

S-2664-EX-96

WASHINGTON LABORATORIES, LTD.

7560 Lindbergh Drive • Gaithersburg, MD 20879, USA

Phone (800) 839-1649 • Fax (301) 417-9069

COMPLIANCE TESTING

Radio Frequency • Electrical Safety
FCC • MIL-STD • VDE • IEC/EN • UL/CSA/TUV • CE

3 October 1996

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

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

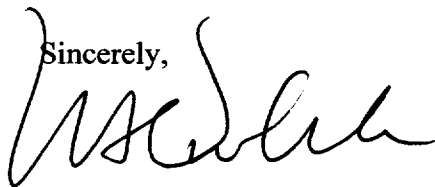
Dear Mr. Huie,

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

We kindly request action on this application by ²¹~~21~~ October, if possible.

Thank you for your consideration.

Sincerely,



Michael F. Violette

WLD 10/17/96
add his signature



WATKINS-JOHNSON COMPANY
700 Quince Orchard Rd.
Gaithersburg, MD 20878-1794

Application for Special Temporary Authorization

1. Application for a Special Temporary Authorization is requested by:

Watkins-Johnson Company
700 Quince Orchard Road
Gaithersburg, MD 20878-1794

2. Watkins-Johnson requests this Special Temporary Authorization to permit evaluation testing of its Cellular Radiotelephone Service Base Station System.
3. Operations center around evaluation testing of the Cellular Radiotelephone Service Base Station System. System evaluations will include non-radiating laboratory evaluations, low power radiating testing inside the test site building, low power indoor testing with mobile stations and low power indoor evaluations of the system in an "underlay" capacity.

An underlay system augments the capacity of an existing Cellular Base Station Cell Site by utilizing unused channel pairs from neighboring Cell Sites that are controlled by the same Cellular System Operator. Watkins-Johnson will work with the local Cellular Operators to insure that all operations cause no harmful interference to the existing Cellular Network.

"Customer"

4. The purpose of the testing operations is for Cellular Radiotelephone Service Base Station System performance verification, client performance acceptance testing and evaluations of system operation in an "underlay" mode.
5. The proposed operations will begin on or about October 21, 1996 and continue for a period of one year. System operation will occur around the clock.
6. The Cellular Radiotelephone Service Base Station System will operate as a Fixed Station as part of the existing Cellular Radiotelephone Service.
7. The location of the proposed system evaluation operations is:

9505 Arboretum Blvd.
Austin, TX 78759

8. Following is a list of the individual equipment that comprise the Watkins-Johnson Cellular Radiotelephone Service Base Station System :

Description	Manufacturer	Model Number	Quantity
Base Transceiver System	Watkins-Johnson		1
Antenna Interface Unit	Watkins-Johnson		1
Signal Link Multiplexor	Watkins-Johnson		1
Site Alarm Interface	Watkins-Johnson		1
MultiCarrier Linear Power Amplifier	Spectrian	MC180A	1
MultiCarrier Linear Power Amplifier	Spectrian	MC600A	1
Channel Activity Detector	Watkins-Johnson		1

- * 9. The frequencies desired for the operations are Control and Communication Channel Pairs from both the A and B Channel Blocks. Watkins-Johnson would like authorization to operate on all channels in both Channel Blocks with the exact channels utilized to be coordinated with the local Cellular Radiotelephone Service Operators.
10. The RF power at the output of the final RF amplifier will be 100 watts. Typical testing will be done at RF power levels of 1 watt or less per carrier.
11. The modulation types that will be used during these operations are compatible with the requirements of Office of Engineering and Technology Bulletin No. 53. Typical emission designators are F3D, F3E, F1D and F9W.
12. No outdoor antennas will be utilized during these operations.

*

A Channel Block Communication Channel Frequencies
869.040 to 879.990 & 890.010 to 891.480 MHz
A Channel Block Control Channel Frequencies
879.390 to 879.990 MHz
B Channel Block Communications Channel Frequencies
880.020 to 889.980 & 891.510 to 893.970 MHz
B Channel Block Control Channel Frequencies
880.020 to 880.620 MHz

Each Cellular Radiotelephone Service channel is 30 KHz wide and specific channels used during the operations will be coordinated with the local Cellular Radiotelephone Operators.



WATKINS-JOHNSON COMPANY
WIRELESS TELECOMMUNICATIONS OPERATIONS
700 Quince Orchard Rd
Gaithersburg MD 20878-1794 - USA

Voice: 301-948-7550

Facsimile: 301-948-6258

TO: Michael Violette _____ **DATE:** 10/3/96

FAX/TWX/TELEX No. 301-417-9069

ORGANIZATION: Washington Laboratories, Ltd.

