I want to create a RF link between two AREDN local mesh networks on different channels.
I want to eliminate the Internet tunnel currently used.

I have two 31dBi dishes on opposite side of a tall tower with a clear path to each local mesh.
The transceiver on each dish is set to the channel of the connecting local mesh (see diagram).

Can I simply connect the Ethernet cable of each dish transceiver back-to-back through a switch,
or do I need an AREDN device between the dishes (hAP ac Lite or hAP ac3)?

Do I need a supernode to bridge these meshes?

I have read many old forum articles and docs.
I would like your recommendation using current firmware and moving forward with Babel routing.

ch 149   25 miles   ?   29 miles   ch 176
mesh   mesh

                                ch149   ch 176

                                R5ac   R5ac   AM-5G19-120
R5ac   lite   lite
lite