

S-3401-EX-1998



WASHINGTON LABORATORIES, LTD.

7560 Lindbergh Drive • Gaithersburg, Maryland 20879 • (301) 417-0220 • Fax (301) 417-9069 • (800) 839-1649
website: <http://www.wll.com> • e-mail: info@wll.com

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exp 8-1-98

WA9XCT

20 May 1998

Carl Huie
Federal Communications Commission
Experimental License Branch
1000 M Street, NW
M/S 1300E1
Washington, DC 20552

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

Dear Mr. Huie,

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

I apologize for the late hour of this request. We kindly request action on this application by 26 May 1998, if possible.

— *RGst file*
Thank you for your consideration.

Sincerely,

Michael F. Violette

MFV/ps

encls.

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, Ltd
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 model number of the equipment under test is the "Innovation Series of Drives", which is an industrial drive for use in driving large industrial motors. The system is approximately 6'X7'X2.5' and weighs approximately 2000lbs. Power input to the equipment is 480VAC.

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 27 May and 30 July 1998. Testing will be performed on a non-continuous basis for approximately four hours during this time. Time-of-day will be between 8:00 am and 5:00 pm.

(and date)

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

- XD FX
- Experimental

7. Location of proposed operation.

- GE Industrial Systems
1501 Roanoke Blvd
Salem, VA 24153

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:

80-108 MHz
137-328.6 MHz*
335.4-406 MHz
410-608 MHz
614-960

(no transmissions at 156.8 & 243 MHz)

10. Plate power input to final RF stage:

- 1.65W ERP

11. Type of emission:

A3 N(80% AM modulated 1 kHz tone)

12. Overall height of antenna structure above ground:

- 2 meters