

Santa Cruz County
691 ocean st
Santa Cruz CA 95060
Radio Shop
831-454-2025

REGISTRATION
**BDA/DAS Installation for In-Building Public
Safety Radio System Coverage**

Do NOT transmit from Donor Antenna without prior authorization from Santa Cruz Radio Shop

SECTION 1: Requesting Party Information

I hereby request to register a BDA/DAS for in-building public safety radio system coverage, according to the specifications below:

Requestor Name/Company: _____

Requestor Email: _____

Phone Number: _____

Date: _____

SECTION 2: Information to be provided by Building Owner or Designee

1. Company and/or building name: _____
2. Address: _____
3. Contact name for building owner: _____
4. Daytime phone: _____
5. Email address: _____
6. 24 hour emergency contact name*: _____
7. 24 hour emergency contact number: _____
8. Location of equipment in building (floor and room): _____
9. Designed by: _____
10. Installed by: _____
11. Tested by (Company/Technician): _____
12. Make/Model: _____
13. Antenna type (panel, yagi, omni, etc.): _____
14. Antenna gain (dBd): _____
15. ERP to donor site (dBm): _____
16. ERP Measurement of intermodulation products at 10kHz measurement bandwidth: _____
17. ERP measurement of noise within the passband at 10 kHz measurement bandwidth: _____
18. ERP measurement of noise spectrum more than 1 MHz outside of the passband at 10 kHz measurement bandwidth: _____
19. Spurious emissions from signal booster measurement within any 100 kHz measurement bandwidth: _____
20. Antenna coordinates (NAD83): _____
21. HAAT (feet) and exact location on the roof or building: _____
22. Date commissioned (first turned on): _____
23. Projected signal level at donor site (-dBm): _____
24. Measured signal level at donor site (-dBm): _____

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25. Measured signal strength from the native system on all exterior walls of the North, South, East and West sides of the building (-dBm):
North: _____ South: _____ East: _____ West: _____

26. Measured signal strength delivered by the BDA on all outer interior walls of the North, South, East and West sides of the building (-dBm):
North: _____ South: _____ East: _____ West: _____

27. BDA Squelch Setting: _____

28. Per Channel Bandwidth (minimum 25 kHz): _____

29. BDA Delay (please also indicate if delay is a setting or an engineered number): _____

30. Donor Antenna Azimuth: _____

31. Donor Tower Name and Donor Cells (do not use ECOMM/Walsh*): _____

32. Loaner Radios Needed on Date of Optimization: _____

33. Optimization Technician Name and Phone Number: _____

* If at any time during or after installation the BDA/DAS system negatively impacts the Silicon Valley Regional Communication System, the building owner will be required immediately to turn off the malfunctioning BDA/DAS, until correct functioning is restored.
* Do not use ECOMM/Walsh until further notice.

SECTION 3: Information that will be provided by Santa Cruz Radio Shop to Building Owner or Designee

Upon receipt of the completed form, the Santa Cruz Radio Shop will provide the appropriate frequencies and donor site location info based on the installation sites provided.

INSTRUCTIONS FOR SUBMITTING THIS FORM

Items 1 through 33 on the "REGISTRATION" form are completed by the customer.

Forms can be emailed to Santa Cruz Radio Shop at Fred.berge@santacruzcountyca.gov

NOTE REGARDING DESIGN LOCATION AND INITIAL ACTIVATION OF NEW BDA/DAS SYSTEMS

New BDA systems must obtain donor location approval from Santa Cruz County Radio Shop and may require donor re-orientation if located within close proximity of other existing BDA systems.

Coordination with the Local Jurisdiction Public Safety Communications or Fire Department is required before a new BDA/DAS system is turned on for the first time. Arrangements must be made with the local authorities.

If at any time during or after installation the BDA/DAS system negatively impacts the Santa Cruz County Communication System, the building owner will be required immediately to turn off the malfunctioning BDA/DAS, until correct functioning is restored.

The Authorization to Repeat Frequencies must be posted with the BDA equipment onsite.