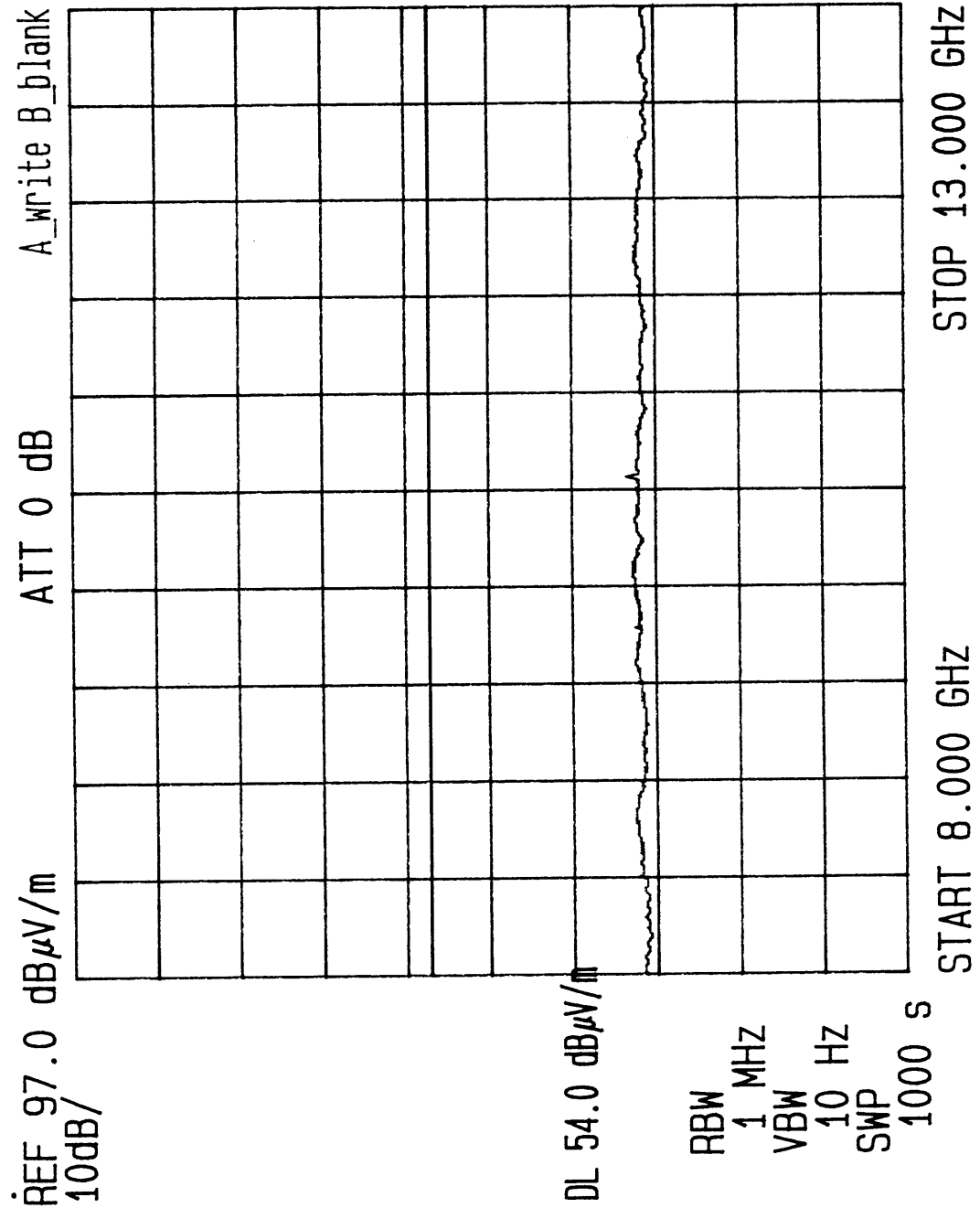
RBW 1 MHz
VBW 10 Hz
SWP 800 S

DATA SHEET 6.3.3-16



TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 8G-13GHz SPEC: 15.247 ANT.HT/POL: 1.5m H
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A EUT POSITION: -
DATE: 9-29-99 TEST SITE: 3 METER TESTER: AB

JA-1652

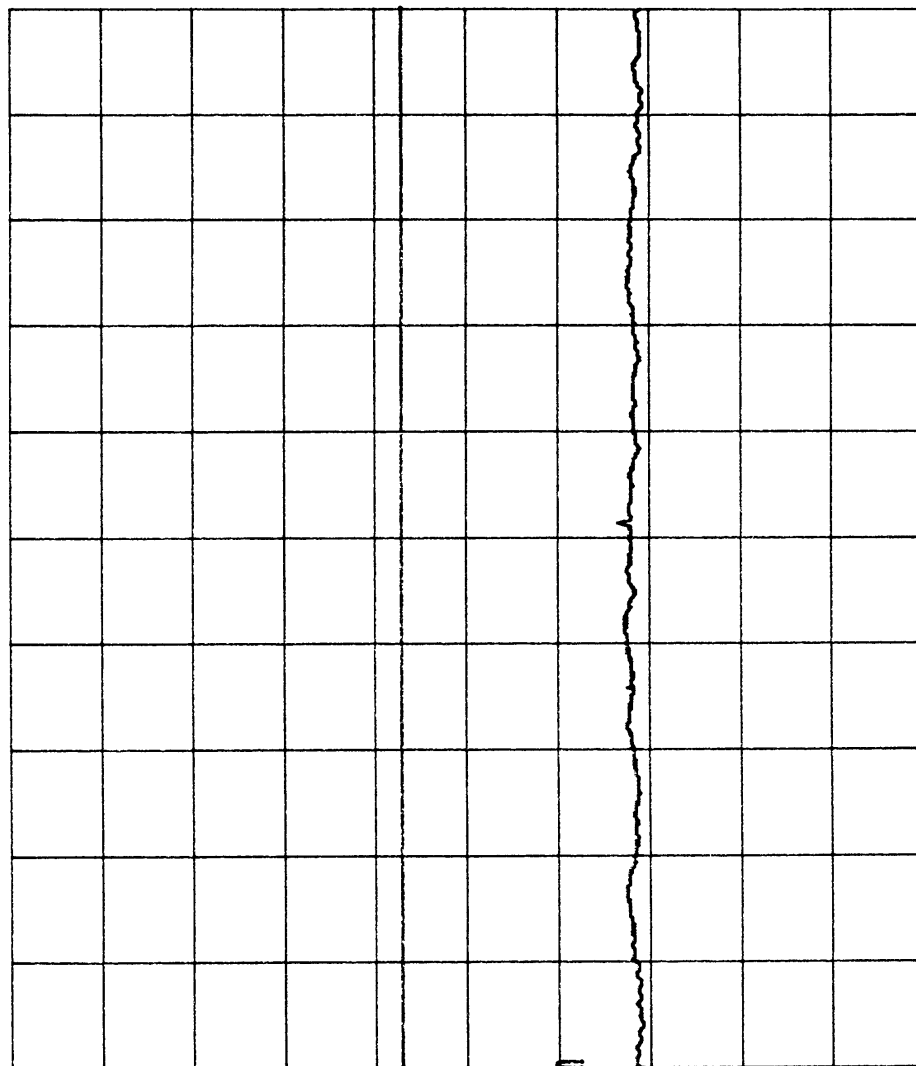


DATA SHEET 6.3.3-17



TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 8G-13GHz SPEC: 15.247 ANT. HT/POL: 1.75m V
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A EUT POSITION: -
DATE: 9-29-99 TEST SITE: 3 METER TESTER: *AB*

