



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

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

OFFICE USE ONLY

APPLICATION #: OSP-0795

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 Rd., Jiading District, Shanghai, 201807

Telephone: +86 (21) 67076888

Email: xin.gao@united-imaging.com

Product Information

Product Name: CT Systems

Product Type: NA

Product Model Number: uMI Panorama PET-CT Systems

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

Mounting Description: Rigid, Floor Mounted

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: WE Gundy & Associates, Inc

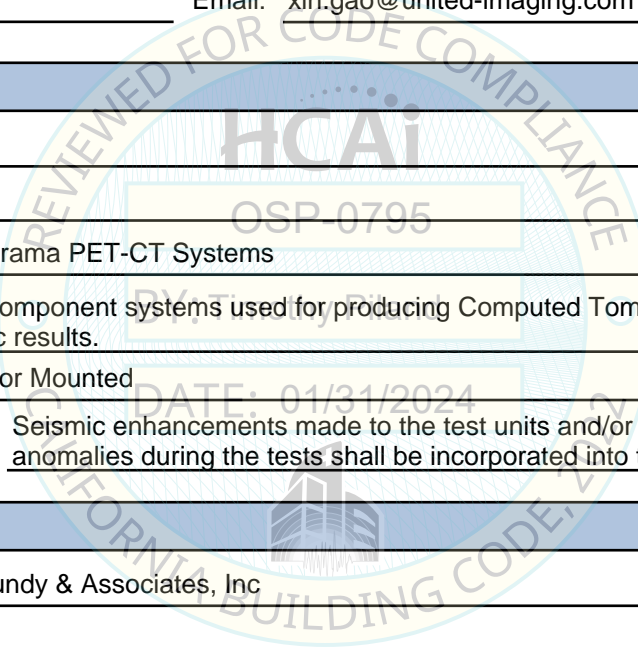
Contact Person: Travis Soppe

Mailing Address: PO Box 9121, Boise, ID 83707

Telephone: (208) 342-5989

Email: tsoppe@wegai.com

Title: President





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FACILITIES DEVELOPMENT DIVISION**

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

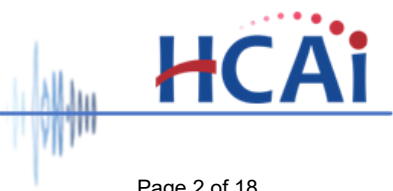
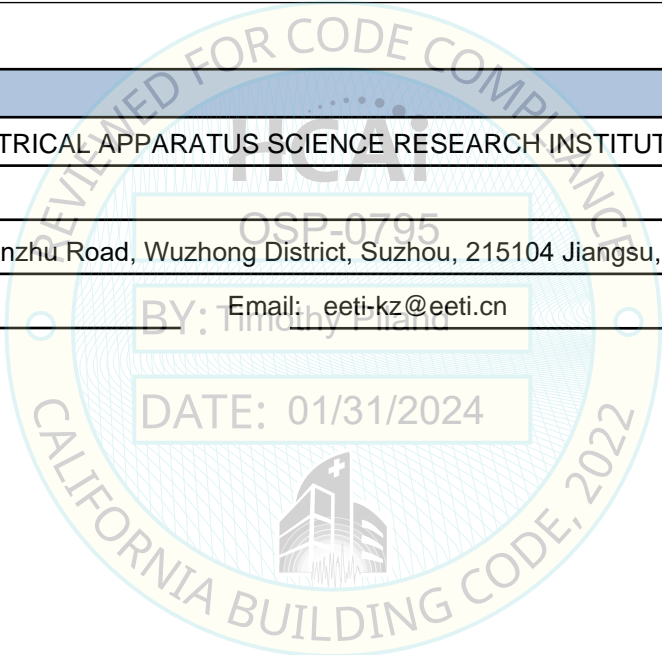
Company Name: W.E. GUNDY & ASSOCIATES INC.
Name: Travis Soppe California License Number: S6115
Mailing Address: P.O. Box 9121, Boise, ID 83707
Telephone: (208) 342-5989 Email: tsoppe@wegai.com

