OFFICE USE ONLY APPLICATION FOR OSHPD SPECIAL SEISMIC **CERTIFICATION PREAPPROVAL (OSP) APPLICATION #:** OSP - 0518 - 10 **OSHPD Special Seismic Certification Preapproval (OSP)** New □ Renewal **Manufacturer Information** Manufacturer: Samsung Manufacturer's Technical Representative: Ninad Gujar Mailing Address: 14 Electronics Avenue, Danvers, MA 01923 USA Telephone: On File Email: On File **Product Information** Product Name: GC70 Digital X-Ray System Product Type: Radiography medical diagnostic imaging system. Product Model Number: See Attachment 1. (List all unique product identification numbers and/or part numbers) General Description: Multiple component medical diagnostic imaging system. Seismic enhancements made to test Units and modifications to address anomalies observed in testing shall be incorporated in the certified units. Mounting Description: See Attachment 1. **Applicant Information** Applicant Company Name: EASE LLC Contact Person: Jonathan Roberson, S.E. Mailing Address: 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709 Telephone: (909) 606-7622 Email: j.roberson@easeco.com I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016. Signature of Applicant: Date: 12/08/2017 Title: Principal Structural Engineer Company Name: EASE LLC

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: EASE LLC
Name: Jonathan Roberson, S.E. California License Number: S4197
Mailing Address: 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709
Telephone: (909) 606-7622 Email: j.roberson@easeco.com
Supports and Attachments Preapproval
 Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required) Supports and attachments are not preapproved
Certification Method
 ☐ Testing in accordance with: ☐ Other (Please Specify):
Testing Laboratory
Company Name: Environmental Testing Laboratory, Inc.
Contact Name: Brady Richard
Mailing Address: 11034 Indian Trail, Dallas, TX. 75229-3513
Telephone: _(972) 247-9657



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OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters
Design in accordance with ASCE 7-10 Chapter 13: ⊠ Yes □ No
Design Basis of Equipment or Components (F _p /W _p) = See Attachment 1
S _{DS} (Design spectral response acceleration at short period, g) = 2.00 (z/h = 1); 2.50 (z/h = 0)
a _p (In-structure equipment or component amplification factor) = See Attachment 1
R _p (Equipment or component response modification factor) = See Attachment 1
$Ω_0$ (System overstrength factor) = See Attachment 1
I _p (Importance factor) = 1.5
z/h (Height factor ratio) = 1 (S _{DS} = 2.00); 0 (S _{DS} = 2.50)
Equipment or Component Natural Frequencies (Hz) = See Attachment 2
Overall dimensions and weight (or range thereof) = See Attachment 1
Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: Yes No
Design Basis of Equipment or Components (V/W) =
S _{DS} (Design spectral response acceleration at short period, g) =
S _{D1} (Design spectral response acceleration at 1 second period, g) =
R (Response modification coefficient) =
Ω_0 (System overstrength factor) =
C _d (Deflection amplification factor) =
I_p (Importance factor) = 1.5
Height to Center of Gravity above base =
Equipment or Component Natural Frequencies (Hz) =
Overall dimensions and weight (or range thereof) =
Tank(s) designed in accordance with ASME BPVC, 2015: ☐ Yes ☐ No
List of Attachments Supporting Special Seismic Certification
☐ Test Report(s) ☐ Drawings ☐ Calculations ☐ Manufacturer's Catalog
Other(s) (Please Specify): ATTACHMENTS 1 & 2
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022
Simple 1/1/1/00
Signature: Date: February 9, 2018
Print Name: Timothy J. Piland Title: SSE
Special Seismic Certification Valid Up to : Sps (g) = See Above z/h = See Above
Condition of Approval (if applicable):

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





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ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