REF 97.0 dB μ V/m ATT 0 dB A_write B_blank
10dB/



DL 54.0 dB μ V/m

RBW 1 MHz
VBW 10 Hz
SWP 1000 S

START 8.000 GHz STOP 13.000 GHz

JA-1652

DATA SHEET 6.3.3-18

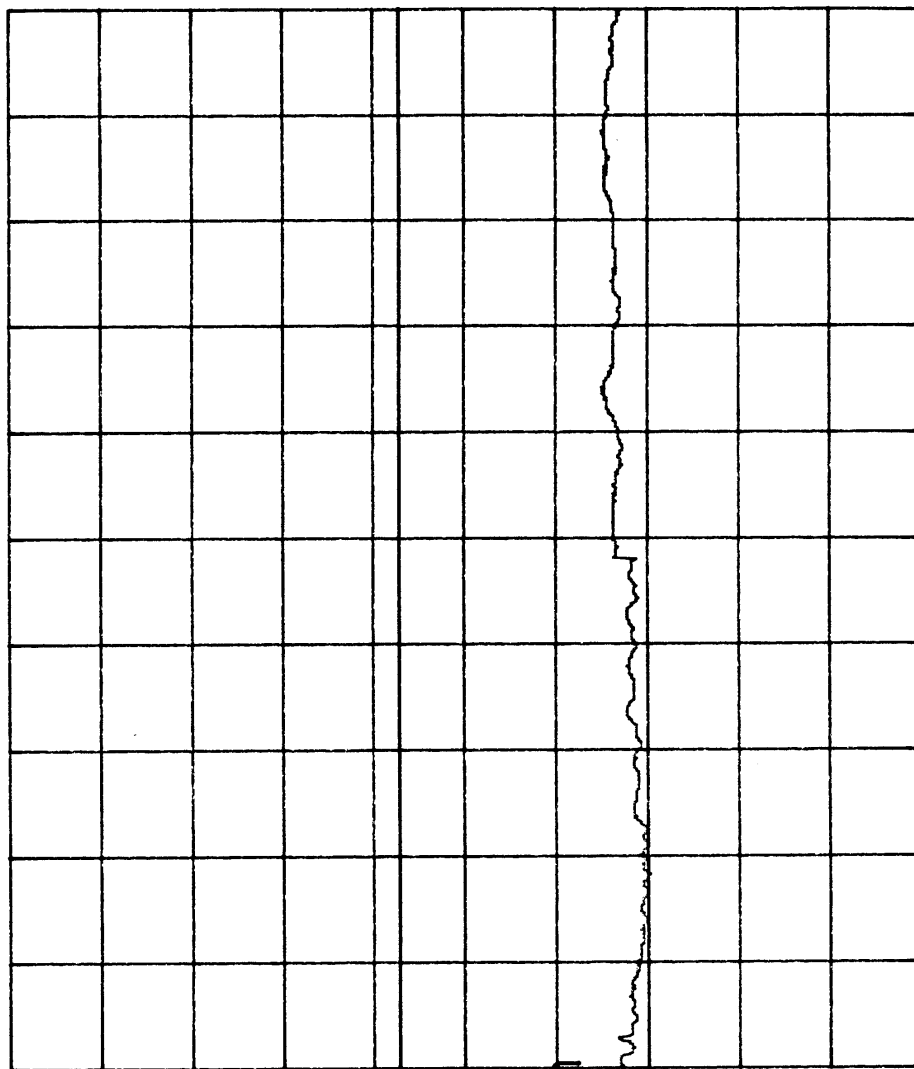


TEST: FCC RADIATED	EUT: Intersil PRISM II	S/N: 9936-0027
FREQ: 13G-18GHz	SPEC: 15.247	ANT.HT/POL: /m H
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A	EUT POSITION: -	
DATE: 9-29-99	TEST SITE: 3 METER	TESTER: <i>AB</i>

REF 97.0 dB μ V/m
10dB/

ATT 0 dB

A_write B_blank



DL 54.0 dB μ V/m

RBW 1 MHz
VBW 10 Hz
SWP 1000 S

START 13.000 GHz

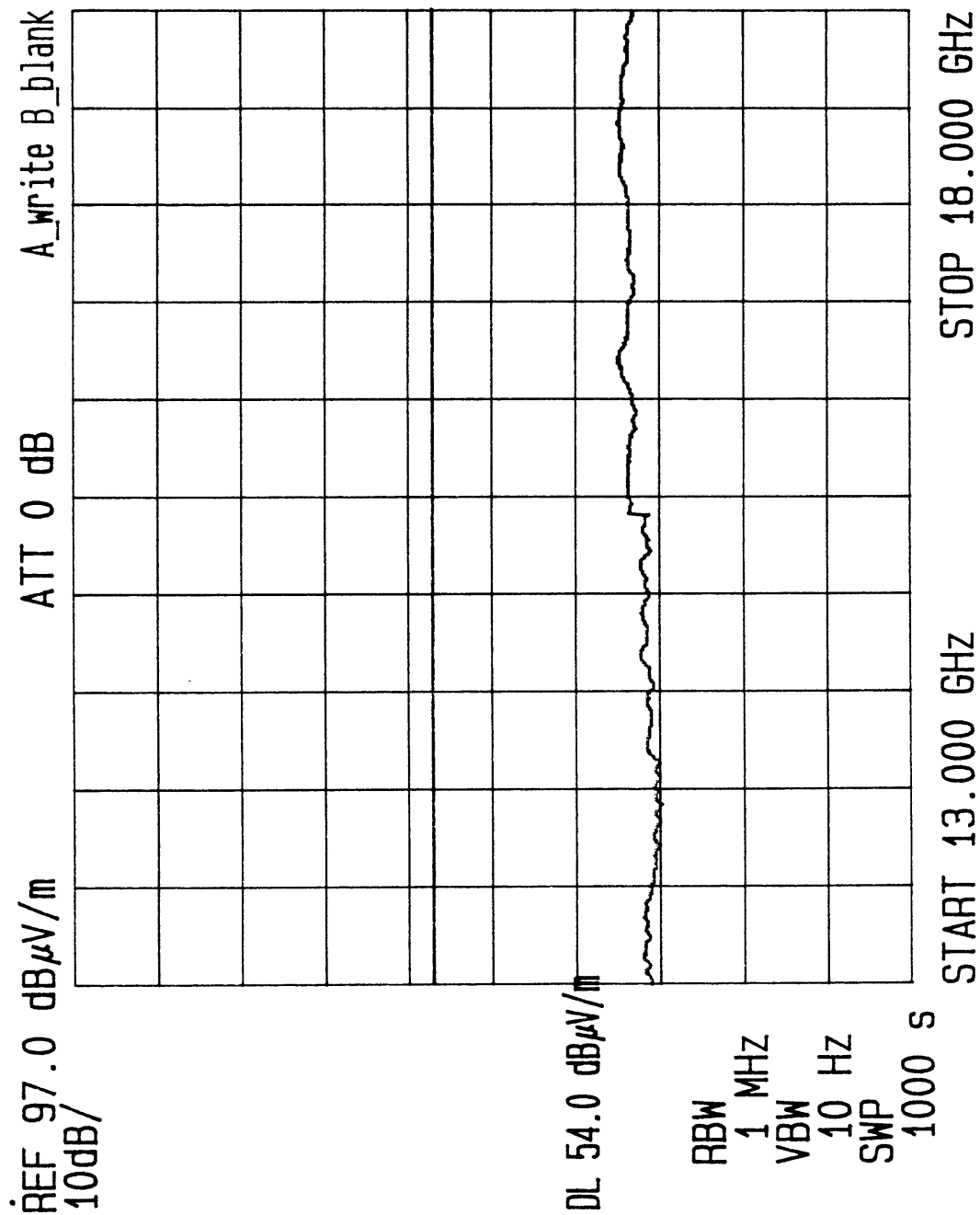
STOP 18.000 GHz

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TEST: FCC RADIATED	EUT: Intersil PRISM II	S/N: 9936-0027
FREQ: 13G-18GHz	SPEC: 15.247	ANT.HT/POL: /u \ V
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A	EUT POSITION: --	
DATE: 9-29-99	TEST SITE: 3 METER	TESTER: AB