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





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Seismic Parameters

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

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

a_p (Amplification factor) = See attachments

R_p (Response modification factor) = See attachments

Ω_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 01/31/2030

Date: 1/31/2024

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: 01/31/2024

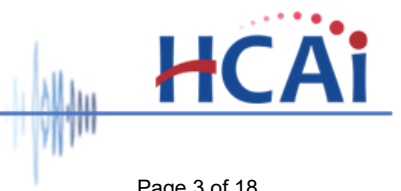
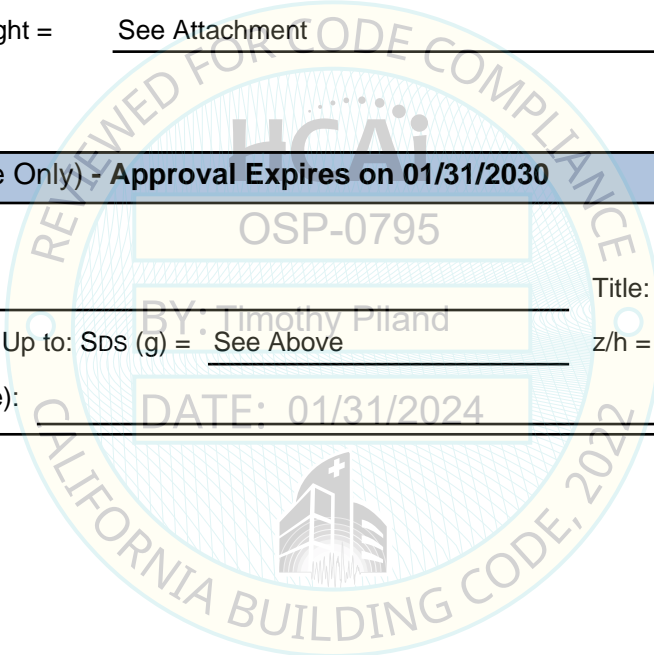


Table 1	UNITED IMAGING HEALTHCARE Co., Ltd					 WEGAI <small>W.E. GUNDY & ASSOCIATES, INC.</small> <small>STRUCTURAL & EARTHQUAKE ENGINEERING</small>			
	SPECIAL SEISMIC CERTIFICATION								
CERTIFIED SYSTEM AND COMPONENTS									

System: uMI Panorama PET-CT Systems				Manufacturer: United Imaging Healthcare Co., Ltd			
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System Component ¹	United Imaging Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT ³
		Width	Length	Height			

CT Gantries							
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uMI 780 CT	78000145	82.0	34.0	78.0	4718	floor	UUT _y -1A
U80P Panorama CT	78006465	88.0	34.9	80.1	4731	floor	UUT _x -1A

PET Gantries							
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uMI Panorama 28 PET	78011742	74.8	20.9	68.1	1777	floor	extrapolated
uMI Panorama 35 PET	78011741	74.8	20.9	68.1	2024	floor	UUT _x -1B
uMI 780 PET	80512214	75.2	28.1	77.0	2006	floor	UUT _y -1B

Patient Table²							
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uCT - PS4	78008392	22.1	119.5-183.8	18.9-37.4	2095	floor	UUT _z -10
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Power Supply Cabinet							
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PSC - Panorama	78004467	27.6	29.5	59.1	1473	floor	UUT _x -2
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Cooling Systems							
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HRS150-W-20-AKS-X031 Water Cooled Chiller	78007035	27.0	28.1	48.6	420	floor	UUT _x -3
HRS150-A-20-AKS-X031 Air Cooled Chiller	78007036	37.6	28.1	55.9	485	floor	UUT _x -4

Notes:

¹ All components are manufactured by United Imaging Healthcare Co., Ltd unless noted in (). The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.

² Patient table weight does not include 565lb simulated patient weight.

³ The units were tested at different times and the subscripts on the UUT's reference the following lab test reports:
x - 1340-07 - June 2023 / y - 1340-01 - Nov 2019 / z - 1340-05 - Sept 2022

⁴ PCs are installed in any of three cabinets (see model numbers below) supplied by United Imaging Healthcare.
18022536 / 10822537 / 18022538

⁵ Image Reconstruction PCs are installed in the Reconstruction Server Cabinet (18023946) supplied by United Imaging Healthcare.

SEISMIC CERTIFICATION LIMITS								
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System Component	Code	S _{DS} (g)	z / h	I _p	a _p	R _p	Ω ₀	F _p / W _p
CT Gantries	CBC 2022	2.0	1.0	1.50	1.0	1.5	1.5	2.40
		2.5	0					1.13
Patient Table	CBC 2022	2.0	1.0	1.50	1.0	1.5	1.5	2.40
		2.5	0					1.13
Power Supply Cabinets	CBC 2022	2.0	1.0	1.50	2.5	6.0	2.0	1.50
		2.5	0					1.13
Cooling Systems	CBC 2022	2.0	1.0	1.50	2.5	6.0	2.0	1.50
		2.5	0					1.13

Table 1	UNITED IMAGING HEALTHCARE Co., Ltd					 WEGAI <small>W.E. GUNDY & ASSOCIATES, INC.</small> <small>STRUCTURAL & EARTHQUAKE ENGINEERING</small>	
	SPECIAL SEISMIC CERTIFICATION						
CERTIFIED SYSTEM AND COMPONENTS							

