WO# 251952-6

**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: LAX — Region: West — **BB** Street Address: 1 World way

**CC** City: Los Angeles — State Code: CA — Zip Code: 90045

**DD** Room No. or Other Location of System and Specific Location of X-ray System: TBIT south Checkpoint Lane 4 — Person Interviewed: [redacted] — Telephone No.: [redacted]

Certification Label Present: Yes — Measuring [redacted] — Model: 451P — Serial No. 0000000486

**01** 1.2 Manufacture and Product ID — A. Manufacture: Rapiscan Systems, Inc. — B. 9H146 Mfr Code — C. System Model No: 620DV

D. P-4247 / P-4060 X-ray Tube Serial Number (s) — E. System Serial No. 7087123

F. Date of Manufacture Mo. 6 Yr. 2008 — 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" — 2.3 Two Indicators Labeled "X-Ray On" Present at Controls: Yes

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

**02** 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: Pelican 1400 Case

6.2 Technical Factors: 160.8 kVp — 1.007 mA

**04**

| Operator's Side | Non-Operator's Side |
|---|---|
| 25 µR/hr | 15 µR/hr |
| 24 µR/hr | 42 µR/hr |
| 11 µR/hr | 21 µR/hr |

| Front | Rear | Top |
|---|---|---|
| 43 µR/hr | 27 µR/hr | 57 µR/hr |
| 52 µR/hr | 32 µR/hr | 32 µR/hr |
| 41 µR/hr | 50 µR/hr | 20 µR/hr |

**05** Dose per pass (to scanned object): 298 µR/hr

**06** Surveyor Information — Surveyor Name (Print: L. F. M): [redacted] — Surveyor Signature: [redacted] — Date of Survey: 8/19/09

I have received a copy of this Radiation Survey Form. Customer Signature [redacted] Date 8/19/09.



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