	/												
Manufacturer Samsung													
System GC70 Digital X-Ra	ay System												
	MODEL	APPRO	X. DIMENSI	ONS (IN.)	WT.								
COMPONENT	NO.	W	D	Н	(LB.)	MOUNT	BASIS [1]	F _P /W _P	S _{DS}	z/h	a _P	R₽	Ω_0
X-RAY TUBE SUSPENSIONS													
Ceiling-Mounted Tube Head Unit w/	SDR-OGTS73A	157.5	157.5	49.4 min.	902	Ceiling	UUT						
X-Ray Tube 600k (Toshiba)	E7869X			121.6 max.			1607-1						
X-Rail	DGR-OPTRL3/US												
4m Bridge (Y-Rail)	DGR-OPTRTN4/US												
Ceiling-Mounted Tube Head Unit w/	SDR-OGTS73A	157.5	23.6	49.4 min.	889	Ceiling	INT						
X-Ray Tube 300K (Toshiba)	E7252X			121.6 max.									
X-Rail	DGR-OPTRL3/US												
4m Bridge (Y-Rail)	DGR-OPTRTN4/US							3.60 Wp	2.0	1	2 ½	2 ½	2
Ceiling-Mounted Tube Head Unit w/	SDR-OGTS73A	118.1	23.6	49.4 min.	849	Ceiling	INT	1.50 Wp	2.5	0			
X-Ray Tube 600k	E7869X			121.6 max.									
X-Rail	DGR-OPTRL3/US												
3m Bridge (Y-Rail)	DGR-OPTRTN3/US												
Ceiling-Mounted Tube Head Unit w/	SDR-OGTS73A	118.1	23.6	49.4 min.	836	Ceiling	UUT						
X-Ray Tube 300K	E7252X			121.6 max.			1607-2						
X-Rail	DGR-OPTRL3/US												
3m Bridge (Y-Rail)	DGR-OPTRTN4/US												
PATIENT TABLES [4]													
Patient Table	SDR-OGTA80U	94.9	32.0	21.5 min	504 ^[2]	Rigid Base	UUT						
Wireless Detector (C2)	S4343-W			35.4 max			1607-11						
Patient Table	SDR-OGTA80U	94.9	32.0	21.5 min	441 ^{[2][9]}	Rigid Base	UUT	2.40 Wp	2.0	1	1	1 ½	1 ½
Wireless Detector (C1#)	S4335-W			35.4 max			1601-2	1.13 Wp	2.5	0			
Floor Switch (Table)	SDR-OGSF70A	15.7	7.9	5.5	2.5	Rigid Base	UUT 1607-10	·					
WALL STANDS [5]	•												
Wallstand	SDR-OGST73A	29.3	37.4	85.8	430	Wall/Floor	UUT						
Wireless Detector (C1#)	S4335-W						1607-4	2.40 Wp	2.0	1	1	1 ½	1 ½
Wallstand	SDR-OGST73B	29.3	37.4	85.8	430	Wall/Floor	UUT	1.13 Wp	2.5	0			
Wireless Detector (C2)	S4343-W						1607-5	·					
POWER DISTRIBUTION [6]	•		-	-	-	<u>-</u>		-		-	-	-	-
System Cabinet w/ 82kW HVG (DRGEM)	SDR-OGCA75A	29.5	19.9	44.1	485	Rigid Base	UUT 1607-6	1.50 Wp 1.13 Wp	2.0 2.5	1 0	2 ½	6	2

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ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