System: uMI Panorama PET-CT Systems			Manufacturer: United Imaging Healthcare Co., Ltd				
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System Component ¹	United Imaging Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT ³
		Width	Length	Height			
PC / User Interface⁴							
PC2 - uCT / uMI	60004342	19.0	18.6	7.0	37	floor	UUT _y -10
PC1 - ATLAS	60009576	17.2	20.5	7.0	44	floor	interpolated
CONSOLE PC - Panorama	60009575	16.9	18.6	7.0	44	floor	interpolated
CONSOLE PC2 - Panorama	60021007	16.9	18.6	7.0	44	floor	interpolated
PC1 - uCT	60003853	20.5	17.2	7.0	44	floor	UUT _y -9
Image Reconstuction PC⁵							
CT RECON PC - Panorama	60008085	17.2	20.5	7.0	46	floor	UUT _x -5
PET RECON PC - Panorama	60006946	17.2	31.0	3.5	46	floor	interpolated
PET RECON PC - Panorama	60006945	17.2	31.0	3.5	48	floor	interpolated
PET RECON PC - Panorama	60017106	17.2	31.0	3.5	54	floor	UUT _x -6
CT Rio Plus RECON PC	60009013	17.2	29.0	7.0	91	floor	UUT _x -7

Notes:

¹ All components are manufactured by United Imaging Healthcare Co., Ltd unless noted in (). The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.

² Patient table weight does not include 565lb simulated patient weight.

³ The units were tested at different times and the subscripts on the UUT's reference the following lab test reports:
x - 1340-07 - June 2023 / y - 1340-01 - Nov 2019 / z - 1340-05 - Sept 2022

⁴ PCs are installed in any of three cabinets (see model numbers below) supplied by United Imaging Healthcare.
18022536 / 10822537 / 18022538

⁵ Image Reconstruction PCs are installed in the RSC cabinet (18023946) supplied by United Imaging Healthcare.

SEISMIC CERTIFICATION LIMITS								
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System Component	Code	S _{DS} (g)	z / h	I _p	a _p	R _p	Ω ₀	F _p / W _p
PC / User Interface	CBC 2022	2.0	1.0	1.50	2.5	6.0	2.0	1.50
		2.5	0					1.13
Image Reconstuction PC	CBC 2022	2.0	1.0	1.50	2.5	6.0	2.0	1.50
		2.5	0					1.13

UUT_y-1A

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



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



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

Component: uMI 780 CT Gantry **Test Date:** November 2019

Model Number: 78000145 **Report Number:** 1340-01-R1

UUT Function: Continuous rotating x-ray to generate diagnostic imaging

UUT Description: 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	82.0	34.0	78.0	10.5	13.5	31.0

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_y-1B

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



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



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

Component: uMI 780 PET Gantry **Test Date:** November 2019

Model Number: 80512214 **Report Number:** 1340-01-R1

UUT Function: Use of small amounts of radioactive material to generate diagnostic imaging

UUT Description: 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	75.2	28.1	77.0	12.5	13.5	>33.0

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_x-1A

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



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



Manufacturer: United Imaging Healthcare	Test Location: EETI (Suzhou, CHINA)
Component: U80P Panorama CT	Test Date: June 2023
Model Number: 78006465	Report Number: 1340-07
UUT Function: Continuous rotating x-ray to generate diagnostic imaging	
UUT Description: Component of the uMI Panorama PET-CT systems	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
4,731	88.0	34.9	80.1	10.3	10.3	8.3

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_x-1B

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



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



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

Component: uMI Panorama 35 PET **Test Date:** June 2023

Model Number: 78011741 **Report Number:** 1340-07

UUT Function: Use of small amounts of radioactive material to generate diagnostic imaging

UUT Description: Component of the uMI Panorama PET-CT systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
2,024	74.8	20.9	68.1	19.0	9.8	9.8

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_z-10

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



Mounting Details: Rigid floor mounted with (12) M12 grade 8.8 bolts



Manufacturer: United Imaging Healthcare	Test Location: EETI (Suzhou, CHINA)
Component: uCT PS4	Test Date: September 2022
Model Number: 78008392	Report Number: 1340-05
UUT Function: Motorized patient support	
UUT Description: Patient support for the uMI Panorama PET-CT systems	

UUT PROPERTIES

Weight (lb) with Patient	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
2,660	22.1	169.3	37.4	10.0	> 33.3	14.5

The patient table moves vertically / horizontally to accommodate different positions and procedures. The system was tested in the normal operating position, with the table extended 49.8", at the maximum height, and a total simulated patient weight of 565lbs.

