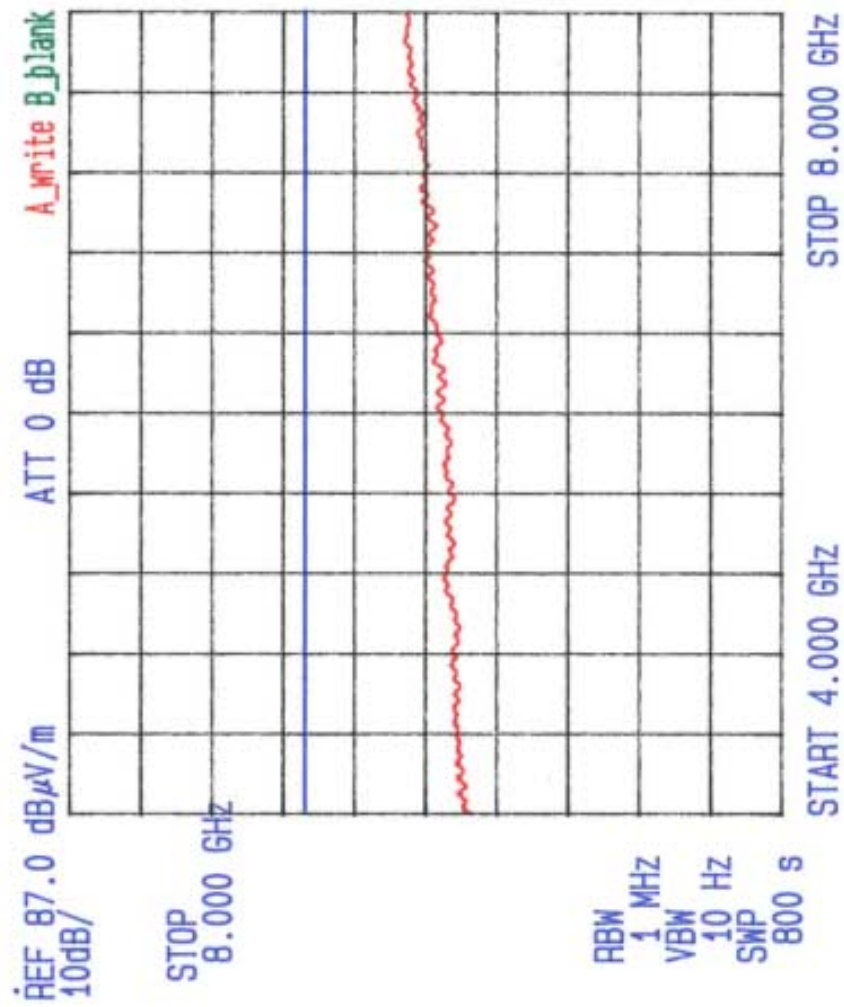
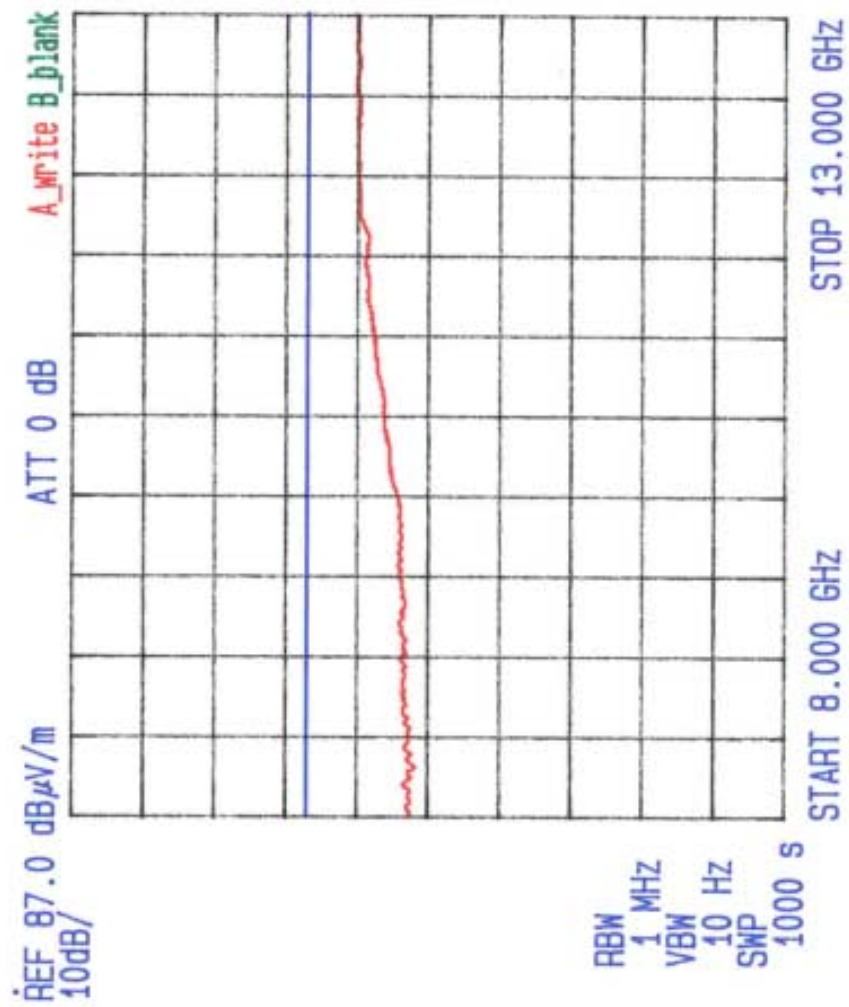


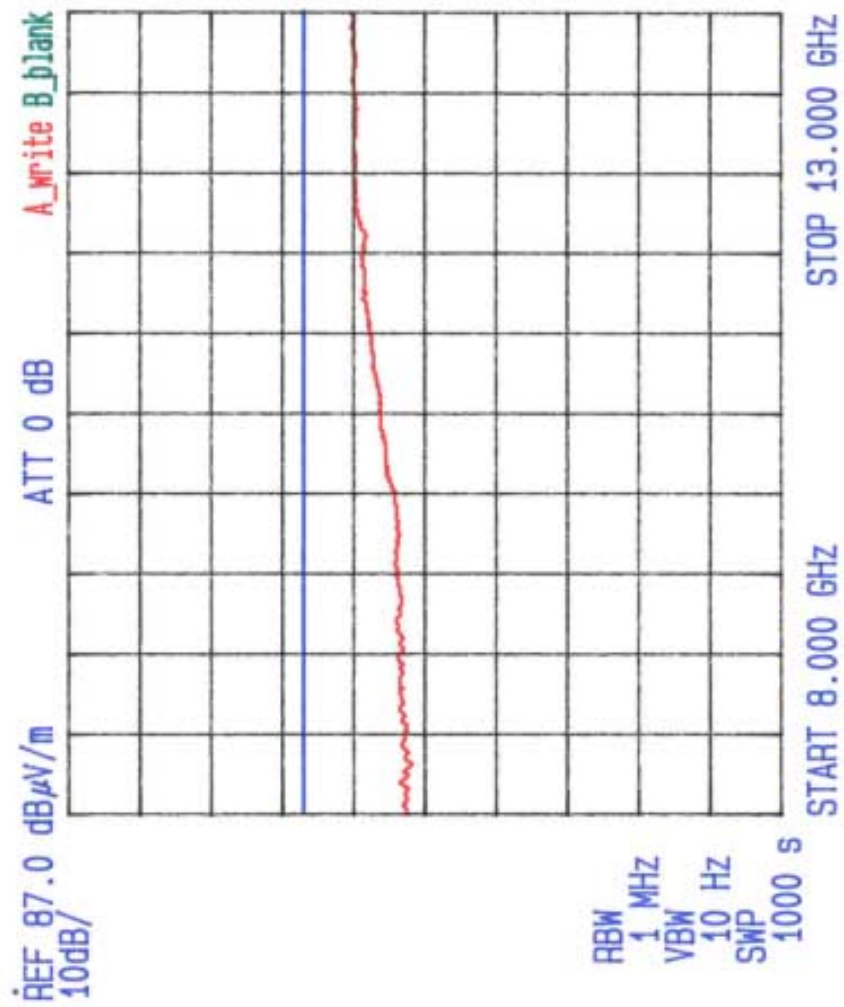
TEST: FCC RADIATED	EUT: ISL 37400M	S/N: 0022
FREQ: 4G-8GHz	SPEC: 15.247	ANT. HT/POL: V
DETECTOR: AVERAGE AMBIENT	LINE UNDER TEST: N/A	EUT POSITION:
DATE: 4/23/11	TEST SITE: 3 METER	TESTER: <i>g</i>



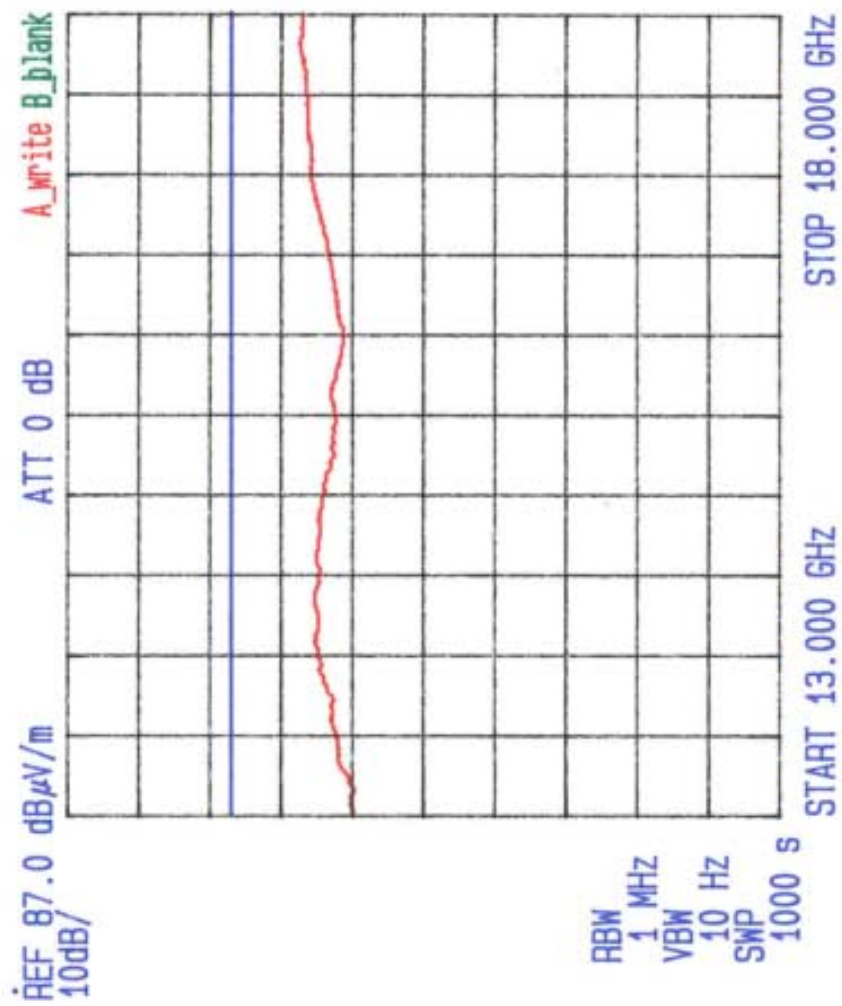
TEST: FCC RADIATED	EUT: ISL 37400M	S/N: 0022
FREQ: 8G-13GHz	SPEC: 15.247	ANT. HT/POL: H
DETECTOR: AVERAGE AMBIENT	LINE UNDER TEST: N/A	EUT POSITION:
DATE: 8/23/11	TEST SITE: 3 METER	TESTER: <i>[Signature]</i>

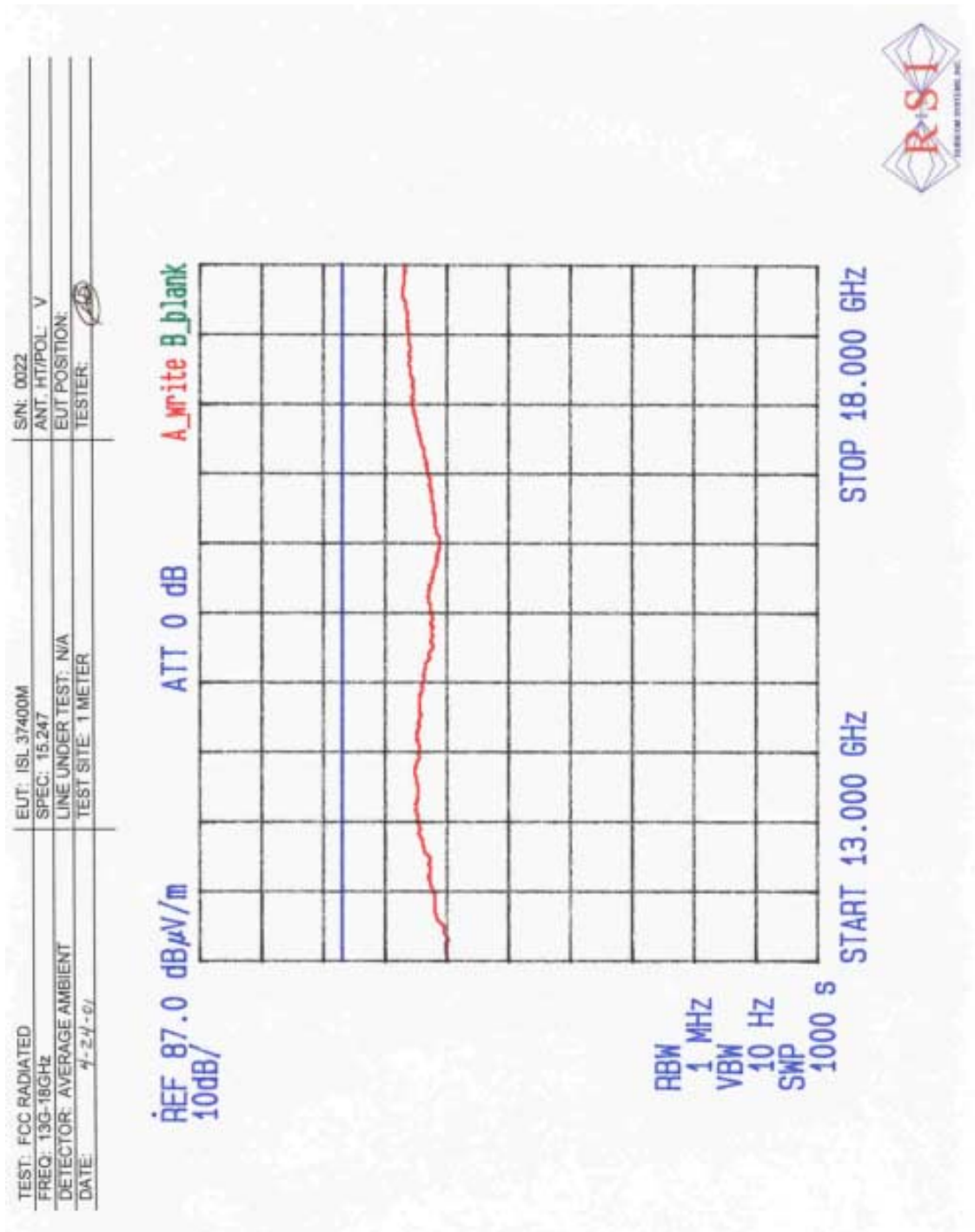


TEST: FCC RADIATED	EUT: ISL 37400M	S/N: 0022
FREQ: 8G-13GHz	SPEC: 15.247	ANT. HI/POL: V
DETECTOR: AVERAGE/AMBIENT	LINE UNDER TEST: N/A	EUT POSITION:
DATE: 4/15/17	TEST SITE: 3 METER	TESTER: <i>Q</i>



