



Hamilton County ARES

Simplex Test 146.46

Matthew Weber, KD9WFK 12-11-2024 1930 - 2000

Hamilton County ARES Simplex Test

Key Notes

- Height is everything. Even at 5Watts higher towers have further reach.
- Obstruction is a close second. There are some difference in signal reports between stations. Two stations talking to each other may give each other a different signal report. One station maybe lower than the other or just not have to same power available for output. Antenna's play a roll to some degree.
- Power is a close third.
- Based on the data we were able to gather from this test we can also come up with relays between stations that cannot directly communicate with one another.

Hamilton County ARES Simplex Test

Key Notes

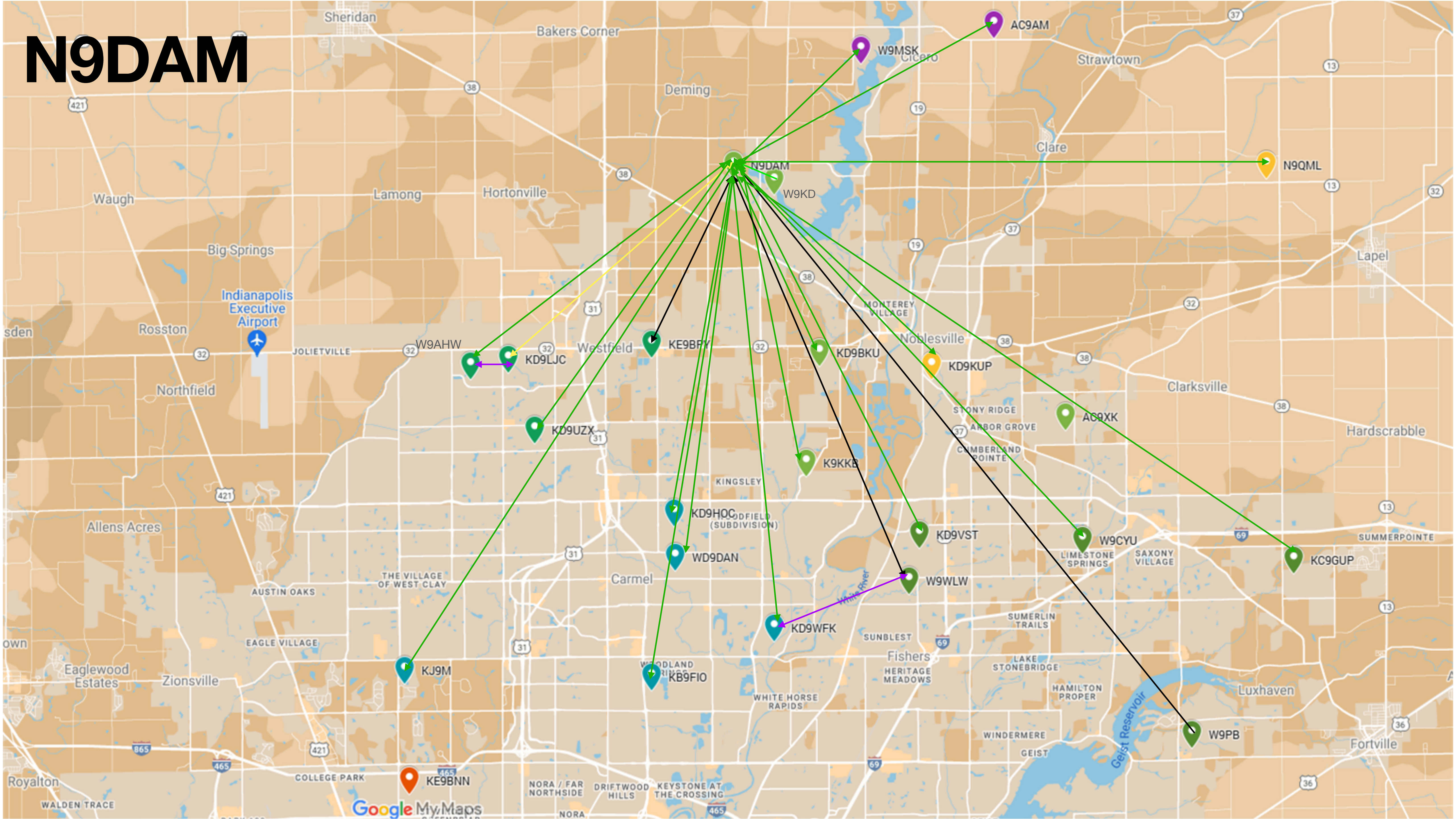
- We are also able to see gaps between stations. From we can make suggestions on how to improve some of those receptions for those stations that are having more difficulty than others.
- Paul (W9BP) was unable to hear anything during the test.
- Jacob (KE9BPY) struggled with signals back out from his station.
- Charles (KE9BNN) no signal reports.
- Alex (AC9XK) was not able to participate.
- We have one outlier KD9Y00. He was way down in Indianapolis and just so happened to have a taller than most antenna. Not a station we'd consider for Hamilton County in this situation. Possibly used as a relay into Madison County if an outage was more wide spread.

