



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: **OSP – 0081 – 10**

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: **Toshiba Medical Systems Corporation**

Manufacturer's Technical Representative: Greg Patterson

Mailing Address: 2441 Michelle Drive, Tustin CA 92780

Telephone: On File Email: On File

Product Information

Product Name: **RADREX-i SYSTEM**

Product Type: Radiography medical imaging system

Product Model Number: See Attachment 1

(List all unique product identification numbers and/or part numbers)

General Description: Multiple component systems for the provision of radiography medical imaging. Seismic certification is limited to the components identified in Attachment 1. Seismic enhancements made to the test units and modifications required to address the anomalies observed during the tests shall be incorporated into the production units.

Mounting Description: See Attachment 1

Applicant Information

Applicant Company Name: **EASE Co.**

Contact Person: JONATHAN ROBERSON, S.E

Mailing Address: 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709

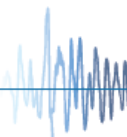
Telephone: (909) 606-7622 Email: j.roberson@easeco.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

Signature of Applicant:  Date: 1/31/2017

Title: Principal Engineer Company Name: **EASE LLC**

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: EASE LLC

Name: JONATHAN ROBERSON, S.E. California License Number: S4197

Mailing Address: 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709

Telephone: (909) 606-7622 Email: j.roberson@easeco.com

Supports and Attachments Preapproval

- Supports and attachments are preapproved under OPM- _____
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- Supports and attachments are not preapproved

Certification Method

- Testing in accordance with: ICC-ES AC156
- Other (Please Specify): _____

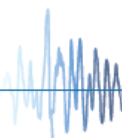
Testing Laboratory

Company Name: Environmental Testing Laboratory, Inc.

Contact Name: Brady Richard

Mailing Address: 11034 Indian Trail, Dallas, TX 75229-3513

Telephone: (972) 247-9657 Email: brady@etldallas.com





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: Yes No

Design Basis of Equipment or Components (F_p/W_p) = SEE ATTACHMENT 1

S_{DS} (Design spectral response acceleration at short period, g) = SEE ATTACHMENT 1

a_p (In-structure equipment or component amplification factor) = SEE ATTACHMENT 1

R_p (Equipment or component response modification factor) = SEE ATTACHMENT 1

Ω_0 (System overstrength factor) = SEE ATTACHMENT 1

I_p (Importance factor) = **1.5**

z/h (Height factor ratio) = SEE ATTACHMENT 1

Equipment or Component Natural Frequencies (Hz) = SEE ATTACHMENT 2

Overall dimensions and weight (or range thereof) = SEE ATTACHMENT 1

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: Yes No

Design Basis of Equipment or Components (V/W) = _____

S_{DS} (Design spectral response acceleration at short period, g) = _____

S_{D1} (Design spectral response acceleration at 1 second period, g) = _____

R (Response modification coefficient) = _____

Ω_0 (System overstrength factor) = _____

C_d (Deflection amplification factor) = _____

I_p (Importance factor) = **1.5**

Height to Center of Gravity above base = _____

Equipment or Component Natural Frequencies (Hz) = _____

Overall dimensions and weight (or range thereof) = _____

Tank(s) designed in accordance with ASME BPVC, 2015: Yes No

List of Attachments Supporting Special Seismic Certification

Test Report(s) Drawings Calculations Manufacturer's Catalog

Other(s) (Please Specify): ATTACHMENTS 1 & 2

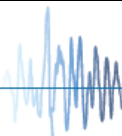
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022

Signature:  Date: April 6, 2017

Print Name: Timothy J. Piland Title: SSE

Special Seismic Certification Valid Up to : S_{DS} (g) = See Above z/h = See Above

Condition of Approval (if applicable): Approval is limited to units identical to tested units.





ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1:

| Manufacturer | | TOSHIBA MEDICAL SYSTEMS CORPORATION ^{[2] [4]} | | | | | | | | | | | | | | | |
|--|---|--|-------|-------------|--------------------|-------------------|----------------------|--------------------------------|-----------------|---------------|----------------|----------------|----------------|---------------|--|--|--|
| System | | RADREX-I Radiography System | | | | DRAD-3000E/U8 | | | | DRAD-3000E/U9 | | | | DRAD-3000E/US | | | |
| COMPONENT | PART NO. | APPROX. DIMENSIONS (IN.) | | | MAX. WT. (LB.) | MOUNT | BASIS ^[1] | F _p /W _p | S _{DS} | z/h | a _p | R _p | Ω ₀ | | | | |
| | | W | D | H | | | | | | | | | | | | | |
| Ceiling Suspended Tube Support • Ceiling Travel Rails | DST-3000A1/W3 | 25 | 37 | 24.2 / 51.4 | 1105 | Ceiling Suspended | UUT-1 | 3.60 | 2.0 | 1 | 2 ½ | 2 ½ | 2 | | | | |
| | DSR-242B/W1 | --- | 205.5 | 3 | 215 | | | 1.50 | 2.5 | 0 | | | | | | | |
| Elevator-Type Bucky Table with FPD (Flat Panel Detector) | EBT-3000A1/V6 | 39.5 | 94 | 19.7 / 37.4 | 894 ^[3] | Floor | UUT-2 | 2.40 1.13 | 2.0 2.5 | 1 0 | 1 | 1 ½ | 1 ½ | | | | |
| Elevator-Type Bucky Table for Wireless FPD | EBT-3000A1/V5 | 39.5 | 94 | 19.7 / 37.4 | 882 ^[3] | Floor | UUT-3 | 2.40 | 2.0 | 1 | 1 | 1 ½ | 1 ½ | | | | |
| REXPanel Portable Wireless Digital Detector (Varian) | TFP-4336W | 15.1 | 18.1 | 0.6 | 7.7 | | | 1.13 | 2.5 | 0 | | | | | | | |
| Vertical Bucky Stand with FPD | VBS-3100A1/V6 | 34.1 | 33.3 | 85.8 | 321 | Wall/Floor | UUT-4 | 2.40 1.13 | 2.0 2.5 | 1 0 | 1 | 1 ½ | 1 ½ | | | | |
| Vertical Bucky Stand for Wireless FPD | VBS-1000A1/V7 | 31.5 | 23.1 | 79.6 | 426 | Wall/Floor | UUT-5 | 2.40 | 2.0 | 1 | 1 | 1 ½ | 1 ½ | | | | |
| REXPanel Portable Wireless Digital Detector (Varian) | TFP-4336W | 15.1 | 18.1 | 0.6 | 7.7 | | | 1.13 | 2.5 | 0 | | | | | | | |
| System Interface | SYS-3000A1/S3 | 22.5 | 15.8 | 35.4 | 147 | Wall/Floor | UUT-6 | 1.44 1.13 | 2.0 2.5 | 1 0 | 1 | 2 ½ | 2 | | | | |
| Diagnostic X-Ray High Voltage Generator | KXO-80SS/D9 | 26.75 | 14.9 | 35.4 | 318 | Wall/Floor | UUT-7 | 1.44 1.13 | 2.0 2.5 | 1 0 | 1 | 2 ½ | 2 | | | | |
| Digital Radiographic System | TFD-3000B/W2 | 21.7 | 16.5 | 40.1 | 221 | Floor | UUT-8 | 1.44 1.13 | 2.0 2.5 | 1 0 | 1 | 2 ½ | 2 | | | | |
| 19" LCD monitor w/ touch panel (iiyama) | PLT1900 | 17 | 2.5 | 14 | 11 | CT-A | UUT-11 | 1.44 | 2.0 | 1 | 1 | 2 ½ | 2 | | | | |
| 19" LCD monitor (EIZO) | 0FTD1930 NNO | 17 | 2.5 | 14 | 8.5 | CT-A | UUT-12 | 1.13 | 2.5 | 0 | | | | | | | |
| 3-Bay Charger for REXPanel Portable Wireless Digital Detector (Varian) | 35205 REV B | 10.2 | 13.5 | 2.2 | 2.5 | CT-A | UUT-13 | 1.44 1.13 | 2.0 2.5 | 1 0 | 1 | 2 ½ | 2 | | | | |
| Eaton 9PX5K UPS | 9104-5211-00P | 5.1 | 28.4 | 17.3 | 104.5 | Floor | UUT-A1 | 1.80 | 2.5 | 1.0 | 1 | 2 ½ | 2 | | | | |
| Eaton 9PX6K UPS | 9104-12585-00P | 5.1 | 28.4 | 17.3 | 104.5 | Floor | UUT-B1 | 1.44 1.13 | 2.0 2.5 | 1 0 | 1 | 2 ½ | 2 | | | | |
| <i>Mount</i> | <p>FLOOR (RIGID BASE): a free-standing, base mounted condition with the component rigidly attached to a supporting structure and no lateral support above the base.</p> <p>WALL/FLOOR MOUNTED: refers to a condition where the unit bears on, and is anchored directly to the supporting floor. In addition, lateral restraint anchoring the unit to an adjacent wall or other supporting structure is provided along the height of the equipment.</p> <p>CEILING SUSPENDED: refers to a condition where the unit is anchored to and suspended from a framing system at or slightly above the ceiling line of the room.</p> <p>CTA (COUNTERTOP ANCHORED) refers to a condition where the unit is anchored to a counter, desk, or other piece of fixed furniture..</p> | | | | | | | | | | | | | | | | |
| <i>Notes</i> | <p>1. BASIS:</p> <ul style="list-style-type: none"> • UUT#: Indicates that a test specimen matching these characteristics was tested as part of this testing program. • SAME: Model is physically, mechanically & electrically the same as test specimen. Difference is limited to model number, color, software and/or GE manufacturing location. • INT (Interpolate/Extrapolate): indicates a model that was not specifically tested, and by which seismic certification is established through evaluation of testing of other, similar models in the product line <p>2. All components in table above are manufactured by Toshiba Medical Systems Corporation (TMSC) except as noted.</p> <p>3. Patient Couch weights do not include the 500 lb simulated patient loads present during testing.</p> <p>4. Toshiba seismic kits used in the testing programs shall be installed as a necessary condition of Special Seismic Certification.</p> | | | | | | | | | | | | | | | | |

