



Plan for A8 Repeater V5

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Outline

- People
- Key Topics
- Repeater Build Steps
- Location
- Antenna
- Questions/Actions



People

- Bob Lanahan
- Dave Ping
- Albert Leong
- Mike Worshum
- Hila - RF testing
- Facility/Safety Review for A8
- Phone line folks?
- Network folks?

Key Topics

- Build an RF description, 10 watts output power
- Test frequency approved
 - 446.88 Out, 441.88 In, PL 67 or 110
- Mike doesn't need to sign, is a test pair
- Get the ok to install a repeater
- Update the repeater via phone line. We share the room with the security repeater, they might have a phone line, but not one for this repeater
- Could add an isolator, but used it for years without a problem (Talley.com \$600)

Repeater Build Steps

- Modify connector
- Program the repeater board
- Modify the radio cover for the rack
- Move equipment to A8, Air Handler room
- Install the equipment
- Test the equipment
- Hila RF tests
- Approval to operate, from Hila, anyone else?

Location

- In the air handler room on the roof of Building D8
- Share room with Security repeater
- Antenna is installed (next page)
- Primary power is there
- Backup power is there
- Not planning for battery backup yet
- Access Control – likely is a key. Need facility escort.

Antenna

- This is the 2m, 220, 440 antenna on A8
- It has ½" Heliax running from it to our designated repeater location in the air handler room
- We have antenna and cable performance measurement data
- Determine distance from people for RF safety 10 watts, shouldn't be an issue





Questions/Actions