Hamilton County ARES Simplex Test

Legend

- 5 = Green
- 4 = Yellow
- 3 = Red
- Relay = Purple
- No reception = Black

N9DAM

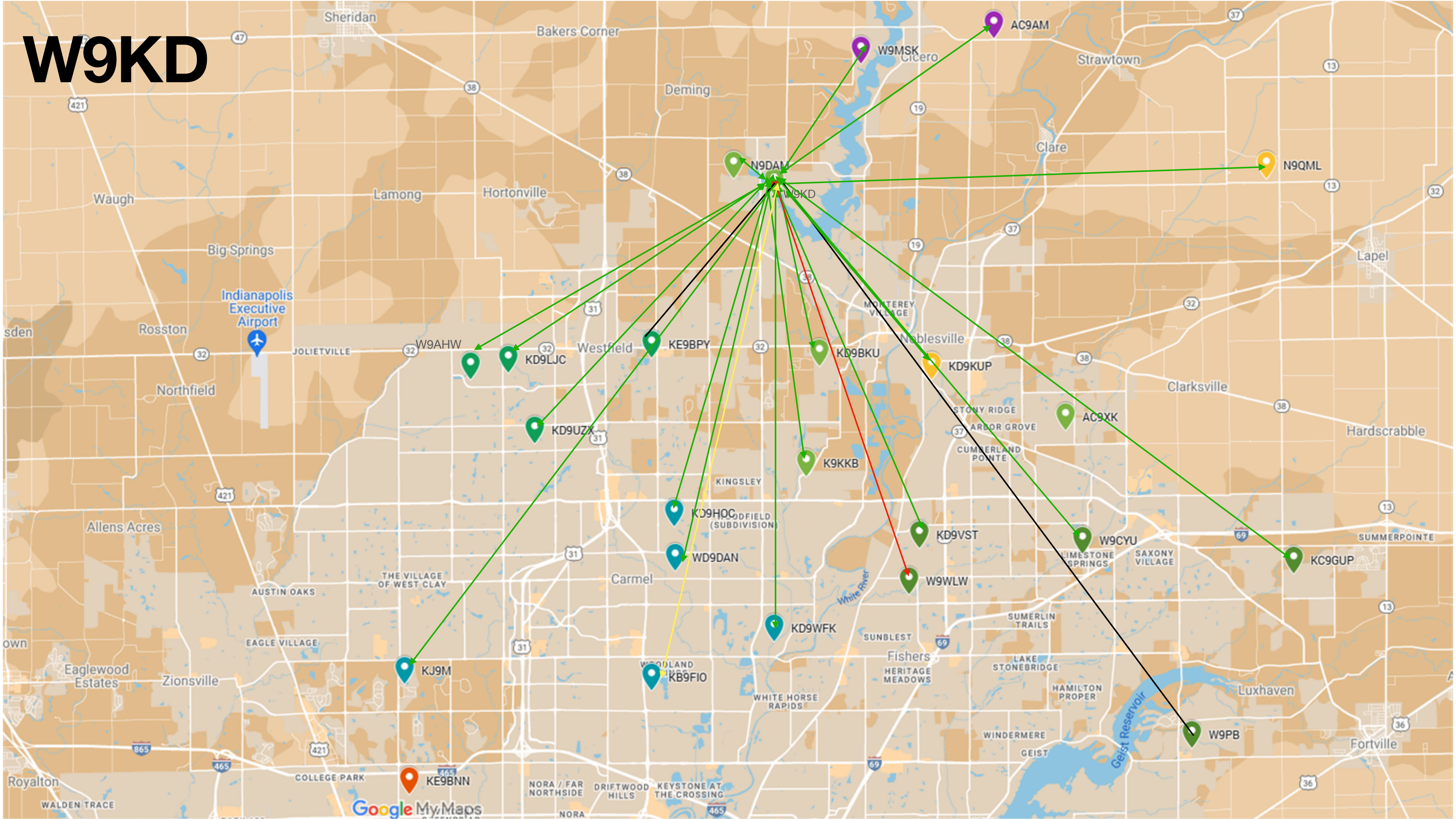


N9DAM

Station - Yaesu FTM500 Diamond X200A Dual Band 8ft

- 2 Relays were needed here
 - Andy (W9AHW) was a relay for Gary (KD9LJC) back to Dallas (N9DAM)
 - Matthew (KD9WFK) was a relay for Eric (W9WLW) back to Dallas (N9DAM)
 - There was no relay available for Jacob (KE9BPY) / Paul (W9PB)
 - This is something we can work on during the next test
- N9DAM covered most of all the stations from his base.
- Additional relays can be extrapolated based on signal quality.

W9KD

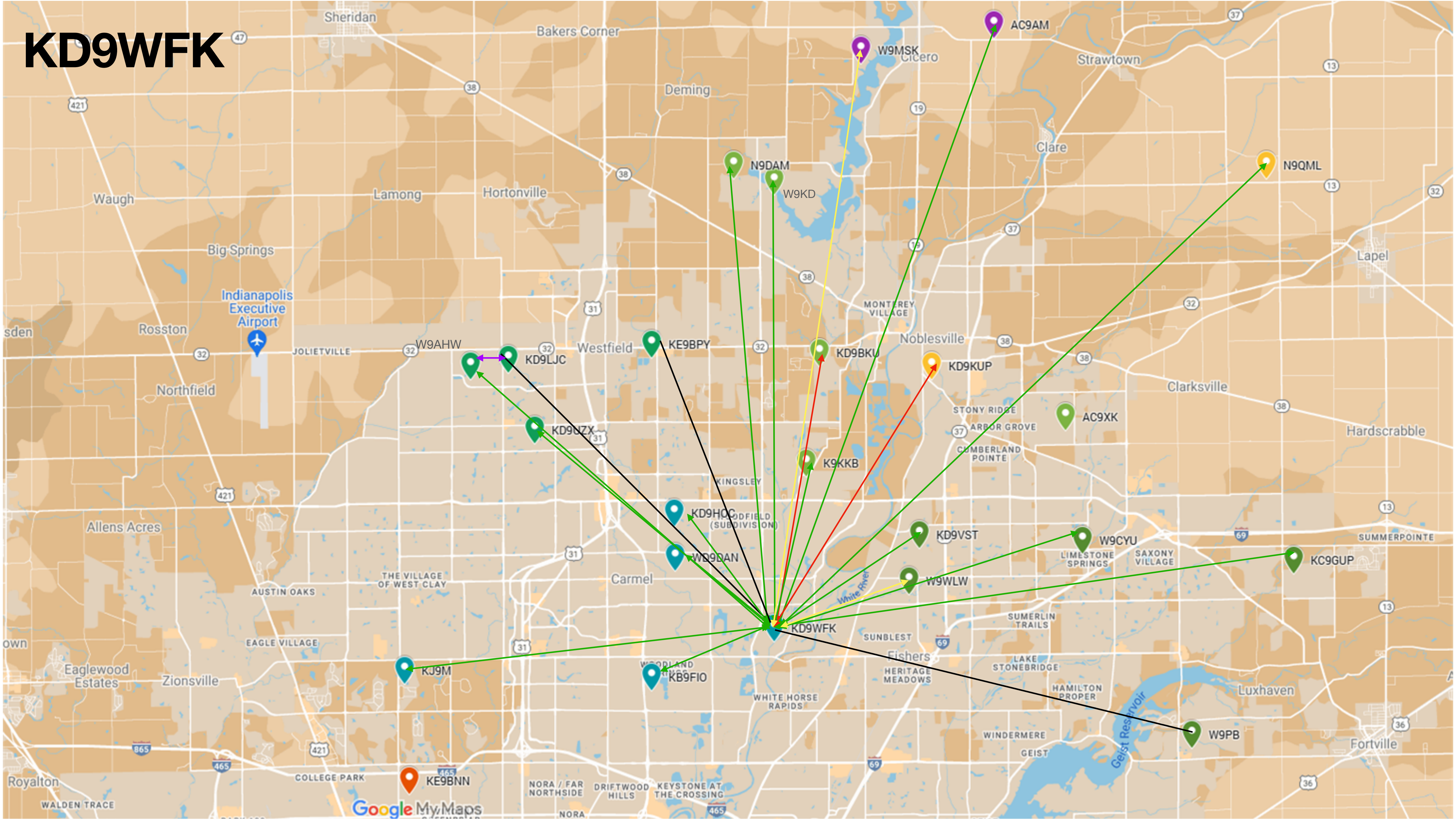


W9KD

Station - Icom IC-2720 base, Comet 2m/70cm

- No comments on any relays
- Joe (KJ9M) - 5 on his first Antenna and 4 on his second antenna
- Andy (W9AHW) - 5 on his base antenna and a 4 on his HT
- Jacob (KE9BPY) - Breaks Squelch but no audio - 1

