

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

#### OFFICE USE ONLY APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP) **APPLICATION #: OSP-0765** HCAI Special Seismic Certification Preapproval (OSP) X New Type: 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 Email: xin.gao@united-imaging.com Telephone: +86 (21) 67076888 Product Information Product Name: CT Systems Product Type: NA Product Model Number: ATLAS CT System General Description: Multiple component system used for producing Computed Tomography (CT) medical images for diagnostic results. Mounting Description: Rigid, Floor Mounted Seismic enhancements made to the test units and/or modifications required to address **Tested Seismic Enhancements:** 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



Title: President



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY 09/20/2023

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# 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 & ASOCIATES 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         X         IEEE 344         IEEE 693         NEBS 3
Other (Please Specify):
FOR CODE CO.
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
O DATE: 09/20/2023
DATE: 09/20/2023
PLI
BUILDING



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# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

#### Seismic Parameters

Desig	n Basis of Equipment or Components	(Fp/Wp) = See Attachments						
	SDS (Design spectral response accele	eration at short period, g) = $2.00 (z/h)$	= 1.0) and	2.50 (z/h = 0.0)				
	ap (Amplification factor) =	See attachments						
	Rp (Response modification factor) =	See attachments						
	$\Omega_0$ (System overstrength factor) =	See Attachment						
	Ip (Importance factor) =	1.5						
	z/h (Height ratio factor) =	1 and 0	and 0					
	Natural frequencies (Hz) =	See Attachment						
	Overall dimensions and weight =	See Attachment						
		OF THE OWNER						
HCA	Approval (For Office Use Only)	Approval Expires on 09/20/2029	N.					
Date:	9/20/2023	OSP-0765	G					
Name	e: Mohammad Karim		Title:	Supervisor, Health Facilities				
Speci	al Seismic Certification Valid Up to: Si	DS (g) = See Above	z/h =	See Above				
Cond	tion of Approval (if applicable):	DATE: 09/20/2023	$\mathbb{V}_{\sim}$					
	E							
			~`/					
		A PLUE STAGE						
		- DUI DUVO						



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OSP-0765

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Table 1

#### **UNITED IMAGING HEALTHCARE Co., Ltd** SPECIAL SEISMIC CERTIFICATION **CERTIFIED SYSTEM AND COMPONENTS**



System: ATLAS uC	CT Systems	Manufacturer: United Imaging Healthcare Co., Ltd						
System Component <sup>1</sup>	United Imaging Part Number	l Width	Dimensions Length	(in) Height	Weight (lb)	Mounting	UUT <sup>3</sup>	
		Gant	8	8				
uCT ATLAS	7808924	91.8	36.6	77.8	5732	floor	UUT <sub>x</sub> -9	
uCT ATLAS Ascend	78009761	91.8	36.6	77.8	5688	floor	interpolate	
uCT ATLAS Astound	7809764	91.8	36.6	77.8	5600	floor	interpolate	
uCT 760/780	78001101	91.7	DE 31.5	77.8	5157	floor	UUT <sub>y</sub> -2	
Patient Table <sup>2</sup>								
uCT - PS2	80100042	23.6	119.9-205.8	18.9-37.4	1060	floor	UUT <sub>y</sub> -5	
uCT - PS3	78007207	S23.60	120.0-205.8	18.9 <mark>-37.</mark> 4	1060	floor	interpolate	
uCT - PS4	7800 <mark>8392 Mo</mark>	h <b>22:1</b> m	119.5-183.8	18.9- <mark>37.4</mark>	2095	floor	UUT <sub>x</sub> -10	
	Powe	er Supp	ly Cabinet			L		
PSC - ATLAS	78004466	27.6	29.6	59.5	1390	floor	UUT <sub>x</sub> -11	
Notes:			CARBBAR		-	-	-	

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

<sup>2</sup> Patient table weights do not include 362lb simulated patient weight for  $UUT_v$ -5 and 565lbs for  $UUT_x$ -10.