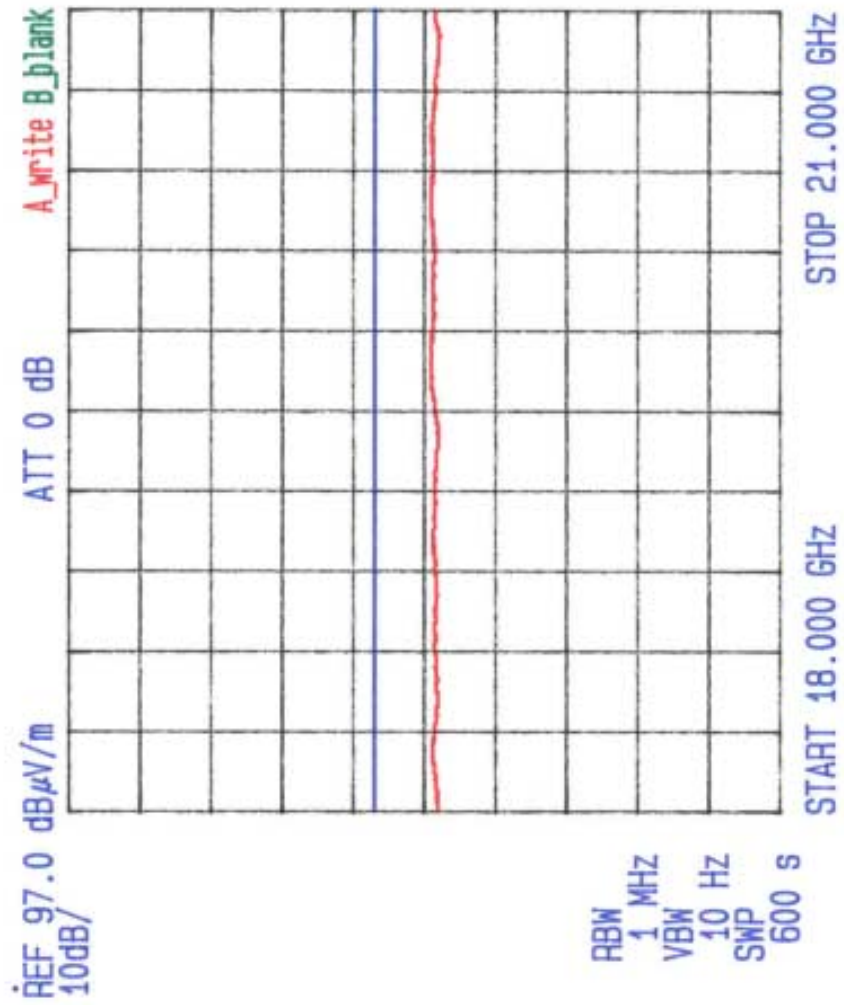
TEST: FCC RADIATED	EUT: ISL 37400M	S/N: 0022
FREQ: 13G-18GHz	SPEC: 15.247	ANT. HT/POL: H
DETECTOR: AVERAGE/AMBIENT	LINE UNDER TEST: N/A	EUT POSITION:
DATE: 4-24-21	TEST SITE: 1 METER	TESTER: 



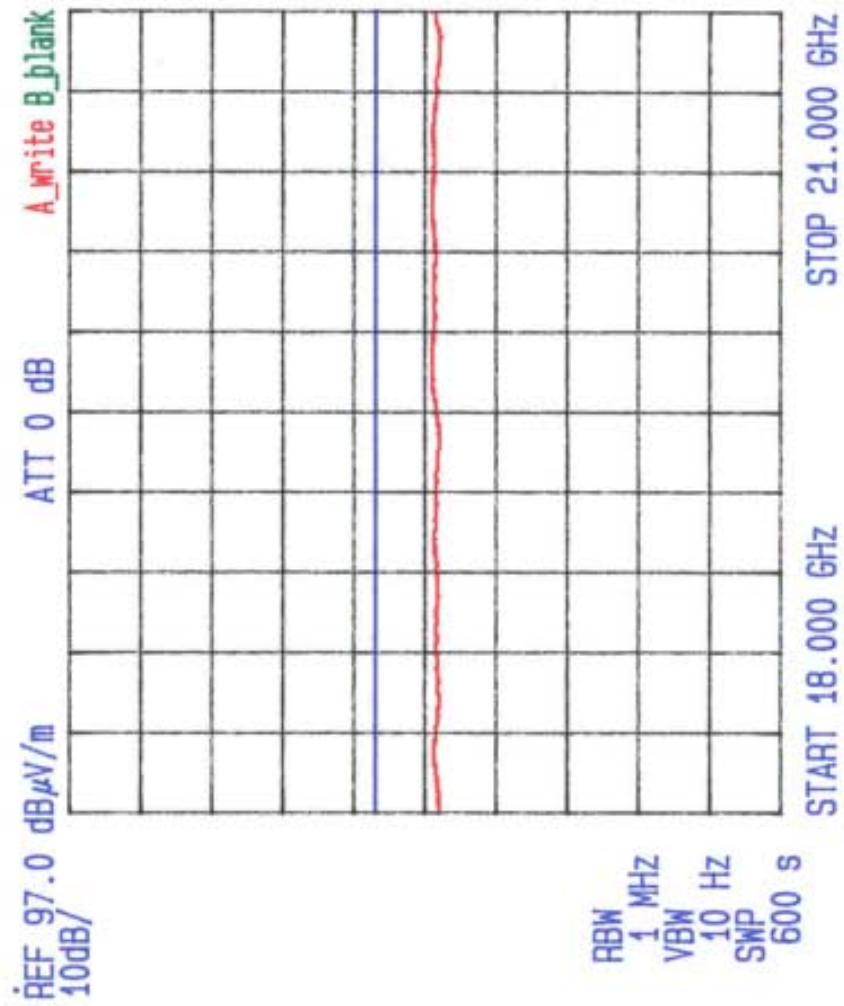


DATA SHEET 6.3.3-20

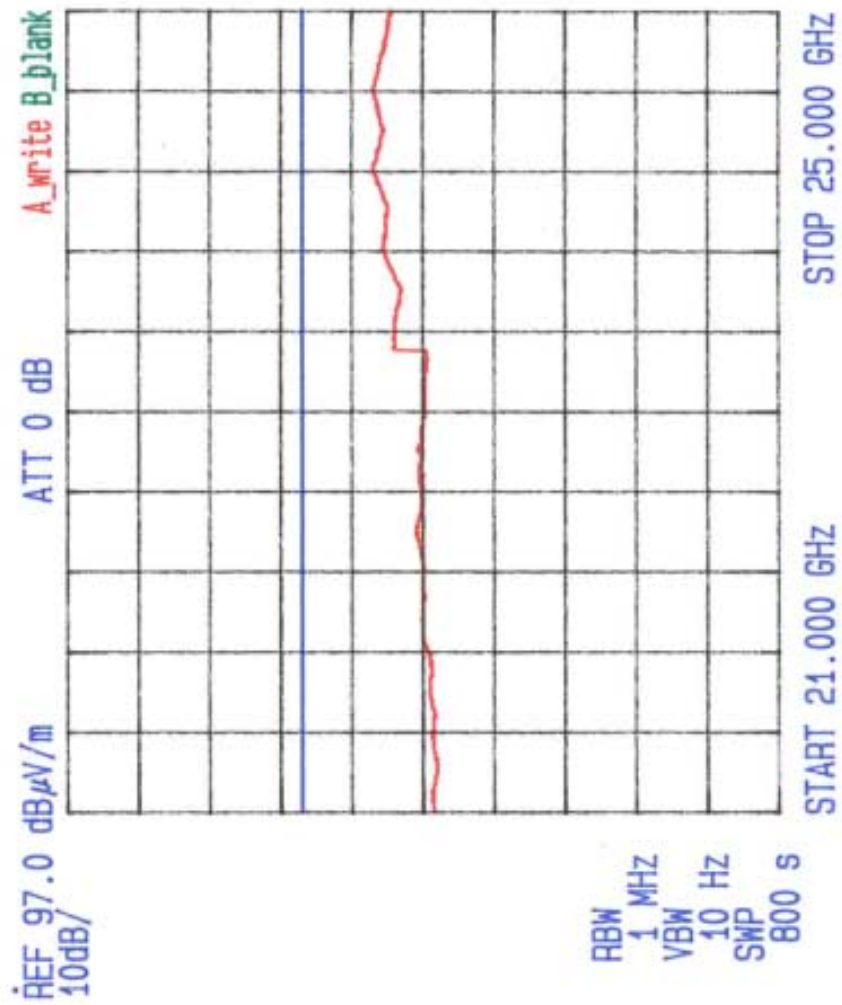
TEST: FCC RADIATED	EUT: ISL 37400M	S/N: 0022
FREQ: 18G-21GHz	SPEC: 15.247	ANT. HT/POL: H
DETECTOR: AVERAGE AMBIENT	LINE UNDER TEST: N/A	EUT POSITION:
DATE: 4-24-01	TEST SITE: 3 METER	TESTER: <i>AB</i>



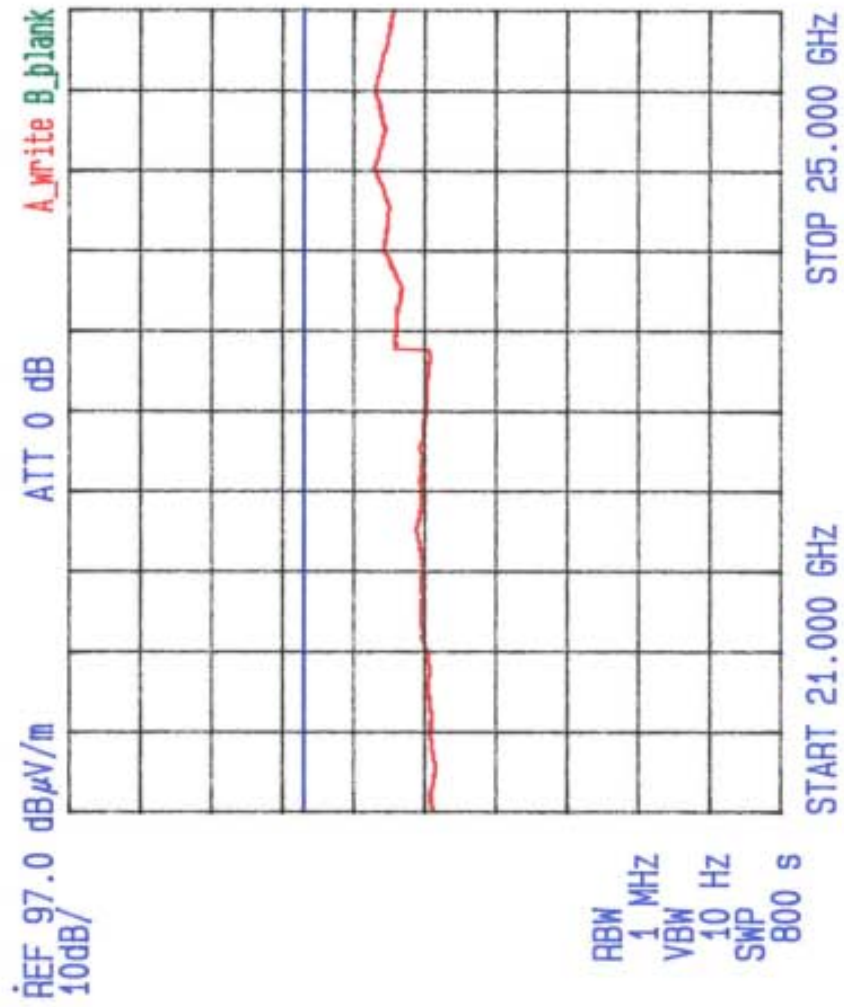
TEST: FCC RADIATED	EUT: ISL 37400M	S/N: 0022
FREQ: 18G-21GHz	SPEC: 15.247	ANT. HT/POL: V
DETECTOR: AVERAGE AMBIENT	LINE UNDER TEST: N/A	EUT POSITION:
DATE: 4-24-01	TEST SITE: 3 METER	TESTER: 



TEST: FCC RADIATED	EUT: ISL 37400M	S/N: 0022
FREQ: 21G-25GHz	SPEC: 15.247	ANT. HT/POL: H
DETECTOR: AVERAGE AMBIENT	LINE UNDER TEST: N/A	EUT POSITION:
DATE: 7-24-01	TEST SITE: 1 METER	TESTER: <i>AB</i>



TEST: FCC RADIATED	EUT: ISL 37400M	S/N: 0022
FREQ: 21G-25GHz	SPEC: 15.247	ANT. HT/POL: V
DETECTOR: AVERAGE AMBIENT	LINE UNDER TEST: N/A	EUT POSITION:
DATE: 4-24-01	TEST SITE: 1 METER	TESTER: AB



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

6.4.1 6dB Bandwidth 15.247(2)

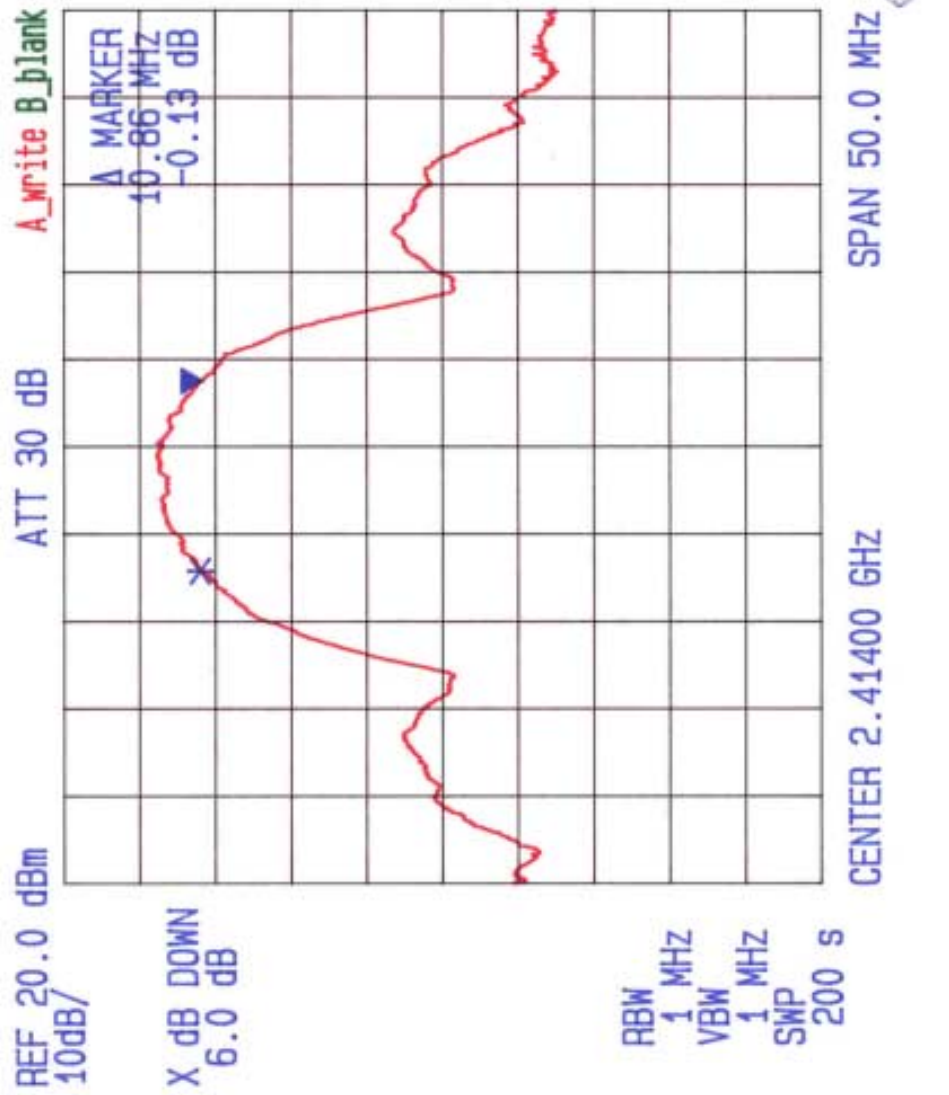
The minimum 6dB bandwidth must be greater than 500KHz. Data Sheets 6.4.1-1 through 6.4.1-6 show the measured 6dB points to give bandwidths between 10.8 and 11.5MHz at the MIN, MID and MAX frequency tested. Data plots were made for the MIN and MAX data rates. The system exceeds the 500KHz minimum bandwidth.

