



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

**APPLICATION FOR HCAI SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0901

**HCAI Special Seismic Certification Preapproval (OSP)**

Type:  New  Renewal

**Manufacturer Information**

Manufacturer: Comba Telecom Inc.

Manufacturer's Technical Representative: Steven Cheng

Mailing Address: 568 Gibraltar Dr., Milpitas, CA 95035

Telephone: (408) 609-2901 Email: scheng@combausa.com

**Product Information**

Product Name: Public Safety Communications Equipment

Product Model Number(s): CriticalPoint™ V3 BDA, DAS and Annunciator Panel

Product Category: Electrical Control Panels on Life Safety/Critical Branch

Product Sub-Category: Fire Alarm & Security Panels

General Description: Public Safety Communications Equipment

Mounting Description: Wall Mounted Rigid

Tested Seismic Enhancements: None

**Applicant Information**

Applicant Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

Contact Person: Victoria Ahrens

Mailing Address: 233 SW Wilson Ave UNIT 101, Bend, OR 97702

Telephone: (541) 292-5820 Email: vahrens@structint.com

Title: Certification Engineer



**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: STRUCTURAL INTEGRITY ASSOCIATES, INC.

Name: LACHEZAR HANDZHIYSKI California License Number: S6515

Mailing Address: 5215 Hellyer Avenue, Suite 210, San Jose, CA 95138

Telephone: (669) 437-0200 Email: Lhandzhiyski@StructInt.com

**Certification Method**

- GR-63-Core
- ICC-ES AC156
- IEEE 344
- IEEE 693
- NEBS 3
- Other (Please Specify): \_\_\_\_\_

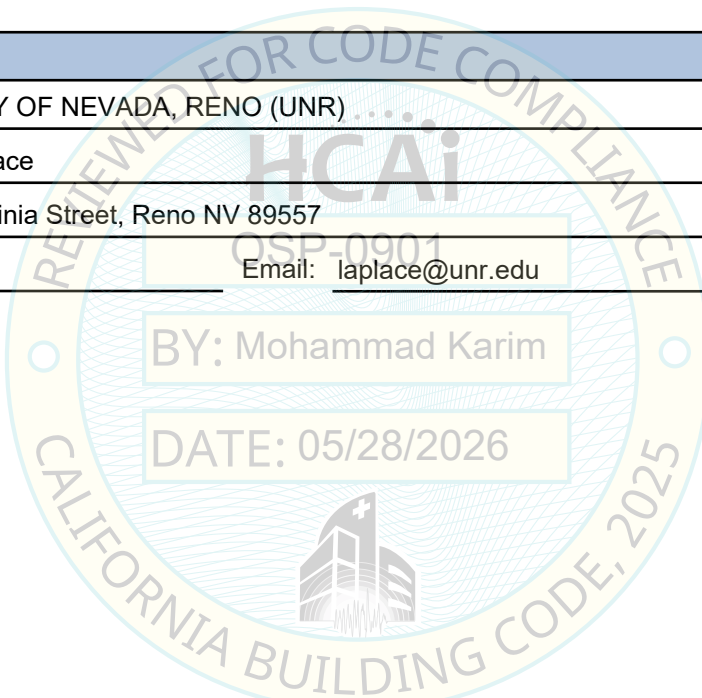
**Testing Laboratory**

Company Name: UNIVERSITY OF NEVADA, RENO (UNR)

Contact Person: Patrick LaPlace

Mailing Address: 1664 N. Virginia Street, Reno NV 89557

Telephone: (775) 784-6937 Email: laplace@unr.edu





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
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**Seismic Parameters**

Certified Response Spectral Acceleration Factors:( $F_p/W_p$ )

Horizontal	(A Flx-H), g=	<u>3.20</u>	(A Rig-H), g=	<u>2.15</u>
Vertical	(A Flx-V), g=	<u>1.67</u>	(A Rig-V), g=	<u>0.67</u>

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

H<sub>f</sub> (Force amplification height factor) = 3.5 (z/h = 1); 1 (z/h = 0)

R<sub>u</sub> (Structure ductility reduction factor) = 1.3 (z/h = 1); 1 (z/h = 0)

