

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-0868
HCAI Special Seismic Certification Preapproval (OSP)	
Type: X New Renewal	
Manufacturer Information	
Manufacturer: Samsung Electronics Co.,Ltd.	
Manufacturer's Technical Representative: Dongwook Shin	
Mailing Address: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-	do, Korea
Telephone: +82-2-2194-5422	@samsung.com
Product Information	
Product Name: Diagnostic X-Ray System	Mo
Product Model Number(s): GF85-SP/GF85-3P	
Product Category: Fluoroscopy and Radiography Systems	1449 2
Product Sub-Category: Fluoroscopy and Radiography Systems	
General Description: Diagnostic X-Ray System	ning H
Mounting Description: Base Mounted Rigid	
Tested Seismic Enhancements: None	
Applicant Information	
Applicant Company Name: Pre Compliance	
Contact Person: Galen Reid	
Mailing Address: 324 NW Hill St., Bend, OR 97703	
Telephone: (541) 241-2310 Email: galen@go-pr	e.com

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY



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

California Licensed Structural Engineer Responsi	ble for the Engineering and Test Report(s)
Company Name: PRE COMPLIANCE	
Name: Andrew Coughlin	California License Number: S6082
Mailing Address: 324 NW Hill St, Bend, OR 97703	
Telephone: (415) 635-8461 Email:	Andy@go-pre.com
Certification Method	
GR-63-Core X ICC-ES AC156	☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
Other (Please Specify):	
Testing Laboratory	
Company Name: CHINA TELECOMMUNICATION TECHN	NOLOGY LABS (CTTL)
Contact Person: Ying Deng	
Mailing Address: 299 Tengfei Road, Lianchi District, Baod	ling City Hebei Province 000000
Telephone: (8603) 126-7989 Email:	dengying1@caict.ac.cn
	ammad Karim 1/21/2025





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 11/21/2031

Date: 11/21/2025

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable):

BY: Mohammad Karim

DATE: 11/21/2025



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



SPECIAL SEISMIC CERTIFICATION **CERTIFIED COMPONENTS**

Pre No. CC251700-01-R0

Manufacturer: Samsung Electronics Co., Ltd. **Seismic Parameters**

Building Codes

Product Type:

Fluoroscopy and Radiography Systems $S_{DS} = 2.00g$ for z/h=1

 R_{μ} =1.3, H_f =3.5

CBC 2025

Model Line: Diagnostic X-Ray System

 $S_{DS} = 2.50g \text{ for z/h=0}$

R_u=1.0, H_f=1.0

Mounting Configuration: Base Mounted - Rigid

Component	Model	Max. D	imensio W	ns (in) ³ H	Wt. ³ (lb)	Notes	UUT
Tube Stand	SDR-OGTU20P	150.4	21.7	92.5	901	UUT2: 755 lbs.	1,2
Wall Stand ¹ (Tilting)	SDR-OGST21P	79.5	33.5	92.5	467		3
Wall Stand ¹ (Slim)	SDR-OGST20P	26.4	18.9	92.5	1/441		4
6-Way Table	SDR-OGTA20P	87.0	31.5	26.8	603 ²		5
			Dane: Ne:		427		
	4	OSI	P-086	8			
	BY	Moh	amma	ıd Kar			
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Notes:

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¹Wall stands are rigid base mounted and rigid wall mounted at top of stand.

²This does not account for the 770 lbs. of patient weight used during test.

³Dimensions and weights are inclusive of all included components in assembly.



SPECIAL SEISMIC CERTIFICATION **CERTIFIED SUBCOMPONENTS**

Pre No. CC251700-01-R0

Manufacturer: Samsung Electronics Co., Ltd.