Manufacture System	GC70 Digital X-R	av Svetom												
Oystem	GC10 Digital X-R	MODEL	APPRO	X. DIMENSIO	ONS (IN.)	WT.	<u> </u>							
COMPONEN	NT	NO.	W	D	H H	(LB.)	MOUNT	BASIS [1]	F _P /W _P	S _{DS}	z/h	a _P	R_P	Ω_0
System Cabi (DRGEM)	inet w/ 52kW HVG	SDR-OGCA75B	29.5	19.9	44.1	485	Rigid Base	SAME	1.50 Wp 1.13 Wp	2.0 2.5	1 0	2 ½	6	2
System Cabi (SPELLMAN	inet w/ 50kW HVG I)	SDR-OGCA75D	29.5	19.9	44.1	408	Rigid Base	UUT 1607-7	1.50 Wp 1.13 Wp	2.0 2.5	1 0	2 ½	6	2
System Cabi (SPELLMAN	inet w/ 80kW HVG I)	SDR-OGCA75C	29.5	19.9	44.1	408	Rigid Base	UUT 1607-9	1.50 Wp 1.13 Wp	2.0 2.5	1 0	2 ½	6	2
USER INTER	RFACE													
Lenovo Think	kStation P310 PC [7]	30ASS04X00	6.9	16.8	14.8	19	Rigid Base	UUT 1601-5	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
Lenovo Thinl	kCentre M900 PC [8]	10FLS1P200	7.0	7.2	1.4	3	Rigid Base	UUT 1601-6	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
Control Interf	face Box (CIB)	SDR-OGCI80U	3.5	7.25	7.5	2	Rigid Base	UUT 1601-10	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
MISC														
Cisco Access	s Point	AIR-SAP2602I-A- K9	8.7	8.7	2.1	2	Rigid Base	UUT 1601-7	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
Cisco Access	s Point	AIR-SAP2602I-B- K9	8.7	8.7	2.1	2	Rigid Base	SAME	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
DLINK Switc	:h	DGS-1008P	7.5	4.7	1.5	2	Rigid Base	UUT8 1601-8	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
DLINK Wirele	ess Access Point	DIR-850L	5.8	4.3	3.8	1	Rigid Base	UUT 1601-9	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
D-Link Acces	ss Point	DAP-2660A1	6.7	6.7	1.1	0.5	Rigid Base	UUT 1607-12	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
Mount Notes	WALL/FLOOR MOU structure is provided CEILING SUSPEND 1. BASIS: • UUT#: Indica 2. Patient table wei 3. All components a 4. Requires use of 5. Requires use of 6. Requires use of 7. Requires use of	R) MOUNT: free-stand NT refers to a condition along the height of the ED refers to a condition test that a test specimen right does not include 545 are manufactured by Sam Samsung Seismic Option	n where the equipment. n where the natching these patient weight sung, unless continued the wall Stan Kit: Wall Stan Kit: Workstati	unit bears o a unit is ancho e characteristics present during otherwise notec able (Part No.: DG Part No.: DGR- on (Part No DG	and anchored red to and sur s was tested as testing. l. DGR-ACCSTA' SR-ACCSST2/L ACCSCA1/US) GR-ACCSPC1/	to the suppose spended from part of this test I/US) or equivale or equivalent. JS) or equivalent.	rting floor. In a	ddition, latera	Il restraint an	choring the	unit to an	adjacent wa	oove the ba all or other :	se. supportinç

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ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

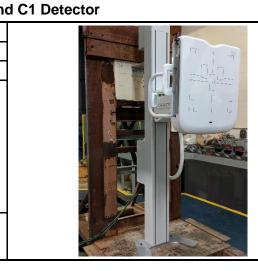
UUT1607- 1	Ceiling-moun	ted Tube I	Head l	Jnit	w/ 4m Bri	idge					
MANUFACTURER:	Samsung	/									
IDENTIFICATION:	THU:	SI	DR-OGTS	S73A		ARRESTERENCE INCHESCRATION,					
	4m Bridge	D	GR-OPTI	RTN4	/US	N. J. W.		19111111	******		
	Longitudinal Rail	D	GR-OPTI	RL3/L	JS	The state of the s					
	Toshiba X-Ray Tube	e 600K E7	7869X				DI		7		
DESCRIPTION:		Component of GC70 digital radiography system. Ceiling Mounted Tube Head Unit (THU)									
MOUNTING:	Ceiling Mounted usi Screws w/ Unistrut F Unistrut P1001 supp longitudinal rail. (To Unistrut P1001 attac 40"max. o.c. w/ (2) - channel nuts.	P1007 M8 chal ports spaced 2 rque = 33.5 ft- ched HSS fram	nnel nuts. 6" o.c. ald lb) (28 bo ne membe	. Typ. ong e olts tot ers sp	each of 7 ach tal) baced				1 2		
PROPERTIES:											
	DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)					
Width	Depth	Height		W	eight (lb.)	Front-Axis	Side	-Axis	Vert-Axis		
157.5	23.6	49.4 / 12 ⁻	1.6		902		-				
SHAKE TABLE T	EST PARAMETERS					*Weig	ht includes equipr	nent and all cablin	g attached to fixture.		
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 2016	ICC-ES AC156	2.0 2.5	1 0		1.5	3.20	2.40	1.68	0.68		
Unit maintained st	tructural integrity and re	mained function	onal per r	manu	facturer require	ement					