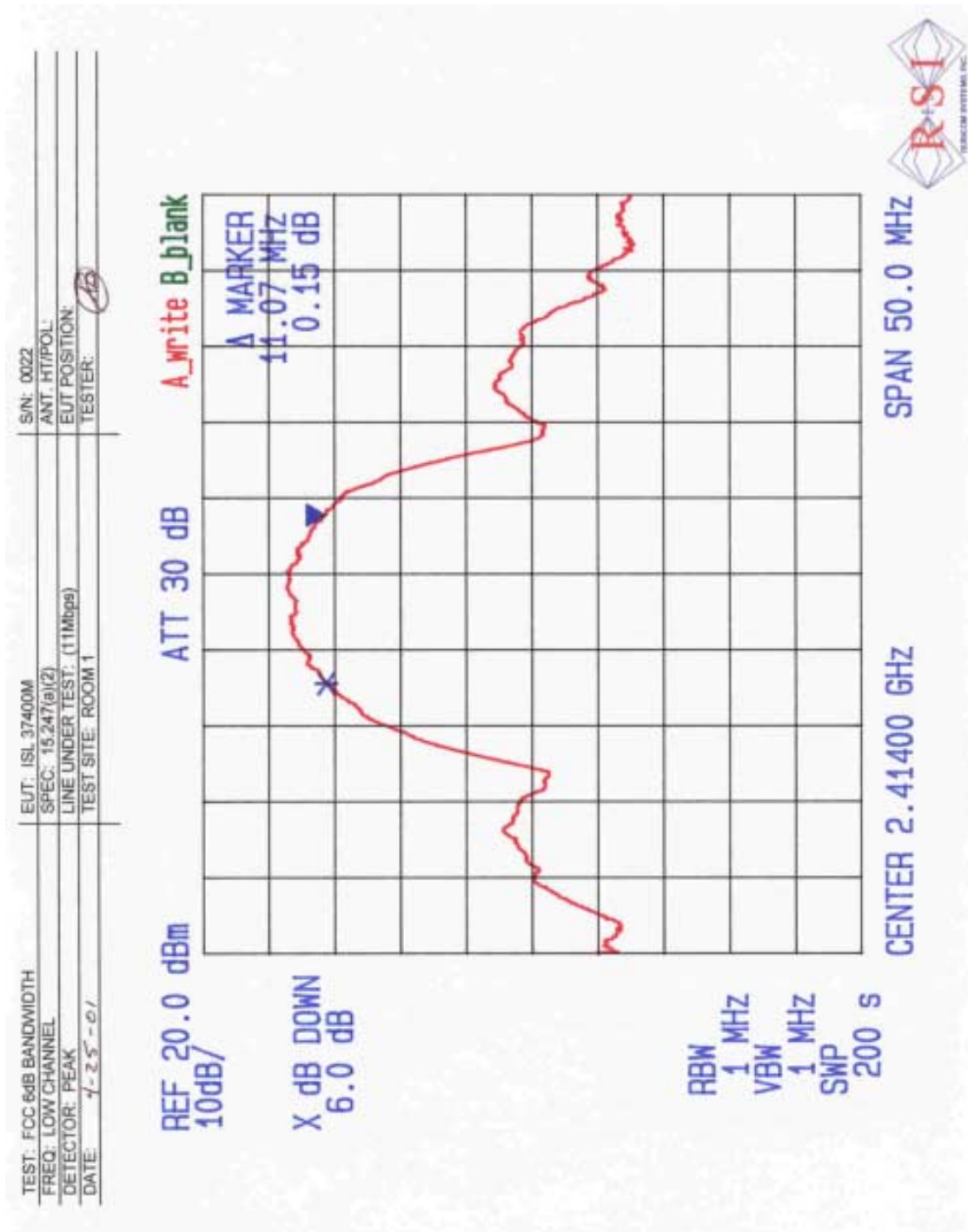
Photo 3 is representative of the 6dB bandwidth setup.



PHOTO 3

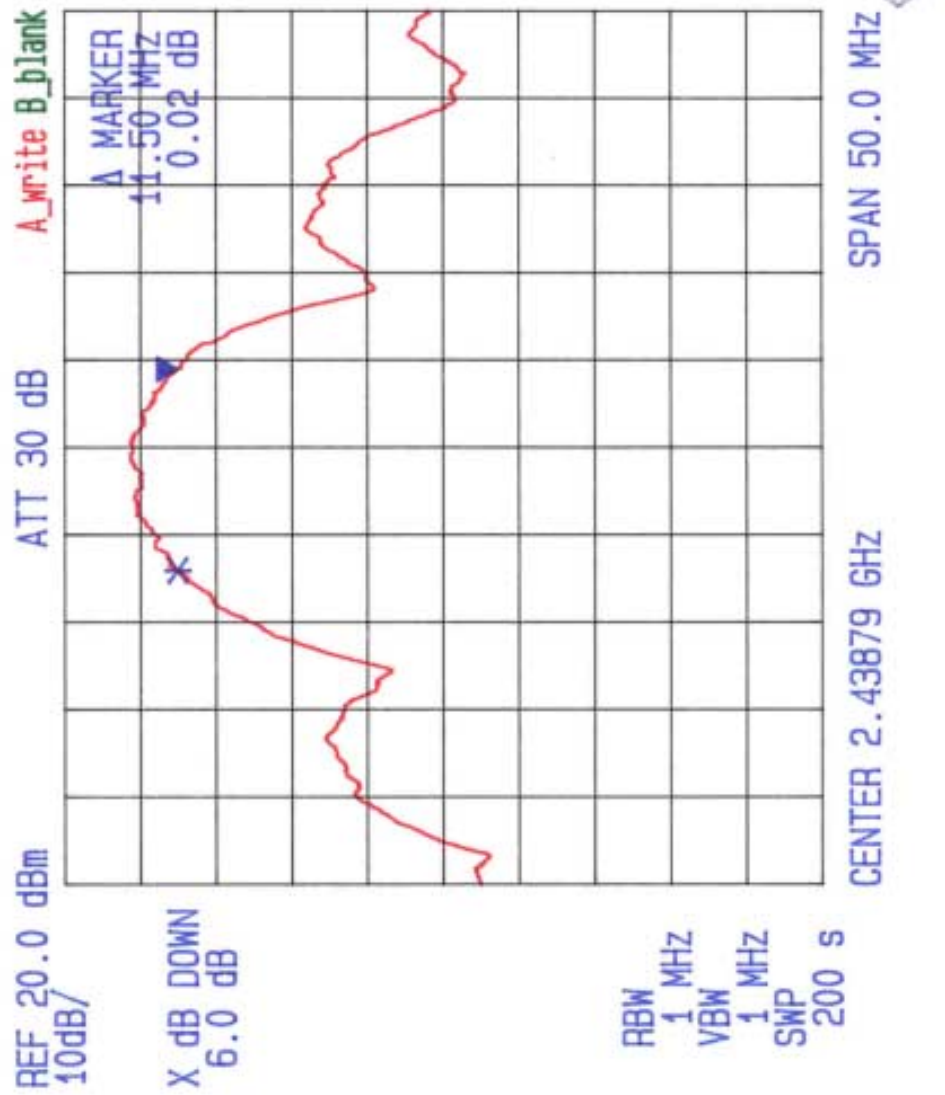
TEST: FCC 6dB BANDWIDTH	EUT: ISL 37400M	S/N: 0022
FREQ: LOW CHANNEL	SPEC: 15.247(9V2)	ANT HT/POL:
DETECTOR: PEAK	LINE UNDER TEST: (1Mbps)	EUT POSITION:
DATE: 4-25-01	TEST SITE: ROOM 1	TESTER: <i>AD</i>



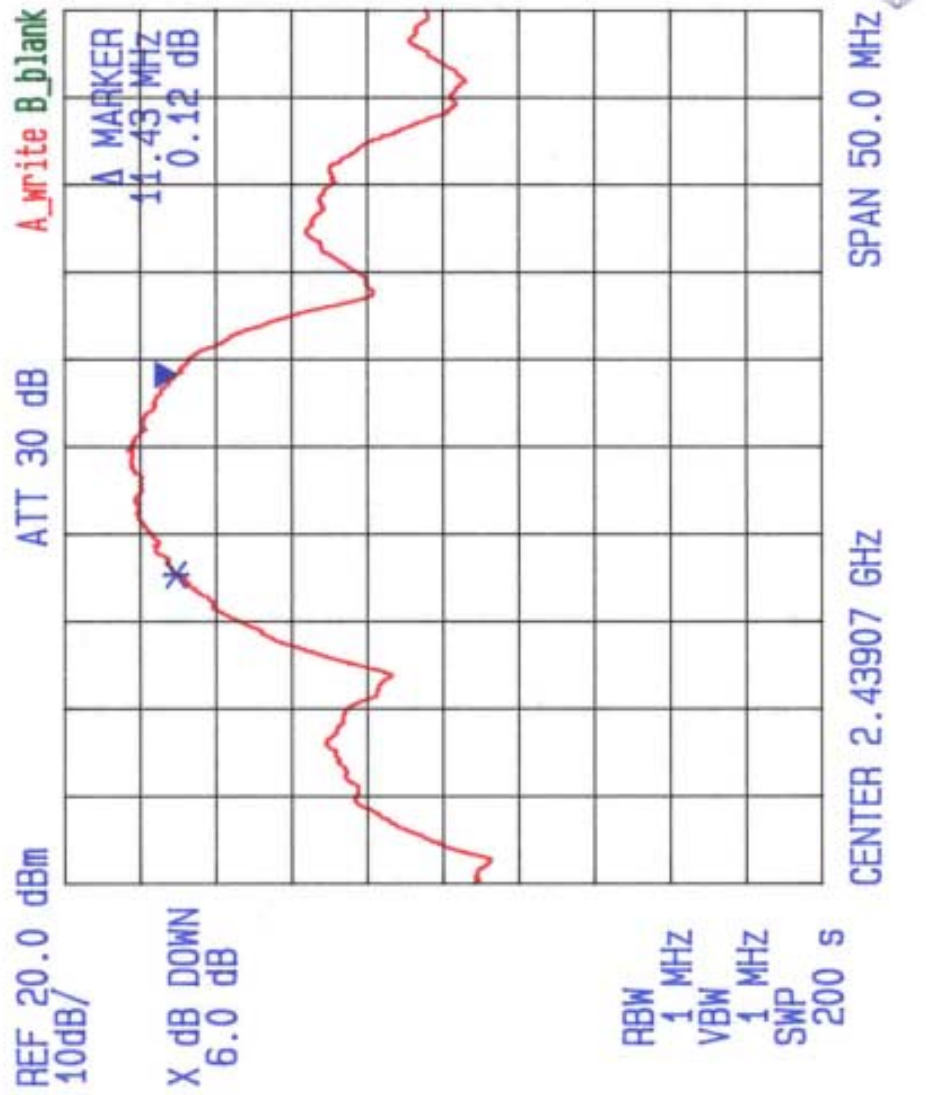


DATA SHEET 6.4.1-2

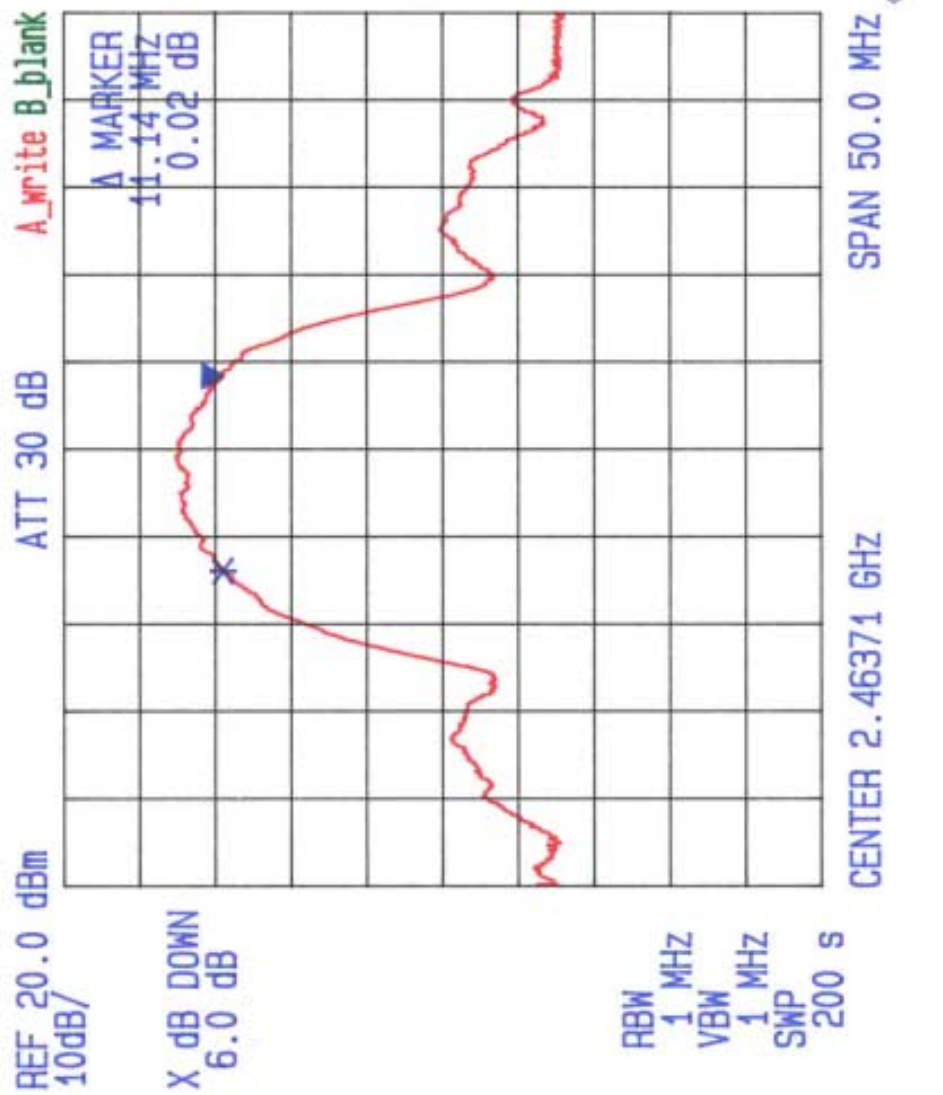
TEST: FCC 6dB BANDWIDTH	EUT: ISL 37400M	S/N: 0022
FREQ: MID CHANNEL	SPEC: 15.247(a)(2)	ANT. HT/POL:
DETECTOR: PEAK	LINE UNDER TEST: (1 Mbps)	EUT POSITION:
DATE: 4-25-01	TEST SITE: ROOM 1	TESTER: <i>AB</i>



