



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

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

OFFICE USE ONLY

APPLICATION #: **OSP – 0445 – 10**

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: **SIEMENS HEALTHCARE**

Manufacturer's Technical Representative: Mike Poceschi

Mailing Address: 51 Valley Stream Parkway, Malvern, PA 19355

Telephone: (888) 826-9702 Email: On File

Product Information

Product Name: **SOMATOM Scope CT System**

Product Type: Computed Tomography (CT) medical imaging system.

Product Model Number: See Attachment 1, Table 1

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

General Description: Multiple component systems for the provision of Computed Tomography medical diagnostic imaging. Seismic Certification is limited to components identical to tested components, identified in Attachment 1.

Mounting Description: See Attachment 1, Table 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

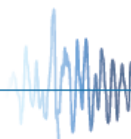
I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2013.

Signature of Applicant:  Date: September 12, 2015

Title: Principal Engineer Company Name: EASE Co.

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY
OSH-FD-759 (REV 10/21/14)



OSHPD

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**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 Co.

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

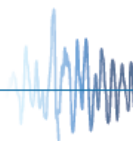
Company Name: Environmental Testing Laboratory, Inc.

Contact Name: Brady Richard

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

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

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**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, Table 1

S_{DS} (Design spectral response acceleration at short period, g) = See Attachment 1, Table 1

a_p (In-structure equipment or component amplification factor) = See Attachment 1, Table 1

R_p (Equipment or component response modification factor) = See Attachment 1, Table 1

Ω_0 (System overstrength factor) = 1.5 for Patient Tables & Gantry; 2.5 all others

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = See Attachment 1, Table 1

Equipment or Component Natural Frequencies (Hz) = See Attachment 2

Overall dimensions and weight (or range thereof) = See Attachment 1, Table 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, 2010: Yes No

List of Attachments Supporting Special Seismic Certification

Test Report(s) Drawings Calculations Manufacturer's Catalog

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

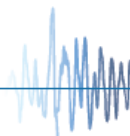
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2019

Signature:  Date: October 7, 2015

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): Seismic certification is limited to components identical to tested components.




ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1:

| System Manufacturer | | SIEMENS HEALTHCARE | | | | | | | | | | | | |
|---|--|--------------------------|--------|-------|----------------------|-------|----------------------|--------------------------------|-----------------|--------|----------------|----------------|----------------|--|
| System | | SOMATOM SCOPE CT | | | | | | | | | | | | |
| 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 | | | | | | | | | | |
| GANTRIES | | | | | | | | | | | | | | |
| SOMATOM Scope CT Gantry | 10967088 | 90.87 | 27.24 | 71.30 | 2719 | Floor | UUT1 | 2.40 1.13 | 2.0 2.5 | 1 0 | 1 | 1 ½ | 1½ | |
| PATIENT TABLES | | | | | | | | | | | | | | |
| Patient Handling System (PHS) | 10355389 | 97.38 | 27.56 | 37.25 | 752.5 ^[3] | Floor | UUT-9 | 2.40 1.17 | 2.0 2.6 | 1 0 | 1 | 1 ½ | 1½ | |
| Footswitch for patient table | 10967125 | 29.53 | 19.69 | 2.95 | 26 | Floor | UUT8 | 2.40 1.13 | 2.0 2.5 | 1 0 | 1 | 1 ½ | 1½ | |
| USER INTERFACE | | | | | | | | | | | | | | |
| Image Control System (ICS) Computer ICS Tower 12B Fujitsu Technology Solutions | 10864201 | 7 3/8 | 18 7/8 | 16.9 | 34 | Floor | UUT2 | 1.44 1.13 | 2.0 2.5 | 1 0 | 1 | 2 ½ | 2 ½ | |
| Image Reconstruction System (IRS) Computer IRS Tower 12F Fujitsu Technology Solutions | 10864212 | 7 3/8 | 18 7/8 | 16.9 | 33 | Floor | UUT3 | 1.44 1.13 | 2.0 2.5 | 1 0 | 1 | 2 ½ | 2 ½ | |
| Image Reconstruction System (IRS) G2 | 10928210 | 7 | 27.5 | 21.3 | 50 | Floor | UUT4 | 1.44 1.13 | 2.0 2.5 | 1 0 | 1 | 2 ½ | 2 ½ | |
| Control Box | 10856834 | 7.5 | 7 1/8 | 1.75 | 1.5 | CTA | UUT5 | 1.44 1.13 | 2.0 2.5 | 1 0 | 1 | 2 ½ | 2 ½ | |
| POWER DISTRIBUTION | | | | | | | | | | | | | | |
| Line Connection Box (LCB) | 10165884 | 11.8 | 29.5 | 32 | 248.5 | Floor | UUT-10 | 1.44 1.17 | 2.0 2.6 | 1 0 | 1 | 2 ½ | 2 ½ | |
| 1.5kVA 230V UPS Hendan / Beijing Hengdian Power Supply Equipment Co., Ltd | 10049948 | 3.97 | 21.25 | 17.72 | 57 | Floor | UUT6 | 1.44 1.13 | 2.0 2.5 | 1 0 | 1 | 2 ½ | 2 ½ | |
| Mount | <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>CTA (COUNTERTOP ANCHORED) refers to a condition where the unit is anchored to a counter, desk, or other piece of fixed furniture..</p> <p>COUNTER (COUNTERTOP): refers to a condition where the unit sits atop but is not otherwise anchored to a countertop, desk, or other piece of fixed furniture.</p> | | | | | | | | | | | | | |
| Notes | <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 are manufactured by Siemens Healthcare unless otherwise noted.</p> <p>3. Patient Bed weight includes all listed options but excludes 440 lb. simulated patient load present during testing.</p> | | | | | | | | | | | | | |

| UUT- 1 SOMATOM Scope CT Gantry | |
|---------------------------------------|--|
| MANUFACTURER: | Siemens Healthcare |
| IDENTIFICATION: | Model No.: 10967088 |
| DESCRIPTION: | Component of SOMATOM SCOPE CT System |
| MOUNTING: | Floor mounted using (4) - 1/2" diameter grade 8 hex head bolts to interface frame. |




| PROPERTIES: | | | | | | |
|--------------------|-------|--------|--------------|---------------------------------|-------------|-----------|
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | |
| Width | Depth | Height | | Side-Axis | Front -Axis | Vert-Axis |
| 90.87 | 27.24 | 71.30 | 2719 | 6.8 | 6.0 | 32.8 |

| 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 2013 | ICC-ES AC156 | 2.5 | 0 | 1.5 | 2.50 | 1.00 | 1.68 | 0.68 |
| | | 2.0 | 1 | | 3.20 | 2.40 | 1.34 | 0.54 |

Unit maintained structural integrity and functionality after the ICC-ES AC 156 test

| UUT- 2 Image Control System (ICS) - Computer ICS tower 12B | |
|---|--|
| MANUFACTURER: | Fujitsu Technology Solutions |
| IDENTIFICATION: | Model No.: 10864201 |
| DESCRIPTION: | Component of SOMATOM SCOPE CT System |
| MOUNTING: | Rigid Base (Floor) Mounted using: 1" wide nylon strap w/ metal cinch (100 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit. Each bracket attached w/ 3/8" diameter Allen Head cap screw threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.) |



| PROPERTIES: | | | | | | |
|--------------------|--------|--------|--------------|---------------------------------|-------------------|---------------|
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | |
| Width | Depth | Height | | Transverse-Axis | Longitudinal-Axis | Vertical-Axis |
| 7 3/8 | 18 7/8 | 16.9 | 34 | 20.9 | 43.4 | 44.1 |

| 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 2013 | ICC-ES AC156 | 2.5 | 0 | 1.5 | 2.50 | 1.00 | 1.68 | 0.68 |
| | | 2.0 | 1 | | 3.20 | 2.40 | 1.34 | 0.54 |