UUT1607- 2	Ceiling-moun	ted Tube I	Head U	nit w/ 3m B	ridge						
MANUFACTURER:	Samsung				The state of the s						
IDENTIFICATION:	THU:	SI	DR-OGTS7	73A	M	H		7/			
	3m Bridge	DO	GR-OPTR	TN3/US							
	Longitudinal Rail	DO	GR-OPTRI	L3/US							
	Toshiba X-Ray Tub	e 300K E7	'252X								
DESCRIPTION:	Component of GC7 Ceiling Mounted Tu			em.		7		V			
	Ceiling Mounted usi Screws w/ Unistrut I Unistrut P1001 supp longitudinal rail. (To Unistrut P1001 attac max. o.c. w/ (2) – ½ channel nuts.	P1007 M8 char ports spaced 20 rque = 33.5 ft-l ched HSS fram	nnel nuts. ⁻ 6" o.c. alor b) (28 bolt e member	Typ. each of 7 ng each s total) rs spaced 40"							
PROPERTIES:											
	DIMENSIONS (in.)				LOV	WEST RESONA	NT FREQUEN	CY (Hz.)			
Width	Depth	Height		Weight (lb.)	Front-Axis	s Side	e-Axis	Vert-Axis			
118.1	23.6	49.4 / 121	.6	836							
SHAKE TABLE T	EST PARAMETERS										
CODE	TEST CRITERIA	S _{DS} (G)	z/h	Ι _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)			
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68			
		emained function				1	•				

ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

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UUT1607- 4	Wallstand w	Wallstand w/ Rotating Detector Tray an								
MANUFACTURER:	DRGEM	Samsung	JPI							
IDENTIFICATION:	Wallstand	Detector	Anti-Scatter Grid							
Model No.:	SDR-OGST73A	S4335-W	M197-03295A							
DESCRIPTION:	Manual Tilting Wal Rotating der landscape) Wireless po Anti-scatter Seismic opti ACCSST2/U Wall S	 Wireless portable digital detector installed (C1#) Anti-scatter grid installed (110 cm SID) Seismic option Kit (Wall Stand part no.: DGR-ACCSST2/US) Wall Stand Top Brackets 								
MOUNTING:	screws & washers	Wall/Floor mounted using (2) – 3/8" diam. socket head cap screws & washers (Torque=25 ft-lb) to floor and (4) – 3/8" diam. gr 8 bolts to wall.								



PROPERTIES:

PROPERTIES.									
DIMENSIONS (in.)					LOV	NT FREQUE	T FREQUENCY (Hz.)		
Width	Depth	Height		Weight (lb.)	Front-Axis	Side	-Axis	Vert-Axis	
29.25	37.36	85.8		439.5*	18	6.	97	7.98	
SHAKE TABLE TE	EST PARAMETERS			*Instal	led weight, includi	ng mounting hardv	vare and all cal	bling attached to fixture.	
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 2016	ICC-ES AC156	2.0 1 2.5 0 1.5 3.20 2.40 1.68 0.68							
Unit maintained structural integrity and remained functional per manufacturer requirement									

UUT1607- 5	Manual Tiltin	ng Wallstand w	Rotating Dete				
MANUFACTURER:	DRGEM	Samsung	JPI				
IDENTIFICATION:	Wallstand	Detector	Anti-Scatter Grid				
Model No.:	SDR-OGST73B	S4343-W	M197-03297A				
DESCRIPTION:	Manual Tilting Wal Wireless po Anti-scatter Seismic opt ACCSST2/U Wall S	ortable digital detector installed (C2) r grid installed (180 cm SID) tion Kit (Wall Stand, part no.: DGR-					
MOUNTING:		d using (2) – 3/8" dian (Torque=25 ft-lb) to fl wall.					