JA-1652

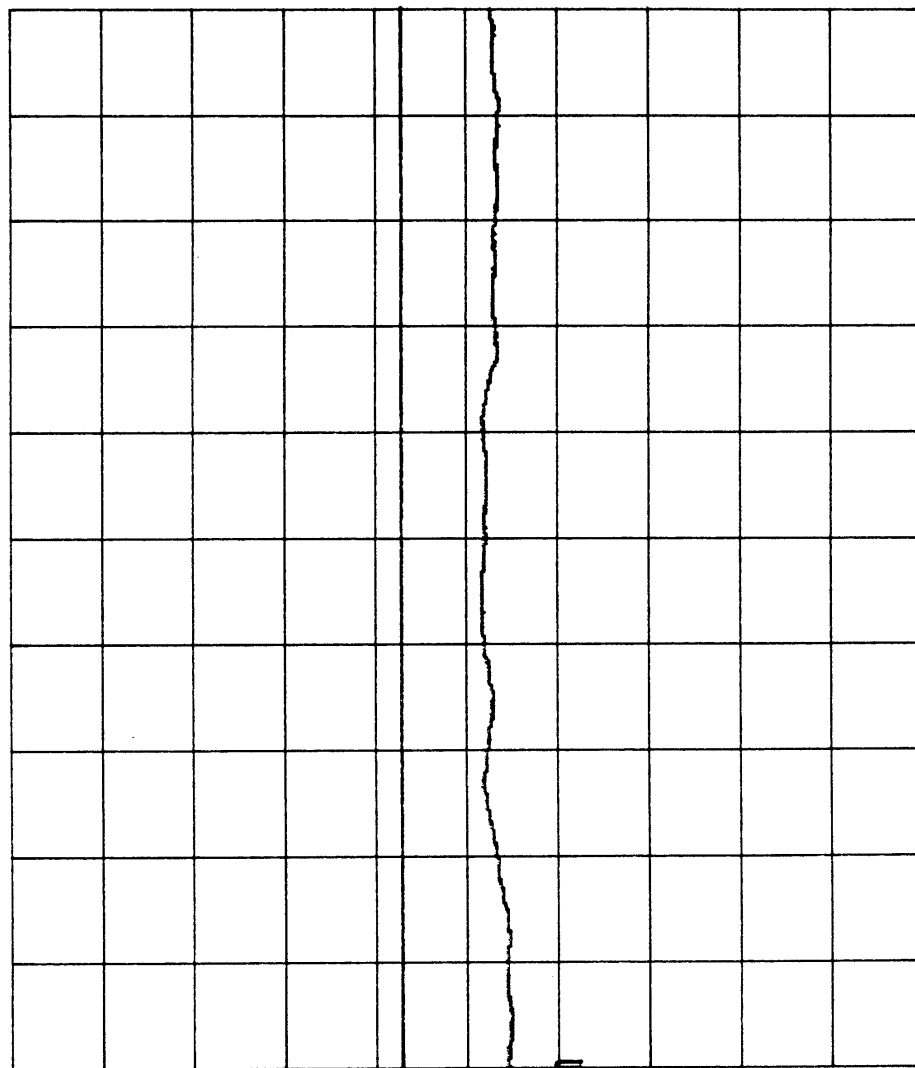


DATA SHEET 6.3.3-20



TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 18G-21GHz SPEC: 15.247 ANT.HT/POL: /m H
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A EUT POSITION: --
DATE: 9-29-99 TEST SITE: 3 METER TESTER: *AB*

REF 97.0 dB μ V/m ATT 0 dB A_write B_blank
10dB/



DL 54.0 dB μ V/m

RBW 1 MHz
VBW 10 Hz
SWP 600 s

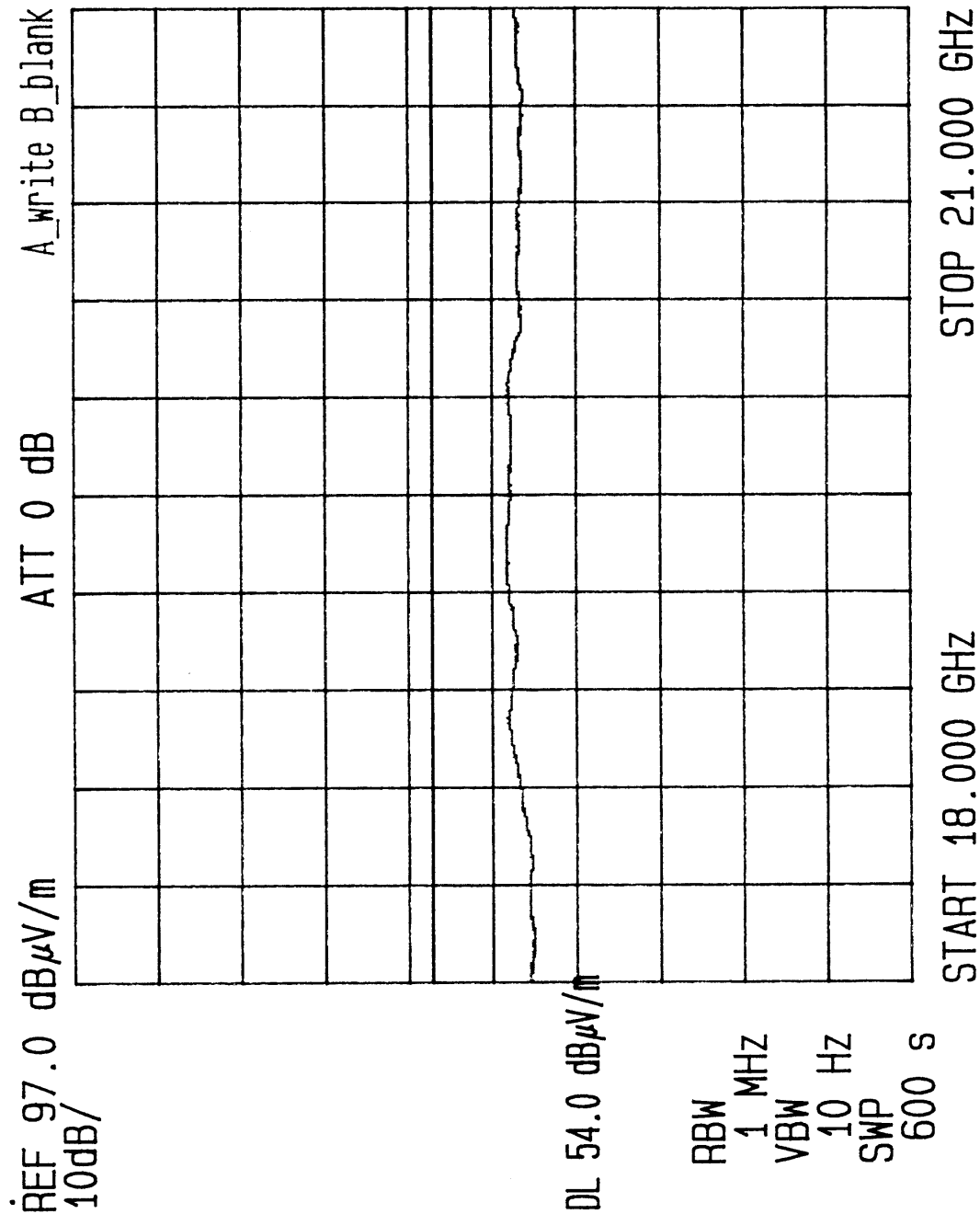
START 18.000 GHz STOP 21.000 GHz

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TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 18G-21GHz SPEC: 15.247 ANT.HT/POL: 1.75m V
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A EUT POSITION: -
DATE: 9-29-99 TEST SITE: 3 METER TESTER: *AB*