CITY/STATE/COUNTRY: _____

FROM: Bill Lorentz x7638

COPY: _____

MESSAGE:

Michael:

Here is the proposed transmit frequency information required for the FCC Special Temporary Authorization.

A Channel Block Communication Channel Frequencies

869.040 to 879.990 & 890.010 to 891.480 MHz

A Channel Block Control Channel Frequencies

879.390 to 879.990 MHz

B Channel Block Communications Channel Frequencies

880.020 to 889.980 & 891.510 to 893.970 MHz

B Channel Block Control Channel Frequencies

880.020 to 880.620 MHz

Each Cellular Radiotelephone Service channel is 30 KHz wide and specific channels used during the operations will be coordinated with the local Cellular Radiotelephone Operators. Please call with any questions.

Thank-You

Bill Lorentz
Bill Lorentz

FEDERAL COMMUNICATIONS COMMISSION
MELLON BANK APPLICATION RETURN FORM

Date: *October 9, 1996*

Data Preparation Center
Mellon Bank
Room 153-2718
Pittsburgh, PA 1559-001

Re: *Watkins Johnson Co.*

The enclosed application(s) can be processed as filed. Please refer to the following instructions:

- ☒ Use original date stamped, and stamp all receipt copies with the same date.
- ☐ Restamp application(s) and all other documents.
- ☐ Application was sent to the wrong location, and is being forwarded for processing.
- ☒ Process application(s) in Lockbox *338320*.
- ☐ Process filing using Payment Type Code _____.
- ☐ Process as overpayment.

Please contact the Billings & Collections Branch at (202) 418-1995, if you have any questions.

Sincerely,

Regina W. Dorsey
Regina W. Dorsey, Chief
Billings & Collections Branch *for*

FCC/MELLON OCT 04 1996

FEDERAL COMMUNICATIONS COMMISSION
FCC REMITTANCE ADVICE

Approved by OMB
3060-0689
Expires 2/28/97

PAGE NO. 1 OF 1

SPECIAL USE

FCC USE ONLY

(Read instructions carefully BEFORE proceeding.)

PAYOR INFORMATION

(1) FCC ACCOUNT NUMBER	Did you have a number prior to this? Enter it.	(2) TOTAL AMOUNT PAID (dollars and cents)
		\$ <u>45.00</u>
(3) PAYOR NAME (If paying by credit card, enter name exactly as it appears on your card)		
<u>WASHINGTON LABORATORIES, LTD</u>		
(4) STREET ADDRESS LINE NO. 1		
<u>7560 LINDBERGH DR</u>		
(5) STREET ADDRESS LINE NO. 2		

(6) CITY	(7) STATE	(8) ZIP CODE
<u>GAITHERSBURG</u>	<u>MD</u>	<u>20879</u>
(9) DAYTIME TELEPHONE NUMBER (Include area code)		(10) COUNTRY CODE (if not U.S.A.)
<u>301 417 0220</u>		

ITEM #1 INFORMATION

(11A) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR			FCC USE ONLY	
<u>WATKINS-JOHNSON COMPANY</u>				
(12A) FCC CALL SIGN/OTHER ID	(13A) ZIP CODE	(14A) PAYMENT TYPE CODE	(15A) QUANTITY	(16A) FEE DUE FOR PAYMENT TYPE CODE IN BLOCK 14
	<u>20878-1794</u>	<u>E A E</u>	<u>1</u>	\$ <u>45.00</u>
(17A) FCC CODE 1		(18A) FCC CODE 2		
(19A) ADDRESS LINE NO. 1	(20A) ADDRESS LINE NO. 2	(21A) CITY/STATE OR COUNTRY CODE		
<u>700 QUINCE ORCHARD RD</u>		<u>GAITHERSBURG MD</u>		

ITEM #2 INFORMATION

(11B) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR			FCC USE ONLY	
(12B) FCC CALL SIGN/OTHER ID	(13B) ZIP CODE	(14B) PAYMENT TYPE CODE	(15B) QUANTITY	(16B) FEE DUE FOR PAYMENT TYPE CODE IN BLOCK 14
				\$
(17B) FCC CODE 1		(18B) FCC CODE 2		
(19B) ADDRESS LINE NO. 1	(20B) ADDRESS LINE NO. 2	(21B) CITY/STATE OR COUNTRY CODE		

CREDIT CARD PAYMENT INFORMATION

(22)	MASTERCARD/VISA ACCOUNT NUMBER:	
☐ Mastercard	☐ Visa	EXPIRATION DATE: ☐ ☐ ☐ ☐
(23) I hereby authorize the FCC to charge my VISA or Mastercard for the service(s)/authorization(s) herein describe.		AUTHORIZED SIGNATURE ☐ ☐ ☐ ☐ DATE ☐ ☐ ☐ ☐

See public burden estimate on reverse.

FCC FORM 159