PROPERTIES:

DIMENSIONS (in.)						LOWEST RESONANT FREQUENCY (Hz				Y (Hz.)	
Width	Depth	Height		W	/eight (lb.)	Front-Axis		Side-Axis		Vert-Axis	
29.25	37.36	85.8			438*	8.04		6.66		7.68	
SHAKE TABLE TI	EST PARAMETERS			*Install	ed weight, includin	ng mou	unting hardw	are and all	cabling	g attached to fixture.	
CODE	TEST CRITERIA	S _{DS} (G)	z/l	h	I _P	A _{FLX-H} (G)	A	A _{RIG-H} (G) A		G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5	1 15 1 320 1 240 1 168 1						0.68		
Unit maintained st	Unit maintained structural integrity and remained functional per manufacturer requirement										

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ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

UUT1607- 6	System Cabir	System Cabinet Type A w/ 82kW HVG (DRGEM)									
MANUFACTURER:	Samsung	Samsung									
IDENTIFICATION:	ON: Model No.: SDR-OGCA75A										
DESCRIPTION:	Component of GC7 82kW High Voltage Mounting brackets a • Seismic Optic DGR-ACCSC	X-Ray Genera are provided in on Kit (Cabine	itor (HVG) by			The state of the s					
MOUNTING:	Rigid Base (Floor) Mead cap screws eat (3) – M8 stainless scabinet frame (Torq Typical each bracket	ich bracket (6 t teel (A2-70) so ue = 220 cm-k	total) to alum	ninum plate.							
PROPERTIES:											
	DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)						
Width	Depth	Height		Weight (lb.)	Front-Axis	S Side	e-Axis	Vert-Axis			
29.5	19.9	44.1		485	13.48	15	5.12	>50			
SHAKE TABLE T	EST PARAMETERS		•		•						
CODE	TEST CRITERIA	S _{DS} (G)	z/h	Ι _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)			
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68			
Unit maintained st	tructural integrity and re	emained function	onal per mar	nufacturer requi	rement	-	-	-			

UUT1607- 7	System Cabinet Type B w/ 50kW HVG (Sp	pellman)
MANUFACTURER:	Samsung	
IDENTIFICATION:	Model No.: SDR-OGCA75D	Mating ' '
DESCRIPTION:	Component of GC70 digital radiography system 50kW High voltage X-Ray Generator (HVG) by Spellman High Voltage Electronics. Mounting brackets are provided in: Seismic Option Kit (Cabinet, part no.: DGR-ACCSCA1/US)	
MOUNTING:	Rigid Base (Floor) Mounted using (3) – 3/8" diam. socket head cap screws each bracket (6 total) to aluminum plate.	
PROPERTIES:		

	DIMENSIONS (in.)				LOV	WEST RESONA	NT FREQUEN	CY (Hz.)
Width	Depth	Height		Weight (lb.)	Front-Axis	Side	-Axis	Vert-Axis
29.5	19.9	44.1		408	10.61	11	.64	>50
SHAKE TABLE T	EST PARAMETERS							
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 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68

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ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

UUT1607- 9	System Cabinet w/ 80kW HVG (Spellman)
MANUFACTURER:	Samsung
IDENTIFICATION:	Model No.: SDR-OGCA75C
DESCRIPTION:	Component of CG70 digital radiography system 80kW High Voltage X-Ray Generator (HVG) by Spellman High Voltage Electronics.
	Mounting brackets are provided in : • Seismic Option Kit (Cabinet, part no.: DGR-ACCSCA1/US)
MOUNTING:	Rigid Base (Floor) Mounted using (3) – 3/8" diam. socket head cap screws each bracket (6 total) to aluminum plate.