Fluoroscopy and Radiography Systems $S_{DS} = 2.00g$ for z/h=1

Model Line: Diagnostic X-Ray System **Seismic Parameters**

Building Codes

 R_{μ} =1.3, H_f =3.5

 $I_{p} = 1.5$ $S_{DS} = 2.50g$ for z/h=0 $R_u=1.0$, $H_f=1.0$

CBC 2025

Product Type:

Table Description: System Components

Component	Model	Model Dimensions (in) Wt.		Wt.	Notes	UUT	
Component	Model	D	W	Н	(lb)	Notes	
	E7254FX	18.2	7.9	7.9	44		1
Tube	E7252X	18.7	7.9	7.9	40		Interp.
	E7843X	18.9	7.9	F7.1	35		2
	MI97-06094D	150.4	17.9	2.0	287	3.8m Rail	1
Tube Stand Rails	MI97-06094C	122.8	17.9	2.0	240	3.1m Rail	Interp.
Tube Stariu Raiis	MI97-06094A	103.1	17.9	2.0	162	2.6m Rail	Interp.
	MI97-06094B	79.5	17.9	2.0	152	2.0m Rail	2
Collimators	SDR-OGCL20P (CRUX RF10-FR08)	8.8 F	14.5	6.1	19	Auto	1
Commators	SDR-OGCL21P (CRUX 110i(SA))	8 0h	ar9 _i 1na	d 5.5 ar	im ¹⁷	Manual	2
	S <mark>4335</mark> -AW	18.1	15.1	0.6	1117/		Interp.
	S4335-AWM	18.1	15,11	20.65	7	10	Interp.
	F4335-AW	18.1	15.1	0.6	4	N	4
Detectors	S4335-W	18.1	15.1	0.6	W7/	9/	Interp.
Detectors	S4343-AW	18.1	18.1	0.6	8	<u> </u>	Interp.
	S4343-AWM	18.1	18.1	0.6	8		3,5
	F4343-AW	18.1	18.1	0.6	6		Interp.
	S4343-W	18.1	18.1	0.6	8		Interp.
System Cabinete	SDR-OGCA20P	19.7	15.9	17.8	87	System Cabinet (for GF85-3P)	6b
System Cabinets	SDR-OGCA21P	19.7	15.9	17.8	87	System Cabinet (for GF85-SP)	7
High Voltage Generator (HVG)	Cetus 80R01 / Cetus 65R01 / Cetus 50R01	17.9	14.1	18.1	90	HVG (for GF85-3P)	6c
Generator (TVG)	Cetus 40R03	17.9	14.1	18.1	90	HVG (for GF85-SP)	8b
	SDR-OGHR20Q	25.7	24.2	23.7	108	HVG Rack	6a,8a
Workstations	DELL 7000 (MI59- 01384A)	1.4	7.2	6.8	2	Workstation (PC)	12,14
	DIR-850L	0.8	0.5	0.1	0.2	AP	13,15

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SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY

Pre No. CC251700-01-R0

UUT	Model	Test Report	Test Laboratory	Test Date	S _{DS}	z/h	Rμ	H _f	I _p
1	Tube Stand (3.8m rail)	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
2	Tube Stand (2.0m rail)	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
3	Wall Stand (Tilting)	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
4	Wall Stand (Slim)	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
5	Patient Table	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
6	SDR-OGCA20P + SDR- OGHR20Q + Cetus 80R01/65R01/50R01	25T04X81124-001 (UUTs 6, 8, & 10)	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
6a	HVG Rack	25T04X81124-001 (UUT10)	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
6b	System Cabinet (for GF85-3P)	25T04X81124-001 (UUT6)	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
6c	HVG (for GF85-3P)	25T04X81124-001 (UUT8)	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
7	System Cabinet (for GF85-SP)	25T04X81124-001	/2CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
8	Cetus 40R03 + SDR- OGHR20Q	25T04X81124-001 (UUTs 9 & 11)	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
8a	SDR-OGHR20Q	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
8b	Cetus 40R03	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
		UUT 9-11	NOT USED						
12	Work Station (PC)	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
13	АР	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
14	Work Station (PC)	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5
15	АР	25T04X81124-001	CAICT	July 18-25, 2025	2.0 2.5	1 0	1.3 1.0	3.5 1.0	1.5

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UUT 1

z/h

1

0

SDS

2.0

2.5

Test Report# 25T04X81124-001

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

3.20

 A_{rig-h}

2.15

 A_{rig-v}

0.67

 A_{flx-v}

1.67

Manufacturer: Samsung Electronics Co., Ltd.