KD9WFK

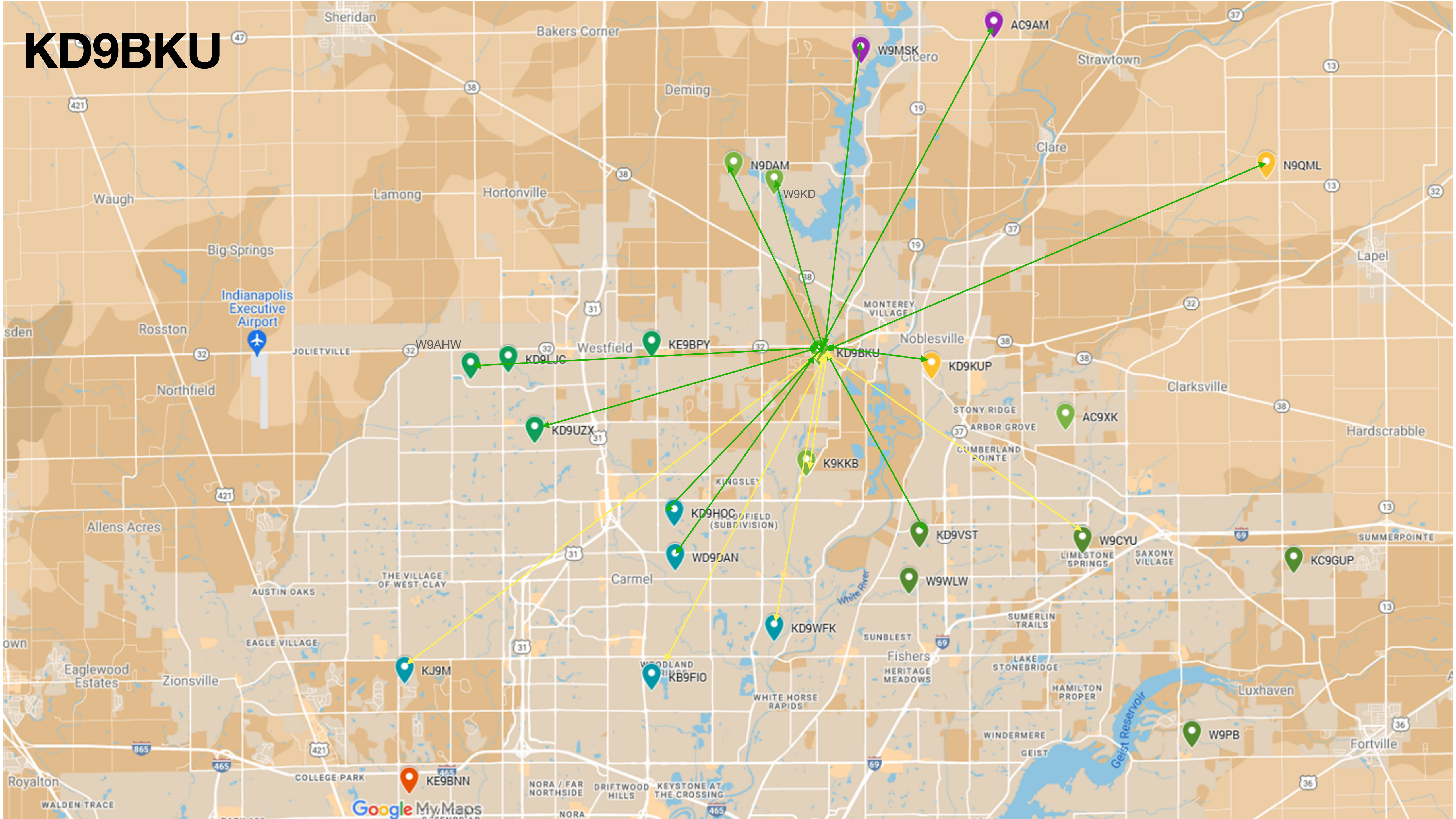


KD9WFK

Station - Station - Yaesu FTM500 Diamond X200A Dual Band 8ft

- Joe (KJ9M) - 5 on both antennas
- Eric (W9WLW) - Can be a relay for him
- Gary (KD9LJC) - Cannot hear him but Andy (W9AHW) can relay

KD9BKU

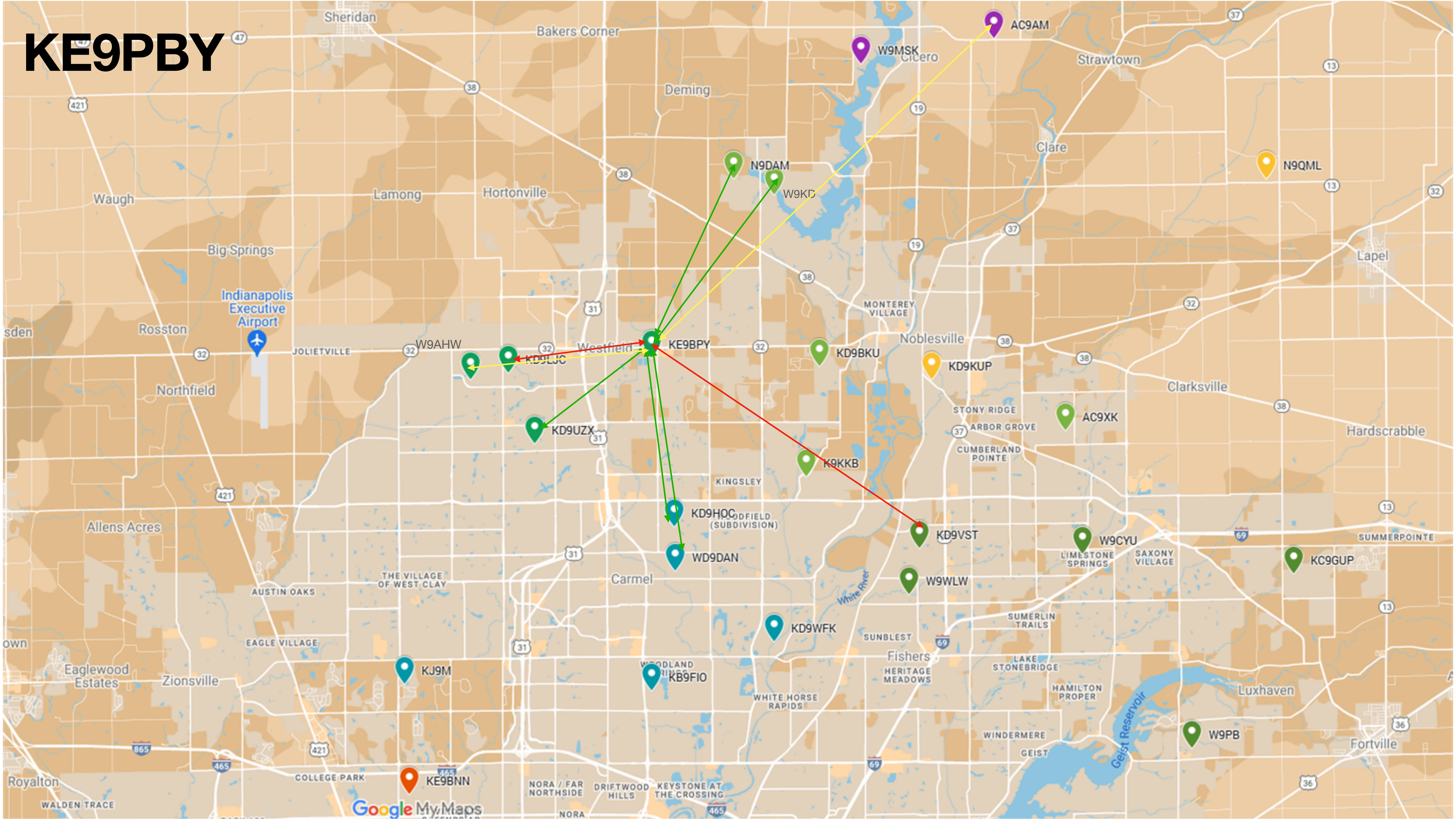


KD9BKU

Station - Wouxun KG UV920P

- Matthew (KD9WFK) has more difficulty hearing Mike than he has hearing me.
- Good relay between Matthew and Mike, Dan (WD9DAN)