PROPERTIES: DIMENSIONS (in.) LOWEST RESONANT FREQUENCY (Hz.) Width Height Weight (lb.) Front-Axis Side-Axis Vert-Axis Depth 29.5 19.9 44.1 408 12.71 11.37 21.14 SHAKE TABLE TEST PARAMETERS CODE **TEST CRITERIA** $S_{DS}\left(G\right)$ z/h \textbf{I}_{P} A_{FLX-H} (G) $A_{\text{RIG-H}}\left(G\right)$ A_{FLX-V} (G) A_{RIG-V} (G) 2.0 **CBC 2016** ICC-ES AC156 1.5 3.20 2.40 1.68 0.68

ODC 2010	100-L3 AC 130	2.5	C)	1.5	5.20	2.40	1.00	0.00
Unit maintained str	ructural integrity and re	emained functi	onal per	manu	facturer require	ement			
UUT1607- 10	Floor Switch	(Table)							
MANUFACTURER:	Samsung								200
IDENTIFICATION:	Model No.: SDR-O	GSF70A					EAN	MSUNG	
DESCRIPTION:	Wireless foot pedal Component of CG7			ystem					
MOUNTING:	Rigid Base (Floor) N Velcro hook & loop) – 1" x 3	3" 3M II	ndustrial		UU	T-10	
PROPERTIES:									
	DIMENSIONS (in.)					LOV	VEST RESONA	NT FREQUENC	CY (Hz.)
Width	Depth	Height	t	W	eight (lb.)	Front-Axis	Side	-Axis	Vert-Axis
15.7	7.9	5.5			2.5	10.11	>	50	17.21
SHAKE TABLE TE	ST PARAMETERS					*Weig	ht includes equipn	nent and all cablin	g attached to fixture.
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 2016	ICC-ES AC156	2.0 2.5	1		1.5	3.20	2.40	1.68	0.68

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Unit maintained structural integrity and remained functional per manufacturer requirement

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ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

UUT1607- 11 Patient Table w/ C2 Detector & Grid MANUFACTURER: Samsung IDENTIFICATION: Table Detector Grid SDR-OGTA80U S4343W M197-03297A Model No.: Component of GC70 & GC85A digital radiography system DESCRIPTION: Elevating Float-Top Radiographic Table w/ • Wireless portable digital detector installed

- Anti-scatter grid installed (180 cm SID)
- Seismic Option Kit (Patient Table, part no.: DGR-ACCSTA1/US)
 - Patient Table Detector Tray/Grid Holder
 - Patient Table Grid Holder

Rigid Base (Floor) Mounted w/ (8) - 5/8" Grade 8 hex head bolts w/ MOUNTING:

washers to tapped holes in aluminum interface plate.



PROPERTIES:

	DIMENSIONS (in.)					LOV	VEST	RESONAI	NT FREQU	JENC'	Y (Hz.)	
Width	Depth	Height		Weight	t (lb.)	Front-Axis	;	Side	-Axis		Vert-Axis	
94.9	32.0	21.5 min 35.4 max		510	0	30.9		25	25.21		13.45	
SHAKE TABLE TE	ST PARAMETERS											
CODE	TEST CRITERIA	S _{DS} (G)	z/h	1	I _P	A _{FLX-H} (G)	A_R	_{IG-H} (G)	A _{FLX-V} (0	G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0		1.5	3.20		2.40	1.68		0.68	
Unit maintained str	ructural integrity and re	mained function	onal per	manufactui	rer reauir	ement						

UUT1607-12 **D-Link Access Point**

MANUFACTURER:	Samsung
IDENTIFICATION:	Model No.: DAP-2660A1
DESCRIPTION:	Component of CG70 digital radiography system
MOUNTING:	Rigid Base Mounted w/ (2) - #8 x ¾ SMS through D-Link mounting bracket to ¾" thick plywood sheet.



PROPERTIES:

	DIMENSIONS (in.)					LOV	VEST	RESONA	NT FREQU	JENC	Y (Hz.)
Width	Depth	Height		W	eight (lb.)	Front-Axis	;	Side	-Axis		Vert-Axis
6.7	6.7	1.1			1/2	>50		30.	.59		44.03
SHAKE TABLE TE	ST PARAMETERS					*Weig	ht incl	udes equipm	ent and all	cabling	attached to fixture.
CODE	TEST CRITERIA	S _{DS} (G)	z/ł	h	I _P	A _{FLX-H} (G)	A	RIG-H (G)	A _{FLX-V} (0	G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5	1		1.5	3.20		2.40	1.68		0.68
Unit maintained str	ructural integrity and re	mained function	onal per	manut	facturer require	ement					

