



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

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

OFFICE USE ONLY

**APPLICATION #: OSP-0654**

**HCAI Special Seismic Certification Preapproval (OSP)**

Type:  New  Renewal

**Manufacturer Information**

Manufacturer: Shanghai United Imaging Healthcare Co., Ltd.

Manufacturer's Technical Representative: Xin GAO

Mailing Address: 2258 Chengbei Road, Jiading District, Shanghai, 201807

Telephone: \_\_\_\_\_ Email: xin.gao@united-imaging.com

**Product Information**

Product Name: CT Systems

Product Type: NA

Product Model Number: uCT 520/528, 530/550, 760/780 CT systems and uMI 550 and 780 CT/PET systems Product Lines

General Description: Multiple component systems used for producing Computed Tomography (CT) medical images for diagnostic results

Mounting Description: Rigid, Floor Mounted

Tested Seismic Enhancements: None

**Applicant Information**

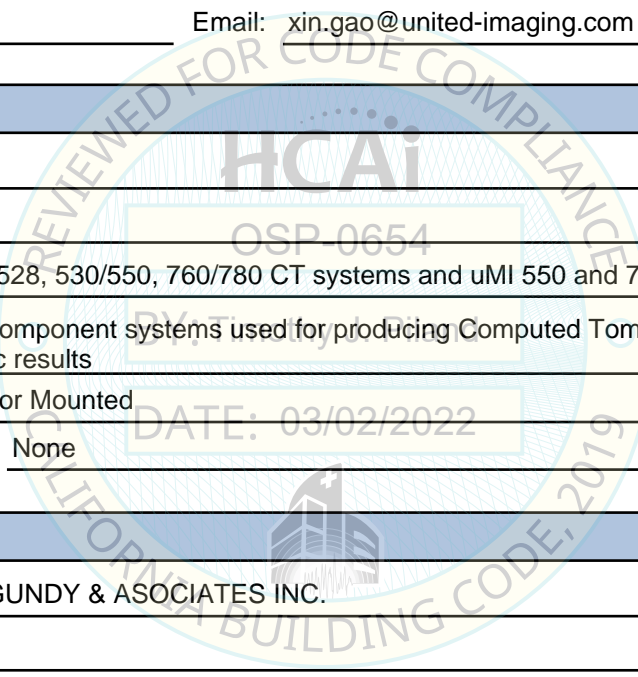
Applicant Company Name: W.E. GUNDY & ASSOCIATES INC.

Contact Person: Travis Soppe

Mailing Address: P.O. Box 9121, Boise, ID 83707

Telephone: (208) 342-5989 Email: tsoppe@wegai.com

Title: President





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

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

Company Name: W.E. GUNDY & ASSOCIATES INC.  
Name: Travis Soppe California License Number: S6115  
Mailing Address: P.O. Box 9121, Boise, ID 83707  
Telephone: (208) 342-5989 Email: tsoppe@wegai.com

**Certification Method**

GR-63-Core     ICC-ES AC156     IEEE 344     IEEE 693     NEBS 3  
 Other (Please Specify): \_\_\_\_\_

**Testing Laboratory**

Company Name: SUZHOU ELECTRICAL APPARATUS SCIENCE RESEARCH INSTITUTE CO., LTD. (EETI)  
Contact Person: Tangfu Ji  
Mailing Address: No. 5, Yuexi Qianzhu Road, Wuzhong District, Suzhou, 215104 Jiangsu, CHINA  
Telephone: 86 (512) 69552195 Email: eeti-kz@eeti.cn





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) = See attachment

SDS (Design spectral response acceleration at short period, g) = 2.00 (z/h = 1.0), 2.50 (z/h = 0.0)

