Rapiscan systems An OSI Systems Company	BAGGAGE/PARCEL CABINET X-RAY SYSTEM RADIATION LEAKAGE REPORT	FIELD SERVICE ENGINEERS	Form R-0588-3 9/9/09 45. RSI W.O.# 3326608 Deferred W.O.#

1. Name of Facility: Fort Lauderdale APT	2. Region: FL	3. Street Address: 200 terminal Dr.	
4. City: Fort Lauderdale		5. State or Province Code: FL	6. Zip Code: 33315
7. Room No. or Other Physical Location of System: Terminal H Lane 1	8. Person Interviewed: [redacted]	9. Telephone Number: [redacted]	10. Fax Number: [redacted]
11. Manufacture Information & Certification Label Present ■ Yes - Pass ☐ No - Fail	12. Radiation Measuring Instrument: FSE Shall Attach Copy of Calibration Certificate to This Form Model: 451PRYR Serial No. 0558 Calibration Due Date: 11/11/10		
Manufacturer: Rapiscan Systems Inc.	13. System Model No.: AT620DV	14. Single Source ☐ Dual Source ■ Other ☐, Describe:	15. System Serial No.: 7090309
16. Date of Manufacture Mo. 01 Yr. 2009	18. Facility Owner Has been notified of responsibility for "Application for Registration" with their State Radiation Control Agency ■ Yes ☐ No	19. Customer has been notified of their responsibility for posting their State "Notice to Employees" Document and Posted in Several Conspicuous Locations so Employees Can View ■ Yes ☐ No	
17. X-ray Tube Serial Number(s): HP.6453 V.P. 6458	20. Operator Instructions Available ■ Yes - Pass ☐ No - Fail	21. Maintenance Schedule Available ■ Yes - Pass ☐ No - Fail	
22. Warning Label Present at Controls Stating: "Caution: X-Rays Produced When Energized" ■ Yes - Pass ☐ No - Fail	23. Warning Labels Present at Ports Stating: "Caution: Do Not Insert Any Part of the Body When System is Energized, X-Ray Hazard" ■ Yes - Pass ☐ No - Fail	24. Two Indicators Labeled "X-Ray On" Present at Controls (including software user interface) ■ Yes - Pass ☐ No - Fail	
25. At Least One Indicator, Marked "X-Ray On" is Visible from Each Port ■ Yes - Pass ☐ No - Fail	26. Captured Key: The Key for the Key Actuated Control Cannot be Removed in Any Mode that Allows X-Ray Generation ■ Yes - Pass ☐ No - Fail		
27. All Doors and Access Panels To the X-Ray Beam Prevent Generation of X-Radiation ■ Yes - Pass ☐ No - Fail	28. Some Part of the Body Can Be Inserted Through a Port Into The Primary Beam ☐ Yes ■ No		
29. Use of X-Ray Control Necessary to Resume Operation Following Interruption ■ Yes ☐ No	30. Means Provided to Ensure Operator Presence at the Control Area X-ray located in a public access area ■ Yes - Pass ☐ No - Fail Or X-ray located in a non-public access area ☐ Not Required		
Rapiscan Systems Test Procedure Used: Rapiscan Systems WI-0023-4	31. Scatter Block Description: ☐ Two (2) Reams Copy Paper 1400 ■ Other, Describe: Pelican Case	32. Means Provided to Operator for Terminating Exposures of Greater than One-Half Second and Preventing X-rays (E-Stop Test) ■ Yes - Pass ☐ No - Fail	
33. X-Ray Generator Settings: 160 kVp 1.007 mA	Note: All Survey Measurements Shall be Obtained at 5 cm from All External Surfaces and at 5 cm from the Plane of All Access Port Openings or Shroud Extension Openings. Scatter Block shall be Stacked and Positioned Centerline of Primary Beam.		
34.1. Background Radiation: 18 uR/hr	–	Maximum External Surface Dose Rate Not to Exceed 500 uR/hr at 5 cm from all external surfaces.	