<sup>3</sup> The units were tested at different times and the subscripts on the UUT's reference the following lab test reports:

x - 1340-05 - Sept 2022 / y - 1340-01 - Nov 2019

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>	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$
CT Gantries	CBC 2022	2.0	1.0	1.50	1.0	1.5	1.5	2.40
Patient Tables	CBC 2022	2.0	1.0	1.50	1.0	1.5	1.5	2.40
Power Supply Cabinets	CBC 2022	2.0	1.0	1.50	2.5	6.0	2.0	1.50

Table 1

#### UNITED IMAGING HEALTHCARE Co., Ltd SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



System ComponentPart NumberWidthLengthHeight(lb)MountingUUTReconstruction SystemRSC - ATLAS1802394623.639.449.2396floorUUT_x-12Imaging Systems (Cabinet / Internally Mounted PC) <sup>4</sup> PC Cabinet1802253834.230.335.8174floorUUT_y-10PC Cabinet1802253727.926.727.2176floorUUT_y-9PC Cabinet1802253636.234.632.4276floorUUT_y-9PC Cabinet1802253636.234.632.4276floorinterpolatePC Cabinet1802253636.234.632.4276floorinterpolatePC Cabinet1802253636.234.632.4276floorUUT_y-11PC Cabinet1802253636.234.632.4276floorUUT_y-11PC Cabinet1802253636.234.632.4276floorUUT_y-11PC Cabinet1802253636.234.632.4276floorUUT_y-11Notes:1802253636.234.632.4276floorUUT_y-11All components are manufactured by United Imaging Healthcare Co., Ltd. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.Patient table weights do not include 362lb simulated patient weight for UUT_y-5 and 565lbs for UUT_x-10.T		United Imaging	]	Dimensions	(in)	Weight		3
RSC - ATLAS         18023946         23.6         39.4         49.2         396         floor         UUT <sub>x</sub> -12           Imaging Systems (Cabinet / Internally Mounted PC) <sup>4</sup> PC Cabinet         18022538         34.2         30.3         35.8         174         floor         UUT <sub>y</sub> -10           PC Cabinet         18022537         27.9         26.7         27.2         176         floor         UUT <sub>y</sub> -9           PC 1 - uCT         60003853         7.0         17.2         20.5         44         floor         UUT <sub>y</sub> -9           PC Cabinet         18022536         36.2         34.6         32.4         276         floor         interpolate           PC1 - uCT         60003853         7.0         17.2         20.5         44         floor         UUT <sub>y</sub> -9           PC Cabinet         18022536         36.2         34.6         32.4         276         floor         IUUT <sub>y</sub> -11           PC 3 - uCT / uMI         80504016         7.0         17.8         25.5         56         floor         UUT <sub>y</sub> -11           Notes:         1         1         80524516         36.2         34.6         32.4         276         floor         UUT <sub>y</sub> -11           <	System Component <sup>1</sup>	0 0				-	Mounting	UUT
Imaging Systems (Cabinet / Internally Mounted PC)4PC Cabinet18022538 $34.2$ $30.3$ $35.8$ $174$ floorUUTy-10PC 2 - uCT / uMI600043427.019.018.637floorUUTy-10PC Cabinet1802253727.926.727.2176floorUUTy-9PC1 - uCT600038537.017.220.544floorUUTy-9PC Cabinet1802253636.234.632.4276floorinterpolatePC Cabinet1802253636.234.632.4276floorUUTy-11PC Cabinet1802253636.234.632.4276floorUUTy-11PC Cabinet1802253636.234.632.4276floorUUTy-11PC 3 - uCT / uMI805040167.017.825.556floorUUTy-11Notes:^1 All components are manufactured by United Imaging Healthcare Co., Ltd. The part numbers listed uniquely identify the type ofcomponent, manufacturer, and material of construction for each sub-component within the tested units.2 <sup>2</sup> Patient table weights do not include 362lb simulated patient weight for UUTy-5 and 565lbs for UUTx-10.3 The units were tested at different times and the subscripts on the UUT's reference the following lab test reports:x - 1340-05 - Sept 2022 / y - 1340-01-R1 - Nov 20194 PCs are installed in any of three cabinets (see model numbers below and dimensions / weights above) by United Imaging Healthcare.		Reco	nstruct	ion System				
PC Cabinet         18022538         34.2         30.3         35.8         174         floor         UUT <sub>y</sub> -10           PC 2 - uCT / uMI         60004342         7.0         19.0         18.6         37         floor         UUT <sub>y</sub> -10           PC Cabinet         18022537         27.9         26.7         27.2         176         floor         UUT <sub>y</sub> -9           PC1 - uCT         60003853         7.0         17.2         20.5         44         floor         UUT <sub>y</sub> -9           PC Cabinet         18022536         36.2         34.6         32.4         276         floor         interpolate           PC Cabinet         18022536         36.2         34.6         32.4         276         floor         UUT <sub>y</sub> -10           PC Cabinet         18022536         36.2         34.6         32.4         276         floor         UUT <sub>y</sub> -11           PC Cabinet         18022536         36.2         34.6         32.4         276         floor         UUT <sub>y</sub> -11           Notes:         -         -         17.8         25.5         56         floor         UUT <sub>y</sub> -10. <sup>1</sup> All components are manufactured by United Imaging Healthcare Co., Ltd. The part numbers listed uniquely identify the type of component, manuf	RSC - ATLAS	18023946	23.6	39.4	49.2	396	floor	UUT <sub>x</sub> -12
