

Radio Activity in the Interior of Alaska

**** NOTE:** AARC will undergo an equipment refresh in the summer of 2022. Ester Dome and Pole Hill repeaters are going to be refreshed (to Bridgecom Systems), and will be linked together via 220 Mhz. Stay tuned!

ESTER DOME: 146.880, (-) Offset, PL Tone 103.5

- **AARC's Flagship Interior Repeater**
- Antenna: Station Master
- Power Output: 20 Watts
- Elevation: 2200 ft.

EIELSON AFB: 147.120 (+) Offset, PL Tone 103.5

- **AARC Repeater**
- **** **DOWN** **** (Operation expected in spring/summer of 2022)
- Located at "Pole Hill" on the Eielson AFB training range
- Elevation 2500 ft.

UAF: 146.940, (-) Offset, PL Tone 103.5

- **AARC Repeater**
- Located on the UAF Campus.
- Antenna: (Unknown make/model)

[Individually Owned Repeaters or Internet Nodes \(+ other fun\)](#)

Farmers Loop (KL7EDK): 147.300, (+) Offset, PL Tone 103.5

- Stand-alone repeater
- Open to all Amateurs
- Antenna: Diamond X-500 Vertical
- Elevation: 760' ASL
- Power Output: 30 Watts

North Pole (AL6F): 145.450, (-) Offset, PL Tone 103.5

- Stand-alone repeater
- Open to all Amateurs
- Power Output: 20 Watts

Downtown Fairbanks (KL7ET): 443.300, (+) Offset, PL Tone 103.5

- [Dual-Mode Repeater](#): Analog and/or C4FM/D-Star/DMR
- [Internet connected](#)
- Antenna: Comet CA-712EF UHF
- Note: This is an actively managed digital repeater that experiments with digital modes, so at times the operation may be either C4FM, D-Star, or DMR. But Analog FM should always be working.

Gilmore Trail (KL1AC): 147.180, (+) Offset, PL Tone 123.0

- [Internet connected](#) to AllStar (typically to Node# 528521 (KL7ET))
- Antenna: Diamond F-22A, Vertical, 6.7 dBi
- Power Output: 20 Watts
- Elevation: 1500 ft

Gilmore Trail (KL7CDA): 444.400, (+) Offset, PL Tone, C4FM

- Digital C4FM only
- Internet connected to KL7ET's "XLX327A" digital cross-linking server.
- Antenna: Comet CA-712EF UHF
- Power Output: 20 Watts
- Elevation: 1500 ft

Badger Road, North Pole: 147.250, SIMPLEX, PL Tone 123.0

- Simplex (no split on this node)
- Internet connected to IRLP Node# 9109, "The Alaska Channel"
- Hosts "The Alaska Net" @ 9am daily
- Power Output: 20 Watts

Gold Mine Trail: 147.570, SIMPLEX, PL 123.0

- **** DOWN **** Estimated to be operational in late spring 2022
- Simplex (no split on this node)
- Internet connected Allstar Node
- Hosts "The Alaska Net" @ 9am daily
- Power Output: 20 Watts

Other Radio Activity in the Interior of Alaska

- **146.520** (simplex), National Calling Frequency. Lots of locals keep their radios on and monitor this frequency.
- **144.390** (simplex), APRS. Lots of hams have, and use, APRS around Alaska.

- **147.960** (simplex), Winlink RMS. Email access
 - Antenna: Diamond X500
 - 25 Watts

- **52.525** (simplex). Sometimes there is activity here. Used more in the wintertime by interior hams.

- 3.920: 6pm nightly, Alaska Snipers Net.
- 7.093 & 3.933: 8pm nightly, Alaska Bush Net
- 3.933: 9pm nightly, Alaska Motley Group