Unit maintained structural integrity and functionality after the ICC-ES AC 156 test

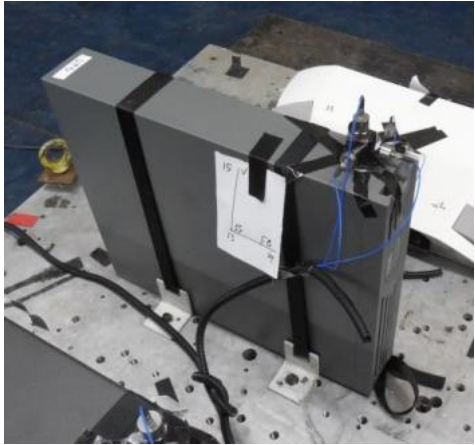
| | | | | | | | | |
|---|---------------|---|--------------|---------------------------------|------------------------|------------------------|------------------------|------------------------|
| UUT- 3 | | IRS Tower 12F | | | | | | |
| <i>MANUFACTURER:</i> | | Fujitsu Technology Solutions | | | | | | |
| <i>IDENTIFICATION:</i> | | Model No.: 10864212 | | | | | | |
| <i>DESCRIPTION:</i> | | Component of SOMATOM SCOPE CT System | | | | | | |
| <i>MOUNTING:</i> | | <p>Rigid Base (Floor) Mounted using: 1" wide nylon strap w/ metal cinch (100 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.</p> <p>Each bracket attached w/ 3/8" diameter Allen Head cap screw threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)</p> | | | | | | |
| <i>PROPERTIES:</i> | | | | | | | | |
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | Transverse-Axis | Longitudinal-Axis | Vertical-Axis | | |
| 7 3/8 | 18 7/8 | 16.9 | | 33 | 34.2 | >50 | >50 | |
| <i>SHAKE TABLE TEST PARAMETERS</i> | | | | | | | | |
| 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 2013 | ICC-ES AC156 | 2.5 2.0 | 0 1 | 1.5 | 2.50 3.20 | 1.00 2.40 | 1.68 1.34 | 0.68 0.54 |
| Unit maintained structural integrity and functionality after the ICC-ES AC 156 test | | | | | | | | |



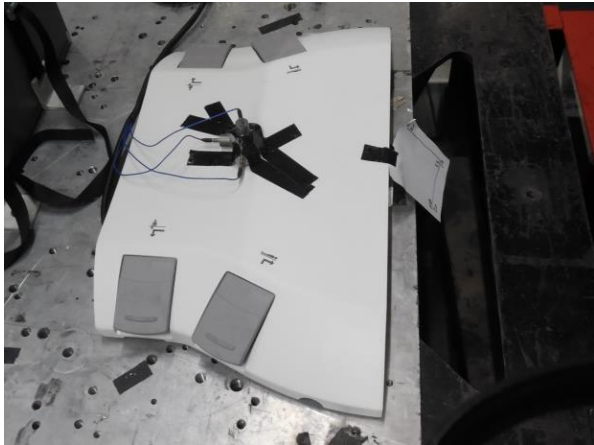
| | | | | | | | | |
|---|---------------|---|--------------|---------------------------------|------------------------|------------------------|------------------------|------------------------|
| UUT- 4 | | Image Reconstruction System (IRS) - G2 | | | | | | |
| <i>MANUFACTURER:</i> | | Siemens Healthcare | | | | | | |
| <i>IDENTIFICATION:</i> | | Model No.: 10928210 | | | | | | |
| <i>DESCRIPTION:</i> | | Component of SOMATOM SCOPE CT System | | | | | | |
| <i>MOUNTING:</i> | | <p>Rigid Base (Floor) Mounted using: 1" wide nylon strap w/ metal cinch (100 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.</p> <p>Each bracket attached w/ 3/8" diameter Allen Head cap screw threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)</p> | | | | | | |
| <i>PROPERTIES:</i> | | | | | | | | |
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | Transverse-Axis | Longitudinal-Axis | Vertical-Axis | | |
| 7 | 27.5 | 21.3 | | 50 | 25.3 | 42.3 | 44.1 | |
| <i>SHAKE TABLE TEST PARAMETERS</i> | | | | | | | | |
| 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 2013 | ICC-ES AC156 | 2.5 2.0 | 0 1 | 1.5 | 2.50 3.20 | 1.00 2.40 | 1.68 1.34 | 0.68 0.54 |
| Unit maintained structural integrity and functionality after the ICC-ES AC 156 test | | | | | | | | |



