

3.0 BUMP (SHOCK)

The total number of pages in  
this subsection is 6

# TEST DATA

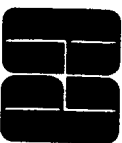
ENVIRONMENT  
ASSOCIATES

|                                                                     |                                                    |                                                 |
|---------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------|
| DATE STARTED<br>7-10-03                                             | CUSTOMER<br>MICROWAVE MONOLITHICS                  | TECHNICIAN (SIGNATURE)<br><i>R. Smith</i>       |
| DATA COMPLETED<br>7-10-03                                           | SPECIMEN DESCRIPTION<br>PERSONAL LOCATOR BEACON    | ENGINEER (SIGNATURE)<br><i>Martin R. Barton</i> |
| TEMPERATURE (LABORATORY)<br>75°F                                    | TYPE OF TEST<br>SHOCK (BUMP)                       | ENGINEER                                        |
| HUMIDITY (LABORATORY)<br>50%                                        | TEST SPECIFICATION<br>RTCM PAPER 76-2002/SCI10-STD | PARAGRAPH NUMBER A4.0                           |
| SPECIMEN NUMBER<br>MBT 040600 S/N 263<br>MBT 040600 TYPE GP S/N 264 |                                                    | JOB NUMBER<br>23283-0714447                     |

|      |                                                                                                                 |
|------|-----------------------------------------------------------------------------------------------------------------|
| 1340 | Begin setup and calibration of computer shock system.<br>1 Control accelerometer @ 100Mv/g                      |
|      | Pulse type: 1/2 SINE Duration: 16 Msec. Level: 98m/s <sup>2</sup>                                               |
|      | No. of pulses/Direction: (4000;                                                                                 |
|      | Total No. of pulses: (ONE DIR. ONLY)                                                                            |
|      | Monitoring equipment set up by: N/A                                                                             |
|      | Fixture used prop. of: E.A. I.D.# CLAMP                                                                         |
|      | E.A. Slip-plate no.: 3X3 Head expander no.: N/A                                                                 |
|      | Fixture mounted in the Y-axis:                                                                                  |
|      | SAMPLES MOUNTED IN Y AXIS -<br>setup complete.                                                                  |
| 1342 | BEGAN PULSES @ 98m/s <sup>2</sup> , 16msec.                                                                     |
| 1434 | COMPLETED 4000 PULSES.<br>CHANGED SAMPLES TO X AXIS:                                                            |
| 1438 | BEGAN PULSES.                                                                                                   |
| 1530 | COMPLETED 4000 PULSES.<br>CHANGED TO Z:                                                                         |
| 1533 | BEGAN PULSES.                                                                                                   |
| 16   | COMPLETED 4000 PULSES.<br>TEST COMPLETE - NO VISIBLE DAMAGE NOTED.<br>SAMPLES DID NOT ACTUATE DURING BUMP TEST. |
|      | POST TEST: OPERATION O.K.                                                                                       |

