Rapiscan Systems

# X-RAY SYSTEM RADIATION LEAKAGE SURVEY AND COMPLIANCE REPORT

FIELD TEST
Baggage Partial Inspection Systems

Form R-0588-1 10/2/08

| | | | | |
|---|---|---|---|---|
| AA | 1.1 Name and Address of Facility | Name of Facility: JFK International Airport | Region: New York | BB Street Address: Terminal 5 C/P Ln 14 |
| CC | | City: Jamaica | State Code: NY | Zip Code: 11430 |
| DD | and Specific Location of X-ray System | Room No. or Other Location of System: Terminal 5 C/P Ln 14 | Person Interviewed: [redacted] | Telephone No.: [redacted] |
| | | Certification Label Present: Yes | Measuring Instruments: Invision Model: 451P-PYR Serial No. 0000000552 | |
| 01 | 1.2 Manufacture And Product ID | A. Manufacture: Rapiscan Systems, Inc. | B. 0HU46 Mfr. Code | C. System Model No.: 620DVAT |
| | | D. P-7456 X-ray Tube Serial Number (s) | E. System Serial No. 7082128 | |
| | | F. Date of Manufacture Mo. 06 Yr. 08 | 1.4 Operator Instructions Available: Yes | 1.5 Maintenance Schedule Available: N/A |
| | 2.0 Warning Labels | 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 Yes |
| 02 | Indicators | 2.4 At Least One Indicator, X-Ray Marked "X-Ray On", Visible from Each Port Yes | 3.0 Interlocks | 3.1 "Captured Key" Control Yes |
| | 3.2 Prevention of X-Radiation By Interlocks | 3.3 All Doors and Access Panels To the X-ray beam Prevent Generation of X-Radiation Yes | 4.0 Ports | 4.1 Some Part of the Body Can Be Inserted Through a Port Into The Primary Beam NO |
| | | 3.4 Use of X-Ray Control Necessary to Resume Operation Following Interruption Yes | | |
| | 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 X-rays (E-Stop Test) Yes |
| 03 | 6.0 Leakage Radiation | Rapiscan Systems Test Procedure Used: Rapiscan Systems WI-0021 | 6.1 Scatter Block Description: METER CASE | |
| 04 | 6.2 Technical Factors | 160 kVp | 1,000 mA | |

**Operator's Side**

33 µR/hr
25 µR/hr
34 µR/hr

**Non-Operator's Side**

38 µR/hr
41 µR/hr
14 µR/hr

**Front**

56 µR/hr
74 µR/hr
80 µR/hr

**Rear**

41 µR/hr
69 µR/hr
60 µR/hr

**Top**

31 µR/hr
41 µR/hr
17 µR/hr

| | | | |
|---|---|---|---|
| 05 | Dose per pass (to scanned object) 290 mR | | |
| 06 | Surveyor Information | Surveyor Name (Print 1. F. Mi): [redacted] | Date of Survey 11/16/09 |

I have received a copy of this Radiation Survey Form. Customer Signatur[redacted] Date 11/25/09



NOV 57572
PM 2683353