KE9PBY

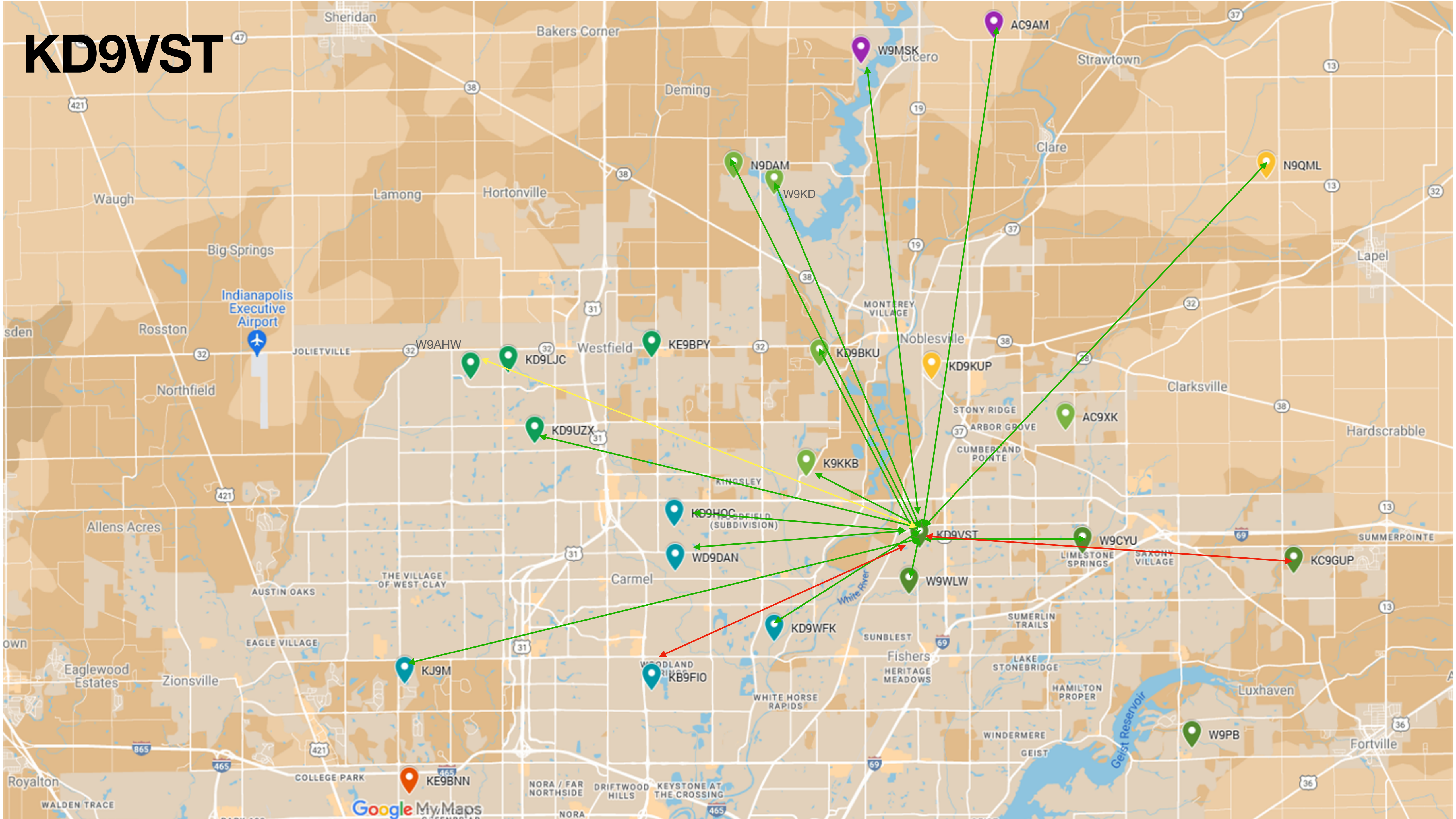


KE9BPY

Station - HT - Yeasu FT-70r with rubber duck antenna

- Can hit either close stations or the much higher stations
- Able to hit net controllers and potential net controllers

KD9VST

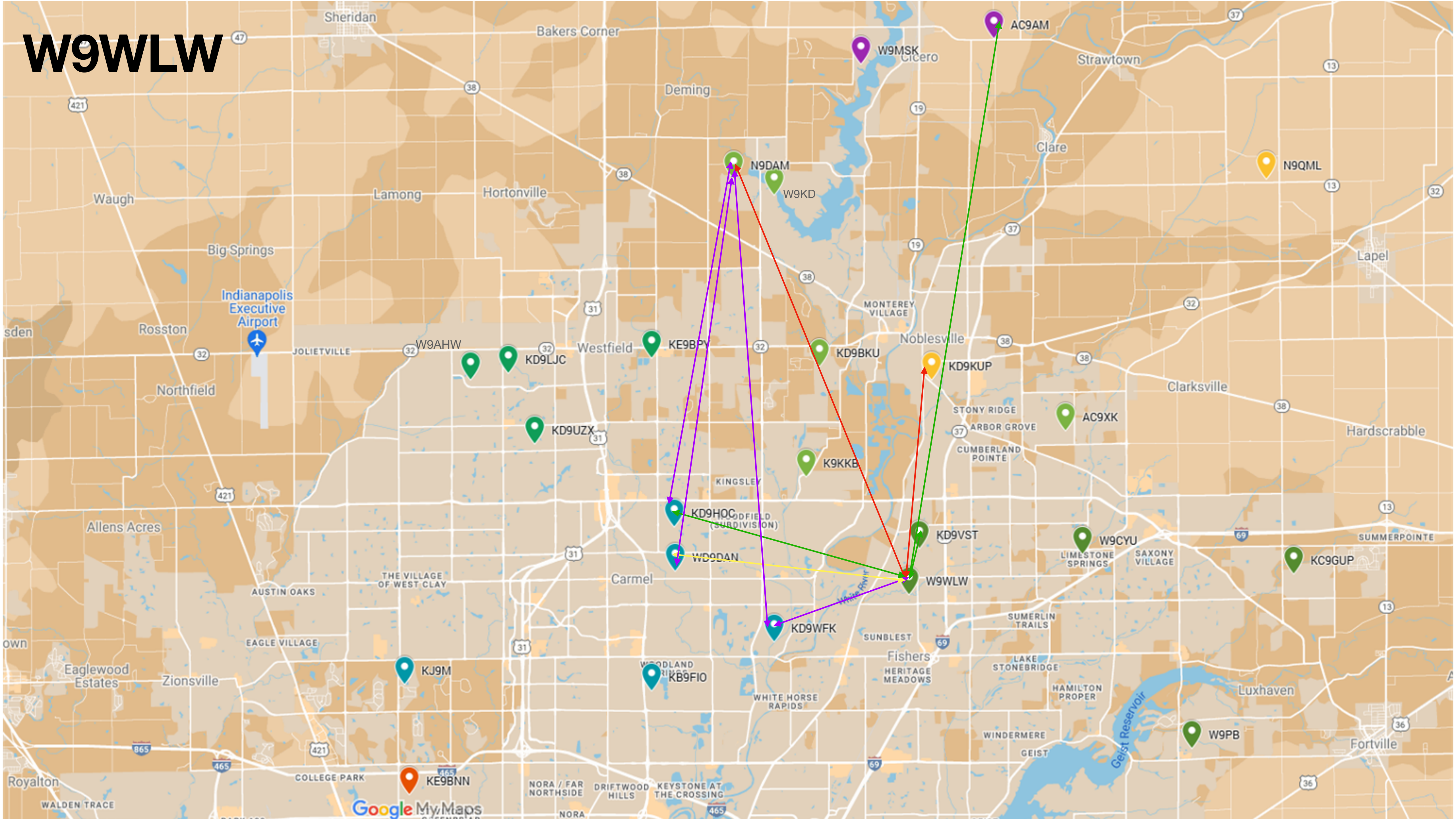


KD9VST

Station - Mobile TYT-9800 and Arrow OSJ 146/440 Open Stub J-Pole (attic mounted)