Model Line: Diagnostic X-Ray System

Tubo Stand (3.9m roil)

Model: Tube Stand (3.8m rail)

Serial Number: N/A

Lowest Natural Frequency (Hz)

Highest Passed Test Level

 H_{f}

3.5

1.0

 R_{μ}

1.3

1.0

 Front-Back
 Side-Side
 Vertical

 3.13
 2.74
 10.94

Dimensions/Weights¹

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

 150.4
 21.7
 92.5
 901

Building Codes

CBC 2025 ICC-ES AC156

Test Criteria

Construction/Option Summary²

Column constructed of Aluminum. All other components constructed of Carbon Steel.

UUT Mounting Details:



UUT was rigid base mounted using (26) Grade 8.8 M12 screws.

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 illelad	ed Subcomponer	ILO
_			

Description	Model #	Wt. (lbs.)
d Karim Tube	E7254FX	44
Tube Stand	SDR-OGTU20P	551
Tube Stand Rail (3.8m)	MI97-06094D	287
Collimator (Auto)	SDR-OGCL20P (CRUX RF10-FR08)	19
NG CO		

Notes:

¹Dimensions and weight listed here represent the maximum outside measurements and total weight of all included comoponents.



UUT 2

Test Report# 25T04X81124-001

Manufacturer: Samsung Electronics Co., Ltd. Model Line: Diagnostic X-Ray System Model: Tube Stand (2.0m rail)

Serial Number: N/A

		Highest Passed Test Level						
S _{DS}	z/h	R_{μ}	H_{f}	Ιp	A_{flx-h}	A_{rig-h}		
2.0	4	4.0	2.5					

2.0 2.5 0 1.0 1.0 1.5 2.15 1.67 0.67 3.20

 A_{rig-v}

**** \ / / +

 A_{flx-v}

Dimensions/Weights¹

Width (in) Weight (lbs.) Depth (in) Height (in) 79.5 21.7 92.5 755

Lowest Natural Frequency (Hz)

Front-Back Side-Side Vertical 11.72 3.13 2.77

Building Codes

Test Criteria

Construction/Option Summary²

Column constructed of Aluminum. All other components constructed of Carbon Steel.

CBC 2025

ICC-ES AC156

UUT Mounting Details:



UUT was rigid base mounted using (18) Grade 8.8 M12 screws.

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	Model #	Wt. (lbs.)
d Karim Tube	E7843X	35
Tube Stand	SDR-OGTU20P	551
Tube Stand Rail (2.0m)	MI97-06094B	152
Collimator (Manual)	SDR-OGCL21P (CRUX 110i(SA))	17
NGCO		
IV C		

Notes:

¹Dimensions and weight listed here represent the maximum outside measurements and total weight of all included comoponents.



UUT 3

Test Report# 25T04X81124-001

Manufacturer: Samsung Electronics Co., Ltd. Model Line: Diagnostic X-Ray System Model: Wall Stand (Tilting)

N/A

SDS z/h 2.0 1 2.5 0

 H_{f} R_{μ} 1.3 3.5 1.0 1.0 $\mathbf{A}_{\mathsf{flx-h}}$ 3.20 2.15 A_{rig-v} 0.67

1.67

 A_{flx-v}

Dimensions/Weights¹

Depth (in) Width (in) Height (in) 27.6 33.5 92.5

Weight (lbs.) 467

Lowest Natural Frequency (Hz) Front-Back

Highest Passed Test Level

Side-Side Vertical 6.25 16.07

 A_{rig-h}

Building Codes CBC 2025

Serial Number:

Test Criteria

ICC-ES AC156

14.3

Construction/Option Summary²

Column constructed of Aluminum. All other components constructed of Carbon Steel.

UUT Mounting Details:



UUT was rigid mounted using (4) Grade 8.8 M12 screws at the base, and (4) Grade 8.8 M12 screws at the top into a wall fixture.

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

List of Included	l Subcomponents

Description		
mad Karim Tilting Stand	SDR-OGST21P	459
Detector	S4343-AWM	8
21/2025		
DINGCO		

Notes:

¹Dimensions and weight listed here represent the maximum outside measurements and total weight of all included comoponents.



