S-3418-EX-1998

WASHINGTON LABORATORIES, LTD.

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June 4, 1998

Mr. Carl Huie
Federal Communications Commission
Experimental License Branch
2000 M Street, NW
Suite 230
Washington, DC 20554

RE: Request for Special Temporary Authority under Part 5.56 of the FCC Rules

Dear Mr. Huie:

Enclosed is a copy of an application for Special Temporary Authority under FCC Part 5.56.

We kindly request action on this application by 11 June, if possible.

Thank you for your consideration.

Sincerely,

Michael F. Violette (ASM)

Michael F. Violette, P.E.
President

MFV/asm

Enclosures

WLL Project #: 56740-A

Application for Special Temporary Authorization

This request for Special Temporary Authorization is made in accordance with CFR 47, FCC Part 5.56. The required information stated in 5.56(b) is as follows:

1. Name and address of applicant:

- Washington Laboratories
  7560 Lindbergh Drive
  Gaithersburg, MD 20879

2. Need for special action:

- Perform radiated immunity testing on industrial equipment. Size and weight of equipment necessitates performance of testing outside of shielded enclosure. The equipment is a semi-conductor fabrication system.

- The model name of the equipment under test is the NiFe Module.

3. Type of operation to be conducted:

- Perform radiated immunity testing from 80 MHz to 1000 MHz, as allowed.

4. Purpose of operation:

- To determine effect of RF fields on operation of subject equipment. This requirement is necessitated by the European Union EMC Directive.

5. Time and date of proposed operation:

- Testing will be conducted sometime between 12 June and 12 September, 1998. Testing will be performed on a non-continuous basis for approximately 8 hours during this time. Time-of-day will be between 8:00 A.M. and 5:00 P.M.

6. Class of station, call sign of station and nature of service:

- XD FX
- Experimental

7. Location of proposed operation.

GEM City Engineering Co., Inc.
1425 North Kaowee
Dayton, OH 45404

8. Equipment to be used, including manufacturer, model and number of units:

- Signal Generator (one): HP 8648C Signal Generator
- Power Amplifier (one): IFI SMX-1000
- Biconical Antenna (one): Electromechanics 3104P
- Log Periodic Antenna (one): Electromechanics 3146

9. Frequencies desired:

- 80 MHz - 1000 MHz

10. Plate power input to final RF stage:

- 1.65W ERP

11. Type of emission:

A31 (80% AM modulated 1 kHz tone)

12. Overall height of antenna structure above ground:

- 2 meters