

Title: Principal & Program Manager

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0881
HCAI Special Seismic Certification Preapproval (OSP)	
Type: X New Renewal	
Manufacturer Information	
Manufacturer: Philips Healthcare (Suzhou) Co., Ltd.	
Manufacturer's Technical Representative: Mingyuan Zhao	
Mailing Address: 258, Zhongyuan Road, Suzhou Industrial Park, Suzhou, Jiang	gsu Province 215024
Telephone: +86 188-4245-4096 Email: mingyuan.zhao@ph	ilips.com
Product Information	
Product Name: Rembra RT/Rembra/Areta RT	
Product Model Number(s): Varies. See Attachment	
Product Category: CT Systems	12
Product Sub-Category: CT Systems	
General Description: Multiple component systems for the provision of Compinaging.	outed Tomography (CT) medical diagnostic
Mounting Description: Base Mounted Rigid	
Tested Seismic Enhancements: None DATE: 12/11/2025	25
Applicant Information	
Applicant Company Name: Pre Compliance	4.
Contact Person: Galen Reid	
Mailing Address: 324 NW Hill St., Bend, OR 97703	
Telephone: (541) 241-2310 Email: galen@go-pre.com	

HCA

"A healthier California where all receive equitable, affordable, and quality health care"

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

California Licensed Structural	Engineer Responsible for the Engineering and Test Report(s)
Company Name: PRE COMPLIANO	CE
Name: Andrew Coughlin	California License Number: S6082
Mailing Address: 324 NW Hill St, Be	end, OR 97703
Telephone: (415) 635-8461	Email: Andy@go-pre.com
Certification Method	
GR-63-Core X IC	C-ES AC156
Other (Please Specify):	
Testing Laboratory	
Company Name: CHINA TELECON	MMUNICATION TECHNOLOGY LABS (CTTL)
Contact Person: Ying Deng	
Mailing Address: 299 Tengfei Road	, Lianchi District, Baoding City Hebei Province 000000
Telephone: (8603) 126-7989	Email: dengying1@caict.ac.cn
	BY: Mohammad Karim DATE: 12/11/2025





DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

Seismic Parameters

Certified Response Spectral Acceleration Factors:(Fp/Wp)

Horizontal (A Flx-H), g= 3.20 (A Rig-H), g= 2.15

Vertical (A Flx-V), g= 1.67 (A Rig-V), g= 0.67

SDS (Design spectral response acceleration at short period, g) = 2.50 @ z/h = 0; 2.00 @ z/h = 1

Hf (Force amplification height factor) = 1 @ z/h = 0; 3.5 @ z/h = 1

Ru (Structure ductility redution factor) = 1 @ z/h = 0; 1.3 @ z/h = 1

Ip (Importance factor) = 1.5

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

HCAI Approval (For Office Use Only) - Approval Expires on 12/11/2031

Date: 12/11/2025

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable):

BY: Mohammad Karim

DATE: 12/11/2025



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Manufacturer: Philips Healthcare (Suzhou)

ilips Healthcare (Suzhou) Seismic Parameters

Building Codes

Co., Ltd.

 $S_{DS} = 2.00g$ for z/h = 1 $R_{\mu}=1.3$, $H_f=3.5$

I_p=1.5 CBC 2025

Product Type: CT Systems

 $S_{DS} = 2.50g \text{ for } z/h = 0 R_{\mu} = 1.0, H_f = 1.0$

Model Line: Rembra RT/Rembra/Areta RT

TABLE 1

Mounting Configuration: Base Mounted - Rigid

Model Line	Description	Model Number	Max. D	imensio W	ns (in) H	Wt. (lb)	Notes	UUT
Gantry	Gantry	CTGANPGA110	44.3	92.1	76.6	5214		1
Couch	Incisive RT Couch	CTCOUPGA200)DE . 27.6	173.2	37.0	904	Listed length dimension is maximum extended operating and tested position. Listed weight of couch does not include 414.5 lbs. of simulated patient weight also tested.	2
Coucii	Noah RT Couch	Noah RToham)881 n ² 93 I	(215.8)	35.6	1466	Listed length dimension is maximum extended operating and tested position. Listed weight of couch does not include 551 lbs. of simulated patient weight also tested.	3
Console	Standard	CT128PGA310	8.5	21.7	17.5	59.5		4
Console	Premium	CT128PGA310	8.5	21.7	17.5	59.5		5
UPS	UPS	GXT5-1500IRT2UXLE	3.4	18.5	17.0	46.3		6
		BUIL	DIN					