| | | | | | | | | |
|---|--|---------------------|--------------|---------------------------------|------------------------|------------------------|------------------------|------------------------|
| UUT- 5 Control Box | | | | | | | | |
| MANUFACTURER: | Siemens Healthcare | | | | | | | |
| IDENTIFICATION: | Model No.: 10856834 | | | | | | | |
| DESCRIPTION: | Component of SOMATOM SCOPE CT System | | | | | | | |
| MOUNTING: | Countertop anchored mounted using (2) – 1” by 2” Velcro strips | | | | | | | |
|  | | | | | | | | |
| PROPERTIES: | | | | | | | | |
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | Front-Axis | Side-Axis | Vert-Axis | | |
| 7 1/2 | 7 1/8 | 1 3/4 | 1.5 | >50 | >50 | >50 | | |
| 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 2013 | ICC-ES AC156 | 2.5 2.0 | 0 1 | 1.5 | 2.50 3.20 | 1.00 2.40 | 1.68 1.34 | 0.68 0.54 |
| Unit maintained structural integrity and functionality after the ICC-ES AC 156 test | | | | | | | | |

| | | | | | | | | |
|---|--|---------------------|--------------|---------------------------------|------------------------|------------------------|------------------------|------------------------|
| UUT- 6 1.5kVA 230V UPS | | | | | | | | |
| MANUFACTURER: | Hendan / Beijing Hengdian Power Supply Equipment Co., Ltd | | | | | | | |
| IDENTIFICATION: | Model No.: 10049948 | | | | | | | |
| DESCRIPTION: | Component of SOMATOM SCOPE CT System | | | | | | | |
| MOUNTING: | Rigid Base (Floor) Mounted using: 1” wide nylon strap w/ metal cinch (100 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0’-2½” brackets positioned snug against unit. Each bracket attached w/ 3/8” diameter Allen Head cap screw threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.) | | | | | | | |
|  | | | | | | | | |
| PROPERTIES: | | | | | | | | |
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | | |
| Width | Depth | Height | | Transverse-Axis | Longitudinal-Axis | Vertical-Axis | | |
| 3.97 | 21.25 | 17.72 | 57 | 17.0 | >50 | >50 | | |
| 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 2013 | ICC-ES AC156 | 2.5 2.0 | 0 1 | 1.5 | 2.50 3.20 | 1.00 2.40 | 1.68 1.34 | 0.68 0.54 |
| Unit maintained structural integrity and functionality after the ICC-ES AC 156 test | | | | | | | | |

| UUT- 8 Footswitch for patient table | |
|---|--|
| MANUFACTURER: | Siemens Healthcare |
| IDENTIFICATION: | Model No.: 10967125 |
| DESCRIPTION: | Component of SOMATOM SCOPE CT System |
| MOUNTING: | Floor mounted using (4) – 3/8" dia grade 8 Allen head cap screws with washers. |