PC Cabinet         18022538         34.2         30.3         35.8         174         floor         UUT <sub>y</sub> -10           PC 2 - uCT / uMI         60004342         7.0         19.0         18.6         37         floor         UUT <sub>y</sub> -10           PC Cabinet         18022537         27.9         26.7         27.2         176         floor         UUT <sub>y</sub> -9           PC 1 - uCT         60003853         7.0         17.2         20.5         44         floor         UUT <sub>y</sub> -9           PC Cabinet         18022536         36.2         34.6         32.4         276         floor         interpolate           PC Cabinet         18022536         36.2         34.6         32.4         276         floor         UUT <sub>y</sub> -10           PC Cabinet         18022536         36.2         34.6         32.4         276         floor         UUT <sub>y</sub> -11           PC auct / uMI         80504016         7.0         17.8         25.5         56         floor         UUT <sub>y</sub> -10           Notes:         1         All components are manufactured by United Imaging Healthcare Co., Ltd. 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 weights do not incl		Imaging Systems (C	abinet /	/ Internally	Mounted	PC) <sup>4</sup>		
PC1 - uCT $60003853$ $7.0$ $17.2$ $20.5$ $44$ floor $UU1_y$ -9PC Cabinet $18022536$ $36.2$ $34.6$ $32.4$ $276$ floorinterpolatePC1 - ATLAS $60009576$ $7.0$ $17.2$ $20.5$ $37$ floorinterpolatePC Cabinet $18022536$ $36.2$ $34.6$ $32.4$ $276$ floor $UUT_y$ -11PC Cabinet $18022536$ $36.2$ $34.6$ $32.4$ $276$ floor $UUT_y$ -11Notes:^1 All components are manufactured by United Imaging Healthcare Co., Ltd. The part numbers listed uniquely identify the type ofcomponent, manufacturer, and material of construction for each sub-component within the tested units. <sup>2</sup> Patient table weights do not include 362lb simulated patient weight for $UUT_y$ -5 and 565lbs for $UUT_x$ -10. <sup>3</sup> The units were tested at different times and the subscripts on the UUT's reference the following lab test reports: $x - 1340-05$ - Sept 2022 / $y - 1340-01-R1 - Nov 2019 0 / 20 / 20 / 20 / 20 / 20 / 20 / 20 /$		18022538	34.2	30.3	35.8	174	floor	UUT <sub>y</sub> -10
PC1 - ATLAS600095767.017.220.537floorinterpolatePC Cabinet PC3 - uCT / uMI1802253636.234.632.4276floorUUTy-11Notes:^1 All components are manufactured by United Imaging Healthcare Co., Ltd. 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 weights do not include 362lb simulated patient weight for UUTy-5 and 565lbs for UUTx-10.3 The units were tested at different times and the subscripts on the UUT's reference the following lab test reports: x - 1340-05 - Sept 2022 / y - 1340-01-R1 - Nov 2019 09/20/20234 PCs are installed in any of three cabinets (see model numbers below and dimensions / weights above) by United Imaging Healthcare.							floor	UUT <sub>y</sub> -9
PC3 - uCT / uMI       80504016       7.0       17.8       25.5       56       floor       UUTy-11         Notes:       OSP-0765 <sup>1</sup> All components are manufactured by United Imaging Healthcare Co., Ltd. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.       2 <sup>2</sup> Patient table weights do not include 362lb simulated patient weight for UUTy-5 and 565lbs for UUTx-10.       3 <sup>3</sup> The units were tested at different times and the subscripts on the UUT's reference the following lab test reports:       x - 1340-05 - Sept 2022 / y - 1340-01-RI - Nov 2019 0/20/2023 <sup>4</sup> PCs are installed in any of three cabinets (see model numbers below and dimensions / weights above) by United Imaging Healthcare.			π ι ι ι ι ι γγγνν				floor	interpolate
Notes: <sup>1</sup> All components are manufactured by United Imaging Healthcare Co., Ltd. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units. <sup>2</sup> Patient table weights do not include 362lb simulated patient weight for UUT <sub>y</sub> -5 and 565lbs for UUT <sub>x</sub> -10. <sup>3</sup> The units were tested at different times and the subscripts on the UUT's reference the following lab test reports: x - 1340-05 - Sept 2022 / y - 1340-01-RI - Nov 201909/20/2023 <sup>4</sup> PCs are installed in any of three cabinets (see model numbers below and dimensions / weights above) by United Imaging Healthcare.							floor	UUT <sub>y</sub> -11
	PCs are installed in any of the ealthcare.	ree cabinets (see model nu	mbers bel	ow and dimens		ts above) b	y United Imaş	ging