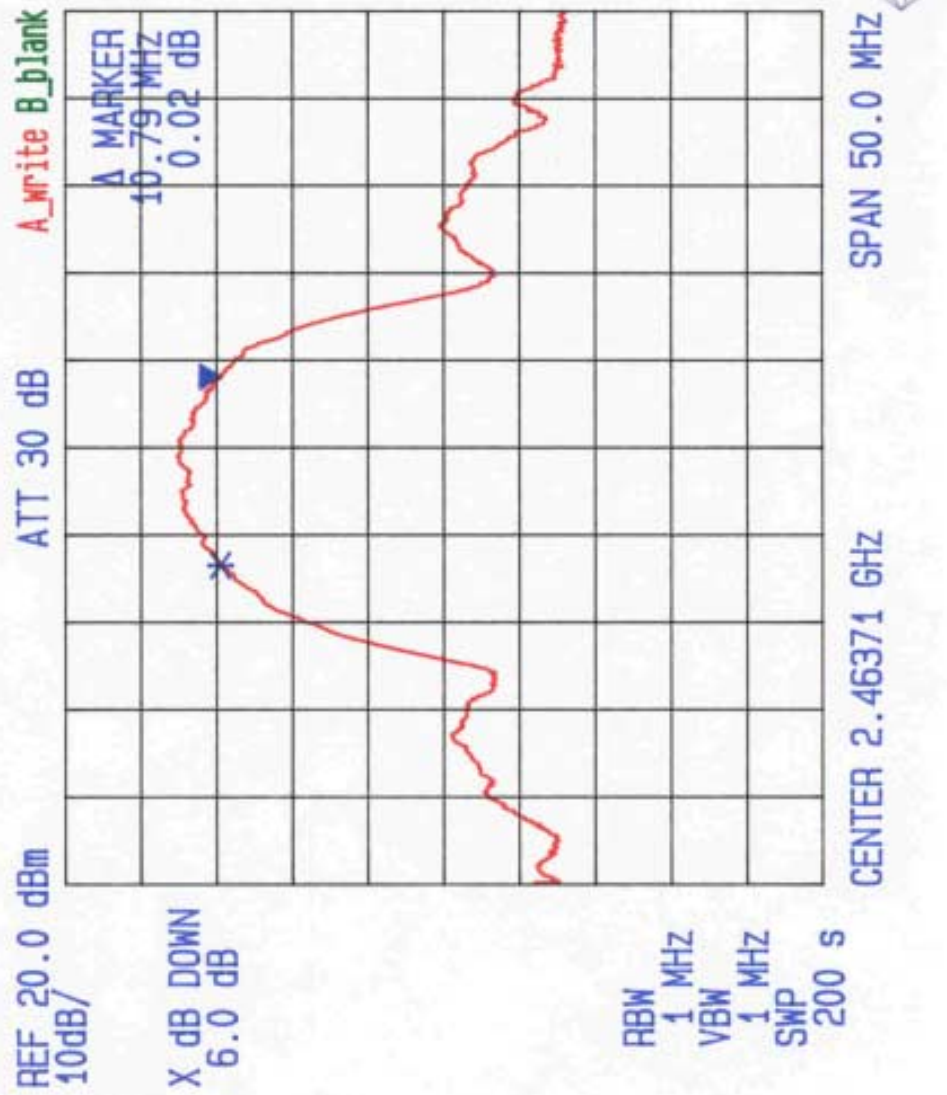
TEST: FCC 6dB BANDWIDTH	EUT: ISL 37400M	S/N: 0022
FREQ: MID CHANNEL	SPEC: 15.247 (0)(2)	ANT. HI/POL:
DETECTOR: PEAK	LINE UNDER TEST: (11 Mbps)	EUT POSITION:
DATE: 4-25-01	TEST SITE: ROOM 1	TESTER: <i>AB</i>



TEST: FCC 5dB BANDWIDTH	EUT: ISL 37400M	S/N: 0022
FREQ: HIGH CHANNEL	SPEC: 15.247 (9/2)	ANT. HT/POL:
DETECTOR: PEAK	LINE UNDER TEST: (1 Mbps)	EUT POSITION:
DATE: 7-25-01	TEST SITE: ROOM 1	TESTER: <i>AB</i>



TEST: FCC 6dB BANDWIDTH	EUT: ISL 37400M	S/N: 0022
FREQ: HIGH CHANNEL	SPEC: 15.247 (a)(2)	ANT. HT/POL:
DETECTOR: PEAK	LINE UNDER TEST: (11 Mbps)	EUT POSITION:
DATE: 4-25-01	TEST SITE: ROOM 1	TESTER: <i>AS</i>



6.4.2 Peak Output Power 15.247(2)(b)

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

The equipment under test (EUT) 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 EUT was 2.412GHz, 2.437GHz and 2.462GHz. The MID, MIN and MAX data rates were used.

Photo 4 is representative of this setup.

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

MIN TX FREQ. 2.412GHz	DATA RATE MIN: -11.8dBw MID: -11.8dBw MAX: -11.9dBw
MID TX FREQ. 2.437GHz	DATA RATE MIN: -11.7dBw MID: -11.7dBw MAX: -11.8dBw
MAX TX FREQ. 2.462GHz	DATA RATE MIN: -12.0dBw MID: -11.9dBw MAX: -12.1dBw

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 1-25GHz range using the 100KHz RBW. Data Sheets 6.4.3-1 through 6.4.3-12 present the transmit and receive scans across the entire range at the MIN, MID and MAX channels at MIN and MAX modulation rates. The plots demonstrate that there is greater than 20dB separation between the intended signal and any other signals in the range.

Data Sheet 6.4.3-13 is included to show the spectrum analyzer setup for restricted band testing where the start frequency and marker number "1" represented one restricted band (2.310-2.390GHz). Marker number "2" is the beginning of the 2.4835-2.5GHz restricted band. All signals falling into the restricted band were below

the display line, which represents the peak or average limit. These measurements were radiated measurements.

Data Sheets 6.4.3-14 through 6.4.3-37 present the peak and average measurements for the MIN, MID and MAX channels at the MIN and MAX data rates.

All signals that fall into the restricted bands are below the requirement of 15.209(a).

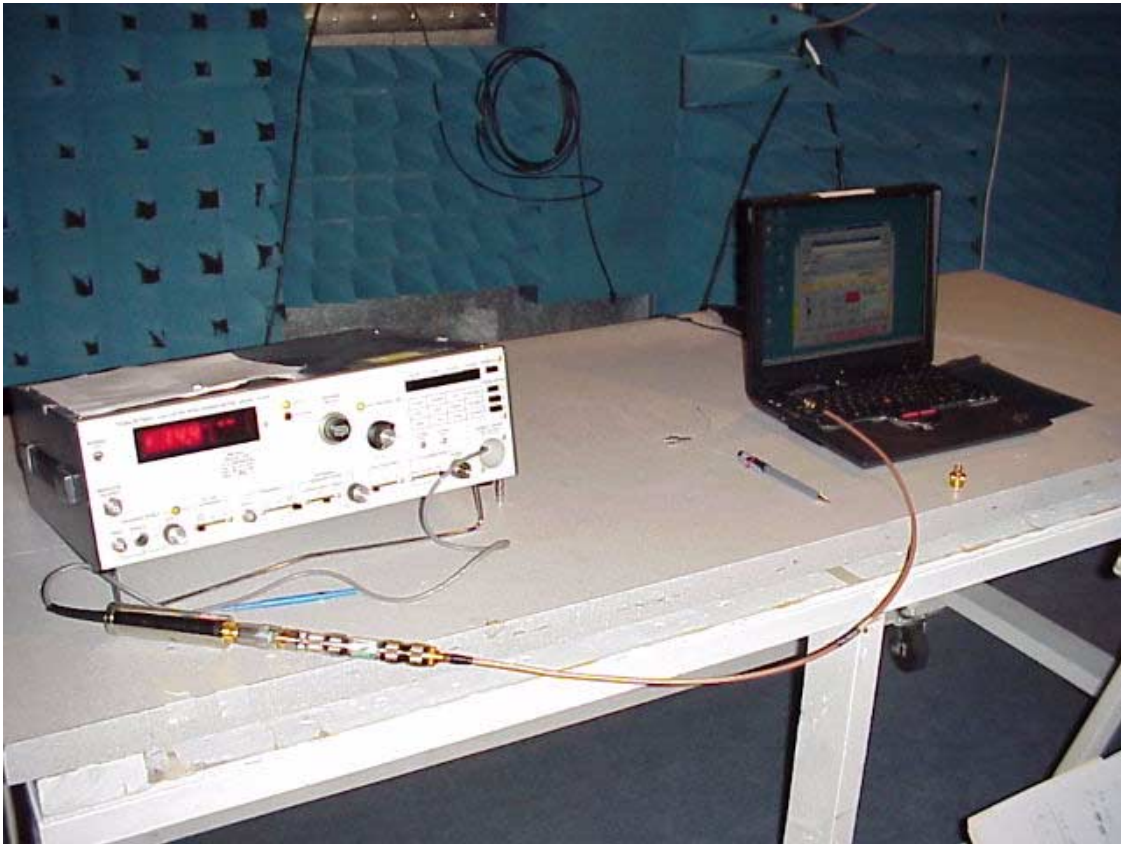
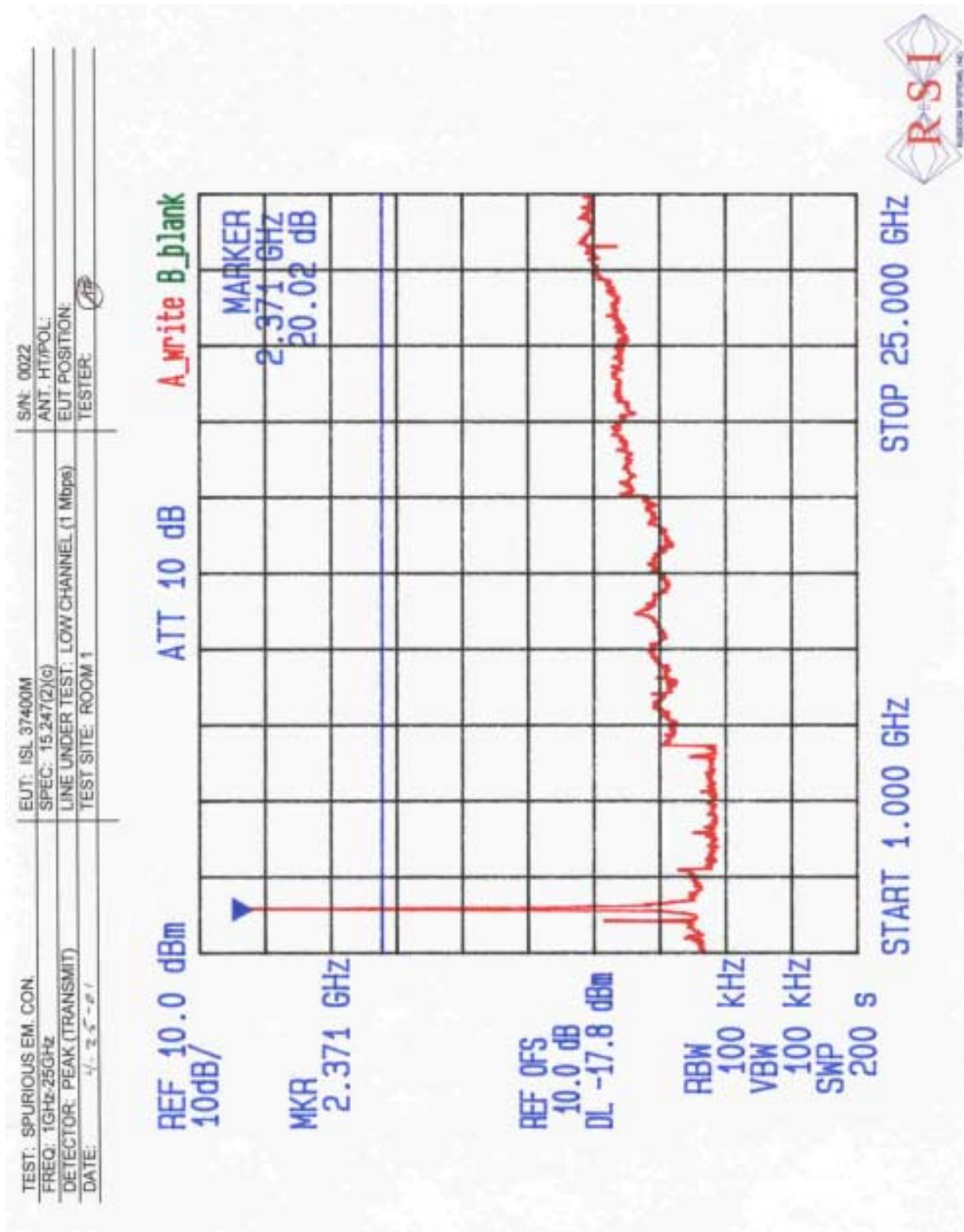
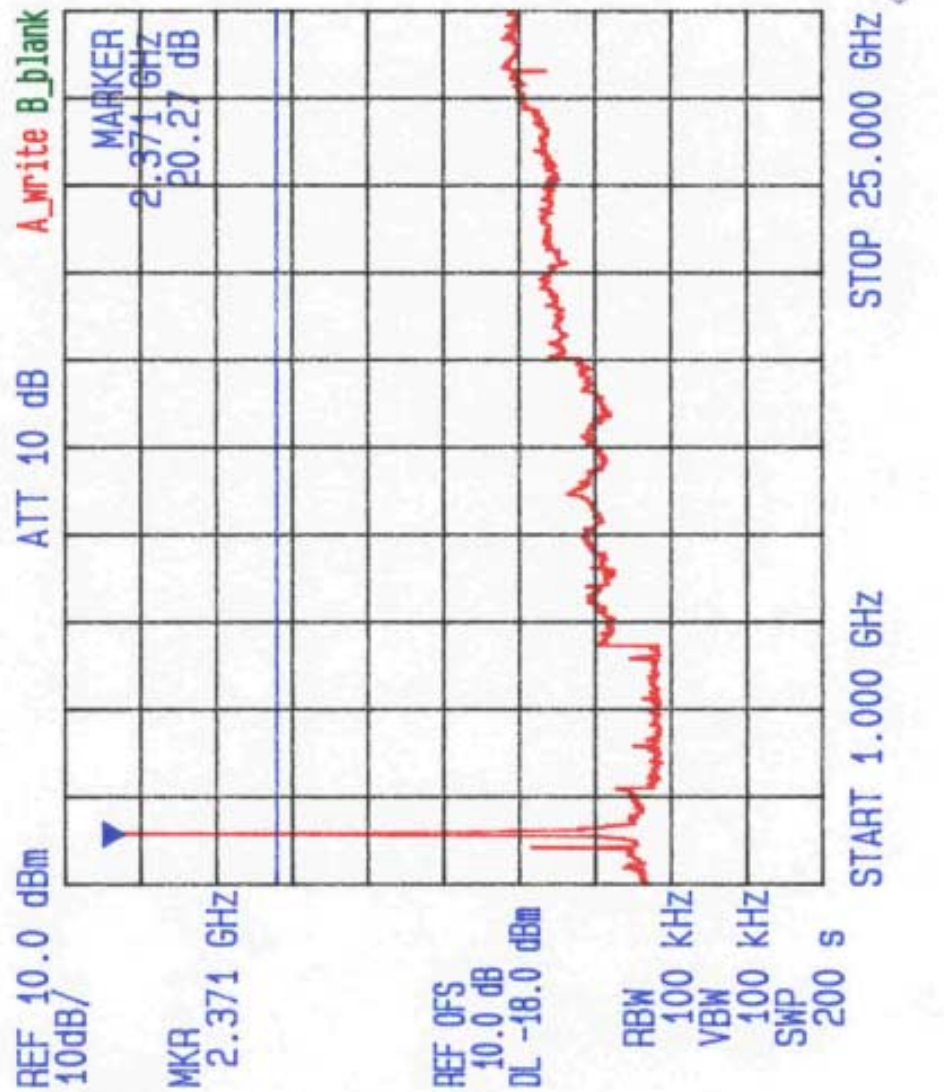


