

# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

### OFFICE USE ONLY APPLICATION FOR HCAI SPECIAL SEISMIC **CERTIFICATION PREAPPROVAL (OSP)** APPLICATION #: OSP-0484 **HCAI Special Seismic Certification Preapproval (OSP)** Type: New Renewal **Manufacturer Information** Manufacturer: Samsung Manufacturer's Technical Representative: Ninad Gujar Mailing Address: 14 Electronics Avenue, Danvers, MA 01923 ngujar@neurologica.com Telephone: (978) 564-8632 Email: **Product Information** Product Name: Fluoroscopy and Radiography Systems Product Type: NA Product Model Number: See Attachment 1 General Description: GC85A Digital X-Ray System. Multiple component medical diagnostic imaging system. Mounting Description: See Certified Product Tables, -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: EASE LLC Contact Person: Jonathan Roberson Mailing Address: 5877 Pine Ave Suite 210, Chino Hills, CA 91709

Email: j.roberson@easeco.com





Telephone: (909) 606-7622

Title: Principal Structural Engineer

02/14/2023

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# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engi	neer Responsible for the	Engineering and Test Repo	ort(s)
Company Name: EASE LLC			
Name: Jonathan Roberson	Californ	ia License Number: S4197	
Mailing Address: 5877 Pine Ave., Suite 2	10, Chino Hills, CA 91709		
Telephone: (951) 295-1892	Email: jon@EASEC	Co.com	
Certification Method			
GR-63-Core X ICC-ES	AC156 IEEE 34	4 IEEE 693	NEBS 3
Other (Please Specify):			
	COR CODE		
Testing Laboratory	(1)	Mp.	
Company Name: ENVIRONMENTAL TES	TING LABORATORIES, INC.	(ETL)	
Contact Person: Jeremy Lange		2	
Mailing Address: 11034 Indian Trail, Dalla	as TX 75229-3513	THE STATE OF THE S	
Telephone: (972) 247-9657	By Email: Jeremy@etl	dallas.com	
	DATE: 02/14/20	23	
Y		V REGREGA	







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# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

#### **Seismic Parameters**

Design Basis of Equipment or Components (Fp/Wp) = See Attachment 1

SDS (Design spectral response acceleration at short period, g) = 2.0 @ z/h = 1; 2.5 @ z/h = 0

ap (Amplification factor) = See Attachment 1

Rp (Response modification factor) = See Attachment 1

 $\Omega_0$  (System overstrength factor) = 2.0

 $I_p$  (Importance factor) = 1.5

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

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

#### HCAI Approval (For Office Use Only) - Approval Expires on 02/14/2029

Date: 02/14/2023 OSP-0484

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: Sps (g) = See Above z/h = See Above

Condition of Approval (if applicable):





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#### **ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS**

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#### TABLE 1:

Manufacturer Samsung	/												
System GC85A Digital )	K-Ray System												
	MODEL	APPROX	K. DIMENSIC	NS (IN.)	MAX. WT.								
COMPONENT	NO.	W	D	H	(LB.)	MOUNT	BASIS [1]	F <sub>P</sub> /W <sub>P</sub>	S <sub>DS</sub>	z/h	a <sub>P</sub>	R <sub>P</sub>	$\Omega_0$
X-RAY TUBE SUSPENSIONS													
Ceiling-mounted Tube Head Unit w/ 3 meter Bridge	SDR-OGTS80U	157.5	118.1	49.3	885	Ceiling	UUT 1601-1	3.60 Wp 1.50 Wp	2.0 2.5	1 0	2 ½	2 ½	2
PATIENT TABLES [4]				FO.	YYYYYYXXXXXX	0/1							
Patient Table including:	SDR-OGTA80U	04.0	200	21.5 min	504 [2]	District Days	UUT	2.40 Wp	2.0	1		4.1/	
Digital X-ray Detector (C2)	S4343-W	94.9	32.0	35.4 max	504 [2]	Rigid Base	1607-11	1.13 Wp	2.5	0	1	1 ½	2
Patient Table including:	SDR-OGTA80U	04.0	200	21.5 min	441 [9]	Dieid Dese	UUT	2.40 Wp	2.0	1	4	4.1/	
Digital X-ray Detector (C1#)	S4335-W	94.9	32.0	35.4 max	441101	Rigid Base	1601-2	1.13 Wp	2.5	0	1	1 ½	2
WALL STANDS [5]		Q	<b>7</b> /////	03	P-U404	t I							
Wall Stand including	SDR-OGST80U	00.7	10.2	00.5	207	\\\all/\(\sigma\)	UUT	2.40 Wp	2.0	1		4.1/	
Digital X-ray Detector (C2)	S4343-W	23.7	40.2	/• Moha	397 mmad k	Wall/Floor	1 <mark>601-11</mark>	1.13 Wp	2.5	0	1	1 ½	2
Wallstand	SDR-OGST73A	00.0	07.4	05.0	100	\A/-11/\(\(\Gamma\)	UUT						
Wireless Detector (C1#)	S4335-W	29.3	37.4	85.8	430	Wall/Floor	1607-4	2.40 Wp	2.0	1	1	4.1/	
Wallstand	SDR-OGST73B	29.3	37.4D	ATE: 0	$\frac{2}{1430}$	Wall/Floor	OUT	1.13 Wp	2.5	0	'	1 ½	2
Wireless Detector (C2)	S4343-W	29.3	37.4	03.0	430	wall/Floor	1607-5						
POWER DISTRIBUTION [6]							2						
System Cabinet w/ 82kW HVG (DRGEM)	SDR-OGCA80U	29.5	19.9	44.9	485	Rigid Base	UUT 1601-4 1802-1	1.50 Wp 1.13 Wp	2.0 2.5	1 0	2 ½	6	2
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
System Cabinet w/ 52kW HVG (DRGEM)	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 Cabinet w/ 50kW HVG (SPELLMAN)	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 Cabinet w/ 80kW HVG (SPELLMAN)	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 INTERFACE													
Lenovo ThinkStation 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 ThinkCentre 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

Table continues next page

#### **ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS**

ATTACHMENT PAGE | 2 OF 2

#### TABLE 1:

		MODEL	APPRO	X. DIMENSIC	ONS (IN.)	MAX. WT.								
COMPONE	ENT	NO.	W	D	H	(LB.)	MOUNT	BASIS [1]	F <sub>P</sub> /W <sub>P</sub>	S <sub>DS</sub>	z/h	a <sub>P</sub>	R <sub>P</sub>	$\Omega_0$
MISC				•	•	•		•	•		•	•	•	
Cisco Acce	ess Point	AIR-SAP2602I-A-K9	8.7	8.7	2.1	OBF	Rigid Base	UUT 1601-7	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
Cisco Acce	ess 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 Swit	tch	DGS-1008P	7.5	4.7	1.5	2	Rigid Base	UUT 1601-8	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
DLINK Wire	eless Access Point	DIR-850L	5.75	4.25	3.75		Rigid Base	UUT 1601-9	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
Control Inte	erface 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
D-Link Acc	ess Point	DAP-2660A1	6.7	6.7 B	√: Mōha	mm%5d k	Rigid Base	UUT 1607-12	1.44 Wp 1.13 Wp	2.0 2.5	1 0	1	2 ½	2
Mount	WALL/FLOOR MOL along the height of t	DR) MOUNT: free-standing, b JNT refers to a condition whe he equipment. DED refers to a condition whe	ere the unit be	ears o and anch	ored to the sup	porting floor. In	addition, lateral	restraint ancho	ring the unit to	an adjacent			structure is p	rovided
Notes	Patient table     All compone     Requires use     Requires use	dicates that a test speciment weight includes all listed options are manufactured by Samer of Samsung Seismic Options	ions but exclunsung, unless Kit: Patient 1 Kit: Wall Sta	udes 544 lb. sim s otherwise note Table (Part No.: und (Part No.: D (Part No.: DGR	ulated patient I d. DGR-ACCSTA GR-ACCSST2/ -ACCSCA1/US	load present du A1/US) or equiv (US) or equivale (S) or equivalent.	ring testing.							