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>	Ω₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$
Reconstruction System	CBC 2022	2.0	1.0	1.50	2.5	6.0	2.0	1.50
PC / User Interface	CBC 2022	2.0	1.0	1.50	2.5	6.0	2.0	1.50



Mounting Details: Rigid floor mounted with (8) M12 grade 8.8 bolts



UUT<sub>y</sub>-2

### UNIT UNDER TEST (UUT) SUMMARY SHEET



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



UUT<sub>y</sub>-5

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



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



the normal operating position, the table extended 41.7", 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	Ip	Aflx-H (g)	Arig-H $(g)$	AFLX-V (g)	Arig-V (g)	
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-	
CDC 2022 / ICC-LS AC150	2.50	0	1.5	-	-	1.67	0.67	
Note: The unit was full of contents du maintained structural integrity during				before and aft	er the ICC-ES	S AC156 test.	The unit	

UUT<sub>x</sub>-10

# UNIT UNDER TEST (UUT) SUMMARY SHEET



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

			OSP-S					
Manufacturer	: United Imagi	ing Healthcar	F 09/2	0/202	cation: EE	TI (Suzhou	CHINA)	
Manufacturer Component:	: United Imagi uCT PS4	ing Healthcar	F 09/2	O/202 Test Lo	cation: EE te: Septemb		, CHINA)	
Component: Model Numbe	uCT PS4 er: 78008392		re	Test Lo Test Da	O CAFFE	er 2022	, CHINA)	
Component: Model Numbe	uCT PS4 er: 78008392 i: Motorized pa	atient support	re 09/7	Test Lo Test Da Report	te: Septemb Number: 1	er 2022	, CHINA)	
Component: Model Numbe	uCT PS4 er: 78008392	atient support	re t ATLAS u	Test Lo Test Da Report	te: Septemb Number: 1 ms.	er 2022	, CHINA)	
Component: Model Numbe	uCT PS4 er: 78008392 i: Motorized pa	atient support	re 09/7	Test Lo Test Da Report	te: Septemb Number: 1 ms.	er 2022	, CHINA)	
Component: Model Numbe UUT Function UUT Descripti Weight (lb)	uCT PS4 er: 78008392 i: Motorized pa ion: Patient sup Di	atient support	re t ATLAS uC	Test Lo Test Da Report	te: Septemb Number: 1 ms. ES	per 2022 340-05	, CHINA)	)
Component: Model Numbe UUT Function UUT Descripti Weight (lb) with Patient	uCT PS4 er: 78008392 i: Motorized pa ion: Patient sup Di Width	atient support pport for the mensions (in Depth	re t ATLAS ut UUT PRO nches) Hei	Test Lo Test Da Report CT system PERTII	te: Septemb Number: 1 ms. ES N FB	er 2022 340-05	luency (Hz	V
Component: Model Numbe UUT Function UUT Descripti Weight (lb) with Patient 2,660	uCT PS4 er: 78008392 i: Motorized pa ion: Patient sup Di Width 22.1	ntient support pport for the mensions (in Depth 169.3	re t ATLAS uC UUT PRO nches) Hei 37	Test Lo Test Da Report CT system PERTII ght .4	te: Septemb Number: 1 ms. ES N FB 3.5	er 2022 340-05 fatural Freq SS 4	luency (Hz S 5	V 7.0
Component: Model Numbe UUT Function UUT Descripti Weight (lb) with Patient 2,660 The patient table n	uCT PS4 er: 78008392 i: Motorized pa ion: Patient sup Di Width	atient support pport for the mensions (in Depth 169.3 norizontally to a	re re ATLAS uC UUT PRO nches) Hei 37 accommodate	Test Lo Test Da Report CT system PERTII ght .4 different	te: Septemb Number: 1 ms. ES N FB 3.5 positions and p	atural Freq	uency (Hz S 5 he system wa	V 7.0 as tested in th
