

# RADIO FREQUENCY INTERFERENCE CHECK – INTOXILYZER 8000

Each instrument has an RFI antenna located behind its faceplate display.

RFI can interfere with breath alcohol tests so it is important to perform this check for your agency's commonly used transmission channels. During the performance of this RFI check, the .08 calibration check solution simulator shall be used in the Proficiency Mode.

Fill out the top section of the RFI Report

Agency name  
Location  
Instrument serial number  
Your name and date

Choose common channels that your agency transmits on. Fill in Transmitter Type codes under Radio Frequency Interference Tests. Transmitter Types are as follows:

Handheld: **HH**  
Base: **B**  
Mobile units: **M**

On the RFI report under Radio Transmission Data, enter call letters, channels, frequency (MHz), and wattage of each channel

Use the *Proficiency Testing* mode to perform the RFI checks. Failure to use Proficiency Testing mode may cause the instrument to lock up. When prompted to connect a proficiency solution to the IR 8000, instead connect the .08 standard check-solution.

[ESC] [ESC]

Enter password [ENTER]

Hidden Menu appears

Go to T - "Proficiency Testing" [ENTER]

Enter Standard solution number into instrument, on data sheet, and logbook

The instrument will prompt user to connect simulator

Enter Operator's Last Name [ENTER]

Enter Operator's First Name [ENTER]

Enter Certification Number [ENTER]

Enter Agency Code (## A ##) [ENTER]

Enter Solution #? YY.MM.# [ENTER]

Review Data [Y/N] to correct data back to "Operator's Last Name"

"Attach Standard and Press Key to Proceed"

The instrument will prompt user to connect simulator [ENTER]

Connect the .08 standard check solution [ENTER]

The instrument will begin with two air blanks followed by nine proficiency runs, all preceded and followed by an air blank. The instrument print out will label each proficiency run as a "Cal Check," i.e.

AACACACACACACACACA, where A= air blank and C= Proficiency.

Allow the instrument to run the first three calibration checks normally, then during the fourth (or so) calibration check, transmit an agency channel and continue to transmit a different channel during each subsequent calibration check.

Note: If the instrument stops out and gives a printout with each RFI detection, the operator must begin the Proficiency Testing mode over for each subsequent RFI check.

Enter channel numbers of each transmitter type under Channel.

Under 0.08 Ethanol Results, enter the first three concentration results (in the CONTROL row) prior to testing a radio transmitter. For each radio transmitter, enter either RFI (if RFI is detected for that radio transmission) or the Ethanol concentration (e.g. .077 or .081) if RFI is not detected for a radio transmitter. Submit the RFI Report to SLD.

**(OVER)**

# RADIO FREQUENCY INTERFERENCE CHECK – INTOXILYZER 8000

AGENCY: \_\_\_\_\_

LOCATION: \_\_\_\_\_ INSTRUMENT S/N: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

## RADIO TRANSMISSION DATA

CALL LETTERS	CHANNEL	FREQUENCY (MHz)	WATTAGE

## RADIO FREQUENCY INTERFERENCE TESTS

TRANSMITTER TYPE	CHANNEL	0.08 ETHANOL RESULTS*	REMARKS
<b>CONTROL: run 3</b>	<b>before testing RFI</b>		

\* Ethanol results should either be aborted with RFI message or within +/- of 0.080 g/210L (0.070 – 0.090)

### TRANSMITTER TYPES:

B Base

HH Handheld (Test as close to instrument as possible)

M Mobile (Test as close to instrument as possible)

In proficiency mode, initiate test. When instrument is sampling solution, activate transmitter.