$a_p$  (Amplification factor) = See attachment

$R_p$  (Response modification factor) = See attachment

$\Omega_0$  (System overstrength factor) = See Attachment

$I_p$  (Importance factor) = 1.5

z/h (Height ratio factor) = 1 and 0

Natural frequencies (Hz) = See attachment

Overall dimensions and weight = See attachment

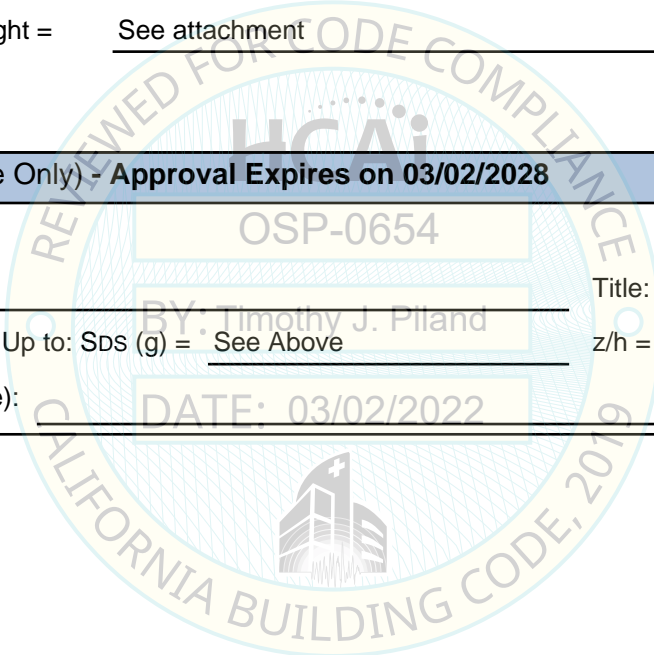
**HCAI Approval (For Office Use Only) - Approval Expires on 03/02/2028**

Date: 3/2/2022

Name: Timothy Piland Title: Senior Structural Engineer

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable): DATE: 03/02/2022



<b>TABLE 1</b>	<b>UNITED IMAGING HEALTHCARE SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS</b>	 <b>WEGAI</b> <small>W.E. GUNDY &amp; ASSOCIATES, INC. STRUCTURAL &amp; EARTHQUAKE ENGINEERING</small>
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**Manufacturer:** United Imaging Healthcare

**System:** uCT and uMI Systems

System Component <sup>1</sup>	United Imaging Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT
		Width	Depth	Height			
<b>CT Gantries</b>							
uMI 550 CT	78001564	34.0	82.0	78.0	3968	floor	extrapolated
uCT 520 CT	78002492	27.3	79.8	71.9	4300	floor	extrapolated
uCT 528 CT	78002493	27.3	79.8	71.9	4300	floor	extrapolated
uCT 530/550 CT	78001496	34.6	91.7	77.8	4300	floor	extrapolated
uMI 780 CT	78000145	34.0	82.0	78.0	4718	floor	UUT-1A
uCT 760/780 CT	78001101	31.5	91.7	77.8	5157	floor	UUT-2
<b>PET Gantries</b>							
uMI 550 PET	78006264	28.1	75.2	77.0	1742	floor	UUT-3
uMI 780 PET	80512214	28.1	75.2	77.0	2006	floor	UUT-1B
<b>Patient Supports</b>							
uCT - PS1	78002163	17.7	113.8-189.8	23.6-37.4	794 <sup>2</sup>	floor	UUT-4
uCT - PS2	80100042	23.6	119.9-205.8	18.9-37.4	1060 <sup>2</sup>	floor	UUT-5
uMI - PS1	80150010	23.7	136.9-221.9	21.7-37.2	1698 <sup>2</sup>	floor	UUT-6
<b>Power Supply Cabinets</b>							
uCT - PSC1	78001298	27.6	24.5	55.1	992	floor	UUT-7
uCT - PSC2	60000833	31.5	28.5	63.0	1918	floor	interpolated
uMI - PSC1	78001474	27.6	24.5	55.1	1036	floor	interpolated
uMI - PSC2	60000834	31.5	28.5	63.0	1940	floor	UUT-8

<sup>1</sup> All components are manufactured by United Imaging Healthcare unless noted. Part numbers listed uniquely identify type of component, manufacturer, and material of construction for each sub-component within the tested units.

<sup>2</sup> Patient table weight does not include 362lb (164kg) simulated patient weight.