I<sub>p</sub> (Importance factor) = 1.5

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

**HCAI Approval (For Office Use Only) - Approval Expires on 05/28/2032**

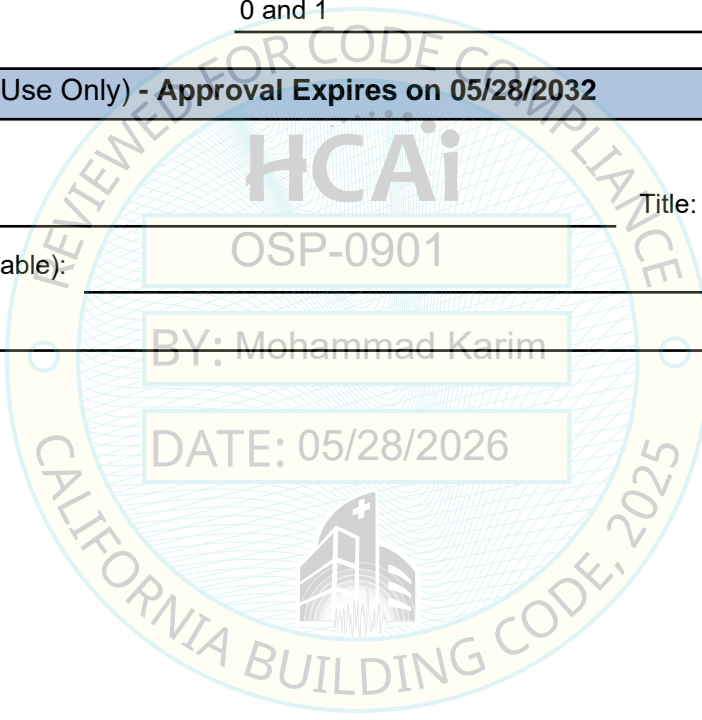
Date: 5/28/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0901

BY: Mohammad Karim

DATE: 05/28/2026



# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2552932-CR-001-R1



<b>Manufacturer:</b> Comba Telecom	<b>TABLE 1</b>
<b>Model Line:</b> CriticalPoint™ V3 BDA, DAS and Annunciator Panel	

**Certified Product Construction Summary:**  
Enclosure: Aluminum Alloy or Hot-dip Galvanized Carbon Steel  
Bracket: Carbon Steel

**Certified Options Summary:**  
N/A

**Mounting Configuration:**  
Wall mounted - rigid  
Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

**Building Code: CBC 2025**      **Seismic Certification Limits:**       $S_{DS} = 2.0g$   $z/h = 1.0$        $R_{\mu} = 1.3$        $H_f = 3.5$        $I_p = 1.5$   
 $S_{DS} = 2.5g$   $z/h = 0.0$        $R_{\mu} = 1.0$        $H_f = 1.0$

Model Line	Model	Dimensions (in)			Weight (lbs.)	Notes	UUT
		Depth	Width	Height			
Bi-Directional Amplifier (BDA) <sup>1</sup>	RX14V3-AP0-VSPUSP-S	11.8	15.8	27.6	97	UUT: Master Unit	3
	RX01V3-AP0-SA	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX01V3-AP0-2A	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX01V3-AP0-3A	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX01V3-AP0-4A	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX04V3-AP0-SA	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX04V3-AP0-1A	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX04V3-AP0-1B	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX04V3-AP0-1X	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX04V3-AP0-2A	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX04V3-AP0-2B	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX04V3-AP0-2X	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX04V3-AP0-3A	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX04V3-BOS <sup>2</sup>	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX04V3-MDF <sup>3</sup>	11.8	15.8	27.6	97	Same as UUT3 (software changes)	Interp.
	RX01V3-AP0-SA	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX01V3-AP0-2A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX01V3-AP0-3A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX01V3-AP0-3B	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX01V3-AP0-4A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
RX01V3-AP0-5A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.	