34.3 Record All Readings in uR/hr Unless Otherwise Noted

Please see model specific diagram (attached)

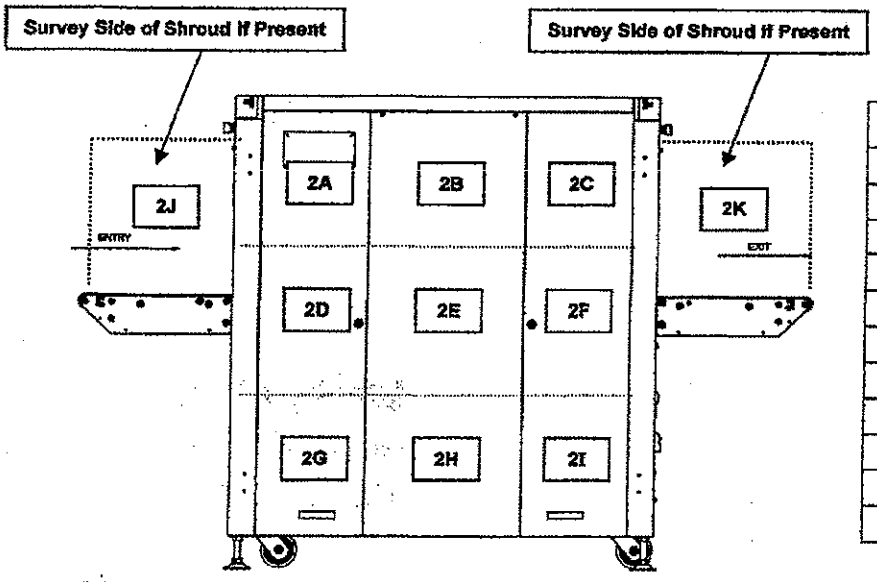
36. Overall Condition of Lead Drapes: ■ SAT - Pass ☐ UNSAT - Fail Description	37. Overall Condition of Machine: ■ SAT – Pass ☐ UNSAT – Fail	38. Comments, Corrective Active Actions and/or Recommendations:	
39. Surveyor Name (Print: L, F, MI): [redacted]	40. S[redacted]	41. Date of Survey: 09/03/10	42. Time of Survey: 11:00AM
The Surveyor has inspected, tested and certified this x-ray machine is in compliance with U.S. FDA 21 CFR 1020.40 and equivalent international radiation emission leakage standards.	43. I ([redacted]) have received a copy of this Radiation Survey Report and understand the responsibility to retain this report for State inspection. Signature [redacted] Date 9.7.10		

This report is to certify this x-ray unit has been surveyed for radiation leakage emissions and found to be within the regulatory radiation emission limit. The safety features, controls and indicators incorporated in the x-ray unit have been satisfactorily tested and/or inspected. The owner of this x-ray unit is responsible for State Radiation Control Agency compliance (not applicable for facilities exclusively operated by the Federal Government) and for the safe use and routine inspection, general maintenance and cleanliness of this x-ray unit. Only trained and qualified individuals should operate this equipment.