#### **ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

Patient Table w/ Detector

Model No.: SDR-OGTA80U

Samsung

ATTACHMENT PAGE | 1 OF 9

UUT-1601-1	Ceiling-mour	nted Tube Hea	ad Unit w	/ 3m Brid	age			
MANUFACTURER:	Samsung							
IDENTIFICATION:	Model No.: SDR-O	GTS80U					E	
						X		
DESCRIPTION:	Component of the	GC85A Digital X-Ra	y system.					
MOUNTING:		sing (2) – M8 A2-70 racket to Unistrut P1 ns total).						
PROPERTIES:		EO	RLUI	ECC	*Weight	includes equipn	nent and all cablin	g attached to fixture.
	DIMENSIONS (in.				LOWE	ST RESONA	NT FREQUENC	Y (Hz.)
Width	Depth	Height	Weig	ht (lb.)	Front-Axis	Side	-Axis	Vert-Axis
157.5	118.1	49.3	8:	35*		-		
SHAKE TABLE TE	ST PARAMETERS	J (II)		191				
TEST C	RITERIA	S <sub>DS</sub> (G)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
ICC-ES	AC156	2.0 2.5	1 lohamm	ad Kari	3.20	2.40	1.68	0.68

DESCRIPTION:	Samsung S4335 545 simulated pa Unit included en	hancements not for . Seismic Option I	anel Dete	ector in standa	ard				
MOUNTING:	Rigid Base (Floo 8 bolts w/ washe	or) Mounted using ers.	(8) – 5/8	8" diam	eter Grade	8			
PROPERTIES:									Tested Height = 3
PROPERTIES:	DIMENSIONS (	in.)				LOV	VEST RESONA		
PROPERTIES: Width	DIMENSIONS (	in.) Height		W	eight (lb.)	LOV Front-Axis	1		
	<u> </u>	1			eight (lb.) - 545 Patient		Side	NT FREQUEN	ICY (Hz.)
Width 94.9	Depth	Height 21.5 min / 35.			<b>O</b> ( )	Front-Axis	Side	NT FREQUEN	ICY (Hz.)  Vert-Axis
Width 94.9 SHAKE TABLE	Depth 32.0	Height 21.5 min / 35.		441 +	<b>O</b> ( )	Front-Axis	Side	NT FREQUEN	ICY (Hz.)  Vert-Axis

UUT-1601-2

MANUFACTURER:

IDENTIFICATION:

### **ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-1601-4	Cabinet v	v/ HVG	i /						
MANUFACTURER:	Samsung	/	/			<u> </u>		17	TO A C
IDENTIFICATION:	Model No.: SI	DR-OGC	A80U (System C	Cabine	et)	差			
	Model No.: G	XR-82 (H	V Generator)						
DESCRIPTION:	Unit included production un	enhancer iits.	B5A Digital X-Ray ments not found binet, part no.: D	on sta	andard		,		THEFE !
MOUNTING:	head cap scre (3) – M8 stain	ews each nless stee (Torque	unted using (3) – bracket (6 total) I (A2-70) screws = 220 cm-kgf).	to alu	ıminum plate.				
PROPERTIES:			50	RI	TODE C	24			
	DIMENSION	S (in.)	(0)	MM		LOW	EST RESONA	NT FREQUENC	CY (Hz.)
Width	Depth	,	Height	$M_{\Lambda}$	Weight (lb.)	Front-Axis	Side	-Axis	Vert-Axis
29.5	19.9	/6	44.9	$\mathbb{M}.$	358	9.6	15	5.3	>50
SHAKE TABLE TI	EST PARAMETE	ERS	M	2	D 0/19/	100			
TEST C	RITERIA	19	S <sub>DS</sub> (G)	z/h	I TUTOTI	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
ICC-ES	S AC156		2.0 2.5BY: M	1 001	ımmad 5Kaı	m 3.20	2.40	1.68	0.68
Unit satisfied AC1	56 requirements	for struct	ural integrity and	d man	ufacturer requiren	nents for function	ality after AC15	66 test.	

