The information in this report is required by 14 CRF 108.17 & 129.26. Failure to report may result in a civil penalty not to exceed $1000.00 For each such violation. (Federal Aviation Act of 1958, Section 901)

Department of Transportation Federal Aviation Administration	X-RAY SYSTEM RADIATION LEAKAGE REPORT (BAGGAGE INSPECTION) (Require by 14 CRF 108.17, 14 CRF 129.26)	FIELD TEST SERIAL NO. 11-7 T	Form Approved OMB No. 2120-0098

AA 1.1 Name and Address of Facility and Specific Location of X-ray System
- Name of Facility (10.60): PHILADELPHIA
- FDA Region: PA
- **BB** St. No. R.R. or Airline/Airport (10.60): 8600 ESSINGTON AVE
- **CC** City (10.73): PHILADELPHIA
- State Code: PA
- Zip Code: 19153
- **DD** Room No. or Other Location of System (10.32): A EAST CHECKPOINT LANE 6
- Person Interview (33-36): [redacted]
- Telephone No.: [redacted]
- Certification Label Present: Yes
- Instrumentation (type and serial number): Model: 481P Serial No. 479

01 1.2 Manufacture and Product ID
- A. Manufacture (Responsible Firm): Rapiscan Security Products, Inc.
- B. [redacted] Mfr. Code
- C. System Model No. and/or Name: RAPISCAN 522
- D. 115V 60HZ Unique I.D.
- E. System Serial No. 7009005
- F. Date of Manufacture Mo. 4 Yr. 2000
- 1.4 Operator Instructions Available: Yes
- 1.5 Maintenance Schedule Available: Yes

02 2.0 Warning Labels Indicators
- 2.1 Warning Label Present at Controls Stating: "Caution: X-Rays Produced When Energized": Yes
- 2.2 Warning Labels Present at Ports Stating: "Caution: Do Not Insert Any Part of the Body When System is Energized, X-Ray Hazard": Yes
- 2.3 Two Indicators Labeled "X-Ray On" Present at Controls (One May Be Labeled "mA Meter"): Yes
- 2.4 At Least One Indicator, X-Ray Marked "X-Ray On", Visible from Each Port, Door, And Access Panel: Yes
- 3.0 Interlocks
- 3.1 "Captured Key" Control: Yes
- 3.2 Door Safety Interlocks
  - A. Minimum Number of Interlocks Visible At Any One Door: NA
  - B. At Least One Interlock Dependent on No Moving Part Except Door: N/A
- 3.3 Prevention of X-Radiation By Interlocks
  - A. All Doors and Access Panels That Were Tested Prevent Generation of X-Radiation: N/A
  - B. Use of X-Ray Control Necessary to Resume Operation Following Interruption: N/A
- 4.0 Ports and/or Apertures
- 4.1 Some Part of the Body Can Be Inserted Through a Port Into The Primary Beam: No
- 4.2 Some Part of the Body Can Be Inserted Into the Aperture: No
- 5.0 Baggage Inspection Systems
- 5.1 Means Provided to Ensure Operator Presence at the Control Area: Yes
- 5.2 Means Provided to Operator for Terminating Exposures of Greater than One-Half Second and Preventing: Yes

03 7.0 Leakage Radiation
- Specific Test Procedure Used: 04
- 7.1 Scatter Block Description: PELICAN 1400 CASE
- UR

05 7.2 Technical Factors: 138 kVp 700 mA

7.3 Location	Exposure Levels	Non-Continuously Activated Systems Only Number of Exposures Initiated		Location	Exposure Levels	Non-Continuously Activated Systems Only Number of Exposures Initiated
	.058 mR/hr	Exp	.06		.026 mR/hr	exp
	.050 mR/hr	Exp			.021 mR/hr	exp
	.029 mR/hr	exp			.020 mR/hr	exp
	.027 mR/hr	exp			.017 mR/hr	exp

07 Reasonable Number of Exposures That May Be Initiated in One Hour — OR — Duty Cycle of System Indicated As a Percentage of One Hour: 100%

08 8.0 Additional Information
- 8.1: 116 UR
- **09** 8.2
- **10** 8.3
- **11** 8.4
- **12** 8.5 Main Beam Intensity =
- **13** Surveyor Information: Surveyor Name (10.73) (Print L, F, MI): [redacted] Date of Survey: 2/18/10 Surveying Agency Code:

Remarks:

FAA Form 185-17 (8-81) FAA HQ

FAB 51381
PM 291219