- Can relay for Eric (W9WLW)

W9WLW

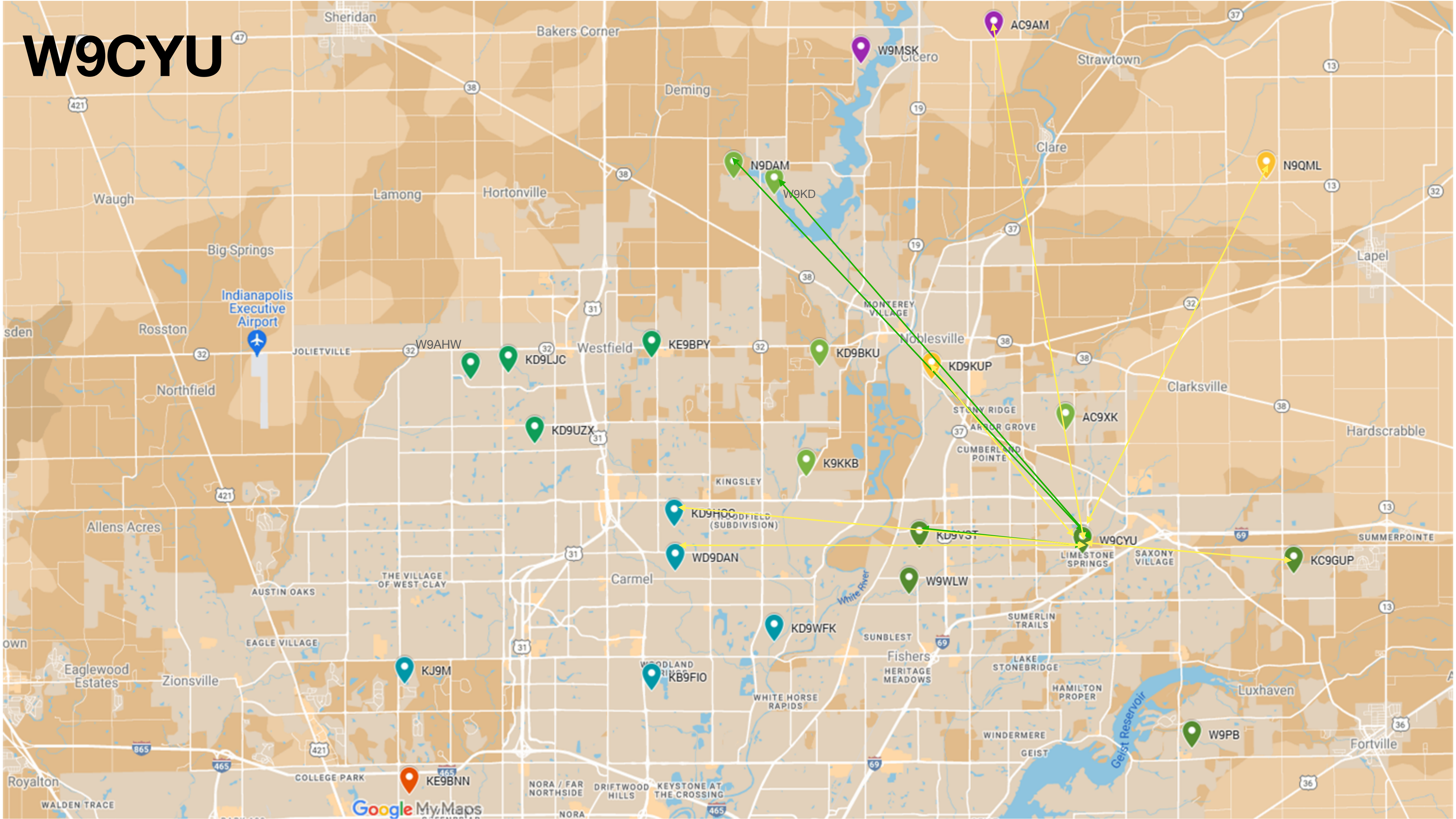


W9WLW

Station - FT-5DR

- Several relays are available to Eric (W9WLW)
- Matthew (KD9WFK) - Relay

W9CYU

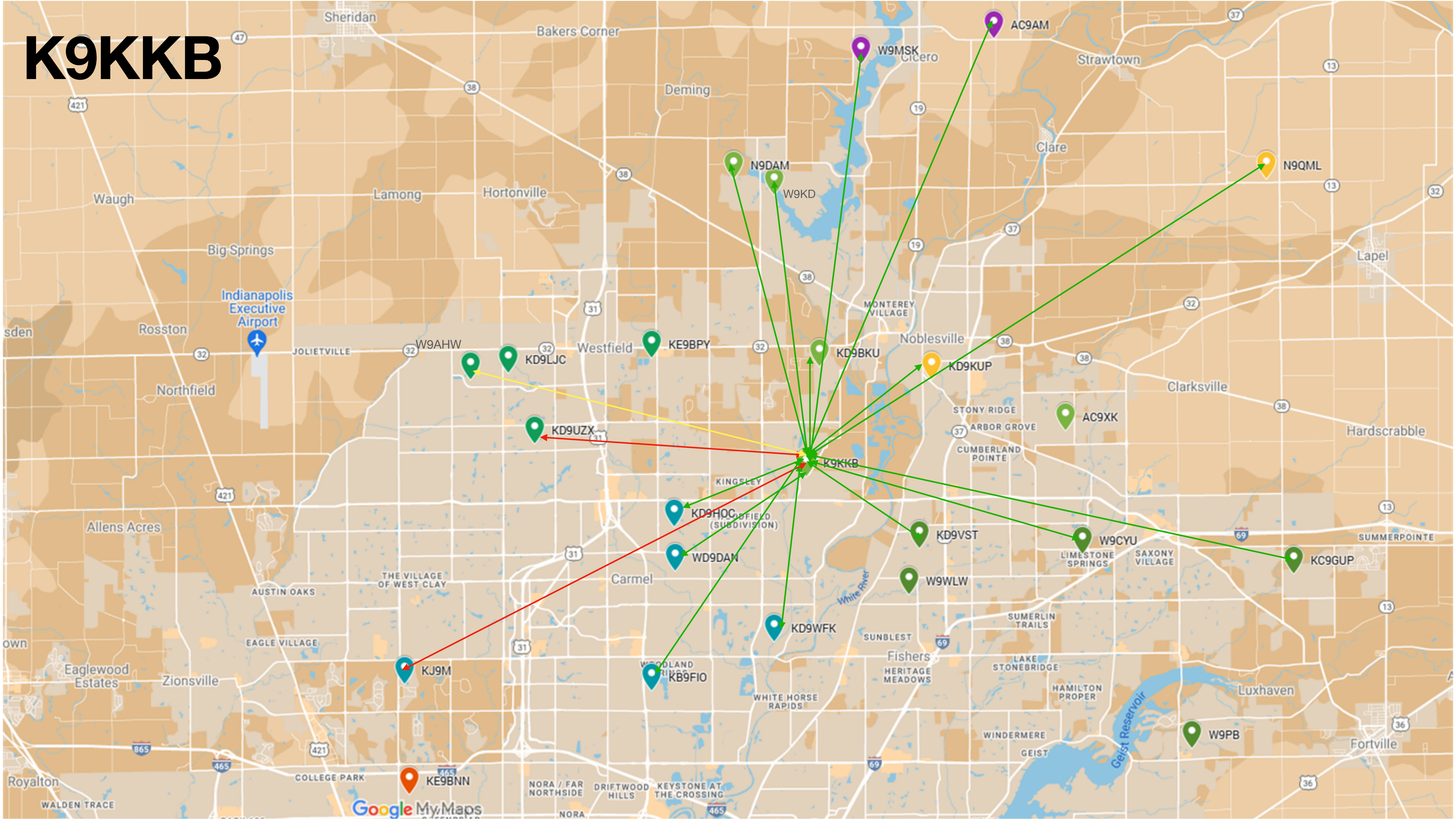


W9CYU

Station - FTM 500 with Comet SBB7 antenna indoors