UUT-1601-5	Lenovo Th <mark>ir</mark>	kStation P	310		4/202		<b>Y</b> /		
MANUFACTURER:	Lenovo			1	HAHR			W L	
IDENTIFICATION:	Model no.: 30ASS	604X00	1 0			CODE!			
DESCRIPTION:	Component of the Unit included exte Samsung. Seismin ACCSPC1/US).	rnal mounting br	ackets pro	ovided b	by o.: DGR-				
MOUNTING:	Rigid Base using external mounting				igh		Thinkstall		
PROPERTIES:									
	DIMENSIONS (in	n.)				LOV	WEST RESONA	NT FREQUENC	Y (Hz.)
Width	Depth	Height		Weig	ht (lb.)	Front-Axis	S Side	-Axis	Vert-Axis
6.9	16.8	14.8			19	20.2	3-	4.9	>50
SHAKE TABLE T	EST PARAMETERS								
TEST C	RITERIA	S <sub>DS</sub> (G)	z/h		I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
ICC-ES	S AC156	2.0 2.5	1 0		1.5	3.20	2.40	1.68	0.68
Unit satisfied AC1	56 requirements for s	structural integrit	y and mar	nufactur	er requirer	ments for function	nality after AC15	66 test.	



### **ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-1601-6	Lenovo Think	Centre M900					
MANUFACTURER:	Lenovo				M. M.	a v	
IDENTIFICATION:	Model no.: 10FLS1F	200		A.			
				A STATE OF THE STA	-		
						8th 5	1
DESCRIPTION:		GC85A Digital X-Ray		3	Contraction of the second		
		al mounting brackets Option Kit ( Workstation				1	
MOUNTING:		) – ¼" -20 machine so					7 /
	onto 11 to 11 to 12 to 1		g.			1	
				1990			11-
			CODE				1000
PROPERTIES:		FOR	CODEC	24			
	DIMENSIONS (in.)			LOWES	ST RESONAN	T FREQUENC	Y (Hz.)
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-A	Axis	Vert-Axis
7.0	7.2	1.4	3	>50	>50	0	>50
SHAKE TABLE TI	EST PARAMETERS		SP_0/8/				
TEST C	RITERIA	S <sub>DS</sub> (G) z	/h I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
ICC-ES	S AC156	2.0 2.5 Y Mo	1 nammad Kai	3.20	2.40	1.68	0.68
Unit satisfied AC1	56 requirements for str	uctural integrity and r	nanufacturer requirer	ments for functionality	y after AC156	test.	

UUT-1601-7	Access Poir	+		Z/14/ZUZ		7/		
MANUFACTURER:	Cisco			THERE !	5	A	The same of the	137-116
IDENTIFICATION:	Model no.: AIF	R-SAP26021-A-K	9		ODE			
DESCRIPTION:	Component of the	GC85A Digital X	-Ray syste	"DING				
MOUNTING:	Rigid Base using cisco mounting br	(2) – ¼"-20 x 1" m acket.	nachine scr	ews through				
DDODEDTIES.								
PROPERTIES:	DIMENSIONS (in				100	WEST RESONA	NT EREQUEN	CY (Hz.)
	DIMENSIONS (in	<u>,</u>		Weight (lh )			NT FREQUENC	,
PROPERTIES: Width 8.7	DIMENSIONS (in Depth 8.7	Height		Weight (lb.)	LOV Front-Axis	s Side	NT FREQUENC 9-Axis 3.7	CY (Hz.) Vert-Axis 45.1
Width 8.7	Depth	Height			Front-Axis	s Side	e-Axis	Vert-Axis
Width 8.7 SHAKE TABLE T	Depth 8.7	Height	z/h		Front-Axis	s Side	e-Axis	Vert-Axis