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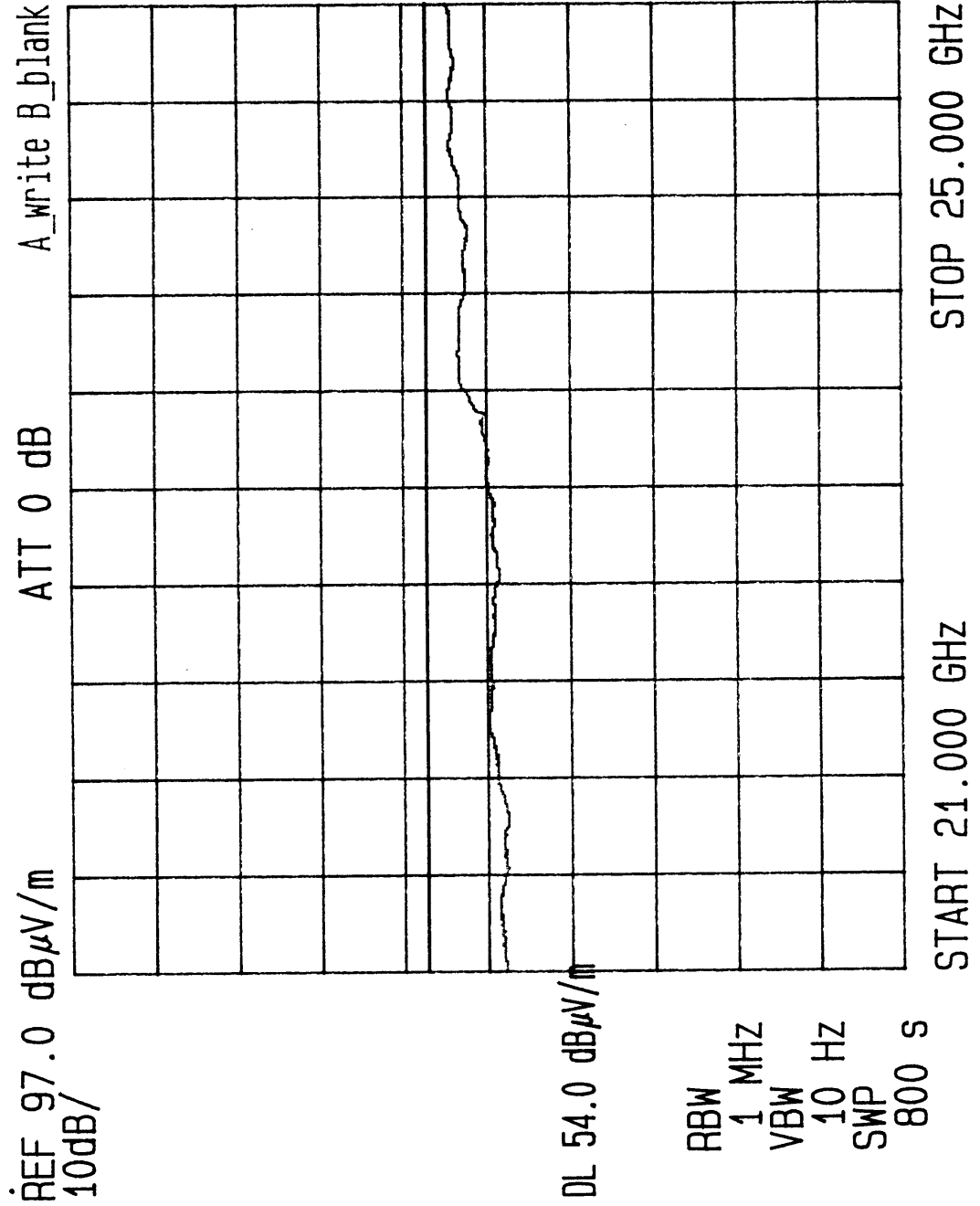


DATA SHEET 6.3.3-22



TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 21G-25GHz SPEC: 15.247 ANT. HT/POL: 1.5u H
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A EUT POSITION: ~
DATE: 9-29-99 TEST SITE: 1 METER TESTER: MB

JA-1652

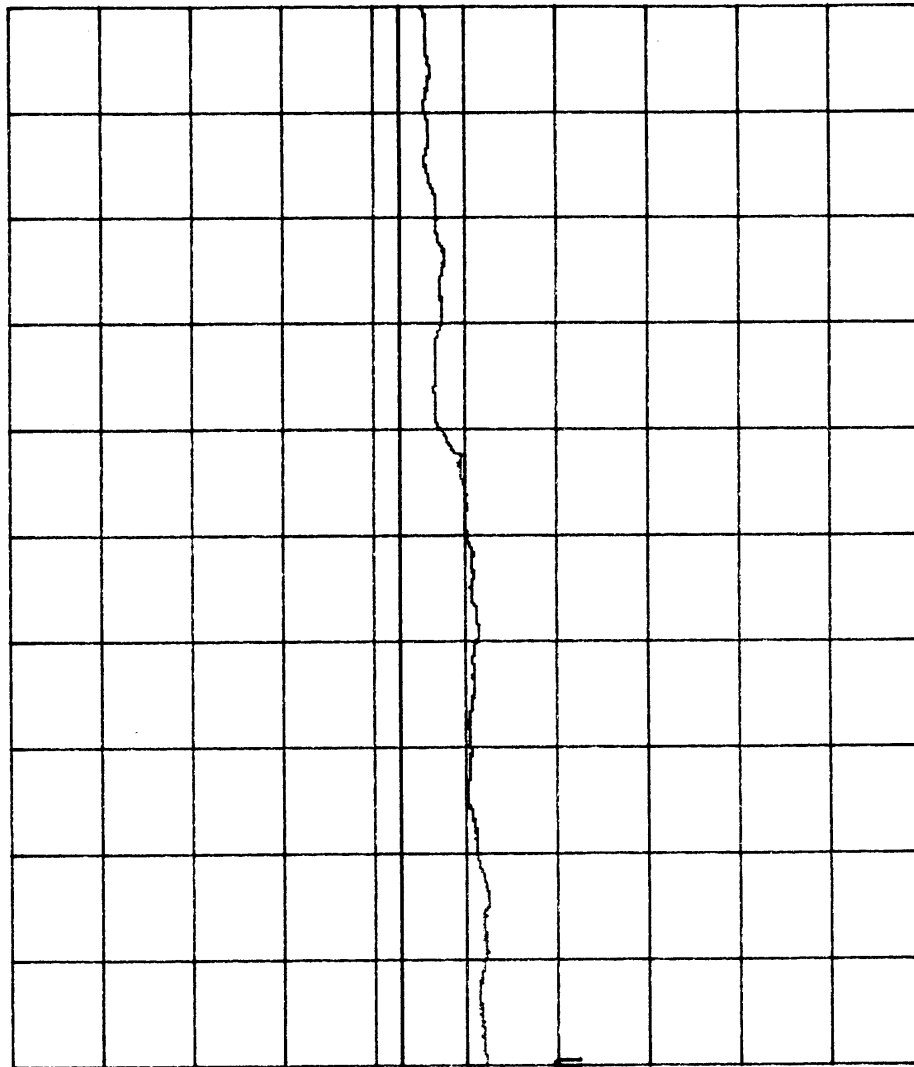


DATA SHEET 6.3.3-23



TEST: FCC RADIATED EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 21G-25GHz SPEC: 15.247 ANT.HT/POL: (1.5m) V
DETECT: AVERAGE AMBIENT LINE UNDER TEST: N/A EUT POSITION: -
DATE: 9-29-99 TEST SITE: 1 METER TESTER: *AB*

REF 97.0 dB μ V/m ATT 0 dB A_write B_blank
10dB/



DL 54.0 dB μ V/m

RBW 1 MHz
VBW 10 Hz
SWP 800 S

START 21.000 GHz STOP 25.000 GHz

DATA SHEET 6.3.3-24

6.4 Operation Within The Bands (2.4GHz-2.4835GHz) 15.204(2)(b)(c)(d)

6.4.1 6dB Bandwidth 15.247(2)

The minimum 6dB bandwidth must be greater than 500KHz. Data Sheets 6.4.1-1 through 6.4.1-3 show the measured 6dB points to give a bandwidth of 10.1MHz at the MIN, MID and MAX frequency tested. The system exceeds the 500KHz minimum bandwidth.