- Has a great signal to everyone he's able to hear.
- Can talk with Net Controllers and potential Net Controllers

K9KKB

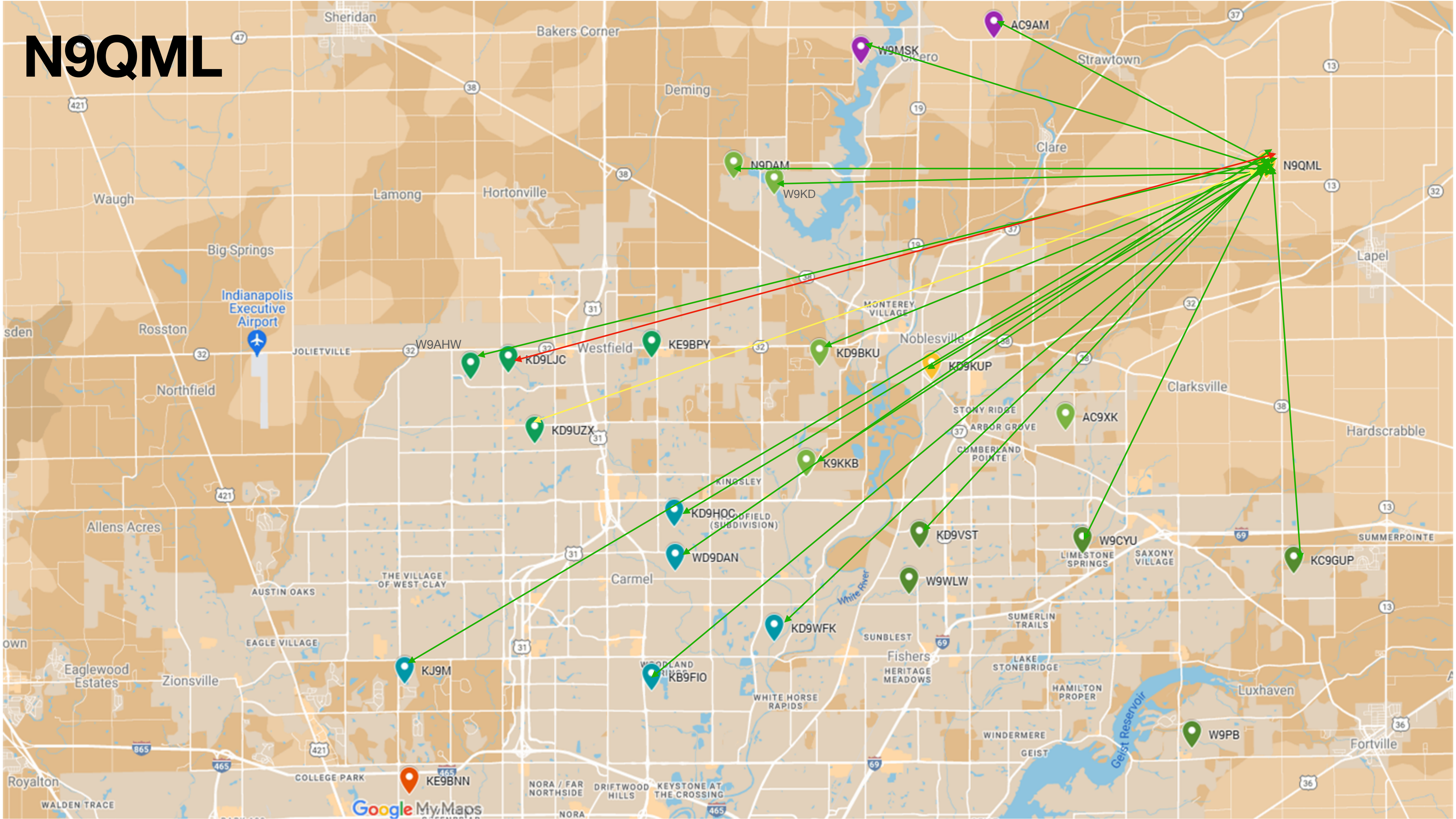


K9KKB

Stations - Yaesu FTM300

- Has a great signal to everyone he's able to hear.
- Can talk with Net Controllers and potential Net Controllers