UUT 4

Test Report# 25T04X81124-001

Manufacturer: Samsung Electronics Co., Ltd. Model Line: Diagnostic X-Ray System Model:

Wall Stand (Slim)

Serial Number: N/A

		підп	iest Pa	rest Level		
S _{DS}	z/h	R_{μ}	H_{f}	Ιp	A_{flx-h}	A _{rig-h}

2.0 1 2.5 0

1.3 3.5 1.0 1.0 1.5 3.20 2.15

1.67 0.67

 A_{rig-v}

 A_{flx-v}

Dimensions/Weights¹

Width (in) Height (in) Weight (lbs.) Depth (in) 26.4 18.9 92.5 441

Lowest Natural Frequency (Hz)

Front-Back Side-Side Vertical 15.29 16.03 23.79

Building Codes

Test Criteria

Construction/Option Summary²

CBC 2025

ICC-ES AC156

Column constructed of Aluminum. All other components constructed of Carbon Steel.

List of Included Subcomponents

UUT Mounting Details:



UUT was rigid mounted using (4) Grade 8.8 M12 screws at the base, and (4) Grade 8.8 M12 screws at the top into a wall fixture.

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

Description	Model #	Wt. (lbs.)
Slim Stand	SDR-OGST20P	437
Detector	F4335-AW	4

Notes:

¹Dimensions and weight listed here represent the maximum outside measurements and total weight of all included comoponents.



UUT 5

Test Report# 25T04X81124-001

Manufacturer:	unufacturer: Samsung Electronics Co., Ltd. Highest Passed Test Level									
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	R_{μ}	H _f	I _p	A_{flx-h}	A _{rig-h}	A_{flx-v}	A _{rig-v}
Model:	Patient Table	2.0	1	1.3	3.5	1 5	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.15	1.07	0.67

		4
Divo	-i //	Veiahts'

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

 87
 31.5
 26.8
 1373

Lowest Na	atural Fred	uency (Hz)
		G. G. I. G. J. I. I. J.

Front-Back Side-Side Vertical 4.3 >33.3 9.77

Building Codes

Test Criteria

Construction/Option Summary²

CBC 2025

ICC-ES AC156

OSP-0868

Constructed of Carbon Steel.

UUT Mounting Details:



List of Included Subcomponents							
Description	Model #	Wt. (lbs.)					
6-Way Table	SDR-OGTA20P	595					
Detector	S4343-AWM	8					

UUT was rigid base mounted using (4) Grade 8.8 M12 screws.

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

Notes:

¹Weight listed includes 770 lbs. of simulated patient weight.



UUT 6

Test Report#

Manufacturer: Samsung Electronics Co., Ltd. Model Line: Diagnostic X-Ray System SDR-OGCA20P + SDR-Model: OGHR20Q + Cetus

80R01/65R01/50R01

		111911			1 1001 2	-0101		
S _{DS}	z/h	R_{μ}	H_f	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.0	1	1.3	3.5	15	3 20	2.15	1 67	0.67
2.5	0	1.0	1.0	1.5	3.20	2.10	1.07	0.07

Dimensions/Weights¹

Weight (lbs.) Width (in) Height (in) 24.2 41.4 285

Lowest Natural Frequency (Hz)						
Front-Back	Side-Side	Vertical				
15.63	21.1	>33.3				

Building Codes

Depth (in)

25.7

Test Criteria

Construction/Option Summary

CBC 2025

ICC-ES AC156

Constructed of Carbon Steel.

List of Included Subcomponents

Wt.

(lbs.)

87

108

90

#

UUT Mounting Details:



JOI -000	Description	Model #
Mohamma	System Cabinet (for GF85-3P) HVG Rack	SDR-OGCA20P
7101101111110	HVG Rack	SDR-OGHR20Q
<u>иит6b</u> 21/	202 HVG (for GF85-3P)	Cetus 80R01 / Cetus 65R01 / Cetus 50R01
UUT6a		



UUT6c

UUT6 was rigid base mounted using (4) Grade 8.8 M10 screws.

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

Notes:

¹Weight listed is total of all components included in UUT6 (6a-6c).

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		UUT	6a		Test F	Repo	rt# ^{25T} (UL	04X8112 JT10)	24-001	
Manufacturer:	Samsung Electronics Co., Ltd.			High	nest Pa	issec	l Test L	_evel		
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	R_{μ}	H _f	I _p	A _{flx-h}	A _{rig-h}	A_{flx-v}	A _{rig-v}
Model:	HVG Rack	2.0	1	1.3	3.5	1 5	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.15	1.07	0.67

Dimensions/Weights				Lowes	t Natural Frequenc	cy (Hz)
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical
25.7	24.2	23.7	195	>33.3	21.1	>33.3

Building Codes

Test Criteria

Construction/Option Summary

CBC 2025

ICC-ES AC156

Constructed of Carbon Steel.