Photo 3 is representative of the 6dB bandwidth setup.

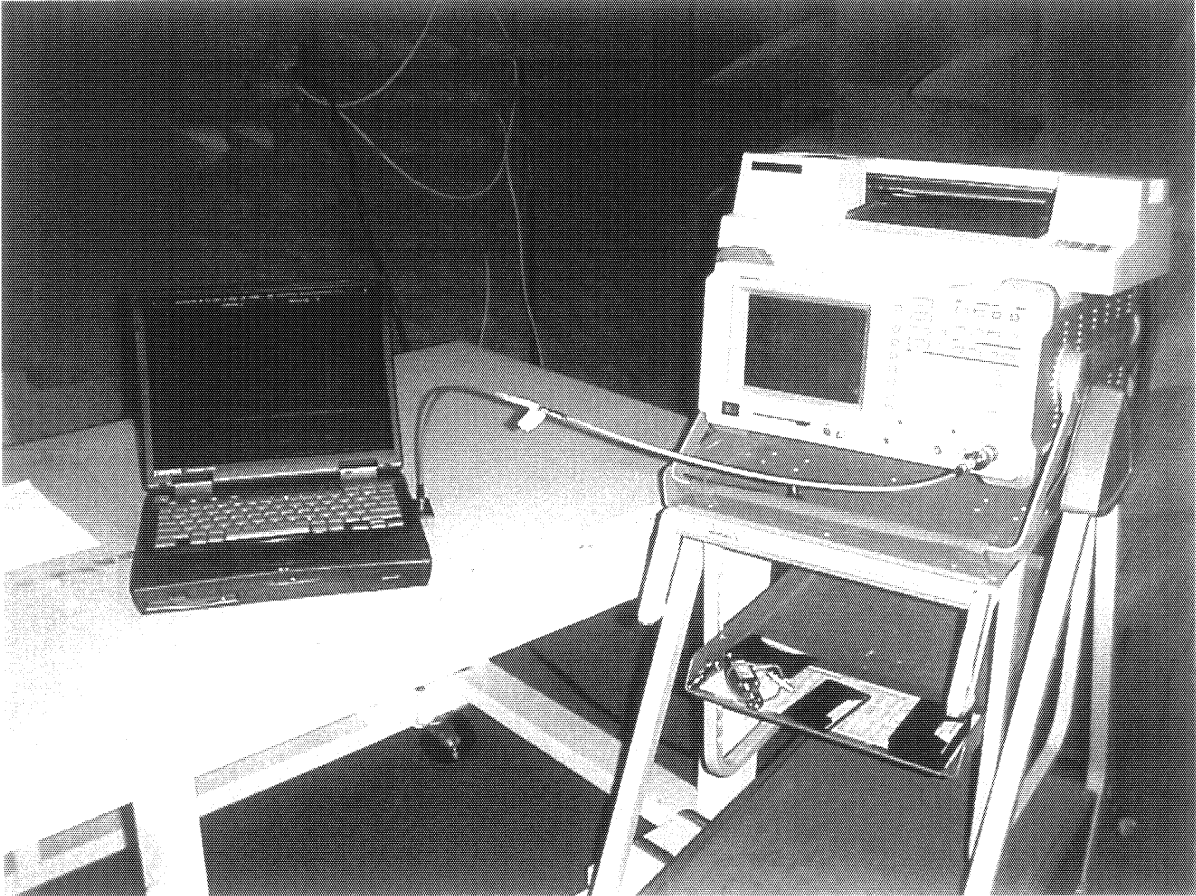
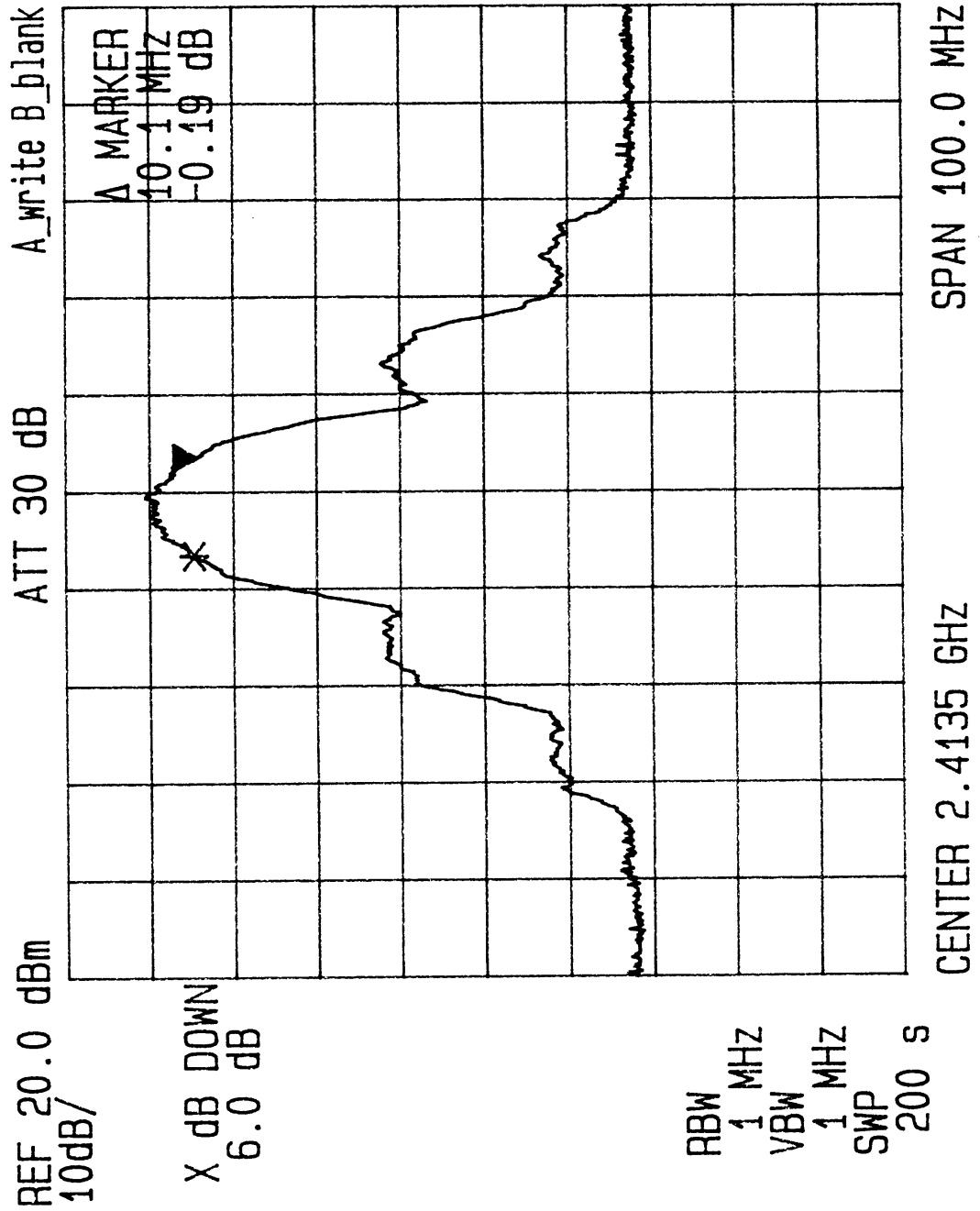