### **ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

**DLINK Wireless Access Point DIR-850L** 

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UUT-1601-8	DLINK Switch	<b>)</b>					
MANUFACTURER:	Samsung			Auto Bell			
IDENTIFICATION:	Model No.: DGS-10	08P					
	Serial No.: QXBP10	3000010		4			
DESCRIPTION:	Component of the C	GC85A Digital X-Ray	y system.			and the same	
MOUNTING:	Countertop Anchore industrial Velcro hoo		using (2) – 1" x 7"			*	in-ta
PROPERTIES:		EO	RCODEC	2			
	DIMENSIONS (in.)	(20)		LOWES	ST RESONA	NT FREQUENC	CY (Hz.)
Width	Depth	Height	Weight (lb.)	Front-Axis	Side	-Axis	Vert-Axis
7.5	4.7	1.5	2	>50	>!	50	>50
SHAKE TABLE T	EST PARAMETERS	7/1	0SD 0/8/				
STIANL TABLE II		AND		A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	
	RITERIA	S <sub>DS</sub> (G)	z/h I <sub>P</sub>	/ (FLX-H (O)	, KIG-H ( )		A <sub>RIG-V</sub> (G)
TEST C	RITERIA S AC156	S <sub>DS</sub> (G) 2.0 2.5	1 onammad Kai	3.20	2.40	1.68	0.68

IDENTIFICATION:	Model no.: KIR85	RNI	A BLI		NG	00	1		
DESCRIPTION:	Component of the	GC85A Digital 3	K-Ray sys	tem.		6-12			
MOUNTING:  PROPERTIES:	Countertop Ancho industrial Velcro h			(2) – 1" x	5"	6		1.	•••
THOI ENTILO.	DIMENSIONS (ir	n.)				LOV	WEST RESONA	NT FREQUEN	CY (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 1	TEST PARAMETERS								
TEST (	CRITERIA	S <sub>DS</sub> (G)	z/h		I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
ICC-E	S AC156	2.0 2.5	1 0		1.5	3.20	2.40	1.68	0.68
Unit satisfied AC	156 requirements for	structural integrit	y and mar	nufacturer	requiren	nents for function	nality after AC15	56 test.	

UUT-1601-9

MANUFACTURER:

Samsung

### ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

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UUT-1601-10	Control Inte	rface Box					
MANUFACTURER:	Samsung			W. C.		mm	
IDENTIFICATION:	Model no.: SDR-O	3CI80U			- Approximate	winst is	> /
						No.	2
DESCRIPTION:	Component of the 0	GC85A Digital X-Ray	system.	/			
MOUNTING:	Rigid Base (Floor) l in tapped hole in al	Mounted using ½"-20 uminum plate.	x 1" machine screw	6	SAMSUNG		
PROPERTIES:		FOR	K CODE C	74			
	DIMENSIONS (in.)			LOWES	ST RESONAN	T FREQUENC	Y (Hz.)
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-A	Axis	Vert-Axis
3.5	7.25	7.5	2	38.5	38.	8	42.4
SHAKE TABLE T	EST PARAMETERS		SP_0/8/				
TEST (	CRITERIA	S <sub>DS</sub> (G) z	/h I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
ICC-E	S AC156	2.0 2.5 Y Mo	1 nammad Kai	3.20	2.40	1.68	0.68
Unit satisfied AC1	56 requirements for st	ructural integrity and r	nanufacturer requirer	nents for functionalit	y after AC156	test.	

UUT-1601-11	Wall Stand	w/ Detector	IE.	UZ/14/ZUZ		<b>Y</b> /		
MANUFACTURER:	Samsung			* 11111111	MAY S			
IDENTIFICATION:	Model no.: SDR-0	OGST80U	Pi		CODE			
DESCRIPTION:	Component of the	e GC85A Digital X	-Ray sys	tem.			1	
	Samsung S4335-installed.	·W wireless digital	flat pane	el detector				
		nancements not fo Seismic Option K US).				蓮		
MOUNTING:		ed using (4) – $\frac{1}{2}$ GR 8 bolts to wall						
PROPERTIES:								
	DIMENSIONS (ii	n.)			LOV	WEST RESONA	NT FREQUEN	CY (Hz.)
Width	Depth	Height		Weight (lb.)	Front-Axis	Side	e-Axis	Vert-Axis
23.7	40.2	89.5		397				
SHAKE TABLE TE	ST PARAMETERS							
TEST C	RITERIA	S <sub>DS</sub> (G)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
ICC-ES	AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68
Unit satisfied AC1	56 requirements for	structural integrity	and mai	nufacturer requirer	nents for function	nality after AC15	56 test.	•