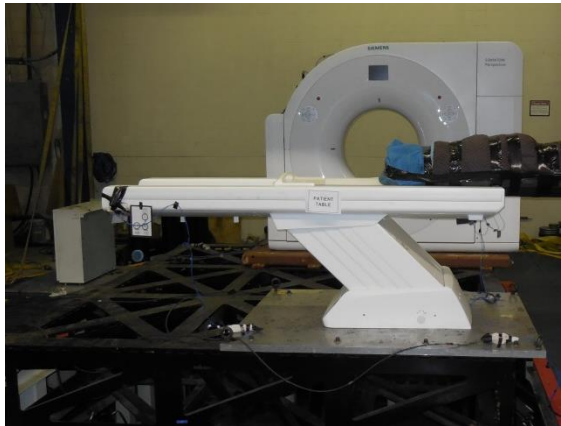


| PROPERTIES: | | | | | | |
|--------------------|-------|--------|--------------|---------------------------------|-------------------|---------------|
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | |
| Width | Depth | Height | | Transverse-Axis | Longitudinal-Axis | Vertical-Axis |
| 29.53 | 19.69 | 2.95 | 26 | >50 | 34.8 | 13.3 |

| 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 2013 | ICC-ES AC156 | 2.5 | 0 | 1.5 | 2.50 | 1.00 | 1.68 | 0.68 |
| | | 2.0 | 1 | | 3.20 | 2.40 | 1.34 | 0.54 |

Unit maintained structural integrity and functionality after the ICC-ES AC 156 test


| UUT- 9 PATIENT TABLE | |
|----------------------------------|--|
| MANUFACTURER: | Siemens Healthcare |
| IDENTIFICATION: | Model No.: 10355389 |
| DESCRIPTION: | Component of SOMATOM SCOPE CT System |
| MOUNTING: | Floor Mounted using (4) – ½" dia. Gr. 8 bolts to aluminum interface plate. |



| PROPERTIES: | | | | | | |
|--------------------|---------|--------|--------------------------|---------------------------------|-------------------|---------------|
| DIMENSIONS (in.) | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | |
| Width | Depth | Height | | Transverse-Axis | Longitudinal-Axis | Vertical-Axis |
| 97 3/8 | 27 9/16 | 37 ¼ | 752.5 + 440 Patient Load | 3.1 | 5.3 | 4.8 |

| 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 2013 | ICC-ES AC156 | 2.6 | 0 | 1.5 | 2.60 | 1.00 | 1.74 | 0.70 |
| | | 2.0 | 1 | | 3.20 | 2.40 | 1.34 | 0.54 |

Unit maintained structural integrity and functionality after the ICC-ES AC 156 test

| UUT- 10 | | LINE CONTROL BOX (LCB) | | | | | | |
|---|---------------|--|-----------------|----------------|---------------------------------|------------------------|------------------------|------------------------|
| <i>MANUFACTURER:</i> | | Siemens Healthcare | | | | | | |
| <i>IDENTIFICATION:</i> | | Model No.: 10165884 | | | | | | |
| <i>DESCRIPTION:</i> | | Component of SOMATOM SCOPE CT System | | | | | | |
| <i>MOUNTING:</i> | | Floor mounted using (4) – 3/8" dia GR 8 Allen head cap bolts through holes tapped in aluminum interface plate. | | | | | | |
|  | | | | | | | | |
| <i>PROPERTIES:</i> | | | | | | | | |
| DIMENSIONS (in.) | | | | Weight (lb.) | LOWEST RESONANT FREQUENCY (Hz.) | | | |
| Width | Depth | Height | Transverse-Axis | | Longitudinal-Axis | Vertical-Axis | | |
| 11.75 | 29.375 | 31.5 | 248.5 | 13.9 | 25.3 | >50 | | |
| <i>SHAKE TABLE TEST PARAMETERS</i> | | | | | | | | |
| 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 2013 | ICC-ES AC156 | 2.6 2.0 | 0 1 | 1.5 | 2.60 3.20 | 1.00 2.40 | 1.74 1.34 | 0.70 0.54 |
| Unit maintained structural integrity and functionality after the ICC-ES AC 156 test | | | | | | | | |