PHOTO 4

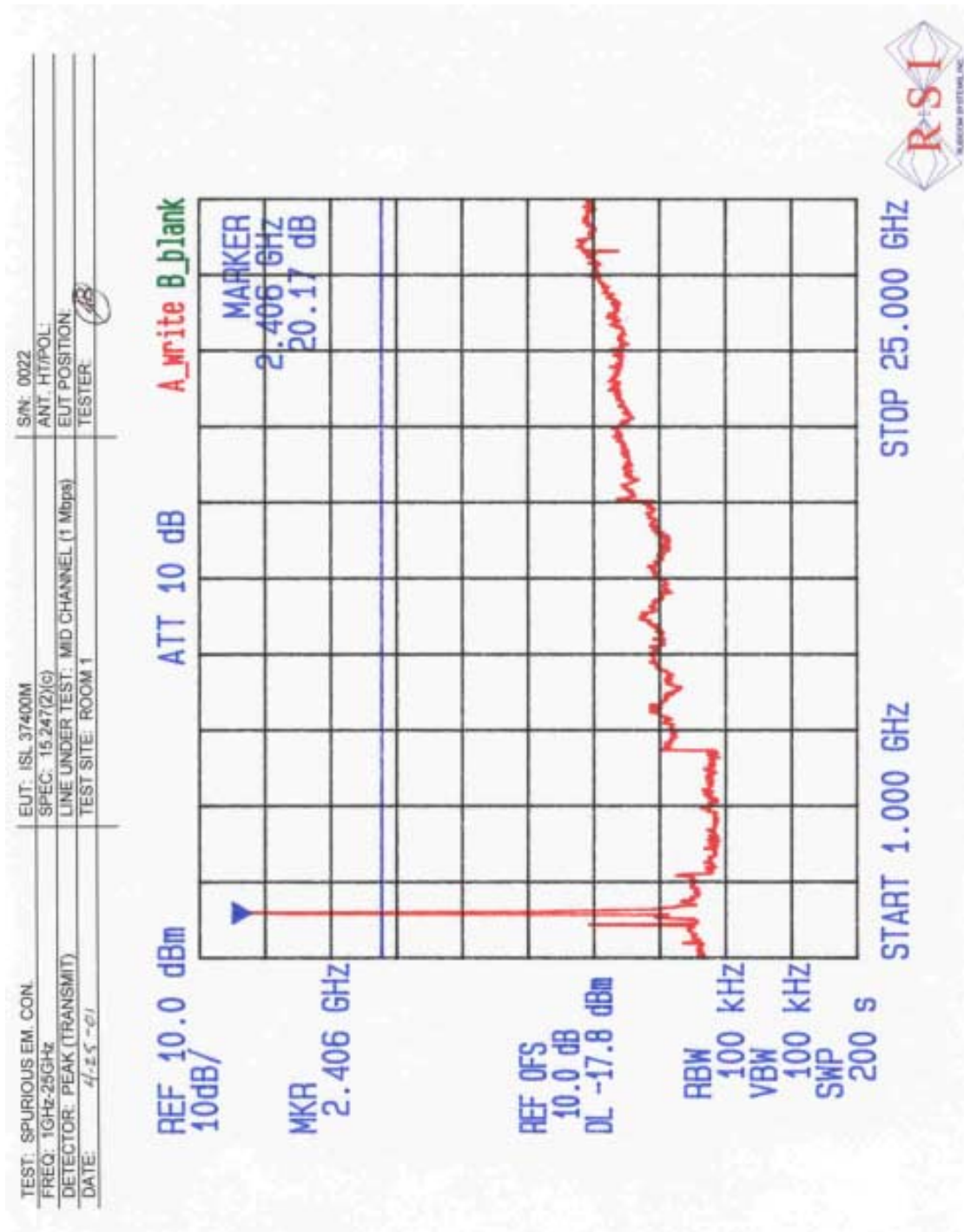


DATA SHEET 6.4.3-1

TEST: SPURIOUS EM. CON.	EUT: ISL 37400M	S/N: 0022
FREQ: 1GHz-25GHz	SPEC: 15.247(2)(c)	ANT. HT/POL:
DETECTOR: PEAK (TRANSMIT)	LINE UNDER TEST: LOW CHANNEL (11 Mbps)	EUT POSITION:
DATE: 4-25-01	TEST SITE: ROOM 1	TESTER: <i>PS</i>

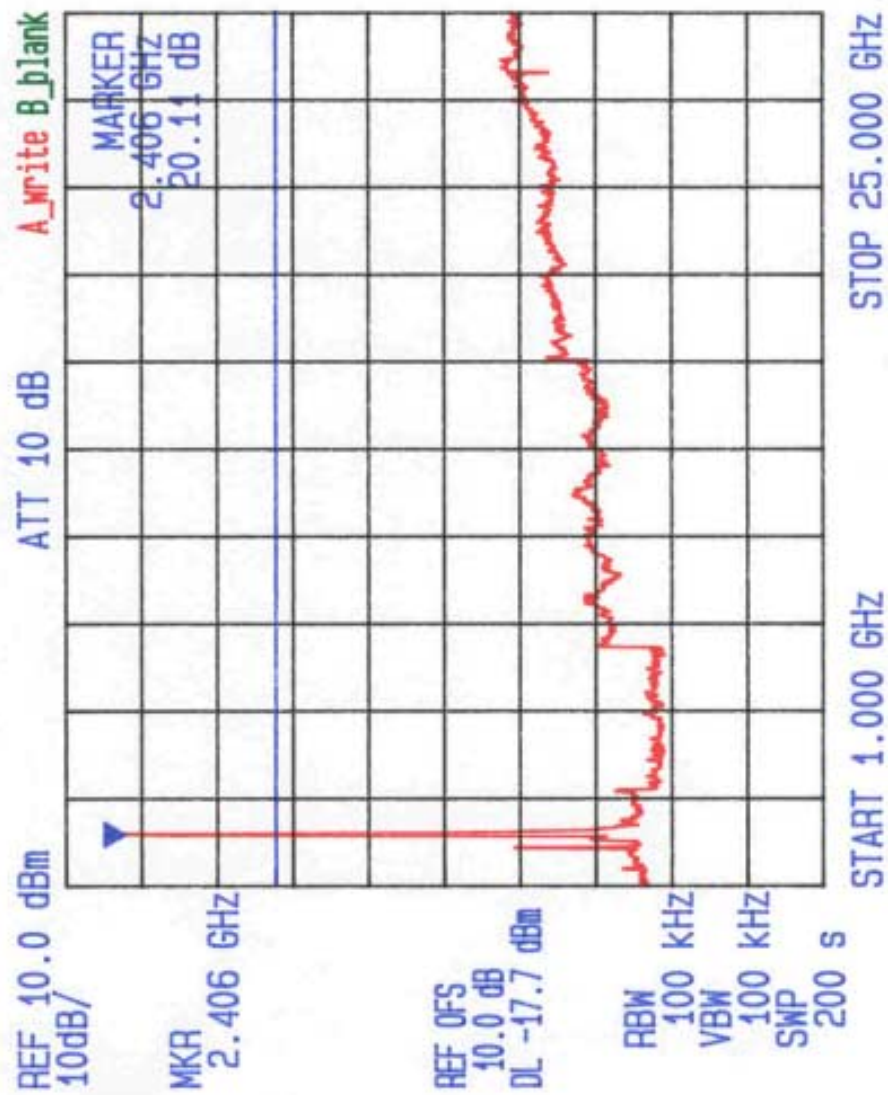


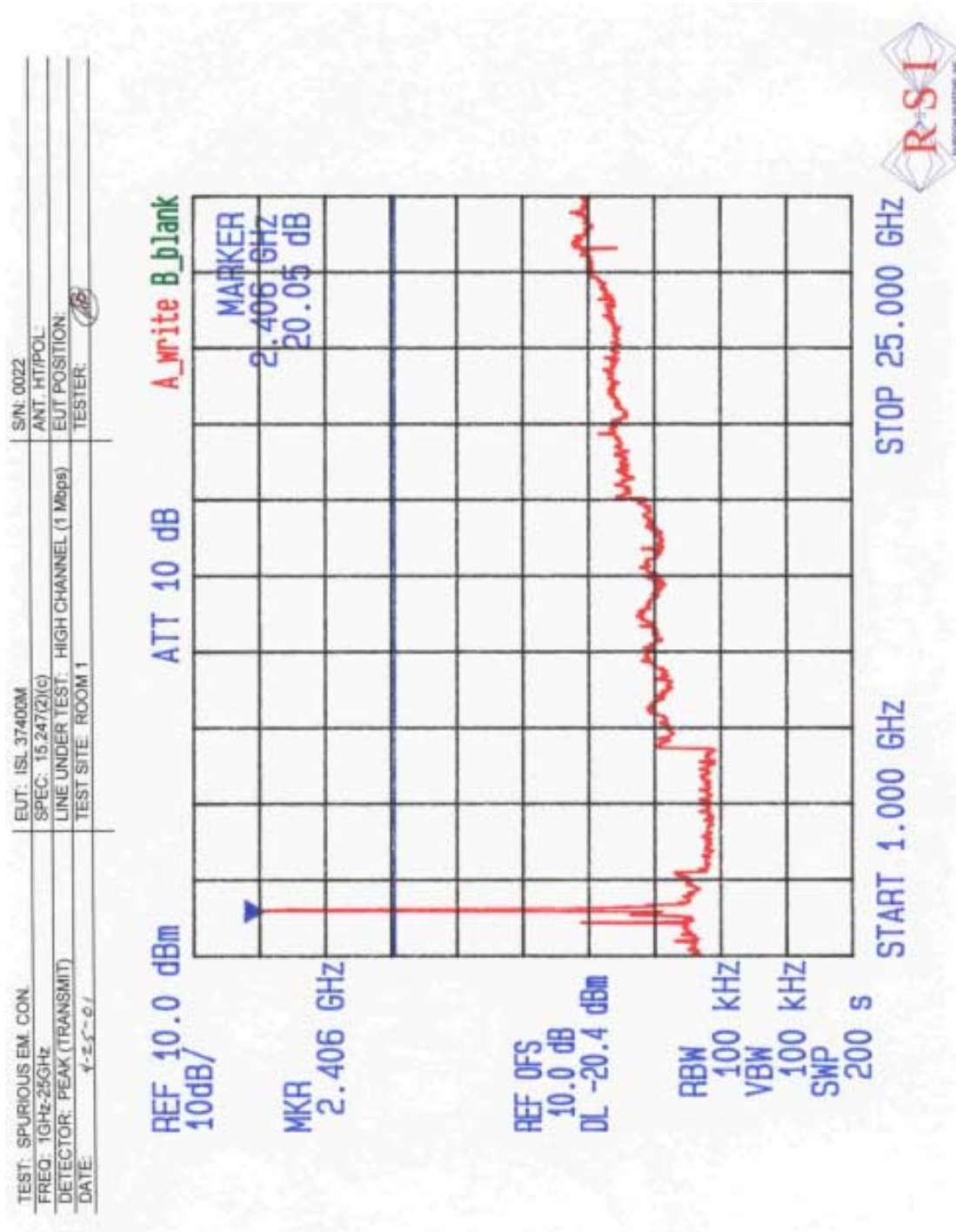
DATA SHEET 6.4.3-2



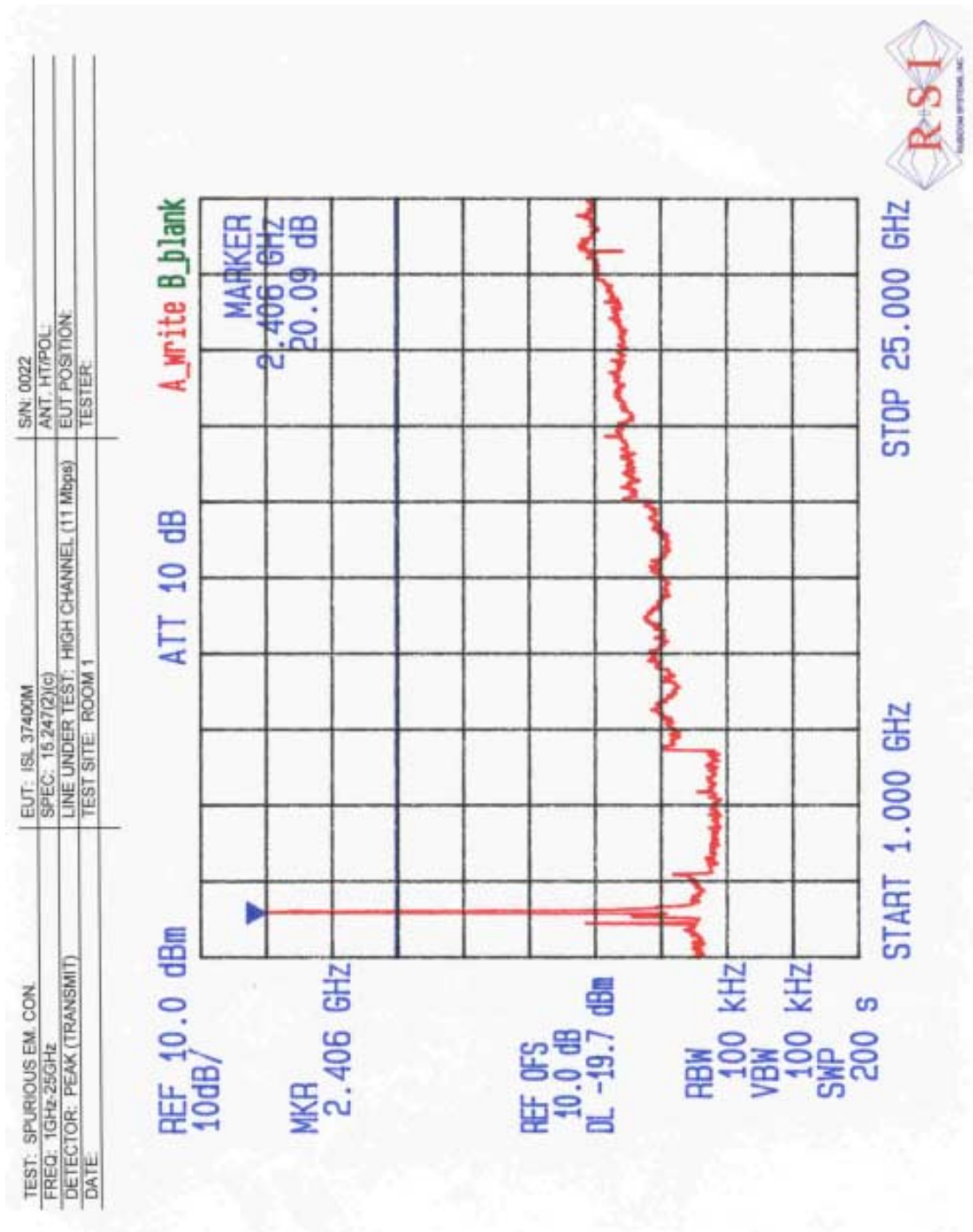
DATA SHEET 6.4.3-3

TEST: SPURIOUS EM. CON.	EUT: ISL 37400M	S/N: 0022
FREQ: 1GHz-25GHz	SPEC: 15.247(2)G	ANT. HTPOL:
DETECTOR: PEAK (TRANSMIT)	LINE UNDER TEST: MID CHANNEL (11 Mbps)	EUT POSITION:
DATE: 4-25-01	TEST SITE: ROOM 1	TESTER: <i>AB</i>