### **ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-1607-4	Wallstand v	v/ Rotating	Detect	or Tray an	d C1# Dete	ctor		
MANUFACTURER:	DRGEM	Samsung	JP	l				
IDENTIFICATION:	Wallstand	Detector	An	ti-Scatter Grid	1		Fig.	
Model No.:	SDR-OGST73A	S4335-W	M1	97-03295A	1			
DESCRIPTION:  MOUNTING:	landscape)  Wireless po Anti-scatter Seismic opt ACCSST2/I Wall	Ilstand w/ tector tray (change) rtable digital determined installed (11 ion Kit (Wall Star JS) Stand Top Brack Stand Detector-T d using (2) - 3/8 (Torque=25 ft-lb	ge from port ector installe 10 cm SID) nd part no.: cets Fray Holder "diam. sock	trait to ed (C1#) DGR- ket head cap				
PROPERTIES:		105	OR	*Insta	alled weight, includ	ing mounting hard	ware and all cabl	ng attached to fixture
	DIMENSIONS (in	.)			LOV	VEST RESONA	NT FREQUEN	CY (Hz.)
Width	Depth	Height		Weight (lb.)	Front-Axis	Side	-Axis	Vert-Axis
29.25	37.36	85.8		439.5*		-		
SHAKE TABLE TE	ST PARAMETERS	4///	OSF	P-0484			•	
TEST CF	RITERIA	S <sub>DS</sub> (G)	z/h	l <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
ICC-ES	AC156	2.03Y 2.5	Mohar	nmad.Kar	m 3.20	2.40	1.68	0.68
Unit satisfied AC15	6 requirements for s	tructural integrity	y and manuf	acturer requirem	nents for function	ality after AC15	66 test.	•

		19 MPA	IE: 02/14/20	$\frac{123}{2}$
UUT-1607-5	Manual Ti	Iting Wallstand	d w/ Rotating Det	ector Tray & C2 Detector
MANUFACTURER:	DRGEM	Samsung	JPI	
IDENTIFICATION:	Wallstand	Detector	Anti-Scatter Grid	
Model No.:	SDR- OGST73B	S4343-W	M197-03297A	
DESCRIPTION:	Manual Tilting  Wireless Anti-sca Seismic ACCSS W	Wallstand w/ s portable digital dete atter grid installed (18 option Kit (Wall Stan	0 cm SID) d, part no.: DGR- ets	
MOUNTING:		ners (Torque=25 ft-lb)	diam. socket head cap to floor and (4) – 3/8"	
PROPERTIES:			*11*	nstalled weight, including mounting hardware and all cabling attached to fix

							1	The season of			
PROPERTIES:				*In	Installed weight, including mounting hardware and all cabling attached to fixture						
	LOWEST RESONANT FREQUENCY (Hz.)										
Width	Depth	Height		W	eight (lb.)	Front-Axi	s	Sid	de-Axis	Vert-Axis	
29.25	37.36	85.8			438*						
SHAKE TABLE	TEST PARAMETERS										
TEST (	CRITERIA	S <sub>DS</sub> (G)	z/h		I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG</sub> .	.н (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)	
ICC-E	ICC-ES AC156 2.0 1 1.5 3.20 2.40 1.68 0.68										
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.											