PHOTO 3



TEST: FCC 6dB BANDWIDTH EUT: Intersil PRISM II S/N: 9936-0027
FREQ: 2.412 GHz SPEC: 15.247 (a) (2) ANT. HT/POL:
DETECT: PEAK LINE UNDER TEST: N/A EUT POSITION:
DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: *AB*

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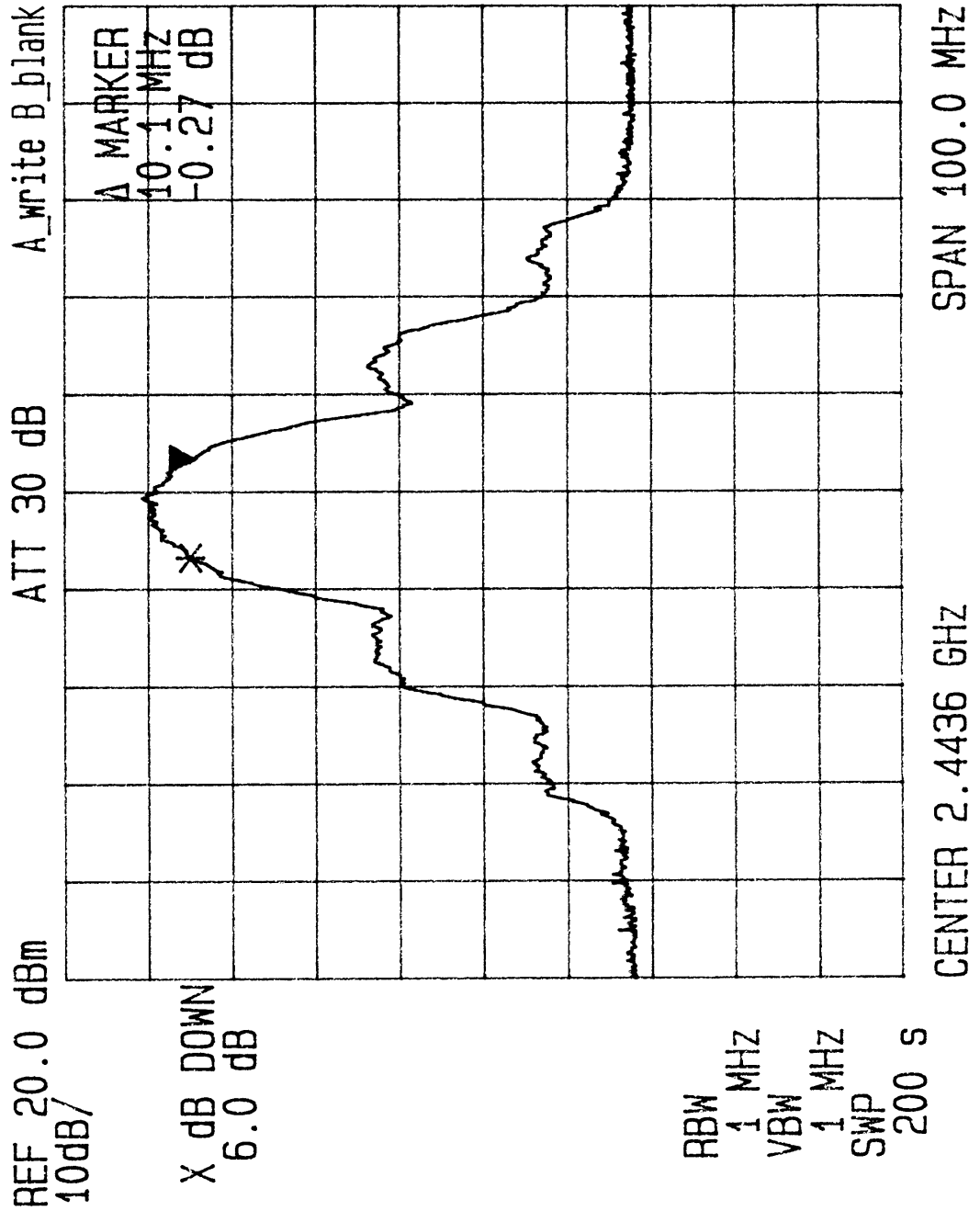


DATA SHEET 6.4.1-1



TEST: FCC 6dB BANDWIDTH EUT: Intersil PRISM II S/N: 9936-0027
 FREQ: 2.442 GHz SPEC: 15.247 (a) (2) ANT. HT/POL:
 DETECT: PEAK LINE UNDER TEST: N/A EUT POSITION:
 DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: AB

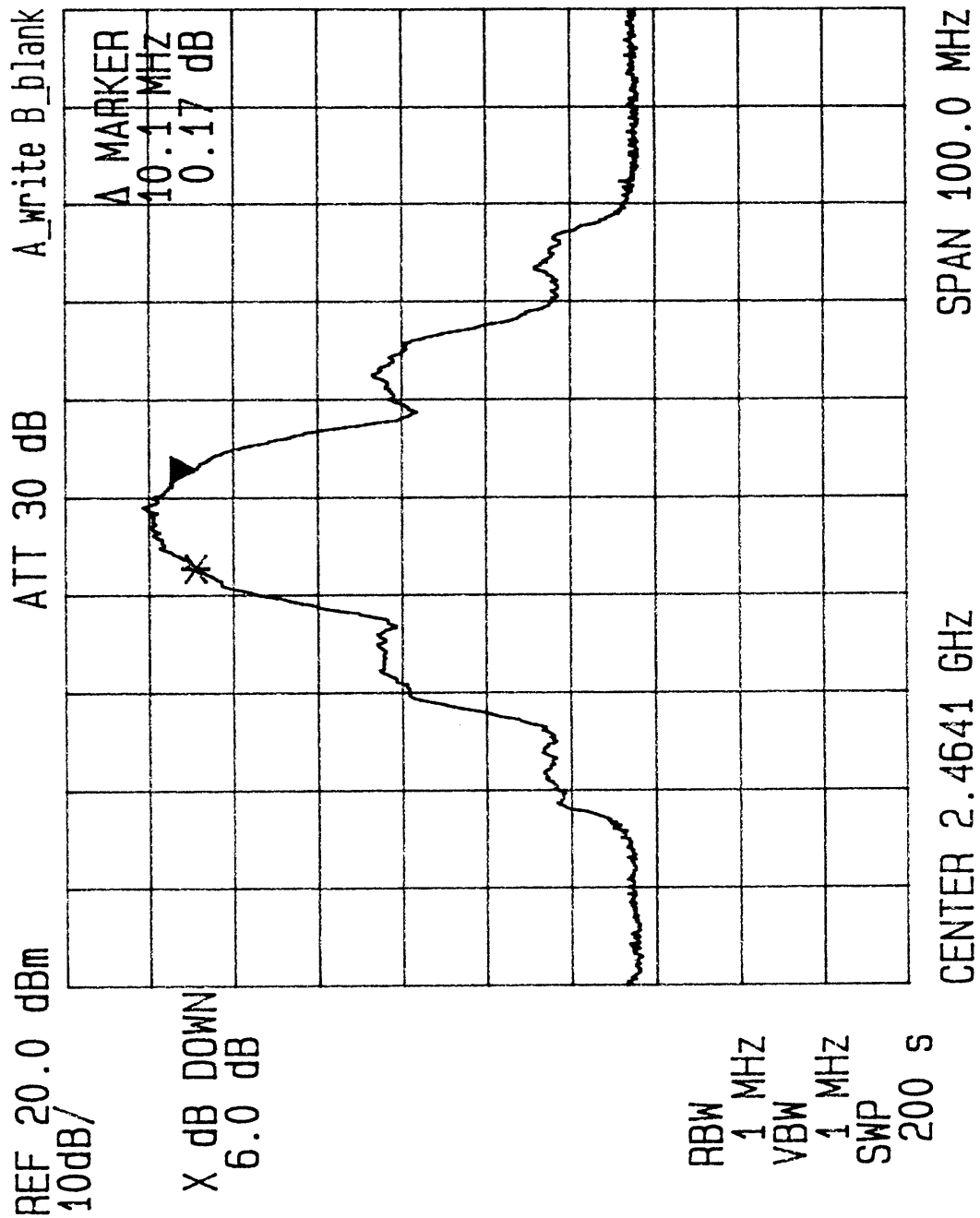
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DATA SHEET 6.4.1-2