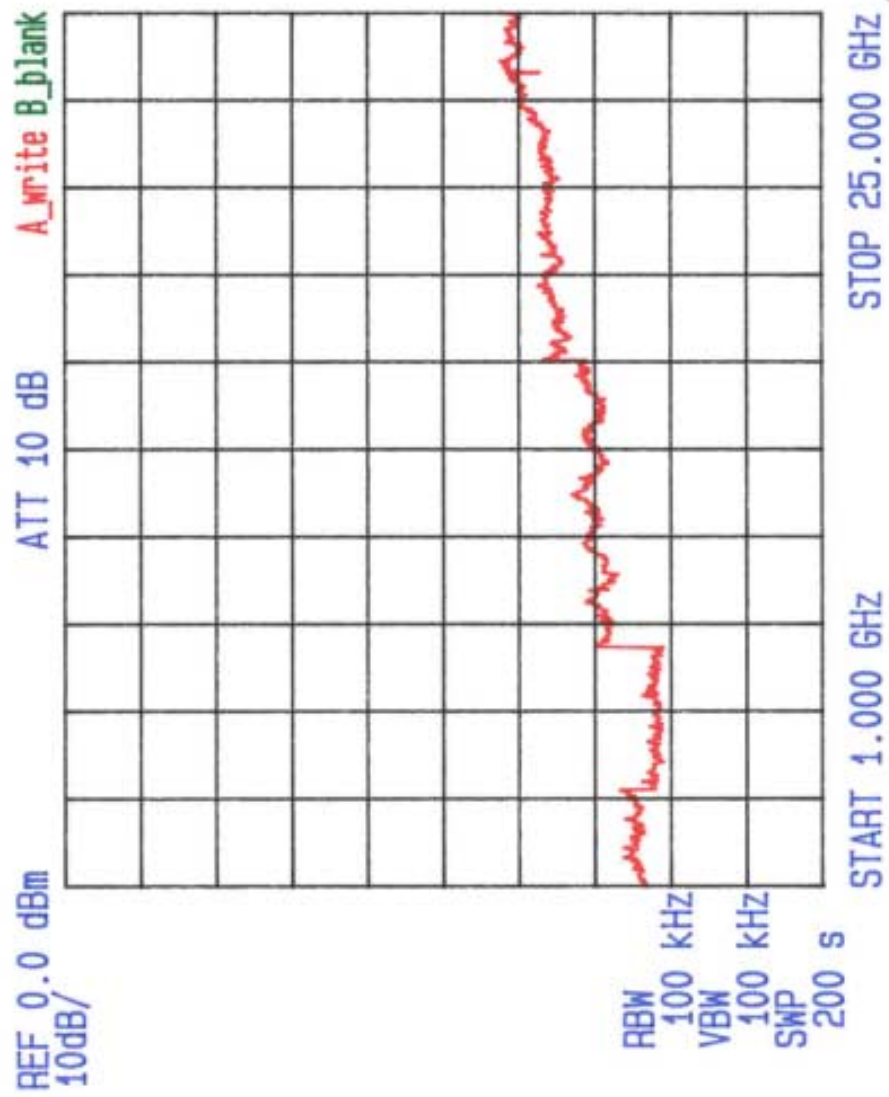


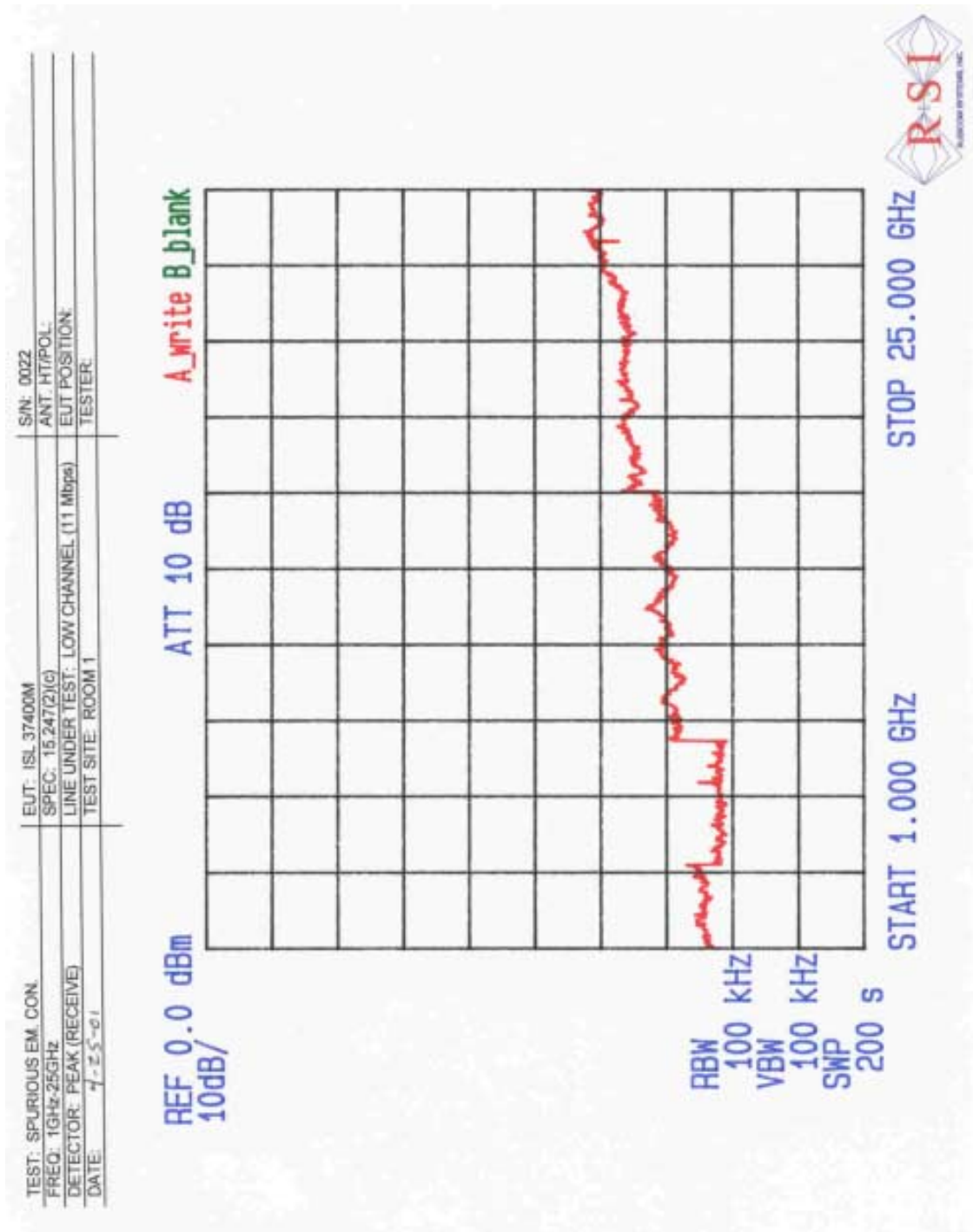
DATA SHEET 6.4.3-5



DATA SHEET 6.4.3-6

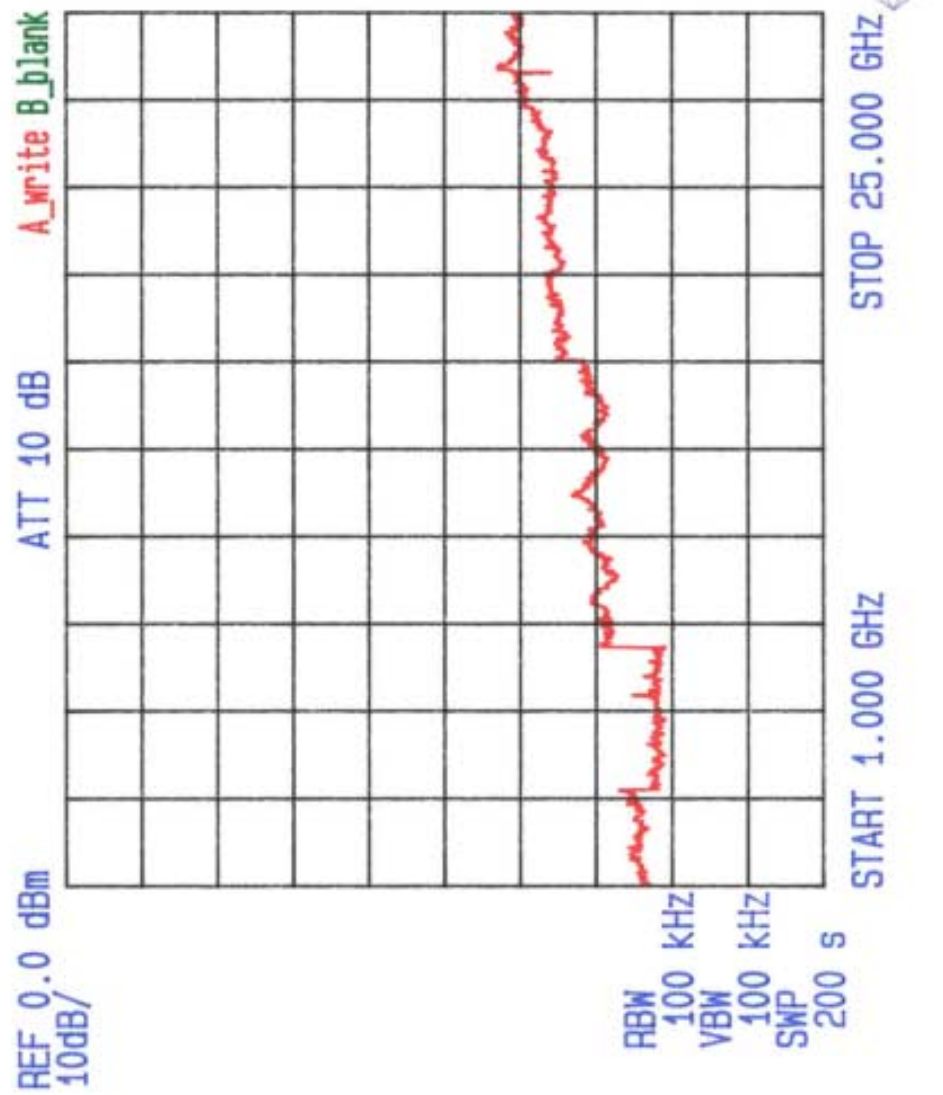
TEST: SPURIOUS EM. CON.	EUT: ISL 37400M	S/N: 0022
FREQ: 1GHz-25GHz	SPEC: 15.247(2)(c)	ANT. H1/POL:
DETECTOR: PEAK (RECEIVE)	LINE UNDER TEST: LOW CHANNEL (1 Mbps)	EUT POSITION:
DATE: 4-25-01	TEST SITE: ROOM 1	TESTER: <u>AD</u>





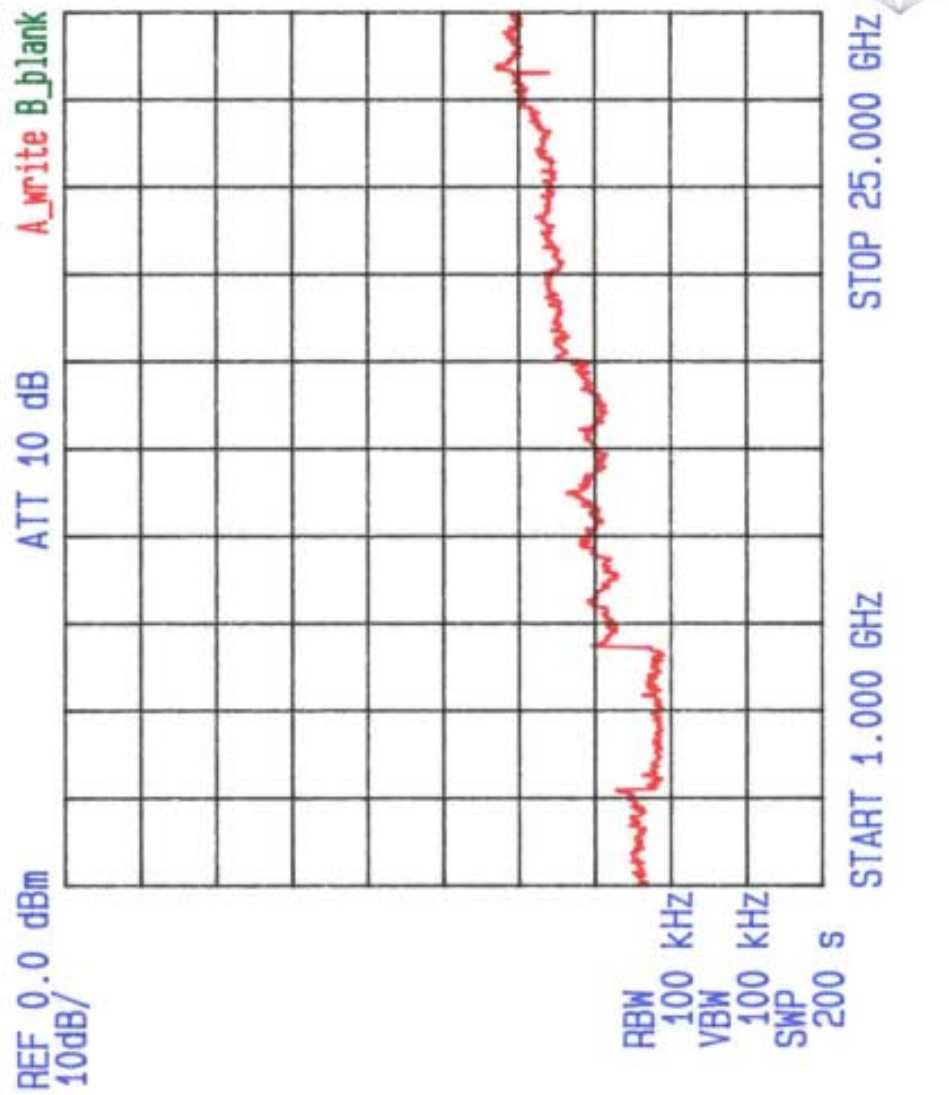
DATA SHEET 6.4.3-8

TEST: SPURIOUS EM. CON.	EUT: ISL 37400M	S/N: 0022
FREQ: 1GHz-25GHz	SPEC: 15.247(2)(c)	ANT. HT/POL:
DETECTOR: PEAK (RECEIVE)	LINE UNDER TEST: MID CHANNEL (1 Mbps)	EUT POSITION:
DATE: 4-25-01	TEST SITE: ROOM 1	TESTER: <i>AB</i>