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#### ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS

UUT-1607- 6	System Cal	oinet Type A	w/ 82k	W HVG (DRO	EM)			
MANUFACTURER:	Samsung				1	The same of the sa		7 7
IDENTIFICATION:	Model No.: SDR-	OGCA75A			***************************************	NO CONTRACTOR OF THE PARTY OF T	H T	1700
DESCRIPTION:	82kW High Volta Mounting bracke • Seismic O	C70 & GC85A dig ge X-Ray Genera ts are provided in ption Kit ( Cabinet SCA1/US )	tor (HVG)	by DRGEM		And the state of t		
MOUNTING:	head cap screws (3) – M8 stainles	r) Mounted using ( each bracket (6 to s steel (A2-70) sco orque = 220 cm-kç cket.	otal) to alu	ıminum plate.				
PROPERTIES:			OK	ANNIA KANA	)1			
	DIMENSIONS (i	n.)			LOW	VEST RESONA	NT FREQUENC	CY (Hz.)
Width	Depth	Height	m m y	Weight (lb.)	Front-Axis	Side	-Axis	Vert-Axis
29.5	19.9	44.1	WXW .X	485	13.48	15	.12	>50
SHAKE TABLE TE	ST PARAMETERS	4///	OS	P-0484			•	
TEST CF	RITERIA	S <sub>DS</sub> (G)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
ICC-ES	AC156	2.0 2.5	Mona	ammad.5Kar	m 3.20	2.40	1.68	0.68
Unit satisfied AC15	66 requirements for	structural integrity	y and man	ufacturer requirem	ents for function	ality after AC15	6 test.	-

UUT-1607- 7	System Cabin	net Type B	w/ 50	0kW	HVG (Spe	ellman)	//					
MANUFACTURER:	Samsung	Z WWW		W <sub>1</sub>	MANAGE							
IDENTIFICATION:	Model No.: SDR-O	Model No.: SDR-OGCA75D										
DESCRIPTION:	Component of GC70 50kW High voltage High Voltage Electr  Mounting brackets a  Seismic Opti- DGR-ACCS0	X-Ray Genera onics. are provided in on Kit ( Cabine	tor (HVC	G) by S	y system Spellman							
MOUNTING:	Rigid Base (Floor) Mead cap screws ea (3) – M8 stainless s cabinet frame (Torq Typical each bracke	ach bracket (6 teel (A2-70) so ue = 220 cm-k	total) to crews th	alumin	ium plate.							
PROPERTIES:												
	DIMENSIONS (in.)					LOV	VEST RESONA	NT FREQUENC	CY (Hz.)			
Width	Depth	Height		W	eight (lb.)	Front-Axis	Side	-Axis	Vert-Axis			
29.5	19.9	44.1			408	10.61	11	.64	>50			
SHAKE TABLE T	EST PARAMETERS		<u> </u>			•	•	<u> </u>				
TEST C	RITERIA	S <sub>DS</sub> (G)	z/	h	I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)			
ICC-E	S AC156	2.0 2.5	1 0	)	1.5	3.20	2.40	1.68	0.68			

Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.

### **ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-1607- 9	System Cal	oinet w/ 80kW	HVG (Spellman)				
MANUFACTURER:	Samsung			A-		, ,	
IDENTIFICATION:	Model No.: SDR-	OGCA75C			UUT-9	ENG .	
DESCRIPTION:	80kW High Volta High Voltage Ele	ge X-Ray Generator ctronics.	al radiography system r (HVG) by Spellman				
		ts are provided in : ption Kit ( Cabinet, p /US )	part no.: DGR-				
MOUNTING:	head cap screws (3) – M8 stainles	each bracket (6 totals s steel (A2-70) screen prque = 220 cm-kgf)	) – 3/8" diam. socket al) to aluminum plate. ws through bracket to	33			
PROPERTIES:		OF		01			
	DIMENSIONS (i	n.)		LOW	EST RESONA	NT FREQUENC	Y (Hz.)
Width	Depth	Height	Weight (lb.)	Front-Axis	Side	-Axis	Vert-Axis
29.5	19.9	44.1	408	12.71	11	.37	21.14
SHAKE TABLE TE	ST PARAMETERS	4/	OSP-0484			•	
TEST CF	RITERIA	S <sub>DS</sub> (G)	z/h I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
ICC-ES	AC156	2.0 2.5	Mo₀nammad.5Kar	m 3.20	2.40	1.68	0.68