Pre Compliance www.go-pre.com (541) 241-2310

12/11/2025 OSP-0881 Page 4 of 11



SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY

Pre No. CC251795-01-R0

UUT	Product Type (Model No.)	Test Report	Test Date	Test Laboratory	S _{DS}	R_{μ}	H _f	I _p
1	Gantry (CTGANPGA110)	25T04X801478-001	09/26/25- 09-28/25	CAICT	2.0 2.5	1.3 1.0	3.5 1.0	1.5
2	Incisive RT Couch (CTCOUPGA200)	25T04X801478-001	09/26/25- 09-28/25	CAICT	2.0 2.5	1.3 1.0	3.5 1.0	1.5
3	Noah RT Couch (Noah RT)	25T04X801478-001	09/26/25- 09-28/25	CAICT	2.0 2.5	1.3 1.0	3.5 1.0	1.5
4	Standard Console (CT128PGA310)	25T04X801478-001	09/26/25- 09-28/25	CAICT	2.0 2.5	1.3 1.0	3.5 1.0	1.5
5	Premium Console (CT128PGA310)	25T04X801478-001	09/26/25- 09-28/25	CAICT	2.0 2.5	1.3 1.0	3.5 1.0	1.5
6	UPS (GXT5-1500IRT2UXLE)	25T04X801478-001	09/26/25- 09-28/25	CAICT	2.0 2.5	1.3 1.0	3.5 1.0	1.5
				Z				
	RE	OSP-088	31	A CHI				
	0	BY: Mohamma	d Karim	0				
	Z	DATE: 12/11	2025	18				
				\$\tag{\chi}				
		PAN BUILDI	NG CO					
Notes:				'				

Pre Compliance www.go-pre.com (541) 241-2310



UUT 1	Test Report#	25T04X801478-00
-------	--------------	-----------------

 H_{f}

3.5

1.0

 R_{μ}

1.3

1.0

Highest Passed Test Level

1.5

Manufacturer: Philips Healthcare (Suzhou)

Co., Ltd.

Model Line: Rembra RT/Rembra/Areta RT

Model Number: CTGANPGA110

Description: CT System Gantry

Dimensions/Weights

Height (in) Depth (in) Width (in) Weight (lbs.) 44.3 92.1

76.6 5214 **Lowest Natural Frequency (Hz)**

 $\mathbf{A}_{\text{flx-h}}$

3.20

 A_{flx-v}

1.67

 A_{rig-v}

0.67

 A_{rig-h}

2.15

Front-Back Side-Side Vertical 7.6 9.2 30.3

Building Codes

Test Criteria

Construction/Option Summary

ICC-ES AC156-24 **CBC 2025**

Carbon steel with plastic shell

UUT Mounting Details:

SDS

2.0

2.5

z/h

1

0



UUT was rigid base mounted with (8) M16 bolts, grade 8.8.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents					
Description (Manufacturer)	Model Number	Material			
N/A					



					UUT	2	1	Test R	epoi	r t # 251	T04X80	1478-0	01
Manufacturer: Philips Healthcare (Suzhou) Highest Passed Test Level													
		Co.,	Ltd.		S _{DS}	z/h	R_{μ}	H _f	I _p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A _{rig-v}
Model Line	e:	Reml	ora RT/Rembr	a/Areta RT	2.0	1	1.3	3.5	15	3.20	2.15	1.67	0.67
Model Nur	mber:	CTC	OUPGA200		2.5	0	1.0	1.0	1.5	3.20	2.13	1.07	0.67
Description	n:	CT S	ystem Couch										
Dimensions/Weights						Lov	vest N	atura	al Frequ	uency (Hz)		
Depth (in)	Width	(in)	Height (in)	Weight (II	os.) ¹	Fror	nt-Back		Sid	e-Side		Vertic	al
27.6	173.	2	37.0	1318.5)		14.1			3.1		4.9	

Building Codes

CBC 2025

Test Criteria

ICC-ES AC156-24

Construction/Option Summary

Carbon steel with plastic shell.

¹Weight listed includes 414.5 lb. simulated patient load

UUT Mounting Details:



UUT was rigid base mounted with (4) M16 bolts, grade 8.8.
Unit maintained structural integrity

and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents					
Description (Manufacturer)	Model Number	Material			
N/A					



		0013	Test Report# 25T04X801478-001
anufacturer	Philips Healthcare (Suzhou)		Highest Passed Test Level

Co., Ltd. S_{DS} z/h R_{μ} H_f I_p A_{fix-h} A_{rig-h}

Model Line: Rembra RT/Rembra/Areta RT 2.0 1 1.3 3.5 3.20 2.15 1.67 0.67 **Model Number:** Noah RT 2.5 0 1.0 1.0

Description: CT System Couch

Dimensions/Weights Lowest Natural Frequency (Hz)

 Depth (in)
 Width (in)
 Height (in)
 Weight (lbs.)¹
 Front-Back
 Side-Side
 Vertical

 20.3
 215.8
 35.6
 2017
 >33.3
 2.15
 2.93

Building Codes

CBC 2025 ICC-ES AC156-24

Construction/Option Summary

Carbon steel with plastic shell.