<b>SEISMIC CERTIFICATION LIMITS</b>								
System Component	Code	S <sub>DS</sub> (g)	z / h	I <sub>P</sub>	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>	F <sub>P</sub> / W <sub>P</sub>
CT/PET Gantries	CBC 2019	2.0	1.0	1.50	1.0	1.5	1.5	2.40
		2.5	0					1.13
Patient Supports	CBC 2019	2.0	1.0	1.50	1.0	1.5	1.5	2.40
		2.5	0					1.13
Power Supply Cabinets	CBC 2019	2.0	1.0	1.50	2.5	6.0	2.0	1.50
		2.5	0					1.13

<b>TABLE 1</b>	<b>UNITED IMAGING HEALTHCARE SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS</b>				 <b>WEGAI</b> <small>W.E. GUNDY &amp; ASSOCIATES, INC. STRUCTURAL &amp; EARTHQUAKE ENGINEERING</small>		
	<b>Manufacturer:</b> United Imaging Healthcare						

**System:** uCT and uMI Systems

System Component <sup>1</sup>	United Imaging Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT
		Width	Depth	Height			
<b>Imaging Systems (PCs)</b>							
uCT - PC1	60003853	7.0	20.5	17.2	44	floor	UUT-9 <sub>z</sub>
uMI - PC1	60001369	7.0	20.5	17.2	44	floor	interpolated
uMI - PC2	60002731	7.0	25.5	17.8	56	floor	interpolated
uMI - PC3	60002732	7.0	25.5	17.8	56	floor	interpolated
uCT / uMI - PC2	60004342	7.0	19.0	18.6	37	floor	UUT-10 <sub>x</sub>
uCT / uMI - PC3	80504016	7.0	25.5	17.8	56	floor	UUT-11 <sub>y</sub>

<sup>1</sup> All components are manufactured by United Imaging Healthcare unless noted. Part numbers listed uniquely identify type of component, manufacturer, and material of construction for each sub-component within the tested units.

<sup>2</sup> Patient table weight does not include 362lb simulated patient weight.

<sup>3</sup> PCs are installed in any of three cabinets supplied by United Imaging Healthcare  
<sub>x</sub> - 18022538, <sub>y</sub> - 18022536, <sub>z</sub> - 18022537  
 Timothy J. Piland

**SEISMIC CERTIFICATION LIMITS**

System Component	Code	S <sub>DS</sub> (g)	z / h	I <sub>P</sub>	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>	F <sub>P</sub> / W <sub>P</sub>
Imaging Systems (PCs)	CBC 2019	2.0	1.0	1.50	1.0	2.5	2.0	1.44
		2.5	0					1.13

**UNITED IMAGING HEALTHCARE  
SPECIAL SEISMIC CERTIFICATION  
CERTIFIED SUBCOMPONENTS**



**Manufacturer:** United Imaging Healthcare

**System:** uCT and uMI Systems

Subcomponent	United Imaging Part Number	Dimensions (in)			Weight (lb)	UUT
		Width	Length	Height		
<b>CT - Collimator</b>						
Collimator1	18008816	10.7	18.5	8.4	60.8	extrapolated
Collimator3	80100251	13.8	16.9	5.9	89.3	UUT-1A, -2, -3
Collimator2	18004936	13.0	20	6.1	100.2	UUT-1B
<b>CT - X-Ray Tube Assembly</b>						
Tube1	35000221 (20717)	7.5	18.9	8.1	69.4	extrapolated
Tube2	35000223 (30717)	7.5	19.6	8.1	73.0	extrapolated
Tube4	80100379 (7171)	12.2	11.8	12.2	139.3	UUT-2
Tube3	80100010 (2150)	12.5	18.0	12.5	213.0	UUT-1B
<b>CT - High Voltage Generator</b>						
HV1	35000222 (5201)	17.7	24.1	7.1	103.0	extrapolated
HV2	80100013 (4429)	20.0	21.5	7.9	108.0	UUT-1B
HV3	35000036 (4889)	17.1	17.7	11.6	148.0	UUT-1A, -2, -3
<b>CT - Detector</b>						
Detector1	78001481	13.8	39.8	11.2	110.2	UUT-1B
Detector2	80510925	17.3	46.1	11.6	187.4	UUT-2
<b>CT - Slipring System</b>						
Slipring1	80100018	54.1	54.1	3.3	79.4	UUT-1B
Slipring2	80100221	54.0	54.0	3.3	83.8	UUT-2
<b>CT - Cooling System</b>						
Fan	18000882	8.9	8.9	4.0	3.8	UUT-1A/B,-2,-3