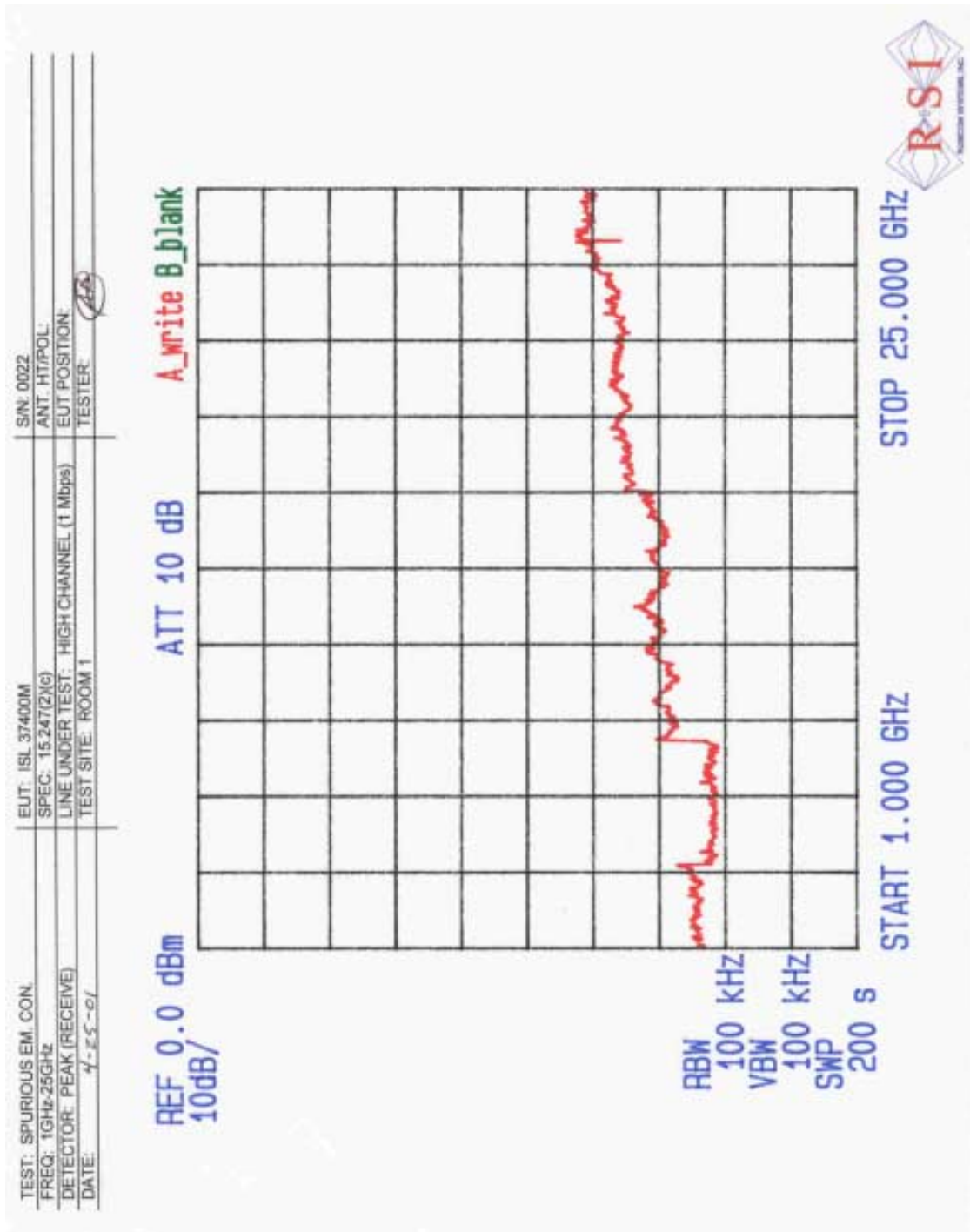


DATA SHEET 6.4.3-9

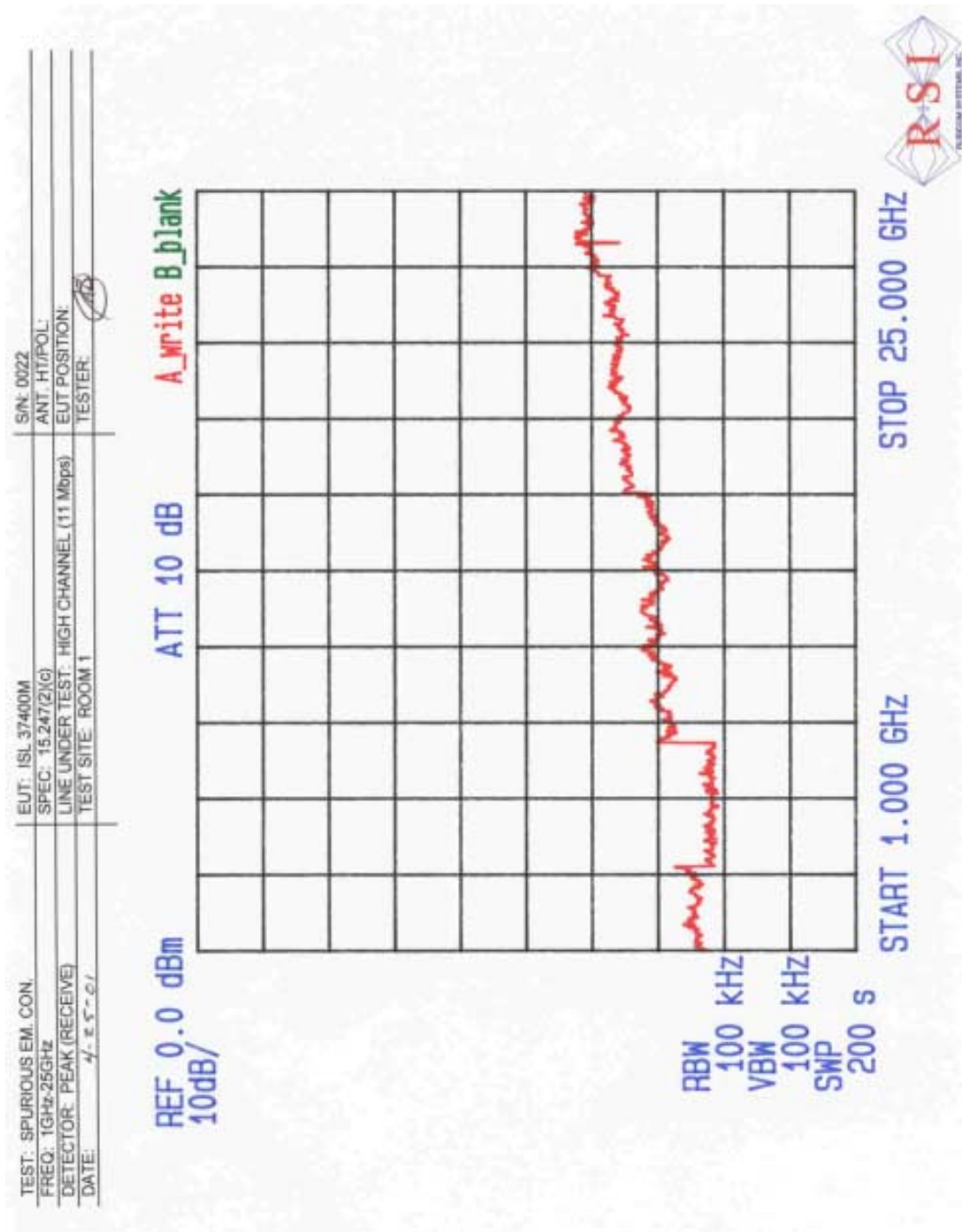
TEST: SPURIOUS EM. CON.	EUT: ISL 37400M	S/N: 0022
FREQ: 1GHz-25GHz	SPEC: 15.247(2)(C)	ANT. HT/POL:
DETECTOR: PEAK (RECEIVE)	LINE UNDER TEST: MID CHANNEL (11 Mbps)	EUT POSITION:
DATE: 4-25-01	TEST SITE: ROOM 1	TESTER: <i>ATB</i>



DATA SHEET 6.4.3-10

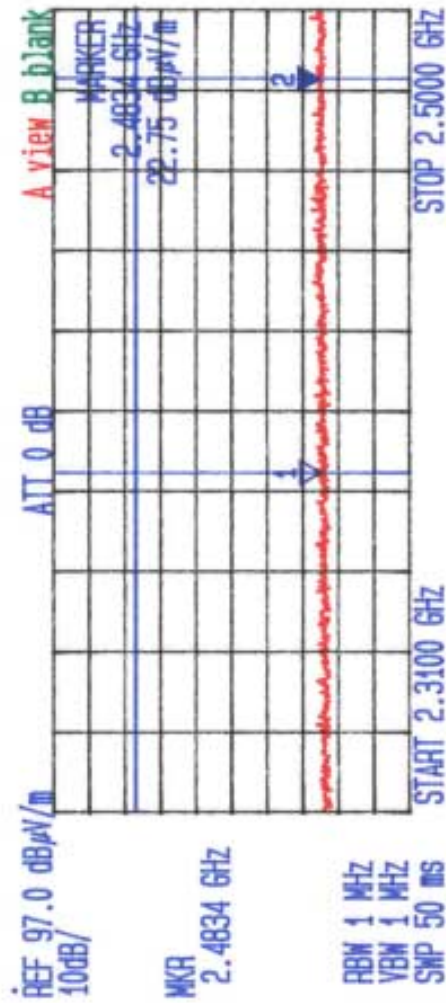


DATA SHEET 6.4.3-11



DATA SHEET 6.4.3-12

TEST: RESTRICTED BANDS	EUT: ISL 37400M	S/N: 0022
FREQ: 2.31G-2.50GHz	SPEC: 15.247	ANT. HI/POL:
DETECTOR:	LINE UNDER TEST: N/A	EUT POSITION:
DATE: 4-24-01	TEST SITE: 3 METER	TESTER: <i>[Signature]</i>

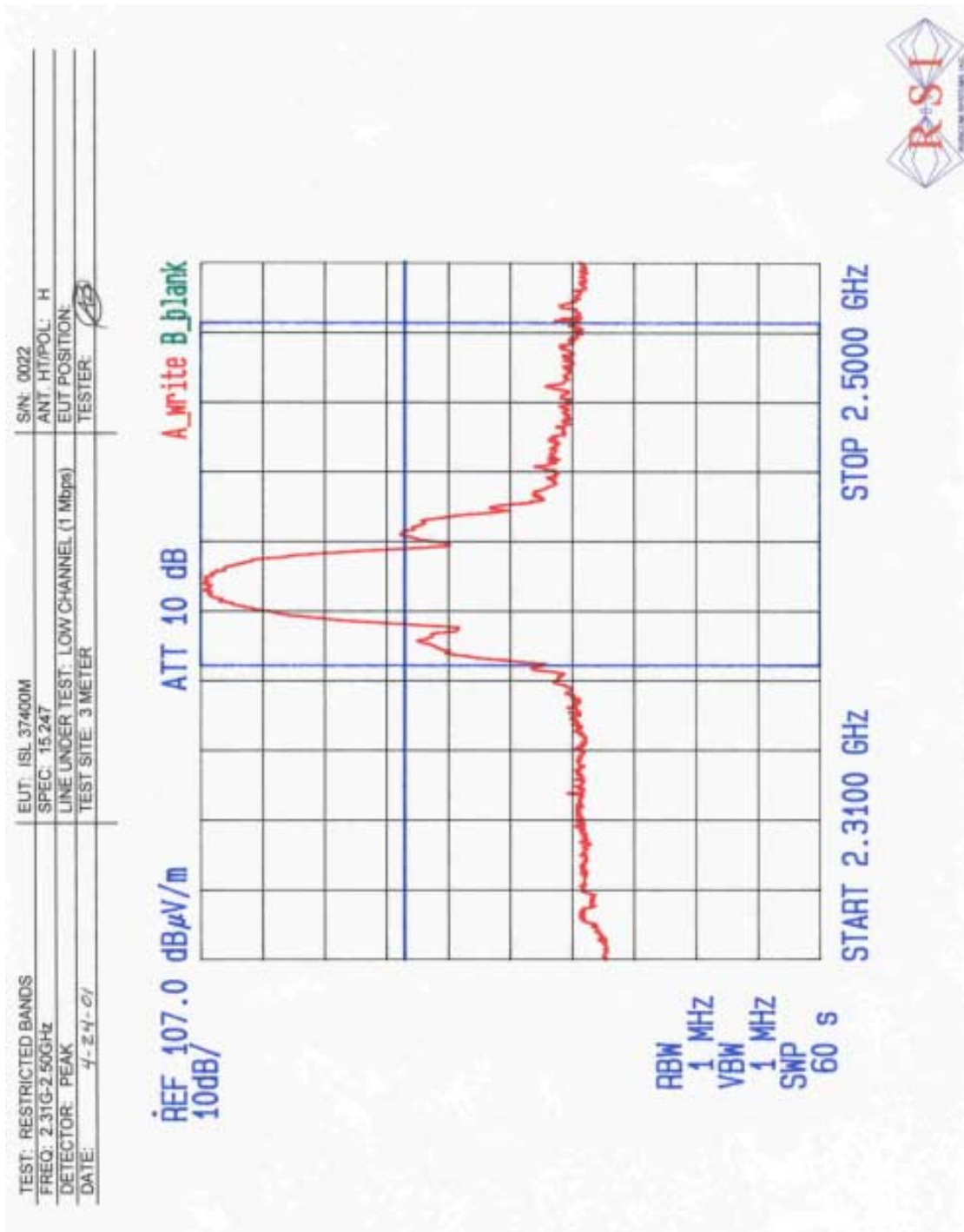


*** Multi Marker List ***

2.3901 GHz	22.38 dB μ V/m	A
2.4834 GHz	22.75 dB μ V/m	A

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





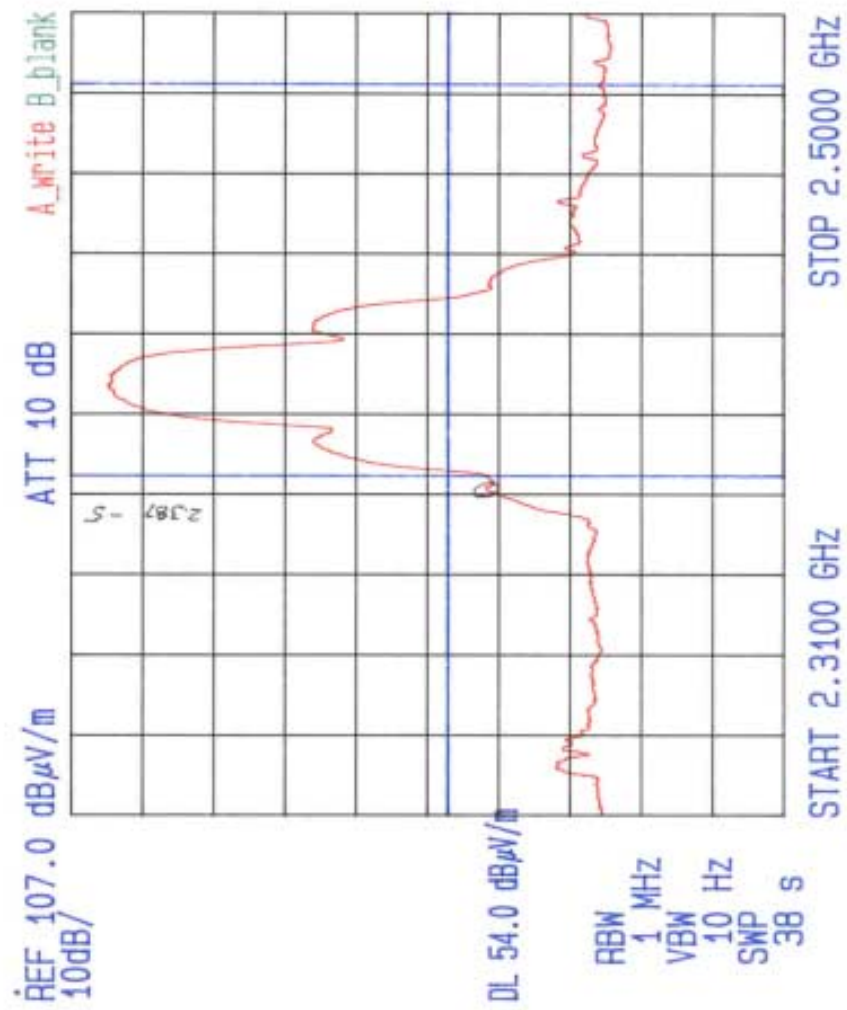
DATA SHEET 6.4.3-14

TEST: RESTRICTED BANDS	EUT: ISL 37400M	S/N: 0022
FREQ: 2.31G-2.50GHz	SPEC: 15.247	ANT: HT/POL: V
DETECTOR: PEAK	LINE UNDER TEST: LOW CHANNEL (1 Mbps)	EUT POSITION:
DATE: 4-24-01	TEST SITE: 3 METER	TESTER: <i>AD</i>