## TEST DATA

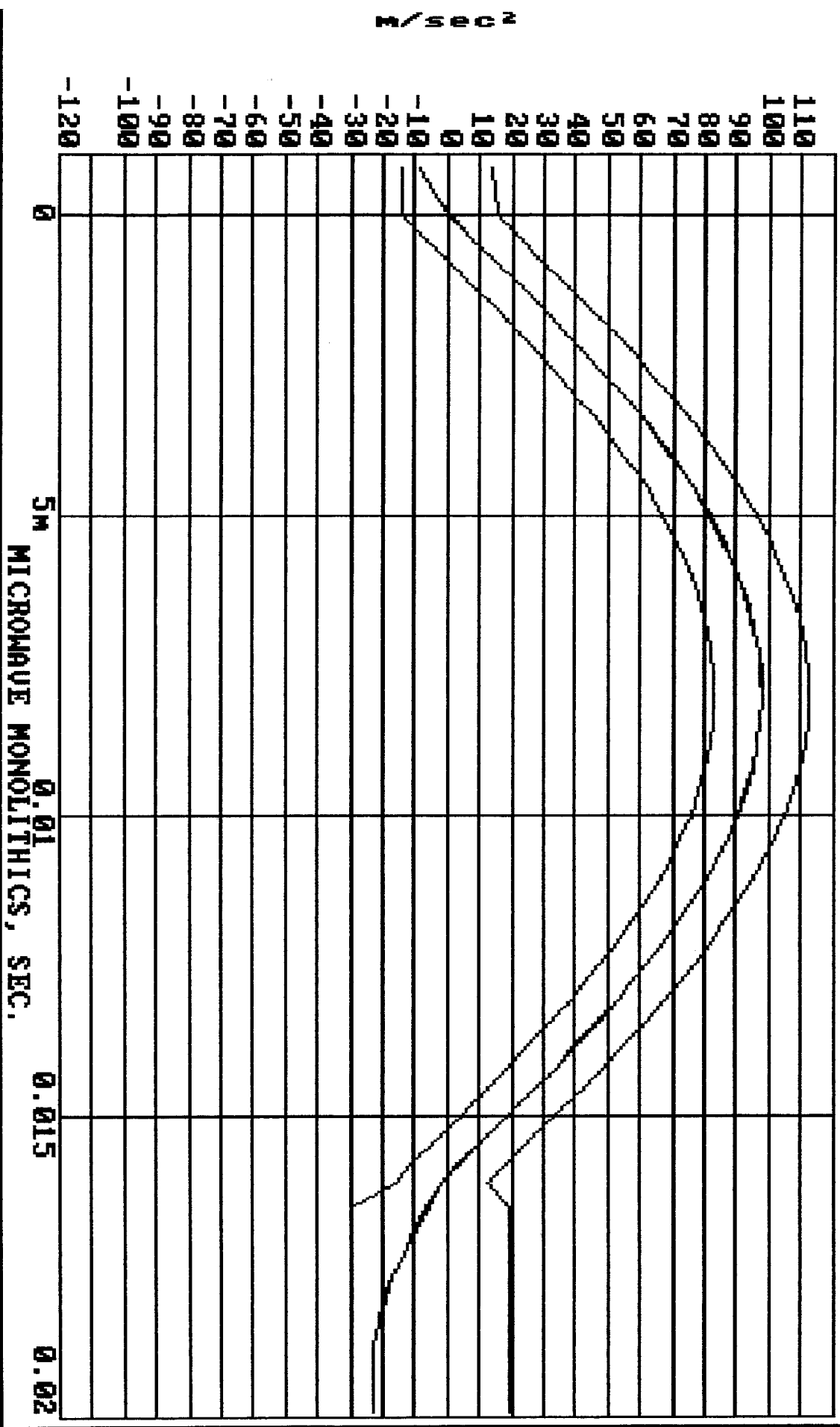
| NOTED              |      |      |                 |                     |                       |
|--------------------|------|------|-----------------|---------------------|-----------------------|
| SPECIMEN<br>NUMBER | DATE | AXIS | PULSE DURATION  | LEVEL               | REMARKS               |
| 263, 264           | 7-10 | Y    | 16 Milliseconds | 98 m/s <sup>2</sup> | COMPLETED 4000 PULSES |
| ↓                  | ↓    | X    | ↓               | ↓                   | 4000 ↓                |
|                    |      | Z    |                 |                     | 4000                  |



**Y AXIS BUMP TEST**      **COMPLETED 4000 PULSES**      **E. A. JOB NO.**  
**PLB: MBT 040600 S/N 263**      **23283-071447**  
**MBT 040600 TYPE GP S/N 264**      **RTCM PAPER 76-2002/SC110-STD**