**Notes:**  
**1.** Interpolated units have different filter tuning, mechanically the same.  
**2.** Boston Fire **3.** Miami Dade Fire

# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2552932-CR-001-R1



<b>Manufacturer:</b> Comba Telecom	<b>TABLE 1</b>
<b>Model Line:</b> CriticalPoint™ V3 BDA, DAS and Annunciator Panel	

**Certified Product Construction Summary:**  
Enclosure: Aluminum Alloy or Hot-dip Galvanized Carbon Steel  
Bracket: Carbon Steel

**Certified Options Summary:**  
N/A

**Mounting Configuration:**  
Wall mounted - rigid  
Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

**Building Code: CBC 2025**      **Seismic Certification Limits:**       $S_{DS} = 2.0g$   $z/h = 1.0$        $R_{\mu} = 1.3$        $H_f = 3.5$        $I_p = 1.5$   
 $S_{DS} = 2.5g$   $z/h = 0.0$        $R_{\mu} = 1.0$        $H_f = 1.0$

Model Line	Model	Dimensions (in)			Weight (lbs.)	Notes	UUT
		Depth	Width	Height			
Bi-Directional Amplifier (BDA) <sup>1</sup>	RX04V3-AP0-SA	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX04V3-AP0-1A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX04V3-AP0-1B	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX04V3-AP0-1X	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX04V3-AP0-2A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX04V3-AP0-2B	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX04V3-AP0-2X	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX04V3-AP0-3A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX04V3-AP0-3X	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX04V3-BOS <sup>2</sup>	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX04V3-MDF <sup>3</sup>	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-VSPUSP	12.3	23.8	27.6	126	UUT: Master Unit	1
	RX14V3-AP0-VSAUSA	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-VSAU1A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-VSAU1B	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-VSAU1X	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-VSAU2A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-VSAU2B	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-VSAU2X	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-VSAU3A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
RX14V3-AP0-V2AUSA	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.	

**Notes:**  
**1.** Interpolated units have different filter tuning, mechanically the same.  
**2.** Boston Fire **3.** Miami Dade Fire

# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2552932-CR-001-R1



<b>Manufacturer:</b> Comba Telecom	<b>TABLE 1</b>
<b>Model Line:</b> CriticalPoint™ V3 BDA, DAS and Annunciator Panel	

**Certified Product Construction Summary:**  
Enclosure: Aluminum Alloy or Hot-dip Galvanized Carbon Steel  
Bracket: Carbon Steel

**Certified Options Summary:**  
N/A

**Mounting Configuration:**  
Wall mounted - rigid  
Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

**Building Code: CBC 2025**      **Seismic Certification Limits:**       $S_{DS} = 2.0g$   $z/h = 1.0$        $R_{\mu} = 1.3$        $H_f = 3.5$        $I_p = 1.5$   
 $S_{DS} = 2.5g$   $z/h = 0.0$        $R_{\mu} = 1.0$        $H_f = 1.0$

Model Line	Model	Dimensions (in)			Weight (lbs.)	Notes	UUT
		Depth	Width	Height			
Bi-Directional Amplifier (BDA) <sup>1</sup>	RX14V3-AP0-V2AU1A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-V2AU1B	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-V2AU1X	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-V2AU2A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-V2AU2B	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-V2AU2X	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-V2AU3A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
	RX14V3-AP0-V3AU1A	12.3	23.8	27.6	126	Same as UUT1 (software changes)	Interp.
Fiber DAS <sup>1</sup>	RH01V3-AP0-SA	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH01V3-AP0-2A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH01V3-AP0-3A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH01V3-AP0-4A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH01V3-AP0-3B	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH01V3-AP0-5A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH04V3-AP0-SA	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH04V3-AP0-1A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH04V3-AP0-1B	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH04V3-AP0-1X	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH04V3-AP0-2A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH04V3-AP0-2B	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH04V3-AP0-2X	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
RH04V3-AP0-3A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.	

**Notes:**  
1. Interpolated units have different filter tuning, mechanically the same.

# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2552932-CR-001-R1



<b>Manufacturer:</b> Comba Telecom	<b>TABLE 1</b>
<b>Model Line:</b> CriticalPoint™ V3 BDA, DAS and Annunciator Panel	

**Certified Product Construction Summary:**  
Enclosure: Aluminum Alloy or Hot-dip Galvanized Carbon Steel  
Bracket: Carbon Steel

**Certified Options Summary:**  
N/A

**Mounting Configuration:**  
Wall mounted - rigid  
Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

**Building Code: CBC 2025**      **Seismic Certification Limits:**       $S_{DS} = 2.0g$   $z/h = 1.0$        $R_{\mu} = 1.3$        $H_f = 3.5$        $I_p = 1.5$   
 $S_{DS} = 2.5g$   $z/h = 0.0$        $R_{\mu} = 1.0$        $H_f = 1.0$