H	
4	200
1 4 -	-

UUT Mounting Details:

	List of Included S	ubcomponents	
SP-086	Description	Model #	Wt. (lbs.)
	HVG Rack	SDR-OGHR20Q	108
ohamma	System Cabinet (for GF85-3P)	SDR-OGCA20P	87
: 11/21/	2025		
4			
	NGCO		
UILDI	No		
8 M10			
O IVI IU			
shake			

UUT6a was rigid base mounted using (4) Grade 8.8 M10 screws.

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



		UUT	6b		Test F	Repo	rt# ^{25T} (UU	04X8112 IT6)	24-001	
Manufacturer:	Samsung Electronics Co., Ltd.			High	est Pa	issec	l Test L	_evel		
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	Rμ	H _f	I _p	A _{flx-h}	A _{rig-h}	A_{flx-v}	A _{rig-v}
Model:	System Cabinet (for GF85-3P)	2.0	1	1.3	3.5	1 5	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.15	1.07	0.67

	Dimens	ions/Weights	5	Lowes	t Natural Frequenc	cy (Hz)
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical
19.7	15.9	17.8	87	15.63	21.1	>33.3

Building Codes

Test Criteria

Construction/Option Summary

CBC 2025

ICC-ES AC156

Constructed of Carbon Steel.

List of Included Subcomponents

Wt.

	001 -00
	nm
	/21
	D.

UUT Mounting Details:

Description	Model #	(lbs.)
System Cabinet (for GF85-3P)	SDR-OGCA20P	87
nad Karım		
1/2025		
INGCOV		

UUT6b was rigid base mounted to UUT6 using (4) Grade 8.8 M10 screws.

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



		UUT	6c		Test F	Repo	rt# ^{25T} (UL	04X811: JT8)	24-001	
Manufacturer:	Samsung Electronics Co., Ltd.			High	nest Pa	issec	l Test L	_evel		
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	R_{μ}	H _f	I _p	A _{flx-h}	A _{rig-h}	A_{flx-v}	A _{rig-v}
Model:	HVG (for GF85-3P)	2.0	1	1.3	3.5	1 5	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.15	1.07	0.67

	Dimens	ions/Weights	;	Lowest Natural Frequency (Hz)			
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical	
17.9	14.1	18.1	90	>33.3	21.1	>33.3	

Building Codes

Test Criteria

Construction/Option Summary

CBC 2025

ICC-ES AC156

Constructed of Carbon Steel.

UUT Mounting Details:		List of Included	Subcomponents	
	SP-0868	Description	Model #	Wt. (lbs.)
		HVG (for GF85-3P)	Cetus 80R01 / Cetus 65R01 / Cetus 50R01	90
ATE	: 11/21/202	5		
VA R	LILDING	CO		
	1			
UUT6c				
00100				
UUT6c was rigid base mounted inside UUT6 using Grade 8.8 M10 screws.	(6)			
Unit maintained structural integrity and remained				

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operational per manufacturer requirement following shake

table test. All contents were included in the unit per

operating conditions.



UUT 7

Test Report# 25T04X81124-001

Manufacturer: Samsung Electronics Co., Ltd. Model Line: Diagnostic X-Ray System System Cabinet (for GF85-SP) Model: Serial Number: N/A

Highest Passed Test Level SDS $H_{\rm f}$ $\mathbf{A}_{\mathsf{flx-h}}$ $\mathbf{A}_{\text{flx-v}}$ z/h I_p A_{rig-v} R_{μ} A_{rig-h} 2.0 1 1.3 3.5 1.5 3.20 2.15 1.67 0.67 2.5 0 1.0 1.0

Dimensions/Weights

Weight (lbs.) Depth (in) Width (in) Height (in) 15.9 17.8 87

Lowest Natural Frequency (Hz) Front-Back Side-Side Vertical >33.3 >33.3 >33.3

Building Codes

19.7

Test Criteria

Construction/Option Summary

CBC 2025

ICC-ES AC156

Constructed of Carbon Steel.

