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 (18.80): PHILADELPHIA | FDA Region: PA | **BB** St. No. R.R. or Airline/Airport (10.60): 8800 ESSINGTON AVE

CC City (10.73): PHILADELPHIA | State Code: PA | Zip Code: 19153

DD Room No. or Other Location of System (10.32): | Person Interview (33-54): [redacted] | Telephone No.: [redacted]

Certification Label Present: Yes | Instruments: (type and serial number) Model: 451P Serial No. 617

01 1.2 Manufacture And Product ID

A. Manufacture (Responsible Firm): Rapiscan Security Products, Inc. | B. 0HU46 Mfr. Code | C. System Model No. and/or Name: RAPISCAN 522

D. 115V 60HZ Unique I.D. | E. System Serial No. 7812404

F. Date of Manufacture Mo. 11 Yr. 2001 | 1.4 Operator Instructions Available: Yes | 1.5 Maintenance Schedule Available: Yes

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

02 3.2 Door Safety Interlocks

A. Minimum Number of Interlocks Visible At Any One 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. At Least One Interlock Dependent on No Moving Part Except Door: 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

6.0 Baggage Inspection Systems | 6.1 Means Provided to Ensure Operator Presence at the Control Area: Yes | 6.2 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

7.2 Technical Factures: 140 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
05	.089 mR/hr	Exp	**06**		.062 mR/hr	exp
	.071 mR/hr	Exp			.062 mR/hr	exp
	.067 mR/hr	exp			.055 mR/hr	exp
	.066 mR/hr	exp			.053 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 143UR

09 8.2

10 8.3

11 8.4

12 8.5 Main Beam Intensity =

13 Surveyor Information | Surveyor Name (10-72) (Print: L. F. MI): [redacted] | Date of Survey: 8/30/10 | Surveying Agency Code:

Remarks:

FAA Form 165-17 (6-81) FAA HQ

Sept 5 1980
PM 3326404