Model Line	Model	Dimensions (in)			Weight (lbs.)	Notes	UUT
		Depth	Width	Height			
Fiber DAS <sup>1</sup>	RH04V3-AP0-3X	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH04V3-BOS <sup>2</sup>	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH04V3-MDF <sup>3</sup>	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-VSPUSP	11.8	15.8	27.6	90	UUT: Remote Unit	2
	RH14V3-AP0-VSAUSA	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-VSAU1A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-VSAU1B	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-VSAU1X	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-VSAU2A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-VSAU2B	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-VSAU2X	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-VSAU3A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-V2AUSA	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-V2AU1A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-V2AU1B	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-V2AU1X	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-V2AU2A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-V2AU2B	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-V2AU2X	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
	RH14V3-AP0-V2AU3A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.
RH14V3-AP0-V3AU1A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.	
RH14V3-AP0-V3BU1A	11.8	15.8	27.6	90	Same as UUT2 (software changes)	Interp.	

**Notes:**  
1. Interpolated units have different filter tuning, mechanically the same.  
2. Boston Fire 3. Miami Dade Fire



# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2552932-CR-001-R1



<b>Manufacturer:</b> Comba Telecom	<b>TABLE 1.1</b>
<b>Model Line:</b> CriticalPoint™ V3 BDA, DAS and Annunciator Panel	

**Nomenclature:** Bi-Directional Amplifier (BDA) and Fiber Distributed Antenna System (DAS)

**FOR REFERENCE ONLY**

**RX14V3 - APO - VXXUXX**

OSP-0901	
UHF BDA Duplexer Filter Type	SA, 1A, 1B, 1X, 2A, 2B, 2X, 3A
VHF BDA Duplexer Filter Type	SA, 2A, 3A, 4A
BDA Power Supply	P0 = AC input with internal charger
BDA Class	A = Class A and Class B
BDA Authorized Band	01 = VHF Band 04 = UHF Band 14 = VHF and UHF Dual Band
Master Unit / Remote Unit	RX = Master Unit (BDA) RH = Remote Unit

# UNIT UNDER TEST (UUT) SUMMARY SHEET



**2552932-CR-001-R1**

**Manufacturer:** Comba Telecom  
**Model Line:** CriticalPoint™ V3 BDA, DAS and Annunciator Panel

UUT	Model Number (mounting)	Report Number (UUT#)	Testing Lab	Tested	ISO 17025?	S <sub>DS</sub>	z/h	R <sub>μ</sub>	H <sub>f</sub>	I <sub>p</sub>
1	BDA/MU (RX14V3-AP0-VSPUSP) (wall mounted - rigid)	2552932-TR-001 (UUT1)	University of Nevada, Reno (UNR)	10-Feb 2026	No <sup>1</sup>	2.0 2.5	1.0 0.0	1.3 1.0	3.5 1.0	1.5
2	DAS/RU (RH14V3-AP0-VSPUSP) (wall mounted - rigid)	2552932-TR-001 (UUT2)	Univeristy of Nevada, Reno (UNR)	10-Feb 2026	No <sup>1</sup>	2.0 2.5	1.0 0.0	1.3 1.0	3.5 1.0	1.5
3	BDA/MU (RX14V3-AP0-VSPUSP-S) (wall mounted - rigid)	2552932-TR-001 (UUT3)	University of Nevada, Reno (UNR)	10-Feb 2026	No <sup>1</sup>	2.0 2.5	1.0 0.0	1.3 1.0	3.5 1.0	1.5
4	FOU (RHFOUV2F-E08UL) (wall mounted - rigid)	2552932-TR-001 (UUT4)	University of Nevada, Reno (UNR)	10-Feb 2026	No <sup>1</sup>	2.0 2.5	1.0 0.0	1.3 1.0	3.5 1.0	1.5
5	Annunciator Panel (APV3-BDA) (wall mounted - rigid)	2552932-TR-001 (UUT5)	University of Nevada, Reno (UNR)	10-Feb 2026	No <sup>1</sup>	2.0 2.5	1.0 0.0	1.3 1.0	3.5 1.0	1.5
6	Annunciator Panel (APV3-DAS) (wall mounted - rigid)	2552932-TR-001 (UUT6)	University of Nevada, Reno (UNR)	10-Feb 2026	No <sup>1</sup>	2.0 2.5	1.0 0.0	1.3 1.0	3.5 1.0	1.5

**Notes:**  
**1.** Univeristy of Nevada, Reno (UNR) is not ISO 17025 accredited but has been reviewed by TRU Compliance and found to meet the requirements for ICC-ES AC156 testing. Review form is on file with TRU Compliance.