UUT-1A

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Rigid floor mounted with (8) M16 grade 12.9 bolts



<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uMI 780 CT Gantry	<b>Test Date:</b> November 2019
<b>Model Number:</b> 78000145	<b>Report Number:</b> 1340-01
<b>UUT Function:</b> Continuous rotating x-ray to generate diagnostic imaging	
<b>UUT Description:</b> Component of the uMI 780 CT/PET system	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
4,718	34.0	82.0	78.0	10.5	13.5	31.0

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

**UUT-1B**

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Rigid floor mounted with (8) M12 grade 12.9 bolts



<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uMI 780 PET Gantry	<b>Test Date:</b> November 2019
<b>Model Number:</b> 80512214	<b>Report Number:</b> 1340-01
<b>UUT Function:</b> Use of small amounts of radioactive material to generate diagnostic imaging	
<b>UUT Description:</b> Component of the uMI 780 CT/PET system	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
2,006	28.1	75.2	77.0	12.5	13.5	>33.0

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.



**UUT-2**

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Rigid floor mounted with (4) M16 grade 12.9 bolts



<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uCT 760/780 CT Gantry	<b>Test Date:</b> November 2019
<b>Model Number:</b> 78001101	<b>Report Number:</b> 1340-01
<b>UUT Function:</b> Continuous rotating x-ray to generate diagnostic imaging	
<b>UUT Description:</b> Component of the uCT 760/780 CT system	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
5,157	31.5	91.7	77.8	9.5	6.0	23.5

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	SDS (g)	z / h	Ip	AFLX-H (g)	ARIG-H (g)	AFLX-V (g)	ARIG-V (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

**UUT-3**

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Rigid floor mounted with (8) M12 grade 12.9 bolts



<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uMI 550 PET Gantry	<b>Test Date:</b> November 2019
<b>Model Number:</b> 78006264	<b>Report Number:</b> 1340-01
<b>UUT Function:</b> Use of small amounts of radioactive material to generate diagnostic imaging	
<b>UUT Description:</b> Component of the uMI 5500 PET system	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,742	28.1	75.2	77.0	13.5	29.5	>33.0

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

**UUT-4**

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Rigid floor mounted with (4) M12 grade 12.9 bolts



BY: Timothy J. Piland

DATE: 03/02/2022

<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uCT – PS1	<b>Test Date:</b> November 2019
<b>Model Number:</b> 78002163	<b>Report Number:</b> 1340-01
<b>UUT Function:</b> Motorized patient support	
<b>UUT Description:</b> Component of the uCT CT systems	

**UUT PROPERTIES**

Weight (lb) with Patient	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,156	17.7	113.8-189.8	23.6-37.4	>33.0	3.0	4.0

The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was tested in the normal operating position, with the table top extended 41.7 inches, at the maximum height, and a total simulated patient weight of 362lbs.