TEST: FCC 6dB BANDWIDTH EUT: Intersil PRISM II S/N: 9936-0027
 FRFQ: 2.462 GHz ANT.HT/POL: -
 DETECT: PEAK LINE UNDER TEST: N/A EUT POSITION: -
 DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: AB



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DATA SHEET 6.4.1-3

6.4.2 Peak Output Power 15.247(2)(b)

The peak output power to the antenna shall not exceed 1 watt.

The unit under test (UUT) was configured to continuously transmit. The highest emission level within the authorized band was measured. The peak power level is recorded below. The carrier frequency of the UUT was 2412MHz, 2437MHz and 2465MHz. The MID, MIN and MAX data rates were used.

The data is presented below for each frequency. All levels were below the 1 watt peak power limit.

MIN TX FREQ.	<u>2.412GHz</u>	MODULATION	MIN <u>16.6dBm</u> MID <u>16.7dBm</u> MAX <u>16.6dBm</u>
MID TX FREQ.	<u>2437GHz</u>	MODULATION	MIN <u>16.9dBm</u> MID <u>17.1dBm</u> MAX <u>17.0dBm</u>
MAX TX FREQ.	<u>2465GHz</u>	MODULATION	MIN <u>16.9dBm</u> MID <u>17.0dBm</u> MAX <u>16.9dBm</u>

6.4.3 Out of Band Emission 15.247(2)(c)

Out of band measurements were made on the antenna port of the RF unit. The measurement was made over the 2-25GHz range using the 100KHz RBW. Data Sheets 6.4.3-1 through 6.4.3-6 present the scan across the entire range at the MIN, MID and MAX frequency. The plot demonstrates that there is greater than 20dB separation between the intended signal and any other signals in the range.

Data Sheet 6.4.3-7 was included to show the setup for restricted band testing where the start frequency and marker number "1" represented one restricted band (2.310-2.390GHz). Furthermore, marker number "2" and the stop frequency represent another

restricted band (2.4835 - 2.20GHz). Any signal falling into the restricted band was below the display line which represents the peak or average limit.

Data Sheets 6.4.3-8 through 6.4.3-11 demonstrates that 1MBPS data rate was used as the worse case. These data sheets are representative of the MIN and MAX frequencies, those being the closest to each restricted band.

Photo 4 is representative of the restricted band test setup.

Data Sheets 6.4.3-12 through 6.4.3-23 present the MIN, MID and MAX frequencies using 1MBPS modulation demonstrating that any side band falling into a restricted band is below the 15.209(a) limit. All frequencies are on file at Rubicom Systems.

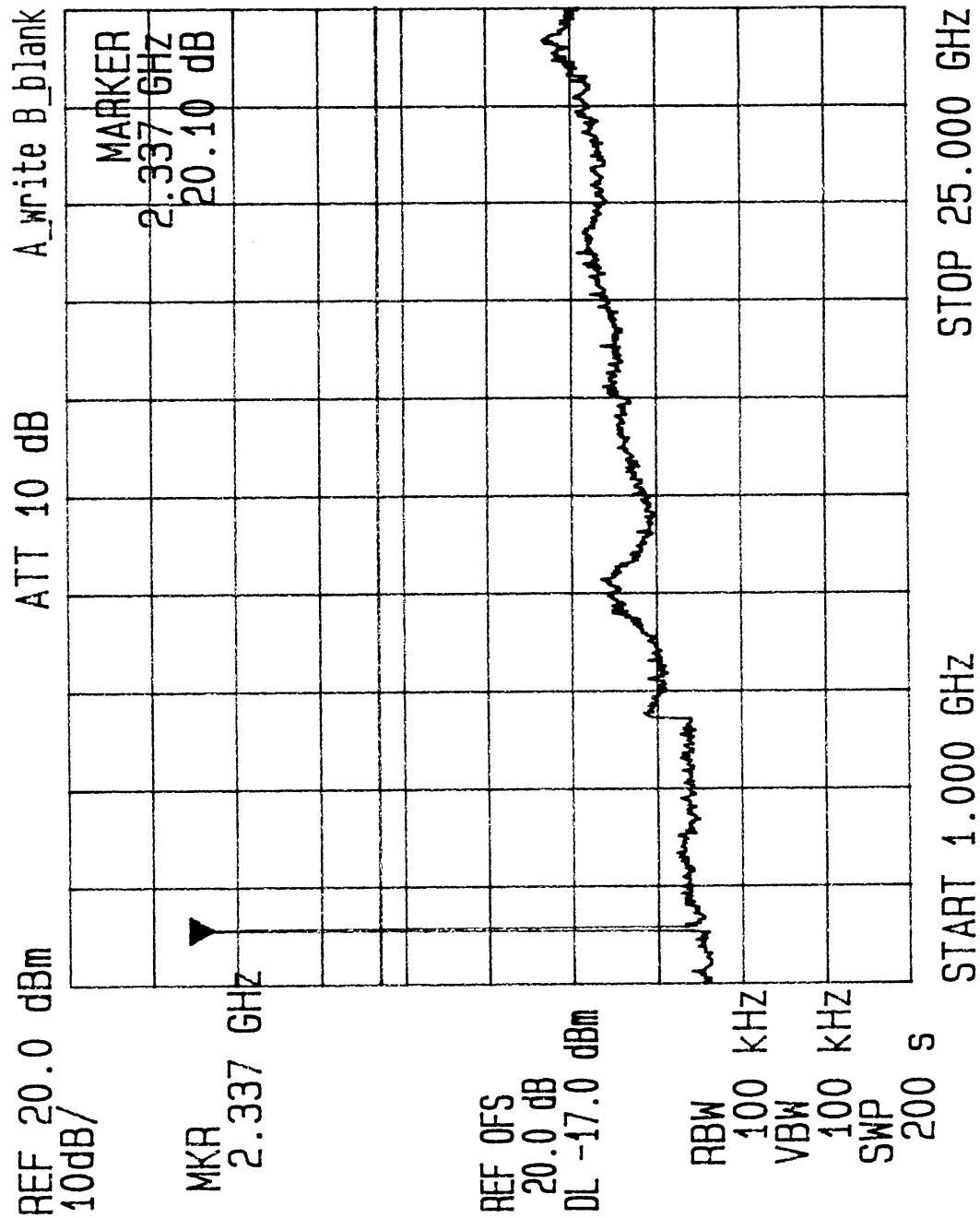


PHOTO 4



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: 2.412G (1 Mbps) EUT POSITION: --
DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: *AB*

