

## ERRCS Design Review Checklist

Date Reviewed: 11/30/2022  
 Project Identifier: INC0032933  
 Engineer: B. Cobb

Site ID:  
 Project Name: Volar Building A  
 Site Address: 2171 Campus Dr.  
 City: Irvine  
 Fire Jurisdiction: OCFA / Irvine PD

Contractor  
 Company: Leaf Comm  
 Contractor Contact: Leaf Comm  
 Email: Kaitlyn Lyons

BDA  
 Model: RX78SF-MB48E8-UL  
 Serial Number:  
 Operating Mode (A/B):

Assigned Cells  
 Primary: South  
 Secondary: Countywide  
 Mutual Aid: 700MHz M-A

Assigned Site(s):  
 Primary: Signal Peak  
 Secondary: Signal Peak  
 Mutual Aid: Signal Peak  
 Site Assignment Issue Date: 5/18/2021  
 Plan Check

Approval Date: N/A  
 Permit Set File Name(s): VOLAR APARTMENTS\_100% CD\_10-24-22.pdf

Permit Set Received Date: 10/27/2022

Required Information	P/F	Remarks
Site Name & Address	P	
Contractor Info	P	
Site Map	P	

### Project Information

Scope of Work	F	1. AHJ is Orange County Fire Authority. 2. Description of job does not match materials list.
Frequency List	F	Coordinates listed as "Countywide" Donor Site does not describe actual repeater site. All Cells are assigned to Signal Peak.
Materials List	F	Quantities do not match project description. System may require external filter to achieve Band 14-ESMR rejection requirements.
Relevant Codes	P	

#### Designer Certification

FCC	P	
DAS	P	

#### Installation Details

Donor Installation Detail	I	Horizontal Centerline of Donor antenna is to be NLT 8' above walkable surface.
DAS Antenna(s) Detail	P	
Headend Detail	P	
AC Power	P	
DC Power	P	
Grounding	P	
Alarm Interface	F	Summary BBU failure (required) not shown between BBU and Master amplifier.
Backup Power Calculations	P	

#### System Schematic / Line Drawings

Shows All Floors	P	
Shows All Components	I	Diagram shows equipment to be installed for "Future Enhancement", devices are shown as connected and live in diagram. All devices installed, including inactive devices or segments must be assigned unique identifier which is to be shown in all graphic images.
All Components Labeled	F	
Calculated Power Shown	F	

#### Link Budget Report - Tabular Power Calculations

<b>Power Projections</b>		
Measured Downlink at Donor	-	Calculated Values Used

**Calculated Downlink at Donor**

Primary Cell	P
Secondary Cell	P
Mutual Aid	P

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#### Calculated Downlink at DAS

Primary Cell	!
Secondary Cell	!
Mutual Aid	!

Insufficient data details to confirm.  
Does not conform to Apprndix B para 9 & 10.

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#### Uplink Calculations

Calculated Internal Levels	!
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Insufficient data details to confirm

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#### Calculated ERP at Donor Antenna

Primary Cell	F
Secondary Cell	F
Mutual Aid	F

1. Incorrect Donor Antenna Gain value used.  
2. Uplink gain values shown exceed maximum limit (65dB).

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#### Freespace Path Estimates

Primary Cell	P
Secondary Cell	P
Mutual Aid	P

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#### Estimated Received Level at Donor Site

Primary Cell	F
Secondary Cell	F
Mutual Aid	F

See "Calculated ERP at Donor Antenna"

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All Levels	P
All Components	P
All Labels	P

#### Floor Plans

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For All Floors	P
For All Assigned Cells	P
Acceptable Accuracy	!
Appropriate Levels	P

#### Heat Maps

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P
!
F

Passed / acceptable submittal  
Acceptable with qualifications (see remarks)  
Unacceptable or omitted information

## ERRCS Materials Data Checklist

Date Reviewed:	11/30/2022	
Project Identifier:		INC0032933
Engineer:		B. Cobb
Project Name:		Volar Building A
Site Address:		2171 Campus Dr.
City:		Irvine
Fire Jurisdiction:		OCFA / Irvine PD
Contractor		
	Company:	Leaf Comm
	Contractor Contact:	Leaf Comm
	Email:	Kaitlyn Lyons
	Filename:	VOLAR APARTMENTS_100% CD_10-24-22.pdf

	Pass/Fail	Remarks
Cover Page	-	
Materials List	F	Quantities do not match project description. System may require external filter to achieve Band 14-ESMR rejection requirements.
<b>Data Sheets</b>		
Amplifier	P	
Remote Unit(s)	P	
BBU	P	
Batteries	F	Incorrect product for BBU provided.
Donor Antenna	P	
DAS Antenna(s)	P	
Coax	P	
Fiber Optic Cable	P	
Connectors	P	
Antenna Support	-	
Ground kit(s)	P	
Surge protector(s)	P	
AC Service Disconnect Device	P	
Auto Dialer	P	
FACP / System Status Display	P	
Enclosure(s)	P	
Taps-Splitters	P	
Other		

P	Passed / acceptable submittal
!	Acceptable with qualifications (see remarks)
F	Unacceptable or omitted information