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

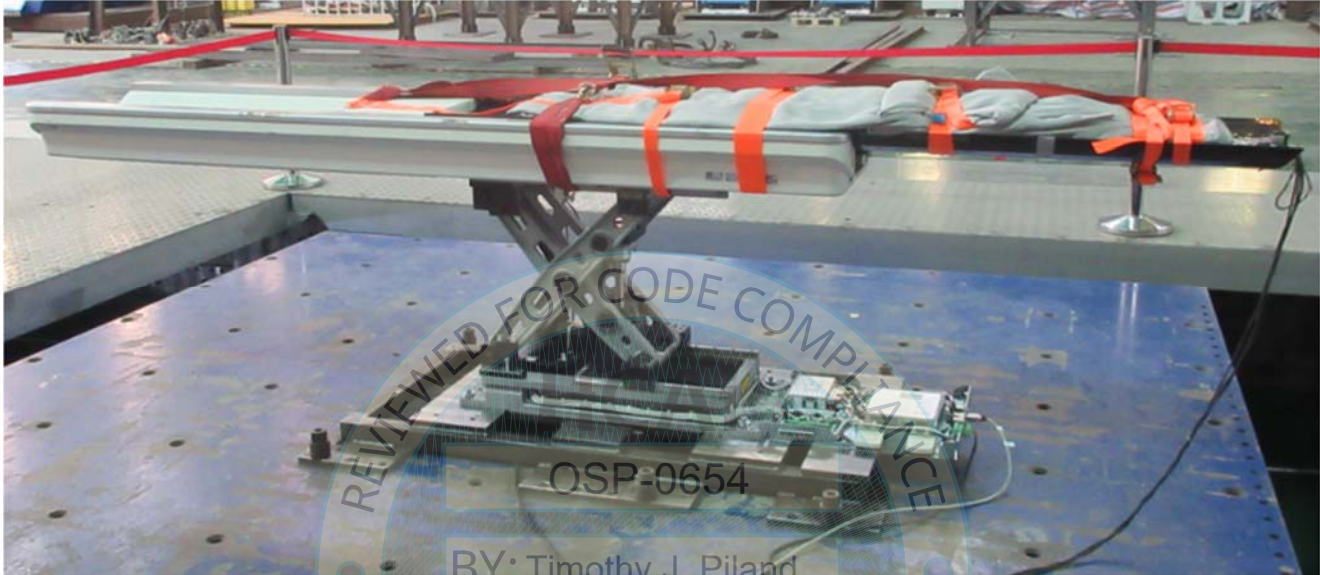


**UUT-5**

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Rigid floor mounted with (4) M12 grade 12.9 bolts



<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uCT – PS2	<b>Test Date:</b> August 2019
<b>Model Number:</b> 80100042	<b>Report Number:</b> 1340-01
<b>UUT Function:</b> Motorized patient support	
<b>UUT Description:</b> Component of the uCT CT systems	

**UUT PROPERTIES**

Weight (lb) with Patient	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,422	23.6	119.9-205.8	18.9-37.4	8.0	9.0	8.5

The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was tested in the normal operating position, with the table top extended 41.7 inches, at the maximum height, and a total simulated patient weight of 362lbs.

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

**UUT-6**

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Rigid floor mounted with (6) M12 grade 12.9 bolts



BY: Timothy J. Piland

DATE: 03/02/2022

<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uMI – PS1	<b>Test Date:</b> November 2019
<b>Model Number:</b> 80150010	<b>Report Number:</b> 1340-01
<b>UUT Function:</b> Motorized patient support	
<b>UUT Description:</b> Component of the uMI CT systems	

**UUT PROPERTIES**

Weight (lb) with Patient	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
2,060	23.7	136.9-221.9	21.7-37.2	>33.0	5.5	6.0

The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was tested in the normal operating position, with the table top extended 41.7 inches, at the maximum height, and a total simulated patient weight of 362lbs.

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

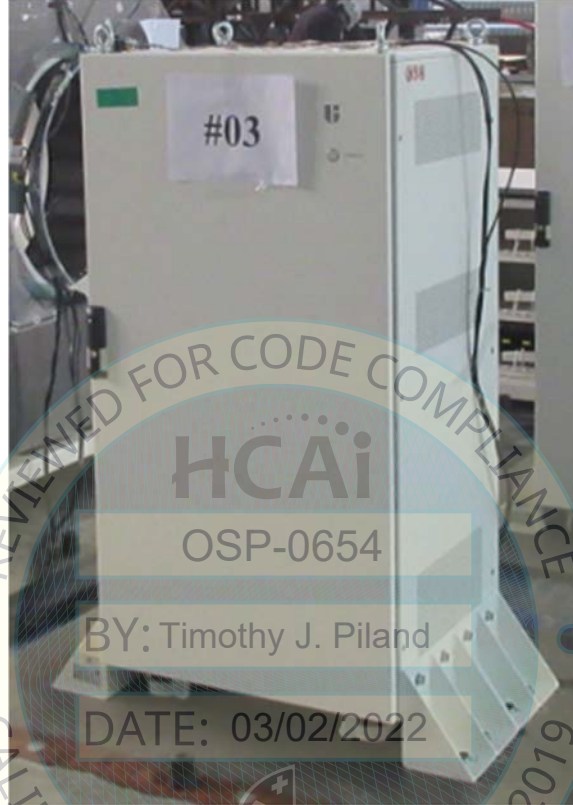


**UUT-7**

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Rigid floor mounted with (8) M12 grade 12.9 bolts thru United Imaging seismic anchorage brackets (78005842).