N9QML

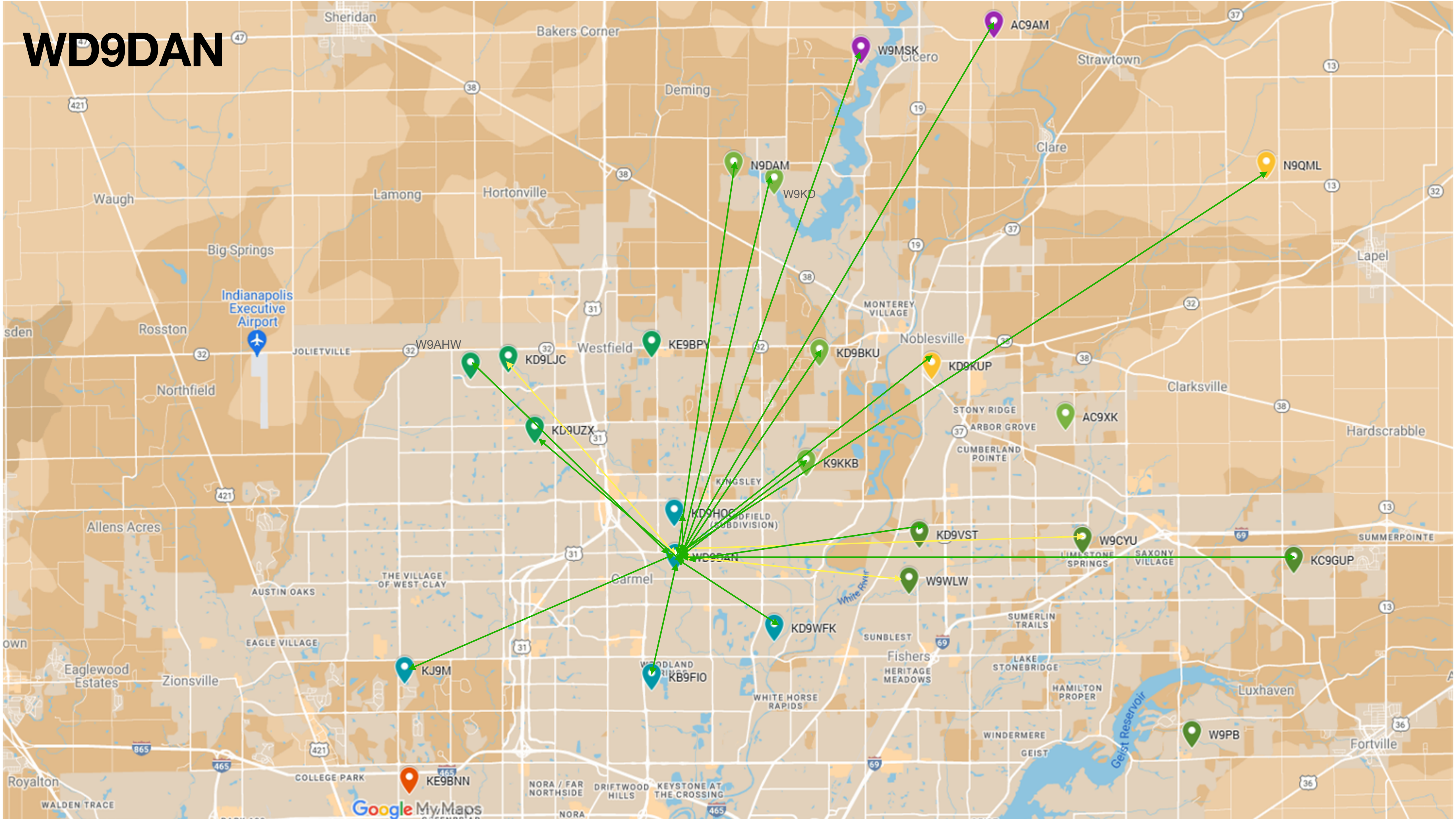


N9QML

Stations - Kenwood TM-D710G / Comet CX-333 / 40 FT / QTH Elevation: 819 FT

- Great coverage
- Could be a potential Net Controller with relays to other stations if need be.

WD9DAN



WD9DAN

Stations - Yaesu FTM-400

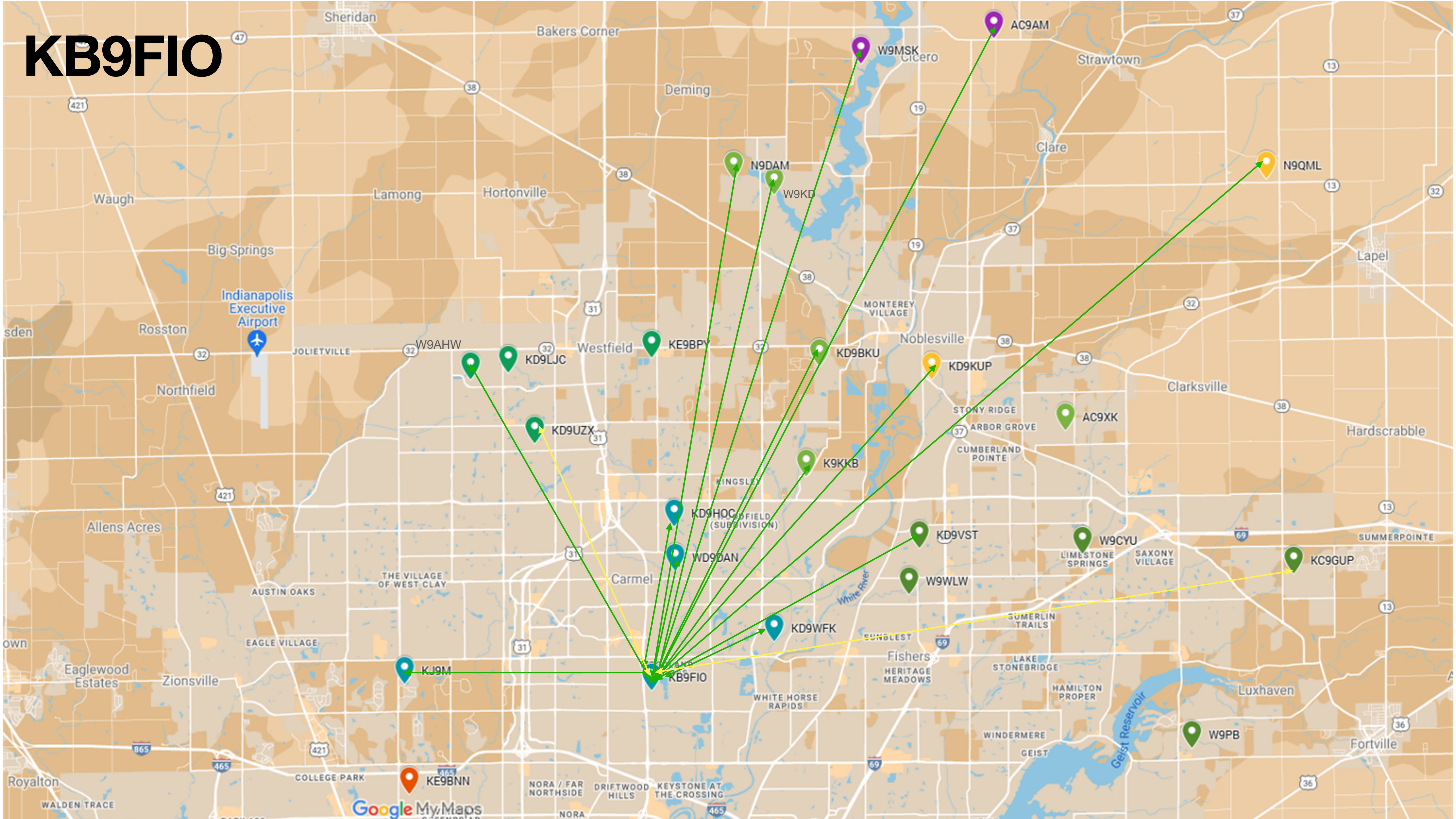
- Great coverage
- Could be a potential Net Controller with relays to other stations if need be.

W9MSK

Station - Kenwood TS-2000 with 12 Element Beam

- Can relay for Eric (W9WLW)
- Gary (KD9LJC) Not heard, then a good copy, then went away. Maybe positioning in the house for Gary.
- Jacob (KE9BPY) - not heard, just static, second S5, but can't understand.
- Not - I ran on my old Kenwood, TM-241A at 50w and into cushcraft 2m broadband boomer team antennas A13B2 at 30' pointed it at Keystone at the crossing