List of Included Subcomponents

UUT Mounting Details:



68	Descrip <mark>tion</mark>	Model #	(lbs.)
Syste	em Cabinet (for GF85-SP)	SDR-OGCA21P	87
ald Ka	arım 💋 O		

UUT was rigid base mounted using (4) Grade 8.8 M10 screws.

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

Note: UUT was tested under normal operating conditions.



		UUT	8		Test I	Repo	rt# ^{25T} (UL	⁻ 04X811; JTs 9 & 1	24-001 1)	
Manufacturer:	Samsung Electronics Co., Ltd.			High	nest Pa	issed	l Test L	_evel		
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	R_{μ}	H _f	Ι _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
Model:	Cetus 40R03 + SDR-OGHR20Q	2.0	1	1.3	3.5	1 E	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.15	1.07	0.67

	Dimens	ions/Weights	5	Lowes	t Natural Frequenc	cy (Hz)
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical
25.7	24.2	23.7	198	>33.3	>33.3	>33.3

Building Codes

Test Criteria

Construction/Option Summary

CBC 2025

ICC-ES AC156

Constructed of Carbon Steel.

Wt. (lbs.) 108 90

UUT Mounting Details:	List of Included	Subcomponents
	OSP-0868 Description	Model #
	HVG Rack	SDR-OGHR20Q
SALLY .	Mohammad KahvG (for GF85-SP)	Cetus 40R03
2000	TE: 11/21/2025	
	UUT8a	
	BUILDING	
	THE STATE OF THE S	
_ 🙀		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		

UUT8b

UUT8 was rigid base mounted using (4) Grade 8.8 M10 screws.

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

Notes:

¹Weight listed is total of all components included in UUT8 (8a & 8b).



		8a	Test Report# ^{25T04X81124-001} (UUT11)							
Manufacturer:	er: Samsung Electronics Co., Ltd. Highest Passed Test Level									
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	R_{μ}	H_{f}	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
Model:	HVG Rack	2.0	1	1.3	3.5	1 5	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.15	1.07	0.67

	Dimens	ions/Weights	5	Lowes	st Natural Frequenc	cy (Hz)
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical
25.7	24.2	23.7	108	>33.3	>33.3	>33.3

Building Codes

Test Criteria

Construction/Option Summary

CBC 2025 ICC-ES AC156

UUT Mounting Details:

Constructed of Carbon Steel.

o BY:	Мо
THE WAY	H
UUT 11	

in all	List of Included Subcomponents								
OSP-0868	Description	Model #	Wt. (lbs.)						
Mohammad Ka	HVG Rack	SDR-OGHR20Q	108						
11/01/000									
11/21/202									

UUT8a was rigid base mounted using (4) Grade 8.8 M10 screws.

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

Pre Compliance

Note: UUT was tested under normal operating conditions.

(541) 241-2310

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	Test Report# ^{25T04X81124-001} (UUT9)									
Manufacturer:	Samsung Electronics Co., Ltd. Highest Passed Test Level									
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	R_{μ}	H _f	I _p	A_{flx-h}	A _{rig-h}	A_{flx-v}	A _{rig-v}
Model:	HVG (for GF85-SP)	2.0	1	1.3	3.5	15	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.13 1.07	0.07	

	Dimens	ions/Weights	;	Lowest Natural Frequency (Hz)				
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical		
17.9	14.1	18.1	90	>33.3	>33.3	>33.3		

Building Codes

Test Criteria

Construction/Option Summary

CBC 2025

ICC-ES AC156

Constructed of Carbon Steel.

UUT Mounting Details:	Aller And	List of Included S	Subcomponents	
OS	SP-0868	Description	Model #	Wt. (lbs.)
BY: Mol	hammad Ka	HVG (for GF85-SP)	Cetus 40R03	90
DI. MO	mammau K	muse A		
DATE.	11/21/202	F 72,		
DATE:	11/21/202			
	+			
VIA DI				
A BI	MIDING			
1				
	_			
4 10 4004				
UUT9				
Bb was rigid base mounted inside UUT8 using ((6)			

UUT Grade 8.8 M10 screws.

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

Note: UUT was tested under normal operating conditions.