¹Weight listed includes 551 lb. simulated patient load

conditions.

UUT Mounting Details:

BY: Mohammad Karim



Test Criteria

UUT was rigid base mounted with (6) M16 bolts, grade 8.8.
Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating

 A_{flx-v}

 A_{rig-v}

List of Included Subcomponents					
Description (Manufacturer)	n (Manufacturer) Model Number				
N/A					



JUI 4. Test Rep	port
-----------------	------

 R_{μ}

1.3

1.0

Test Report# 25T04X801478-001

 A_{rig-h}

2.15

 A_{flx-h}

3.20

 $\boldsymbol{A}_{\text{rig-v}}$

0.67

 A_{flx-v}

1.67

Manufacturer: Philips Healthcare (Suzhou)

Co., Ltd.

Model Line: Rembra RT/Rembra/Areta RT

Model Number: CT128PGA310

Description: CT System Standard Console

Dimensions/Weights

 Depth (in)
 Width (in)
 Height (in)
 Weight (lbs.)

 8.5
 21.7
 17.5
 59.5

Lowest Natural Frequency (Hz)

Front-Back Side-Side Vertical >33.3 23.0 >33.3

Highest Passed Test Level

 H_{f}

3.5

1.0

Building Codes

CBC 2025

Test Criteria

Construction/Option Summary

ICC-ES AC156-24

Carbon steel with plastic shell.

UUT Mounting Details:

SDS

2.0

2.5

z/h

1

0



UUT was rigid base mounted with (4) M10 bolts, grade 8.8.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents					
Description (Manufacturer)	Model Number	Material			
N/A					



UUT 5	Test Report# 25T04X801478-00
-------	------------------------------

 H_{f}

3.5

1.0

 R_{μ}

1.3

1.0

Highest Passed Test Level

Manufacturer: Philips Healthcare (Suzhou)

Co., Ltd.

Model Line: Rembra RT/Rembra/Areta RT

Model Number: CT128PGA310

Description: CT System Premium Console

Dimensions/Weights

 Depth (in)
 Width (in)
 Height (in)
 Weight (lbs.)

 8.5
 21.7
 17.5
 59.5

Lowest Natural Frequency (Hz)

 A_{flx-h}

3.20

 A_{flx-v}

1.67

 A_{rig-v}

0.67

 A_{rig-h}

2.15

Front-Back Side-Side Vertical >33.3 20.3 >33.3

Building Codes

Test Criteria

Construction/Option Summary

CBC 2025 ICC-ES AC156-24

Carbon steel with plastic shell.

UUT Mounting Details:

OSP-0881

Y: Mohammad Karim

SDS

2.0

2.5

z/h

1

0



UUT was rigid base mounted with (4) M10 bolts, grade 8.8.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents			
Description (Manufacturer)	Model Number	Material	
N/A			



UUT 6 Test Report# 25T04X801478-001

 H_{f}

3.5

1.0

 R_{μ}

1.3

1.0

Highest Passed Test Level

1.5

Manufacturer: Philips Healthcare (Suzhou)

Co., Ltd.

Model Line: Rembra RT/Rembra/Areta RT

Model Number: GXT5-1500IRT2UXLE

Description: UPS

Dimensions/Weights

Weight (lbs.) Depth (in) Width (in) Height (in)

3.4 18.5 17.0

46.3

Lowest Natural Frequency (Hz)

 A_{flx-h}

3.20

 A_{rig-h}

2.15

Front-Back Side-Side Vertical >33.3 >33.3 >33.3

Building Codes

Test Criteria

Construction/Option Summary

ICC-ES AC156-24 **CBC 2025**

Carbon steel with plastic shell.

UUT Mounting Details:

SDS

2.0

2.5

z/h

1

0



UUT was rigid base mounted with (4) M10 bolts, grade 8.8.

 $\boldsymbol{A}_{\text{rig-v}}$

0.67

 A_{flx-v}

1.67

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents			
Description (Manufacturer)	Model Number	Material	
N/A			