

CBC-FORTUNE-R1

At the CBC Transmission tower

Location: 400 Dunlop Rd, Chelsea, Quebec J9B 2N3

Type: PoE-powered, with generator backup, high-elevation mountain repeater

Role: City-wide Backbone Repeater

Antenna: Sseed Studio 902-928 MHz 8 dBi

Height: 15 m AGL, on the highest point in the National Capital Region on the roof structure of the tower two floor building.

CBC001

Notes:

Hears almost every repeater in the city and carries more traffic than any other node on the mesh

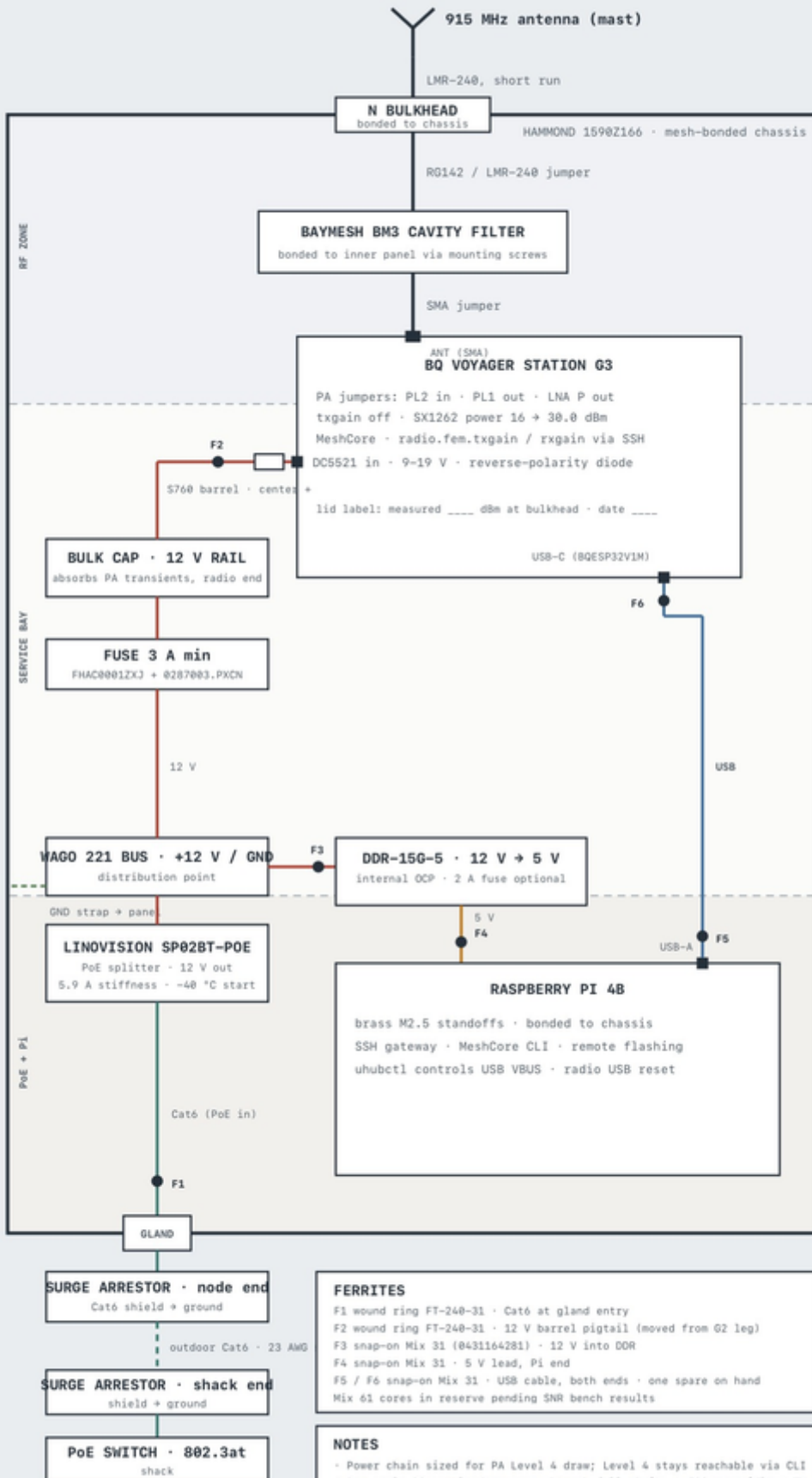
Built entirely from high-end parts to cope with the level of FM broadcast energy at the site