UUT 12

Test Report# 25T04X81124-001

Manufacturer:	Samsung Electronics Co., Ltd.	Highest Passed Test Level								
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	R_{μ}	H _f	l _p	A_{flx-h}	A _{rig-h}	A_{flx-v}	A _{rig-v}
Model:	Workstation (PC)	2.0	1	1.3	3.5	1 5	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.15	1.07	0.67

	Dimens	ions/Weights	;	Lowest Natural Frequency (Hz)				
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical		
1.4	7.2	6.8	2	>33.3	>33.3	>33.3		

Building Codes
CBC 2025

Test Criteria

Construction/Option Summary

ICC-ES AC156

Steel and Plastic

ist of Included Subcomponents

Oo'l Mounting Details.	List of illeladed 5	uncomponents	
OSP-0868	Description	Model #	Wt. (lbs.)
O BY: Mohammad Kar	Vorkstation (PC)	DELL 7000 (MI59- 01384A)	2
11/21/2025			
ILDING			

UUT was rigid base mounted using (4) Grade 8.8 M6 screws.

UUT Mounting Details:

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



UUUT 13 Test Repo

Test Report# 25T04X81124-001

Manufacturer:	Samsung Electronics Co., Ltd.	Highest Passed Test Level								
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	R_{μ}	H _f	I _p	A_{flx-h}	A _{rig-h}	A_{flx-v}	A _{rig-v}
Model:	AP	2.0	1	1.3	3.5	1 E	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.15	1.07	0.67

	Dimens	ions/Weights		Lowest Natural Frequency (Hz)				
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical		
0.8	0.5	0.1	0.2	>33.3	>33.3	>33.3		

Building Codes

CBC 2025

Test Criteria

Construction/Option Summary

ICC-ES AC156

Plastic

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UUT Mounting Details:

	List of Included Subcomponents					
-0868	<mark>De</mark> scri <mark>ption</mark>	Model #	Wt. (lbs.)			
	AP	DIR-850L	0.2			
mma <mark>d Karin</mark>						
/21/2025	10					
DINGC	0V/					
	5 //					
DING						
e						

UUT was rigid base mounted using (2) Grade 8.8 M6 screws.

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



UUT 14

Test Report# 25T04X81124-001

Manufacturer:	Samsung Electronics Co., Ltd.			High	nest Pa	issec	l Test L	_evel		
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	R_{μ}	H _f	l _p	A_{flx-h}	A _{rig-h}	A_{flx-v}	A _{rig-v}
Model:	Workstation (PC)	2.0	1	1.3	3.5	1 5	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.15	1.07	0.67

Dimensions/Weights			Low	est Natural Frequen	cy (Hz)	
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical
1.4	7.2	6.8	2	>33.3	>33.3	>33.3

OSP-0868

Building Codes
CBC 2025

Test Criteria

Construction/Option Summary

ICC-ES AC156

Steel and Plastic

List of Included Subcomponents

Model #

DELL 7000 (MI59-

01384A)

Description

Wt.

(lbs.)

2

		ad KarWorkstation (PC)
	:11/21	1/2025
	. 11/2	
		INGCO
Toronto.	OILD	

UUT Mounting Details:

UUT was rigid base mounted using a 1" x 4" piece of Velcro tape.

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

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UUT 15

Test Report# 25T04X81124-001

Manufacturer:	Samsung Electronics Co., Ltd.			High	nest Pa	issec	l Test L	_evel		
Model Line:	Diagnostic X-Ray System	S _{DS}	z/h	R_{μ}	H _f	I _p	A_{flx-h}	A _{rig-h}	A_{flx-v}	A _{rig-v}
Model:	AP	2.0	1	1.3	3.5	1 5	3.20	2.15	1.67	0.67
Serial Number:	N/A	2.5	0	1.0	1.0	1.5	3.20	2.15	1.07	0.67

Dimensions/Weights			Lowes	t Natural Frequenc	cy (Hz)	
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical
0.8	0.5	0.1	0.2	>33.3	>33.3	>33.3

Building Codes

Test Criteria

Construction/Option Summary

CBC 2025 ICC-ES AC156

UUT Mounting Details:

Plastic

List of Included Subcomponents

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	h	namma <mark>d Ka</mark>
		11/21/202
-	A A	+
	S De	III DINICI
		VILDING

P-0868 Description Model # Wt. (lbs.)

AP DIR-850L 0.2

UUT was rigid base mounted using a 1" x 4" piece of Velcro tape.

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

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