UUT1601- 5 Lenovo ThinkStation P310

SAMSUNG

ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

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UUT1601- 2	Patient Table	w/ Detect	or							
MANUFACTURER:	Samsung	/						10 -20	1/	
IDENTIFICATION:	Model No.: SDR-00	STA80U						1000		
							A STATE			44
									eponomial.	
DESCRIPTION:	installed. • 545 simulated	335-W Digital I d patient load. on Kit (Patient	Flat Par	nel Det	ector					
MOUNTING:	Rigid Base (Floor) N 8 bolts w/ washers.	Mounted using	(8) – 5/8	8" dian	neter Grade					
PROPERTIES:										
	DIMENSIONS (in.)					LOV	VEST RESONA	NT FREQU	ENCY (Hz.)
Width	Depth	Height		V	/eight (lb.)	Front-Axis	Side	e-Axis	V	/ert-Axis
94.9	32.0	21.5 mi 35.4 ma			441	10.2	3	1.2		8.5
SHAKE TABLE T	EST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/	h	l _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G	S)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5	1		1.5	3.20	2.40	1.68		0.68
Unit maintained st	tructural integrity and re	emained functi	onal per	manu	facturer require	ement			•	

					process and the second			
MANUFACTURER:	Lenovo						W I	
IDENTIFICATION:	Model no.: 30ASS0	4X00			4			
DESCRIPTION:	Component of the Compon					+/		
	Samsung. Seismic	Option Kit (Wo						
	DGR-ACCSPC1/US	8).						
MOUNTING:	Rigid Base using (4) – ¼" -20 macl	hine screws	through	1 1	ThinkStatlo		
	external mounting b							
						L	6 .	•
PROPERTIES:							9	
	DIMENSIONS (in.)				LOV	VEST RESONA	NT FREQUENC	Y (Hz.)
Width	Depth	Height	,	Weight (lb.)	Front-Axis	Side	-Axis	Vert-Axis
		440		19	20.2	34	1.9	>50
6.9	16.8	14.8			_			
	16.8 EST PARAMETERS	14.8				l .	<u>.</u>	
	1	14.8 S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
SHAKE TABLE T	EST PARAMETERS		z/h 1 0		A _{FLX-H} (G) 3.20	A _{RIG-H} (G) 2.40	A _{FLX-V} (G) 1.68	A _{RIG-V} (G)

ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

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UUT1601- 6	Lenovo Think	Centre MS	900						
MANUFACTURER:	Lenovo	,							
IDENTIFICATION:	Model no.: 10FLS1F	200					- 1-		
								1	
								10 12 12 12 12 12 12 12 12 12 12 12 12 12	1
DESCRIPTION:	Component of the G Unit included extern Samsung. Seismic (ACCSPC2/US)	al mounting br	rackets p	rovide					
MOUNTING:	Rigid Base using (4 external mounting b								
PROPERTIES:						1			
	DIMENSIONS (in.)					LOV	WEST RESONA	ANT FREQUENC	CY (Hz.)
Width	Depth	Height		W	eight (lb.)	Front-Axis	S Sid	e-Axis	Vert-Axis
7.0	7.2	1.4			3	>50	>	>50	>50
SHAKE TABLE TI	EST PARAMETERS								
CODE	TEST CRITERIA	S _{DS} (G)	z/h	1	Ι _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5	1 0		1.5	3.20	2.40	1.68	0.68
Unit maintained st	ructural integrity and re	emained function	onal per	manu	facturer requi	rement	•	•	•

UUT1601- 7	Access Point							
MANUFACTURER:	Cisco						Charles St. L.	
IDENTIFICATION:	Model no.: AIR-S	SAP26021-A-K	(9		10000			1
					10.3		•	
DESCRIPTION:	Component of the G	C85A Digital >	K-Ray syste	m.	6.93			
MOUNTING:	Rigid Base using (2)	– ¼"-20 x 1" r	machine sci	rews through	663			
	cisco mounting brac			· ·	-			
								1000
								THE PARTY NAMED IN
PROPERTIES:			1		•			
	DIMENSIONS (in.)				LOV	VEST RESONA	NT FREQUENC	SY (Hz.)
Width	Depth	Height		Weight (lb.)	Front-Axis	Side	-Axis	Vert-Axis
8.7	8.7	2.1		2	46.2	4:	3.7	45.1
SHAKE TABLE T	EST PARAMETERS							
CODE	TEST CRITERIA	S _{DS} (G)	z/h	Ι _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68
Unit maintained s	tructural integrity and re	mained function	onal per ma	nufacturer requi	rement	•		

ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

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UUT1601-8	DLINK Switch	ı /						
MANUFACTURER:	Samsung	/			1000	1		
IDENTIFICATION:	/							
	Model no.:DGS-100	8P				1	B F T	
	Serial no.:QXBP1G30000	10				6	switch ало	an-iu
DESCRIPTION:	Component of the G	C85A Digital X	(-Ray sys	stem.	100			·
MOUNTING:	Counter Top Anchor industrial Velcro hoo			ıg (2) – 1" x 7"				
					25 1837			17 2 2 2 2 2
PROPERTIES:					1000	75 9-9		
PROPERTIES:	DIMENSIONS (in.)				LOV	VEST RESONA	NT FREQUENC	CY (Hz.)
PROPERTIES: Width	DIMENSIONS (in.) Depth	Height		Weight (lb.)	LOV Front-Axis	1	NT FREQUENC	CY (Hz.) Vert-Axis
		Height 1.5		Weight (lb.)		Side	1	, ,
Width 7.5	Depth				Front-Axis	Side	e-Axis	Vert-Axis
Width 7.5	Depth 4.7		z/h		Front-Axis	Side	e-Axis	Vert-Axis
Width 7.5 SHAKE TABLE TO	Depth 4.7 EST PARAMETERS	1.5		2	Front-Axis	Side >	e-Axis 50	Vert-Axis >50

UUT161- 9	DLINK Wirele	ss Access Po	int DIR-850L			
MANUFACTURER:	Samsung					
IDENTIFICATION:	Model no.: KIR850L	KKRA1E		97	1	/
DESCRIPTION:	Component of the G	GC85A Digital X-Ray	system.			
MOUNTING:	Counter Top Ancho industrial Velcro hoo	red (CTA) Mounted ook & loop tape.	using (2) – 1" x 5"	6	1	
PROPERTIES:						
PROPERTIES:	DIMENSIONS (in.)			LOWEST	resonant freq	UENCY (Hz.)

PROPERTIES:											
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)						
Width	Depth	Height		Weight (lb.)	Front-Axis	Side	e-Axis	Vert-Axis			
5.75	4.25	3.75		1	>50	>50		>50			
SHAKE TABLE TEST PARAMETERS											
CODE	TEST CRITERIA	S _{DS} (G)	z/h	l _P	A _{FLX-H} (G)	A _{RIG-H} (G) A _{FLX-V} (G) A _{RIG-V} (G)			
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40 1.6		0.68			
Unit maintained structural integrity and remained functional per manufacturer requirement											



ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

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UUT1601- 10	Control Interface Box										
MANUFACTURER:	Samsung	,				100	7/	inni			
IDENTIFICATION:	DN: Model no.: SDR-OGCI80U							winst is	- 1/		
				•			2				
DESCRIPTION:	Component of the C	C85A Digital >	K-Ray sy	/stem.		1					
MOUNTING:	Rigid Base (Floor) N in tapped hole in alu		SAMSUND								
PROPERTIES:	LOWEST RESONANT FREQUENCY (Hz.)										
Width	DIMENSIONS (in.)	Haiaha		Weight (lb.)				-Axis	Vert-Axis		
3.5	Depth 7.25	Height		VV	· ,	38.5					
	EST PARAMETERS	7.5	7.5 2				5 38.8 42.4				
CODE	TEST CRITERIA	S _{DS} (G)	z/ł	<u> </u>	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A210 1/ (G)		
CBC 2016	ICC-ES AC156	2.0 2.5	1 0		1.5	3.20	2.40	1.68	A _{RIG-V} (G) 0.68		
Unit maintained st	tructural integrity and re	mained functi	onal per	manu	facturer require	ement	1		•		