ATTACHMENT 2: TEST SPECIMEN SUMMARY

| UUT-1 Ceiling Suspended Tube Support & Ceiling Travel Rails | | | | | | | | | |
|---|---------------|----------------------|--------|--|---------------------------------|------------------------|------------------------|------------------------|--|
| MANUFACTURER: Toshiba Medical Systems Corp. | | | |  | | | | | |
| IDENTIFICATION: Tube Support | | Ceiling Travel Rails | | | | | | | |
| DST-3000A1/W3 | | DSR-242BW1 | | | | | | | |
| DESCRIPTION: Component of RADREX-i System | | | | | | | | | |
| MOUNTING: Ceiling Suspended using: (2) – M10-Class 12.9 bolts & Unistrut P1008-M10 channel nuts w/ springs. Typical each of (5) Unistrut P1000 support points along each of (2) longitudinal rail. (20 bolts total). | | | | | | | | | |
| PROPERTIES: | | | | | | | | | |
| DIMENSIONS (in.) | | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | | Front-Axis | Side-Axis | Vert-Axis | | |
| 25 | 37 | 24.2 – 51.4 | | 1105 | 4.2 | 4.3 | 4.5 | | |
| ---- | 205.5 | 3 | | 215 | ----- | ----- | ----- | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) | |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 | |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | | |

| UUT- 2 Elevator-Type Bucky Table with FPD | | | | | | | | | |
|---|---------------|---------------------|--------|--|---------------------------------|------------------------|------------------------|------------------------|--|
| MANUFACTURER: Toshiba Medical Systems Corp. | | | |  | | | | | |
| IDENTIFICATION: EBT-3000A1/V6 | | | | | | | | | |
| | | | | | | | | | |
| DESCRIPTION: Component of RADREX-i System. | | | | | | | | | |
| MOUNTING: Floor mounted using: (4) – ½" dia. SAE J429 Grade 8 bolts to interface plate. | | | | | | | | | |
| PROPERTIES: | | | | | | | | | |
| DIMENSIONS (in.) | | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | | Front-Axis | Side-Axis | Vert-Axis | | |
| 39.5 | 94 | 19.7 – 37.4 | | 894+ 500 lb patient load | 10.3 | 17.9 | 5.1 | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) | |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 | |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | | |

ATTACHMENT 2: TEST SPECIMEN SUMMARY


| UUT- 3 Elevator-Type Bucky Table for Wireless FPD | | | | | | | | | |
|---|---------------|---|---------------------------|----------------|---------------------------------|------------------------|------------------------|------------------------|--|
| MANUFACTURER: | | Toshiba Medical Systems Corp. | | | | | | | |
| IDENTIFICATION: | | EBT-3000A1/V5 | | Patient Table | | | | | |
| | | TFP-4336W | | REXPanel | | | | | |
| DESCRIPTION: | | Component of RADREX-i System. REXPanel wireless portable detector (by Varian Medical Systems) installed in bucky during test. | | | | | | | |
| MOUNTING: | | Floor mounted using: (4) – ½” diameter SAE J429 Grade 8 bolts to interface plate. | | | | | | | |
| PROPERTIES: | | | | | | | | | |
| DIMENSIONS (in.) | | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | Front-Axis | | Side-Axis | Vert-Axis | | | |
| 39.5 | 94 | 19.7 – 37.4 | 882 + 500 lb patient load | 11.2 | 26.9 | 5.5 | | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) | |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 | |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | | |




| UUT- 4 Vertical Bucky Stand with FPD | | | | | | | | | |
|---|---------------|---|------------|----------------|---------------------------------|------------------------|------------------------|------------------------|--|
| MANUFACTURER: | | Toshiba Medical Systems Corp. | | | | | | | |
| IDENTIFICATION: | | VBS-3100A1/V6 | | | | | | | |
| DESCRIPTION: | | Component of RADREX-i System. Tilting motorized bucky wall stand with internal fixed FPD | | | | | | | |
| MOUNTING: | | Wall/Floor mounted using: (4) – 3/8” dia. ASTM A574 Socket Head Cap Screws to wall (4) – ½” diameter SAE J429 Grade 8 bolts to interface plate at base. | | | | | | | |
| PROPERTIES: | | | | | | | | | |
| DIMENSIONS (in.) | | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | Front-Axis | | Side-Axis | Vert-Axis | | | |
| 34.1 | 33.3 | 85.8 | 321 | 7.4 | 11.6 | 11.0 | | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) | |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 | |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | | |





ATTACHMENT 2: TEST SPECIMEN SUMMARY

| UUT- 5 Vertical Bucky Stand for Wireless FPD | | | | | | | | |
|---|--|---------------------|--------------|---------------------------------|------------------------|------------------------|------------------------|------------------------|
| MANUFACTURER: | Toshiba Medical Systems Corp. | | | | | | | |
| IDENTIFICATION: | VBS-1000A1/V7 Bucky Stand TFP-4336W REXPanel | | | | | | | |
| DESCRIPTION: | Component of RADREX-i System. Non-tilting bucky. REXPanel wireless portable detector (by Varian Medical Systems) installed in bucky during test. | | | | | | | |
| MOUNTING: | Wall/Floor mounted using (2) – 3/8" dia. ASTM A574 Socket Head Cap Screws to wall (4) – 3/8" dia. ASTM A574 Socket Head Cap Screws to interface plate at base. | | | | | | | |
|  | | | | | | | | |
| PROPERTIES: | | | | | | | | |
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | Front-Axis | Side-Axis | Vert-Axis | | |
| 31.5 | 23.1 | 79.6 | 426 | 7.6 | 12.5 | 11.9 | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | |

| UUT- 6 System Interface | | | | | | | | |
|---|---|---------------------|--------------|---------------------------------|------------------------|------------------------|------------------------|------------------------|
| MANUFACTURER: | Toshiba Medical Systems Corp. | | | | | | | |
| IDENTIFICATION: | SYS-3000A1/S3 | | | | | | | |
| DESCRIPTION: | Component of RADREXi System. | | | | | | | |
| MOUNTING: | Wall/Floor mounted using: (4) – 1/4" diameter hex washer head sheet metal screws to wall (4) – 3/8" dia. ASTM A574 Socket Head Cap Screws to interface plate at base. | | | | | | | |
|  | | | | | | | | |
| PROPERTIES: | | | | | | | | |
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | Front-Axis | Side-Axis | Vert-Axis | | |
| 22.5 | 15.8 | 35.4 | 147 | 21.4 | 17.7 | 36.4 | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | |

ATTACHMENT 2: TEST SPECIMEN SUMMARY

| UUT- 7 Diagnostic X-Ray High Voltage Generator | | | | | | | | | |
|--|---------------|---------------------|------------|----------------|---|------------------------|------------------------|------------------------|--|
| MANUFACTURER: Toshiba Medical Systems Corp. | | | | |  | | | | |
| IDENTIFICATION: KXO-80SS/D9 | | | | | | | | | |
| DESCRIPTION: Component of RADREX-i System. | | | | | | | | | |
| MOUNTING: Wall/Floor mounted using: (4) – 1/4" diameter hex washer head sheet metal screws to wall (4) – 1/2" diameter SAE J429 Grade 8 bolts to interface plate at base. | | | | | | | | | |
| PROPERTIES: | | | | | | | | | |
| DIMENSIONS (in.) | | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | Front-Axis | | Side-Axis | Vert-Axis | | | |
| 26.75 | 14.9 | 35.4 | 318 | | 20.0 | 19.6 | 19.0 | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) | |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 | |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | | |

| UUT- 8 Digital Radiographic System | | | | | | | | | |
|---|---------------|---------------------|------------|----------------|---|------------------------|------------------------|------------------------|--|
| MANUFACTURER: Toshiba Medical Systems Corp. | | | | |  | | | | |
| IDENTIFICATION: TFD-3000BW2 | | | | | | | | | |
| DESCRIPTION: Component of RADREX-i System. | | | | | | | | | |
| MOUNTING: Floor mounted using: (4) – 3/8" dia. ASTM A574 Socket Head Cap Screws to interface plate. | | | | | | | | | |
| PROPERTIES: | | | | | | | | | |
| DIMENSIONS (in.) | | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | Front-Axis | | Side-Axis | Vert-Axis | | | |
| 21.7 | 16.5 | 40.1 | 221 | | 9.4 | 6.4 | 27.4 | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) | |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 | |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | | |

ATTACHMENT 2: TEST SPECIMEN SUMMARY


| UUT-11 | | 19" LCD monitor w/ touch panel | | | | | | |
|---|---------------|--|--------------|---------------------------------|------------------------|------------------------|------------------------|------------------------|
| MANUFACTURER: | | iiyama | | | | | | |
| IDENTIFICATION: | | Model No.: TFDK-TPLCD | | | | | | |
| | | Iiyama ProLite T1931SR Model PLT1900 | | | | | | |
| DESCRIPTION: | | Component of RADREX-i System. | | | | | | |
| MOUNTING: | | Countertop Anchored mounted using; (4) Toshiba provided machine screws to integral bracket on UUT-8 | | | | | | |
| PROPERTIES: | | | | | | | | |
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | Front-Axis | Side-Axis | Vert-Axis | | |
| 16.9 | 2.25 | 15 | 11 | 10.9 | 6.5 | 27.9 | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | |




| UUT- 12 | | 19" LCD monitor without touch panel | | | | | | |
|---|---------------|--|--------------|---------------------------------|------------------------|------------------------|------------------------|------------------------|
| MANUFACTURER: | | EIZO | | | | | | |
| IDENTIFICATION: | | TFDK-LCD | | | | | | |
| DESCRIPTION: | | Component of RADREX-i System. | | | | | | |
| MOUNTING: | | Countertop Anchored mounted using; (4) Toshiba provided machine screws to integral bracket on UUT-8 | | | | | | |
| PROPERTIES: | | | | | | | | |
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | Front-Axis | Side-Axis | Vert-Axis | | |
| 17 | 2.5 | 14 | 8.5 | 9.2 | 6.7 | 13.5 | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | |