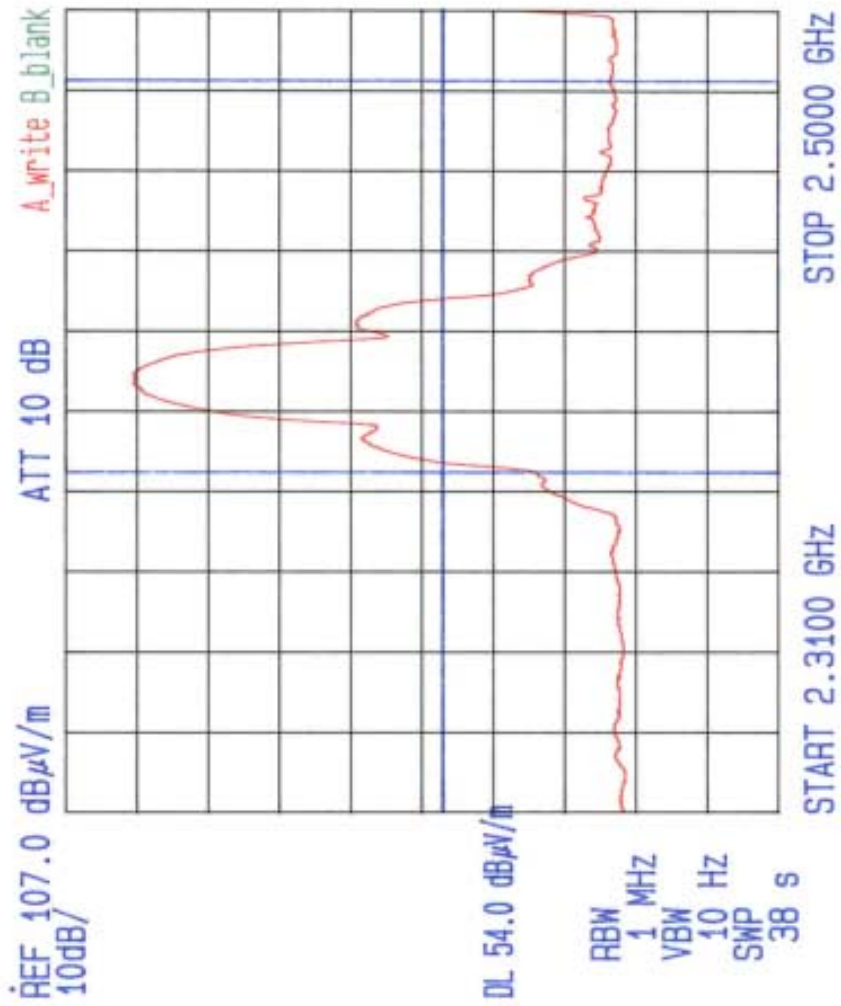




TEST: RESTRICTED BANDS	EUT: ISL 37400M	S/N: 0022
FREQ: 2.31G-2.50GHz	SPEC: 15.247	ANT. HT/POL: H
DETECTOR: AVERAGE	LINE UNDER TEST: LOW CHANNEL (1 Mbps)	EUT POSITION:
DATE: 5-24-01	TEST SITE: 3 METER	TESTER: <i>AB</i>

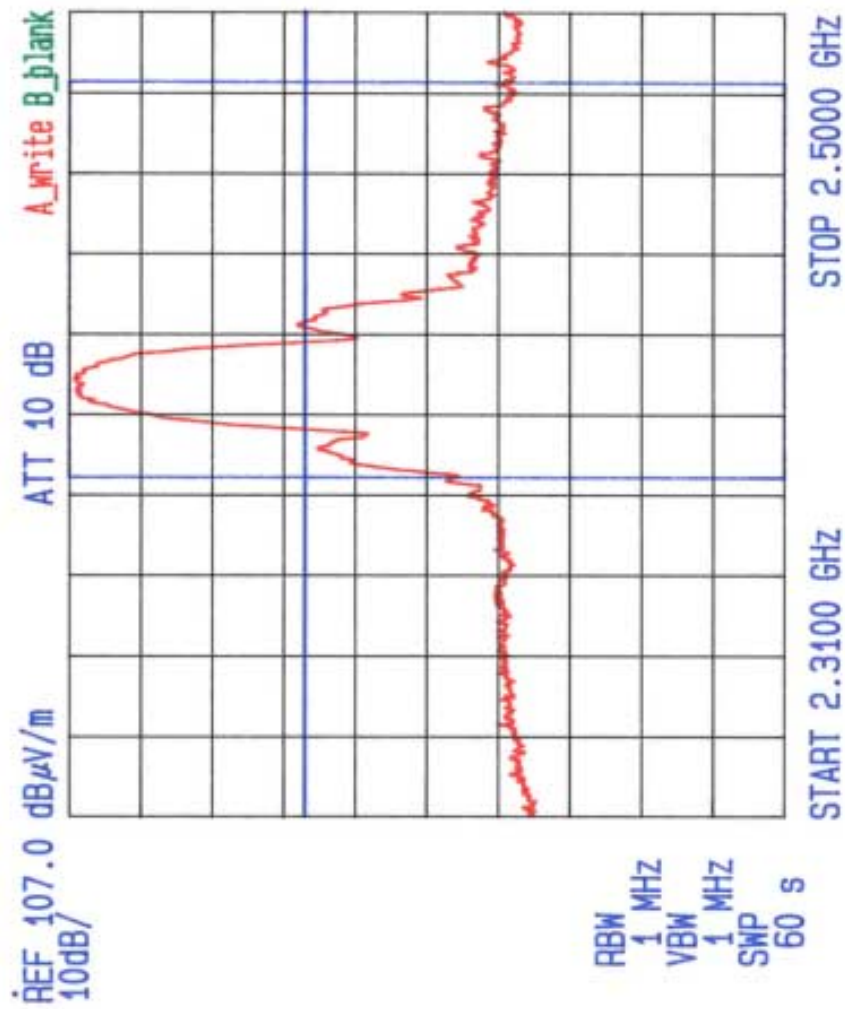


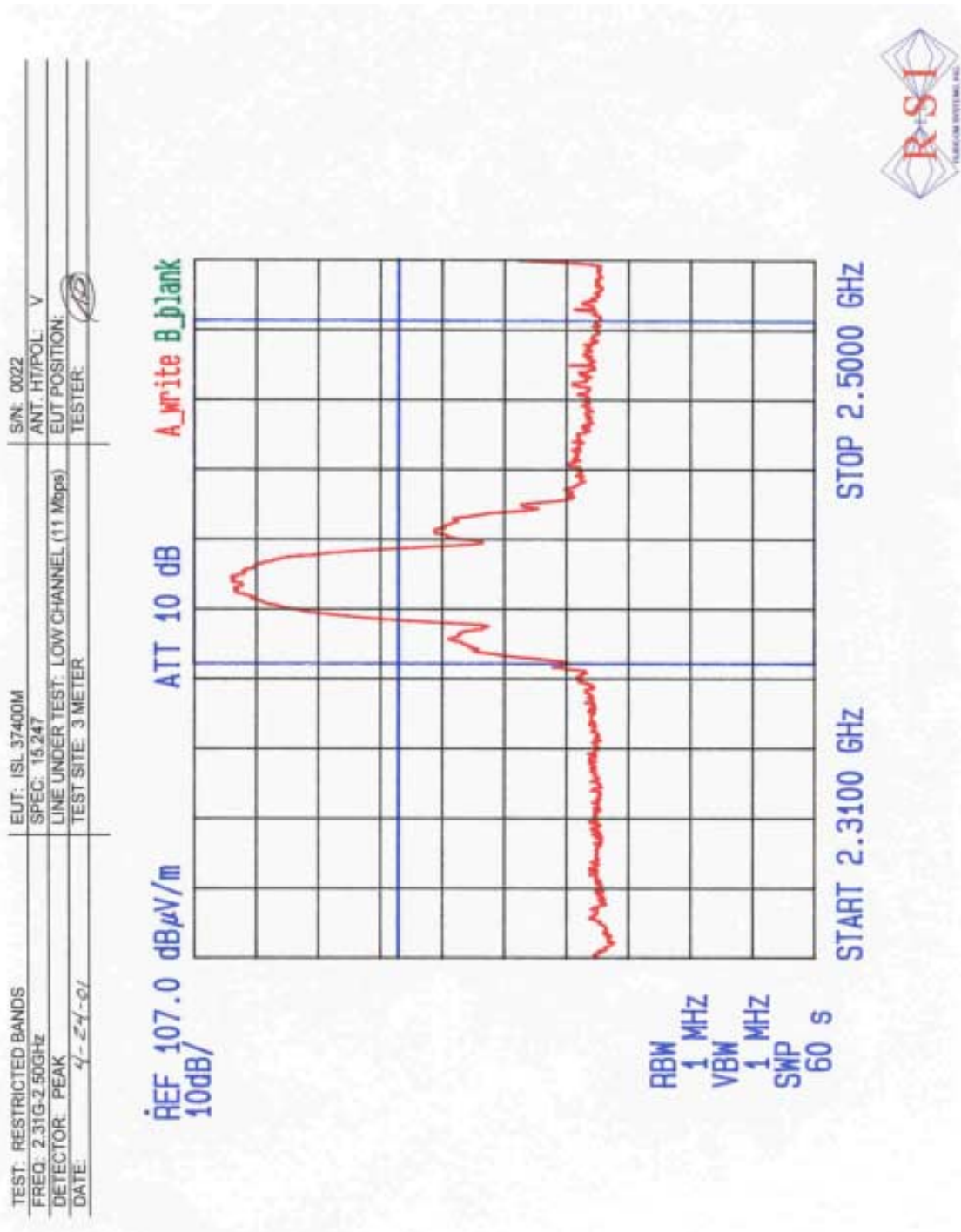
TEST: RESTRICTED BANDS	EUT: ISL 37400M	S/N: 0022
FREQ: 2.31G-2.50GHz	SPEC: 15.247	ANT. HT/POL: V
DETECTOR: AVERAGE	LINE UNDER TEST: LOW CHANNEL (1 Mbps)	EUT POSITION:
DATE: 5-24-01	TEST SITE: 3 METER	TESTER: AB





TEST: RESTRICTED BANDS	EUT: ISL 37400M	S/N: 0022
FREQ: 2.31G-2.50GHz	SPEC: 15.247	ANT HT/POL: H
DETECTOR: PEAK	LINE UNDER TEST: LOW CHANNEL (11 Mbps)	EUT POSITION:
DATE: 4-24-01	TEST SITE: 3 METER	TESTER: <i>[Signature]</i>

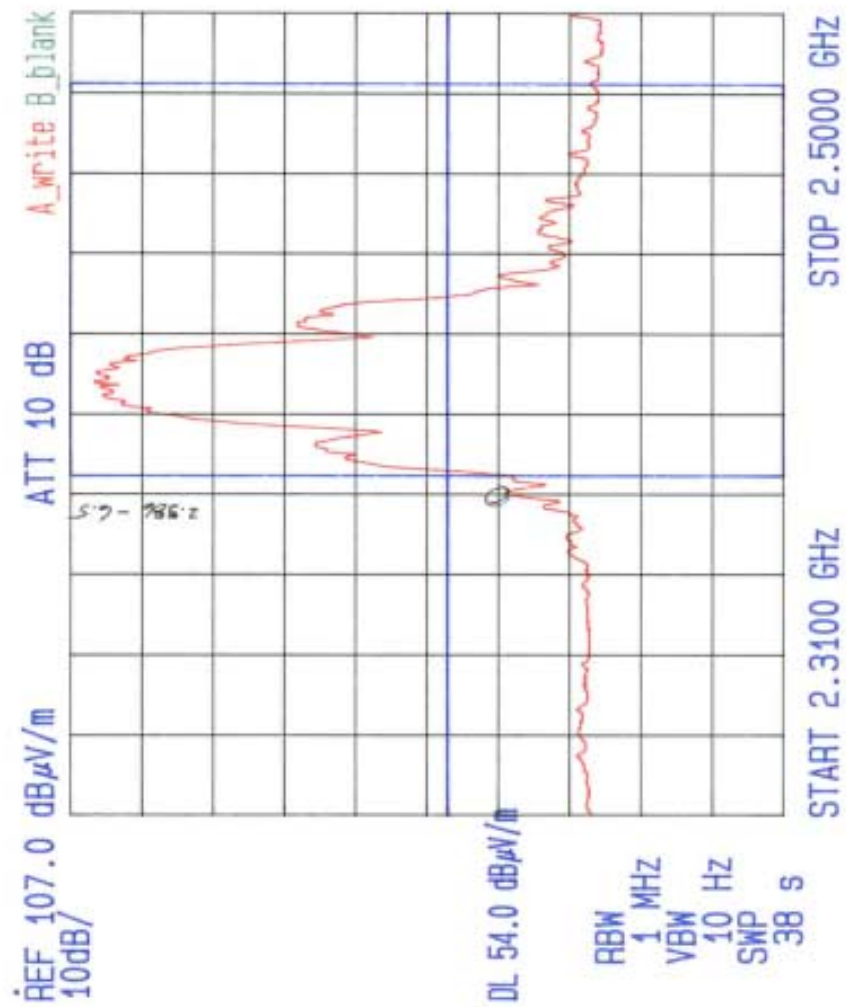




DATA SHEET 6.4.3-19



TEST: RESTRICTED BANDS	EUT: ISL 37400M	S/N: 0022
FREQ: 2.31G-2.50GHz	SPEC: 15.247	ANT. HT/POL: H
DETECTOR: AVERAGE	LINE UNDER TEST: LOW CHANNEL (11 Mbps)	EUT POSITION:
DATE: 5-24-01	TEST SITE: 3 METER	TESTER: <i>AB</i>



DATA SHEET 6.4.3-20

TEST: RESTRICTED BANDS	EUT: ISL 37400M	S/N: 0022
FREQ: 2.31G-2.50GHz	SPEC: 15.247	ANT. HI/POL: V
DETECTOR: AVERAGE	LINE UNDER TEST: LOW CHANNEL (11 Mbps)	EUT POSITION:
DATE: 5-24-01	TEST SITE: 3 METER	TESTER: <i>AB</i>