# UNIT UNDER TEST (UUT) SUMMARY SHEET

2552932-CR-001-R1



<b>Manufacturer:</b>	Comba Telecom	<b>UUT 2</b>
<b>Product Type:</b>	Public Safety Communications Equipment	
<b>Model Line:</b>	CriticalPoint™ V3 BDA, DAS and Annunciator Panel	
<b>Model Number:</b>	DAS/RU (RH14V3-AP0-VSPUSP)	
<b>Serial Number:</b>	AA2560066189	<b>Test Report:</b> 2552932-TR-001 (UUT2)

UUT Properties						
Weight <sup>1</sup> (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
90	11.8	15.8	27.6	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information										
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	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)
CBC 2025	ICC-ES AC 156-24	2.00	1.0	1.3	3.5	1.5	3.20	2.15	1.67	0.67
		2.50	0.0	1.0	1.0					

**Product Construction Summary:** Enclosure: Aluminum Alloy  
Bracket: Carbon Steel

**Test Mounting Details:**

Enclosure: Aluminum Alloy  
Bracket: Carbon Steel



**Options/Subcomponent Summary:**

Description	Mfr.	Part Number
n/a	n/a	n/a

**Test Mounting Details:**

<sup>1</sup> The weight is the combination of the unit and bracket.  
 - Unit: 83.8 lbs.  
 - Bracket: 6.6 lbs.

\* The mounting bracket is the default bracket included with the unit's main part number and is not sold separately.

UUT2 was wall mounted - rigid to the test fixture.  
Wall Fixture: Mounting bracket\* to wall fixture was mounted using four (4) 3/8" x 1-1/2" lag screws and washers.  
Unit: Unit to mounting bracket was attached using eight (8) Grade 8.8 M8 bolts and washers.  
 Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

# UNIT UNDER TEST (UUT) SUMMARY SHEET

2552932-CR-001-R1



<b>Manufacturer:</b>	Comba Telecom	<b>UUT 3</b>
<b>Product Type:</b>	Public Safety Communications Equipment	
<b>Model Line:</b>	CriticalPoint™ V3 BDA, DAS and Annunciator Panel	
<b>Model Number:</b>	BDA/MU (RX14V3-AP0-VSPUSP-S)	
<b>Serial Number:</b>	AA2570141335	
<b>Test Report:</b>		2552932-TR-001 (UUT3)

UUT Properties						
Weight <sup>1</sup> (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
97	11.8	15.8	27.6	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information										
Building Code	Test Criteria	S <sub>DS</sub> (g)	z/h	R <sub>μ</sub>	H <sub>f</sub>	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)
CBC 2025	ICC-ES AC 156-24	2.00	1.0	1.3	3.5	1.5	3.20	2.15	1.67	0.67
		2.50	0.0	1.0	1.0					

**Product Construction Summary:**  
Enclosure: Aluminum Alloy  
Bracket: Carbon Steel

**Test Mounting Details:**

**Options/Subcomponent Summary:**

Description	Mfr.	Part Number
n/a	n/a	n/a



**Test Mounting Details:**

<sup>1</sup> The weight is the combination of the unit and bracket.  
 - Unit: 90.4 lbs.  
 - Bracket: 6.6 lbs.

\* The mounting bracket is the default bracket included with the unit's main part number and is not sold separately.

UUT3 was wall mounted - rigid to the test fixture.  
Wall Fixture: Mounting bracket\* to wall fixture was mounted using four (4) 3/8" x 1-1/2" lag screws and washers.  
Unit: Unit to mounting bracket was attached using eight (8) Grade 8.8 M8 bolts and washers.  
 Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.