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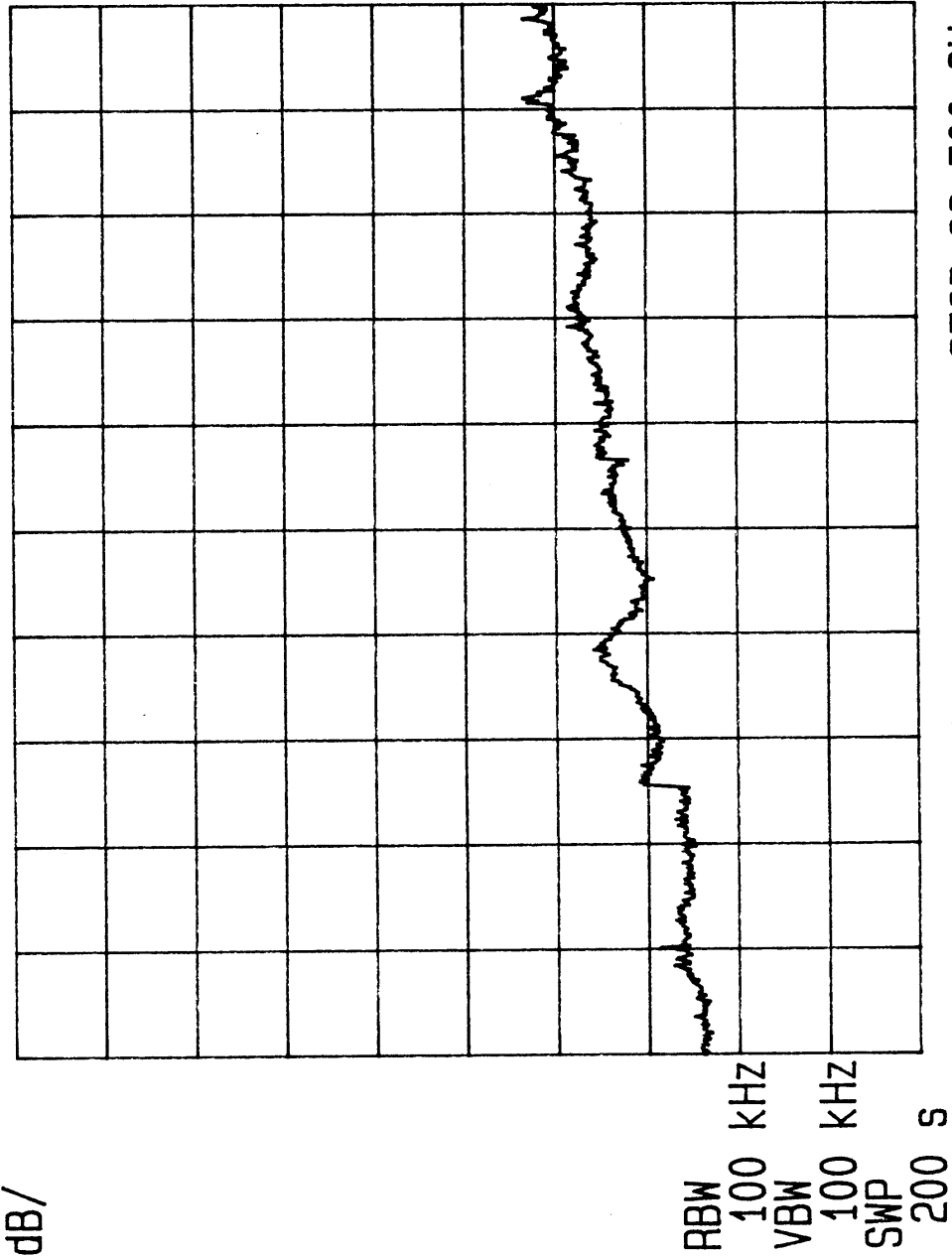


DATA SHEET 6.4.3-1



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: 2.412G (1 Mbps) EUT POSITION:
DATE: 10-1-95 TEST SITE: ROOM 1 TESTER: *BB*

REF 0.0 dBm ATT 10 dB A_write B_blank
10dB/



START 1.000 GHZ STOP 26.500 GHZ

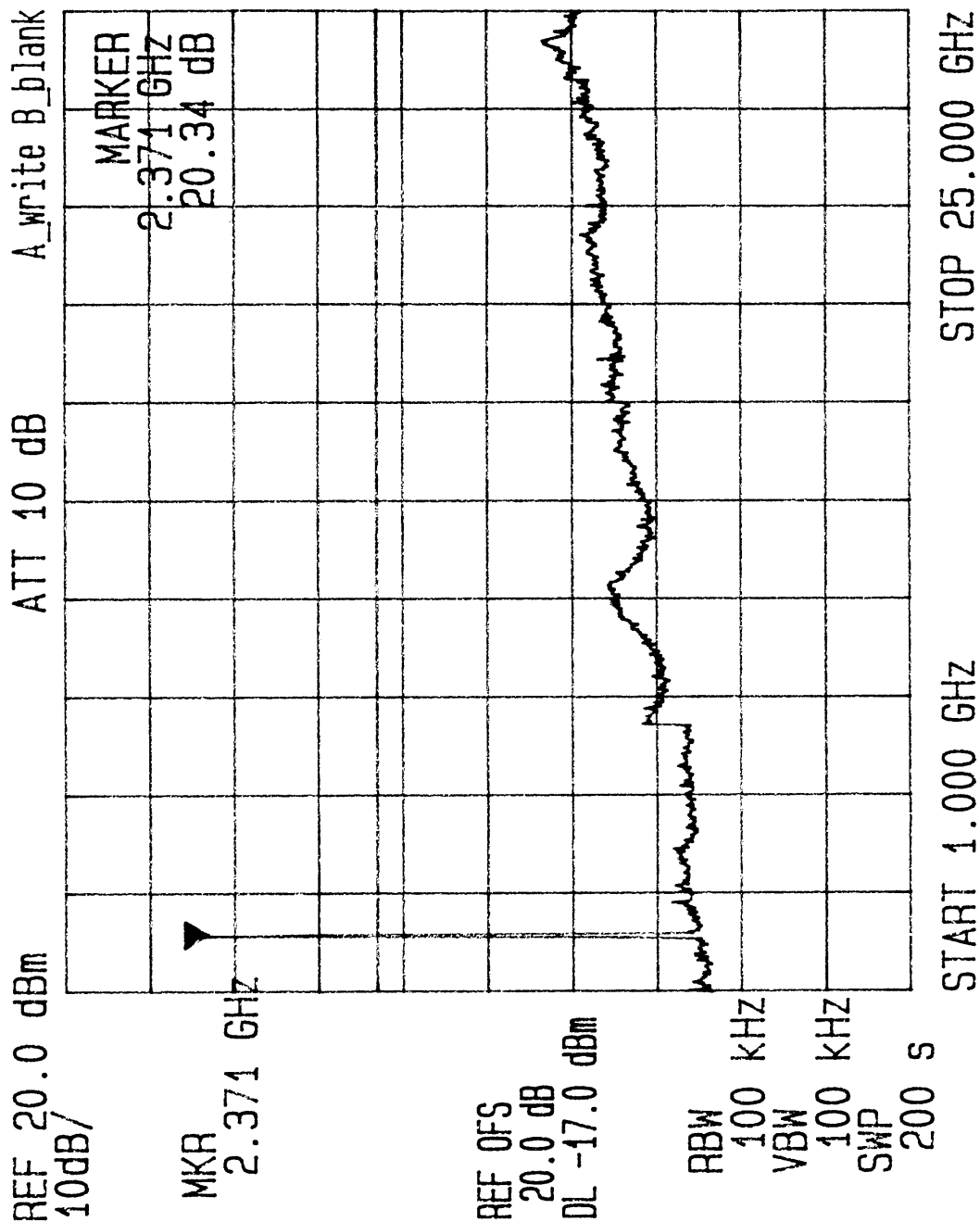
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DATA SHEET 6.4.3-2



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: 2.437G (1 Mbps) EUT POSITION: -
DATE: 10-1-99 TEST SITE: ROOM 1 TESTER: *AB*

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DATA SHEET 6.4.3-3