<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uCT – PSC1	<b>Test Date:</b> November 2019
<b>Model Number:</b> 78001298	<b>Report Number:</b> 1340-01
<b>UUT Function:</b> Power Supply Cabinet	
<b>UUT Description:</b> Component of the uCT CT systems	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
992	27.6	24.5	55.1	18.5	17.0	>33.0

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	SDS (g)	z / h	Ip	AFLX-H (g)	ARIG-H (g)	AFLX-V (g)	ARIG-V (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

**UUT-8**

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Rigid floor mounted with (8) M12 grade 12.9 bolts thru United Imaging seismic anchorage brackets (78005842).



**Manufacturer:** United Imaging Healthcare      **Test Location:** EETI (Suzhou, CHINA)

**Component:** uMI – PSC2      **Test Date:** November 2019

**Model Number:** 60000834      **Report Number:** 1340-01

**UUT Function:** Power Supply Cabinet

**UUT Description:** Component of the uMI CT systems

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,940	28.5	31.5	63.0	>33.0	8.5	>33.0

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	SDS (g)	z / h	Ip	AFLX-H (g)	ARIG-H (g)	AFLX-V (g)	ARIG-V (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT-9z

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Cabinet is Rigid floor mounted with (4) M12 grade 12.9 bolts thru United Imaging seismic anchorage brackets (18042254). Internal PC mounts to the cabinet with United Imaging seismic restraint brackets (18042256).



<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uCT – PC1	<b>Test Date:</b> November 2019
<b>Model Number:</b> 60003853	<b>Report Number:</b> 1340-01
<b>UUT Function:</b> Imaging System PC	
<b>UUT Description:</b> Component of the uCT CT systems. UUT-9 was tested installed in United Imaging PC Cabinet, Part Number: 18022537	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
44	7.0	20.5	17.2	>33.0	19.0	22.5

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>ds</sub> (g)	z / h	I <sub>p</sub>	AFLX-H (g)	ARIG-H (g)	AFLX-V (g)	ARIG-V (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

**UUT-10<sub>x</sub>**

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Cabinet is Rigid floor mounted with (4) M12 grade 12.9 bolts thru United Imaging seismic anchorage brackets (18042255). Internal PC mounts to the cabinet with United Imaging seismic restraint brackets (18042256).



<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uCT / uMI – PC2	<b>Test Date:</b> November 2019
<b>Model Number:</b> 60004342	<b>Report Number:</b> 1340-01
<b>UUT Function:</b> Imaging System PC	
<b>UUT Description:</b> Component of the uCT and uMI CT systems. UUT-10 was tested installed in United Imaging PC Cabinet, Part Number: 18022538	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
37	7.0	19.0	18.6	>33.0	12.0	>33.0

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.



UUT-11y

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Cabinet is Rigid floor mounted with (4) M12 grade 12.9 bolts thru United Imaging seismic anchorage brackets (18042254). Internal PC mounts to the cabinet with United Imaging seismic restraint brackets (18042256).



<b>Manufacturer:</b> United Imaging Healthcare	<b>Test Location:</b> EETI (Suzhou, CHINA)
<b>Component:</b> uCT / uMI – PC3	<b>Test Date:</b> November 2019
<b>Model Number:</b> 80504016	<b>Report Number:</b> 1340-01

**UUT Function:** Imaging System PC

**UUT Description:** Component of the uCT and uMI CT systems. UUT-11 was tested installed in United Imaging PC Cabinet, Part Number: 18022536

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
56	7.0	25.5	17.8	13.0	9.5	17.0

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0	1.5	-	-	1.67	0.67

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.