Component: Model Numbe UUT Function UUT Descripti Weight (lb) with Patient 2,660 The patient table n	uCT PS4 er: 78008392 a: Motorized pa ion: Patient sup Di Width 22.1 noves vertically / h	ntient support pport for the mensions (in Depth 169.3 norizontally to a able extended 4	re re ATLAS uC UUT PRO nches) Hei 37 accommodate	Test Lo Test Da Report CT system PERTII ght .4 different naximum I	te: Septemb Number: 1 ms. ES N FB 3.5 positions and p neight, and a to	atural Freq	uency (Hz S 5 he system wa	V 7.0 as tested in th
Component: Model Numbe UUT Function UUT Descripti Weight (lb) with Patient 2,660 The patient table n	uCT PS4 er: 78008392 i: Motorized pa ion: Patient sup Di Width 22.1 moves vertically / h position, with the ta	ntient support pport for the mensions (in Depth 169.3 norizontally to a able extended 4	re re ATLAS uC UUT PRO nches) Hei 37 accommodate 49.8", at the n	Test Lo Test Da Report CT system PERTII ght .4 different naximum I	te: Septemb Number: 1 ms. ES N FB 3.5 positions and p neight, and a to	atural Freq SS 4 procedures. The tal simulated	uency (Hz S 5 he system wa	V 7.0 as tested in th ht of 565lbs.
Component: Model Numbe UUT Function UUT Descripti Weight (lb) with Patient 2,660 The patient table mormal operating p	uCT PS4 er: 78008392 i: Motorized pa ion: Patient sup Di Width 22.1 noves vertically / h position, with the ta / Test Criteria	ntient support pport for the mensions (in Depth 169.3 norizontally to a able extended 4 SEISM	re re ATLAS uC UUT PRO nches) Hei 37 accommodate 49.8", at the n IIC TEST	Test Lo Test Da Report CT system PERTIN ght .4 different naximum I PARAM	te: Septemb Number: 1 ms. ES N FB 3.5 positions and p neight, and a to IETERS	atural Freq SS 4 procedures. The tal simulated	luency (Hz S 5 he system wa patient weig	V 7.0 as tested in th ht of 565lbs.

**UUT<sub>x</sub>-11** 



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



UUT<sub>x</sub>-12

## UNIT UNDER TEST (UUT) SUMMARY SHEET



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

Manufacturer			KOL KOL KOL KOL KOL KOL KOL KOL KOL KOL					
Component:				7777777	te: Septemb	,	, ,	
Model Numbe	r: 18023946	PNIA		Report	Number: 1	340-05		
<b>UUT Function</b>	: Image recons	struction syste	mUIL	DING				
UUT Descripti		onstruction sy sed for image	e reconstru	action wi	th model nu			
			JUT PRC	PERTI		r , 15	/**	<u>``</u>
Weight (lb)		mensions (inc		• 1 4		latural Freq		/
206	Width	Depth		ight	FB	SS		V 22.0
396	23.6	39.4		).2 DADAN	15.0 AETEDS	6.	3	23.0
					AETERS			
Building Code	/ Test Criteria	$S_{DS}(g)$	z / h	Ip 1.5	AFLX-H (g)	Arig-H $(g)$	Aflx-v (g	) Arig-v $(g)$
CBC 2022 / IC	CC-ES AC156	2.00 2.50	1.0 0	1.5 1.5	3.20	2.40	- 1.67	- 0.67
Note: The unit was maintained structu					before and afte	er the ICC-ES	AC156 test	. The unit