ENTERED

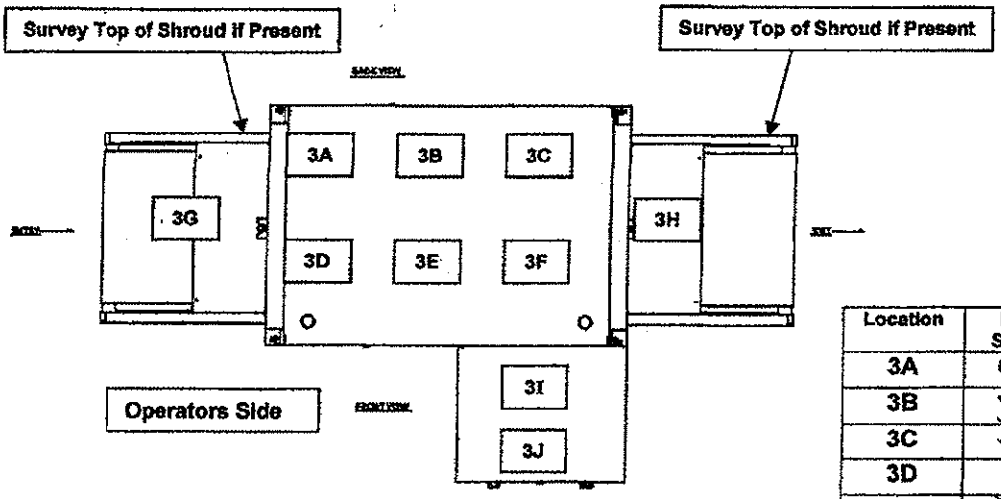
Scpt 58784
(PNG 3326608

FIELD SERVICE ENGINEERS RADIATION EMISSION SURVEY



Non-Operators Side

Location	Results NO Scatter Body	Results WITH Scatter Body
2A	37	38
2B	11	10
2C	32	33
2D	38	15
2E	20	27
2F	11	12
2G	12	15
2H	8	13
2I	6	7
2J	72	74
2K	5	11

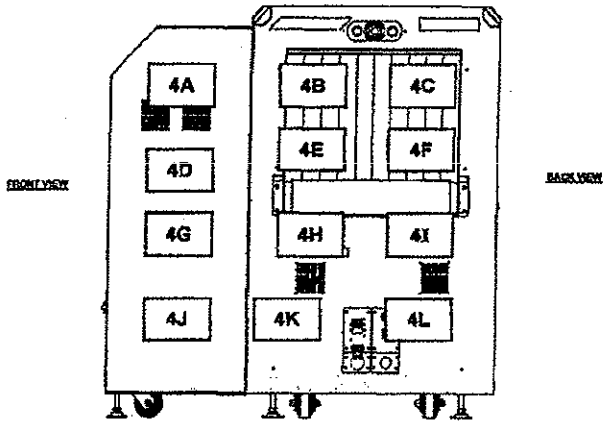


Top View

Location	Results NO Scatter Body	Results WITH Scatter Body
3A	41	59
3B	39	26
3C	28	12
3D	39	19
3E	36	27
3F	24	34
3G	23	18
3H	30	17
3I	36	17
3J	47	15

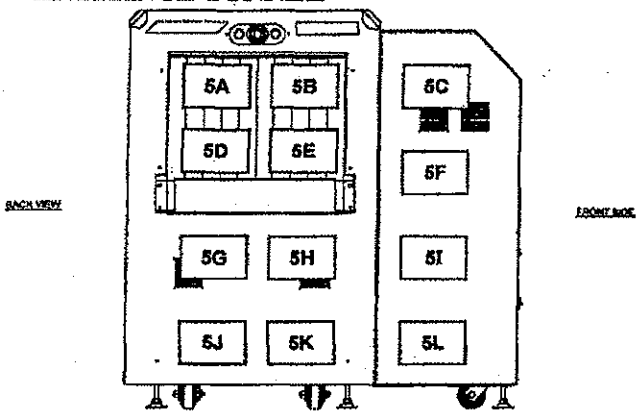
FIELD SERVICE ENGINEERS RADIATION EMISSION SURVEY

EXIT TUNNEL



Location	Results NO Scatter Body	Results WITH Scatter Body
4A	18	52
4B	37	51
4C	41	49
4D	47	52
4E	45	55
4F	40	60
4G	17	54
4H	41	38
4I	49	50
4J	53	61
4K	58	60
4L	51	57

ENTRANCE TUNNEL



Location	Results NO Scatter Body	Results WITH Scatter Body
5A	36	53
5B	49	59
5C	53	40
5D	41	45
5E	37	39
5F	18	43
5G	17	51
5H	15	62
5I	19	57
5J	25	59
5K	17	63
5L	27	65

Instructions:

- If shrouds are NOT installed, radiation measurements shall be taken 5 cm from the lead drapes.
- If shrouds are installed, radiation measurements shall be taken at the imaginary plane of the shroud opening.
- Lead Drapes should touch the conveyor. If they do not, check to verify x-ray radiation is not traveling down the conveyor where the gap exists between the lead drapes and the conveyor surface.
- Survey below the conveyor up against the cabinet near any gaps, mating surfaces, and photo sensor cut-outs.

SURVEY PERFORMED BY: [redacted] DATE: 9-3-2010

[redacted]