**CTL**

**Max= 97.849**





X AXIS BUMP TEST

COMPLETED 4000 PULSES

E. A. JOB NO.

PLB: MBT 040600 S/N 263

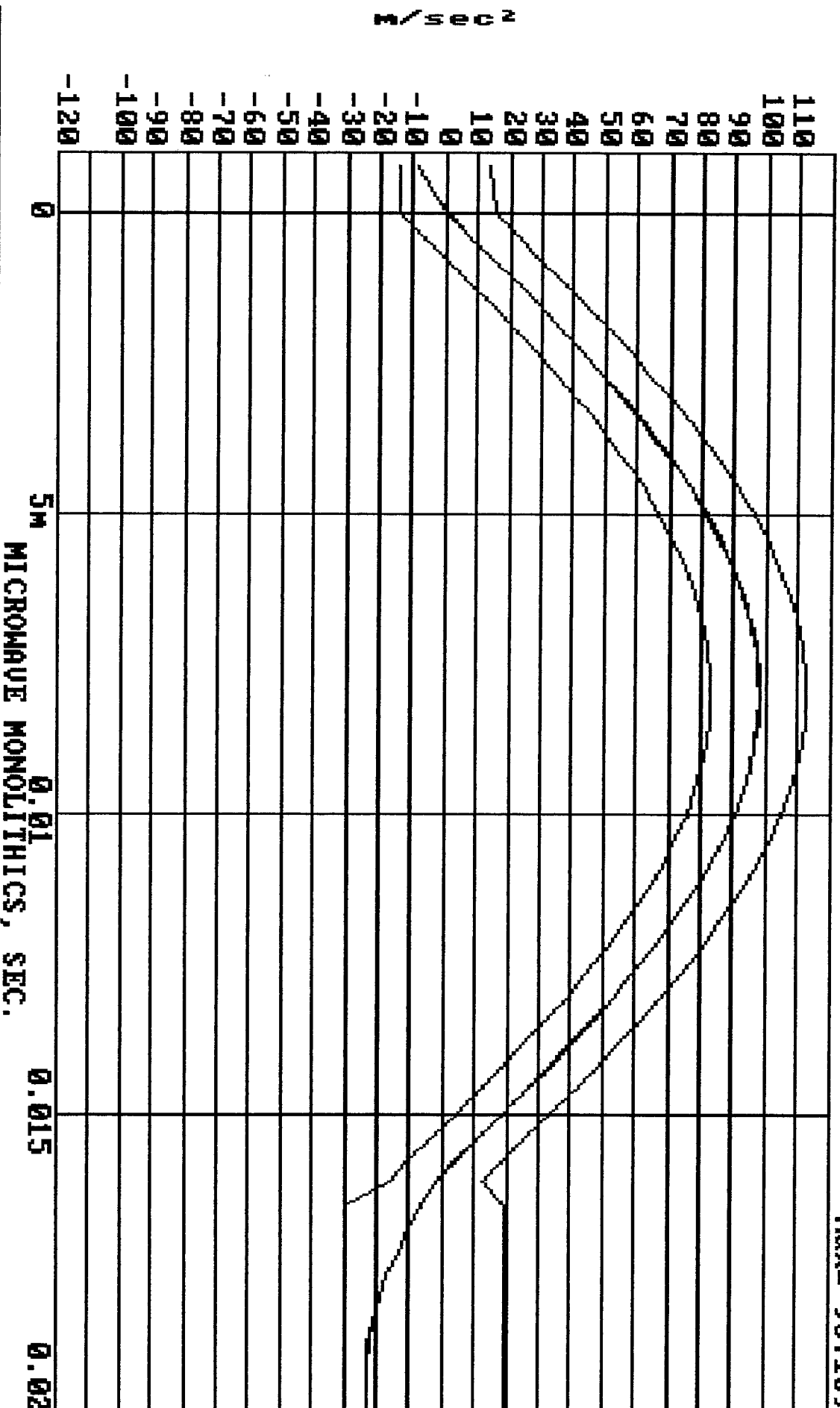
23283-0714447

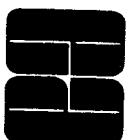
MBT 040600 TYPE GP S/N 264

RTCM PAPER 76-2002/SC110-STD

CTL

Max= 98.159





Z AXIS BUMP TEST

COMPLETED 4000 PULSES

E. A. JOB NO.

PLB: MBT 040600 S/N 263

23283-0714447

MBT 040600 TYPE GP S/N 264

RTCM PAPER 76-2002/SC110-STD

CTL

Max= 98.951