UUT <sub>y</sub>	-9				UNDE MMAI		ST (UUT) IEET	)	W.E. GUNDY & A STRUCTURAL & EARTH	GAI SSOCIATES, INC. IQUAKE ENGINEERING	
Mounting Det	seisn	nic anc	-	cke	ts (1804	2254). I	nternal PC n				
		REI	EV:		#06 R CO DSP-0 Dhamm	DE CO D765. had Ka	Molum				
Manufacturer	: United	Imagin	g Healthcar	re	: 09/2	Test Lo	cation: EE	FI (Suzhou	, CHINA)		
Component:	PC Cabine	et / Inte	ernal PC1 –	uC	T	Test Da	te: Novemb	er 2019			
Model Numbe	r: 180225	537/6	0003853	M		Report	Number: 1	340-01			
<b>UUT Function</b>	: Imaging	g Syste	m PC		D. MAN		07				
<b>UUT Descript</b>	ion: Com	ponent	t of the uCT		T system	IJ.NG					
		-		UU	T PRO	PERTI	ES				
		Din	nensions (in				Natural Frequency (Hz)				
Weight (lb)	Width		Depth		Hei	ght	FB S			V	
176	27.9		26.7		27	<u> </u>	>33.0	16.	0	22.5	
44	7.0		20.5		17	.2	NA	NA	A	NA	
Note: The first li for the internally			e UUT Prop	erti	es for the	PC Cabi	net and the se	cond line de	tails the UU	T properties	
			SEISM	IIC	TEST	PARAN	<b>IETERS</b>				
Building Code	e / Test Cri	iteria	S <sub>DS</sub> (g)		z / h	Ip	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$	
		7150	2.00		1.0	1.5	3.20	2.40	-	-	
CBC 2022 / I	UU-ES AC	-130	2.50		0	1.5	-	-	1.67	0.67	
Note: The unit wa maintained struct							before and aft	er the ICC-ES	S AC156 test	The unit	

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



**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).



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								
S <sub>DS</sub> (g)	z / h	Ip	Aflx-H (g)	Arig-H (g)	AFLX-V (g)	Arig-v (g)		
2.00	1.0	1.5	3.20	2.40	-	-		
2.50	0	1.5	-	-	1.67	0.67		
-	S <sub>DS</sub> (g) 2.00	S <sub>DS</sub> (g)         z / h           2.00         1.0           2.50         0	S <sub>DS</sub> (g)         z / h         IP           2.00         1.0         1.5           2.50         0         1.5	S <sub>DS</sub> (g)         z / h         I <sub>P</sub> A <sub>FLX-H</sub> (g)           2.00         1.0         1.5         3.20           2.50         0         1.5         -	SDS (g)         z / h         IP         AFLX-H (g)         ARIG-H (g)           2.00         1.0         1.5         3.20         2.40           2.50         0         1.5         -         -	SDS (g)         z / h         IP         AFLX-H (g)         ARIG-H (g)         AFLX-V (g)           2.00         1.0         1.5         3.20         2.40         -           2.50         0         1.5         -         -         1.67		

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<sub>y</sub>-11



**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)				
<b>Component:</b> PC Cabinet / PC3 – uCT / uMI	Test Date: November 2019				
Model Number: 18022536 / 80504016 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	
276	36.2	34.6	32.4	13.0	9.5	17.0	
56	7.0	17.8	25.5	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											
S <sub>DS</sub> (g)	z / h	Ip	AFLX-H (g)	Arig-H (g)	AFLX-V (g)	Arig-v (g)					
2.00	1.0	1.5	3.20	2.40	-	-					
2.50	0	1.5	-	-	1.67	0.67					
	S <sub>DS</sub> (g) 2.00	S <sub>DS</sub> (g)         z / h           2.00         1.0	S <sub>DS</sub> (g)         z / h         I <sub>P</sub> 2.00         1.0         1.5	S <sub>DS</sub> (g)         z / h         I <sub>P</sub> A <sub>FLX-H</sub> (g)           2.00         1.0         1.5         3.20	S <sub>DS</sub> (g)         z / h         IP         A <sub>FLX-H</sub> (g)         A <sub>RIG-H</sub> (g)           2.00         1.0         1.5         3.20         2.40	SDS (g)         z / h         IP         AFLX-H (g)         ARIG-H (g)         AFLX-V (g)           2.00         1.0         1.5         3.20         2.40         -					

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.