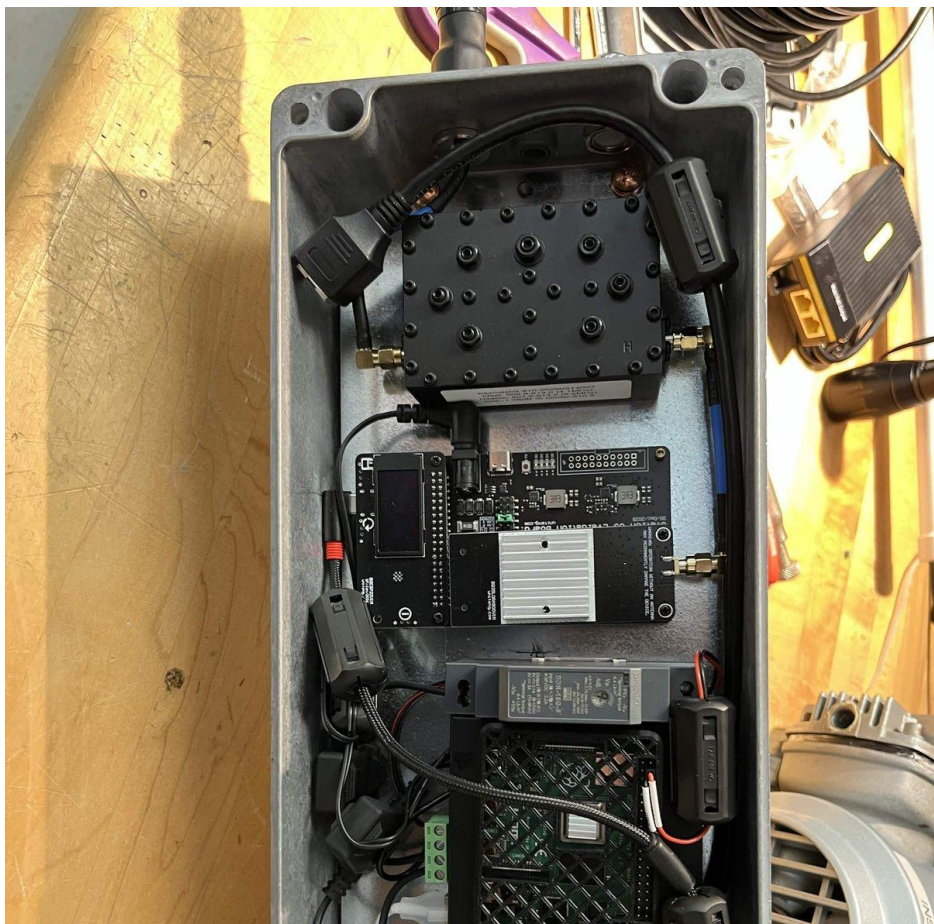
Current build is a Station G3 at 1 W behind a Baymesh filter, PoE powered, with a Raspberry Pi in the enclosure for remote management

The first build used a solar Ikoka; its MCU kept restarting, which we attribute to RF interference at the site

STATION G3 · WIRING DIAGRAM

Camp Fortune (Ryan Tower) · Hammond 1590Z166 · vertical pole mount, RF end up · Aug 2026 · pre-verification draft





The repeater was built by MrAlderson, and installed on Shawn's test equipment space on the roof, with the help of Tabarnak (the Silo man)

Contact: MrAlderson or Shawn <https://meshcore.wiki.gd/books/people/page/shawn>

Revision #5

Created 2026-09-24 01:57:08 UTC by Shawn

Updated 2026-10-02 14:41:58 UTC by Shawn