ATTACHMENT 2: TEST SPECIMEN SUMMARY

| UUT- 13 | | 3-Bay Battery Charger for Portable Wireless FPD (TFP-4336W) | | | | | | |
|---|---------------|---|--------------|---------------------------------|------------------------|------------------------|------------------------|------------------------|
| MANUFACTURER: Varian Medical Systems (VMS) | |  | | | | | | |
| IDENTIFICATION: Model No. 35205 REV B | | | | | | | | |
| S/N: 000544 | | | | | | | | |
| DESCRIPTION: 3-Bay battery charger for Varian Medical Systems 14.8V / 2.1 AH lithium-Ion batteries (REF 30771 REV B) , which are used with RADReX Portable Wireless FPD (TFP-4336W). | | | | | | | | |
| MOUNTING: Countertop Anchored using: 1"W x 8"L Velcro hook & loop tape applied to the lower face of the charger at the two side edges . | | | | | | | | |
| PROPERTIES: | | | | | | | | |
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | Front-Axis | Side-Axis | Vert-Axis | | |
| 10.2 | 13.5 | 2.2 | 2.5 | 33.0 | 41 | 26.5 | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} (g) | z/h | I _P | A _{FLX-H} (g) | A _{RIG-H} (g) | A _{FLX-V} (g) | A _{RIG-V} (g) |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | |

| UUT- A1 | | Eaton 9PX5K UPS | | | | | | |
|---|---------------|--|--------------|---------------------------------|--------------------|--------------------|--------------------|--------------------|
| MANUFACTURER: Eaton | |  | | | | | | |
| IDENTIFICATION: Part No.: 9104-5211-00P Serial No.:G204D41024 | | | | | | | | |
| DESCRIPTION: Uninterruptible Power Supply with internal batteries. | | | | | | | | |
| MOUNTING: Floor Mounted using: Toshiba Seismic Mount kit (Model No. ANC-CA-9PX5K-UPS) (4)-3/8" ASTM A574 Socket Head Cap Screws to aluminum interface plate. | | | | | | | | |
| PROPERTIES: | | | | | | | | |
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | X-Axis | Y-Axis | Z-Axis | | |
| 5.1 | 28.4 | 17.3 | 104.5 | 11.0 | 28.2 | 22.6 | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | |
| CODE | TEST CRITERIA | S _{DS} | z/h | I _P | A _{FLX-H} | A _{RIG-H} | A _{FLX-V} | A _{RIG-V} |
| CBC 2016 | ICC-ES AC156 | 2.5 | 1.0 | 1.5 | 4.00 | 3.00 | 1.68 | 0.68 |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | |

ATTACHMENT 2: TEST SPECIMEN SUMMARY

| | | | | | | | | |
|---|----------------------|---|-------------------|---|--|--------------------------|--------------------------|--------------------------|
| UUT- B1 | | Eaton 9PX6K UPS | |  | | | | |
| MANUFACTURER: | | Eaton | | | | | | |
| IDENTIFICATION: | | Part No.: 9104-12585-00P Serial No.: G205G02132 | | | | | | |
| DESCRIPTION: | | Uninterruptible Power Supply with internal batteries. | | | | | | |
| MOUNTING: | | Floor Mounted using: Toshiba Seismic Mount kit (Model No. ANC-CA-9PX5K-UPS) (4)-3/8" ASTM A574 Socket Head Cap Screws to aluminum interface plate.. | | | | | | |
| PROPERTIES: | | | | | | | | |
| DIMENSIONS (in.) | | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | |
| Width | Depth | Height | Front/Back | | Side/Side | Vertical | | |
| 5.1 | 28.4 | 17.3 | 104.5 | 43.1 | 18.3 | >50 | | |
| SHAKE TABLE TEST PARAMETERS | | | | | | | | |
| CODE | TEST CRITERIA | S_{DS} | z/h | I_P | A_{FLX-H} | A_{RIG-H} | A_{FLX-V} | A_{RIG-V} |
| CBC 2016 | ICC-ES AC156 | 2.0 2.5 | 1 0 | 1.5 | 3.20 | 2.40 | 1.68 | 0.68 |
| Unit maintained structural integrity and remained functional per manufacturer requirements. | | | | | | | | |