UUT-1607-11	Patient Tab	le w/ C2 Det	ector & Grid
MANUFACTURER:	Samsung		
IDENTIFICATION:	Table	Detector	Grid
Model No.:	SDR-OGTA80U	S4343W / >	M197-03297A
DESCRIPTION:	<ul> <li>Elevating Float-Tc</li> <li>Wireless pc</li> <li>Anti-scatter</li> <li>Seismic Op ACCSTA1/</li> <li>Patie</li> </ul>	op Radiographic Ta ortable digital detect grid installed (180 tion Kit (Patient Ta	ctor installed ocm SID) able, part no.: DGR- Tray/Grid Holder
MOUNTING:			5/8" Grade 8 hex head aluminum interface

PROPERTIES:										*Test	ted Height = 31 in
	DIMENSIONS (in.				LOV	VEST	RESONA	NT FREQU	JENC	Y (Hz.)	
Width Depth Height					eight (lb.)	Front-Axis		Side-Axis		Vert-Axis	
94.9	32.0	21.5 min / 35.4	4 max*	510 +	+ 544 Patient	30.90		25	.21		13.45
SHAKE TABLE TE	SHAKE TABLE TEST PARAMETERS										
TEST CF	RITERIA	S <sub>DS</sub> (G)	z/ł	h	I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A	<sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (0	G)	A <sub>RIG-V</sub> (G)
ICC-ES AC156 2.0 1 1.5 3.20 2.40 1.68 0.68											
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.											



#### **ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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#### UUT-1607-12 D-Link Access Point

MANUFACTURER: Samsung

IDENTIFICATION: Model No.: DAP-2660A1

DESCRIPTION: Component of GC70 & GC85A digital radiography system

GC85A System Cabinet w/ HVG

MOUNTING: Rigid Base Mounted w/ (2) - #8 x ¾ SMS through D-Link mounting bracket to ¾" thick plywood sheet.

PROPERTIES:

UUT-1802-1

	DIMENSIONS (in	1.)			LOW	EST RESONA	NT FREQUENC	CY (Hz.)	
Width	Depth Height			/eight (lb.)	Front-Axis	Side	-Axis	Vert-Axis	
6.7	6.7	1.1		1/2	>50	30	.59	44.03	
SHAKE TABLE	TEST PARAMETERS <mark>.</mark>	<u> </u>	OSP	_0/8/	100				
TEST	CRITERIA	S <sub>DS</sub> (G)	z/h	P CONTRACTOR	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)	
ICC-E	S AC156	2.0 2.5	1 Moham	mad Kar	3.20	2.40	1.68	0.68	
Unit satisfied AC	156 requirements for	structural integrity	and manufac	cturer requirem	ents for functiona	ality after AC15	6 test.	•	

MANUFACTURER:	Samsung				-		TAN		1- 8	4	
IDENTIFICATION:	Model No.: SDR-	OGCA80U	MM			383741	ME		Tillian .		
DESCRIPTION:	Component of GC GXR-82 High Vol Samsung Seismic (Part No.: DGR-A	tage Ge <mark>nerator</mark> c Option Kit: Ca	by DRC	ŠEM	LDING	CODY					
MOUNTING:	Rigid Base (Floor head cap screws (3) – M8 stainless cabinet frame (To bracket.	each bracket (6	total) to crews t	o alum hrough	inum plate.  n bracket to						
PROPERTIES:											
	DIMENSIONS (in	.)				LC	OWEST	RESONA	ANT FREQUE	NCY	(Hz.)
Width	Depth	Height		W	eight (lb.)	Front-Axi	s	Sid	e-Axis		Vert-Axis
29.5	22.4	44.9		467	' (installed)	>50		;	>50		>50
SHAKE TABLE 1	EST PARAMETERS	S:									
TEST C	TEST CRITERIA S <sub>DS</sub> (G) z/h			h	I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIO</sub>	<sub>G-H</sub> (G)	A <sub>FLX-V</sub> (G)		A <sub>RIG-V</sub> (G)
ICC-ES AC156 2.0 1 1.5					1.5	3.20	2	2.40	1.68		0.68

Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.