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_x-2

**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: PSC - Panorama **Test Date:** June 2023

Model Number: 78004467 **Report Number:** 1340-07

UUT Function: Power Supply Cabinet

UUT Description: Component of the uMI Panorama PET-CT systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1473	27.6	29.5	59.1	12.2	18.1	>33.0

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_{x-3}

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



Mounting Details: Rigid floor mounted with (8) M12 grade 12.9 bolts thru (2) 12mm thick United Imaging angle brackets mounted to the cabinet with (3) M12 screws per bracket



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

Component: HRSH150-W-20-AKS-X031 **Test Date:** June 2023

Model Number: 78007035 **Report Number:** 1340-07

UUT Function: Water Cooled Chiller

UUT Description: Component of the uMI Panorama PET-CT systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
420	27.0	28.1	48.6	10.3	27.3	11.2

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_x-4

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



Mounting Details: Rigid floor mounted with (8) M12 grade 12.9 bolts thru (2) 12mm thick United Imaging angle brackets mounted to the cabinet with (3) M12 screws per bracket



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

Component: HRSH150-A-20-AKS-X031 **Test Date:** June 2023

Model Number: 78007036 **Report Number:** 1340-07

UUT Function: Air Cooled Chiller

UUT Description: Component of the uMI Panorama PET-CT systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
485	37.6	28.1	55.9	15.6	13.2	17.6

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_y-9

**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).



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

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
176	27.9	26.7	27.2	>33.0	16.0	22.5
44	7.0	20.5	17.2	NA	NA	NA

Note: The first line above details the UUT Properties for the PC Cabinet and the second line details the UUT properties for the internally mounted PC.

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_y-10

**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).



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

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
174	34.2	30.3	35.8	>33.0	12.0	>33.0
37	7.0	19.0	18.6	NA	NA	NA

Note: The first line above details the UUT Properties for the PC Cabinet and the second line details the UUT properties for the internally mounted PC.

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_{x-5}

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



Mounting Details: Cabinet is Rigid floor mounted with (4) M12 grade 12.9 bolts thru (2) 3mm thick United Imaging angle brackets mounted to the cabinet with (2) M12 screws per bracket.



Manufacturer: United Imaging Healthcare	Test Location: EETI (Suzhou, CHINA)
Component: RSC Cabinet / CT RECON PC - Panorama	Test Date: June 2023
Model Number: 18023946 / 60008085	Report Number: 1340-07
UUT Function: Imaging System PC	
UUT Description: Component of the uMI Panorama PET-CT systems	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
224	23.6	39.4	49.2	8.0	8.0	22.5
46	17.2	20.5	7.0	NA	NA	NA

Note: The first line above details the UUT Properties for the PC Cabinet and the second line details the UUT properties for the internally mounted PC.

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_{x-6}

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



Mounting Details: Cabinet is Rigid floor mounted with (4) M12 grade 12.9 bolts thru (2) 3mm thick United Imaging angle brackets mounted to the cabinet with (2) M12 screws per bracket.



Manufacturer: United Imaging Healthcare	Test Location: EETI (Suzhou, CHINA)
Component: RSC Cabinet / PET RECON PC - Panorama	Test Date: June 2023
Model Number: 18023946 / 60017106	Report Number: 1340-07
UUT Function: Imaging System PC	
UUT Description: Component of the uMI Panorama PET-CT systems	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
224	23.6	39.4	49.2	8.0	8.0	22.5
54	17.2	31.0	3.5	NA	NA	NA

Note: The first line above details the UUT Properties for the PC Cabinet and the second line details the UUT properties for the internally mounted PC.

SEISMIC TEST PARAMETERS

Building 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 2022 / 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_{x-7}

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Cabinet is Rigid floor mounted with (4) M12 grade 12.9 bolts thru (2) 3mm thick United Imaging angle brackets mounted to the cabinet with (2) M12 screws per bracket.



Manufacturer: United Imaging Healthcare	Test Location: EETI (Suzhou, CHINA)
Component: RSC Cabinet / CT Rio Plus RECON PC	Test Date: June 2023
Model Number: 18023946 / 60009013	Report Number: 1340-07
UUT Function: Imaging System PC	
UUT Description: Component of the uMI Panorama PET-CT systems	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
224	23.6	39.4	49.2	8.0	8.0	22.5
91	17.2	29.0	7.0	NA	NA	NA

Note: The first line above details the UUT Properties for the PC Cabinet and the second line details the UUT properties for the internally mounted PC.

SEISMIC TEST PARAMETERS

Building 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 2022 / 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.