KB9FIO

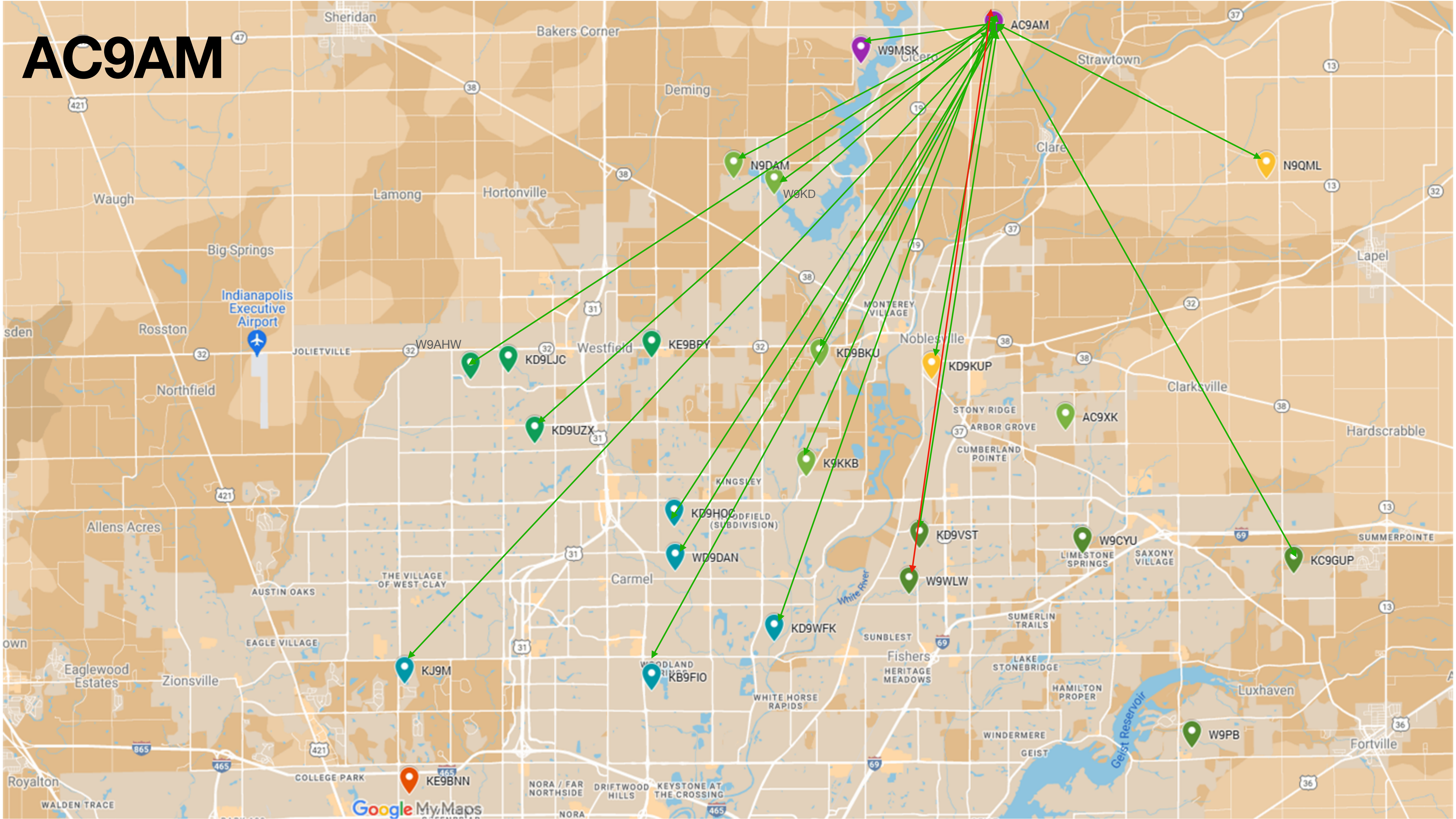


KB9FIO

Station - Icom 208H

- Great coverage
- Could act as a relay for other stations

AC9AM



AC9AM

Station - Yaesu FT897 and Comet GP-6 at 35 feet

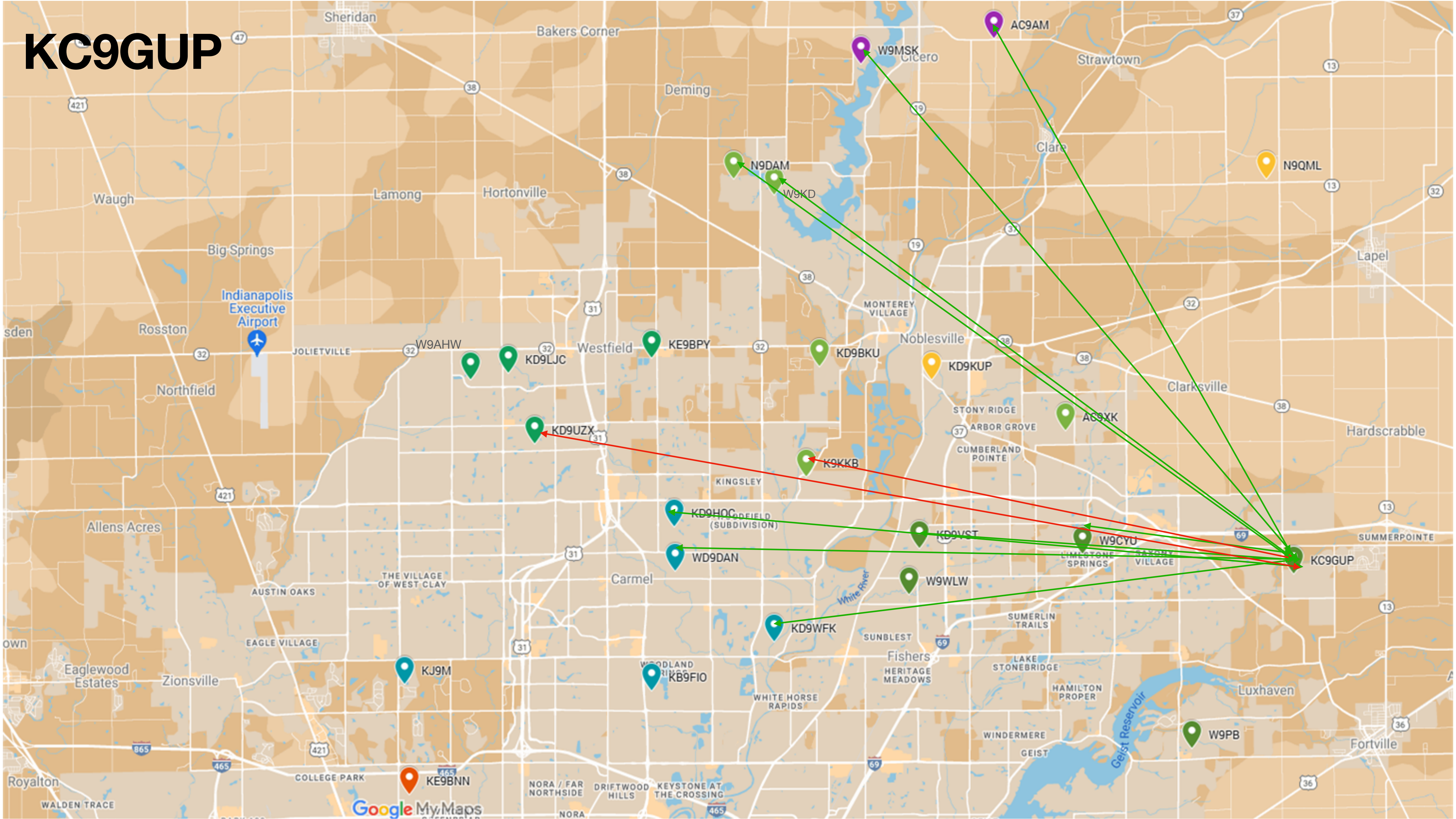
- Great coverage
- Could act as a relay for other stations

KD9HOC

Station - Base Yaesu FTM400 and Diamond Antenna

- Relay for Eric (W9WLW)
- Joe (KJ9M) - Was a 4 on the second rig
- Gary (KD9LJC) - 4 once then lost him.
- Charles (KE9BNN) - Opened Squelch
- Jacob (KE9BPY) - Opened Squelch
- Rodney (KD9UZX) - 5/5 (HT w/base antenna)

KC9GUP

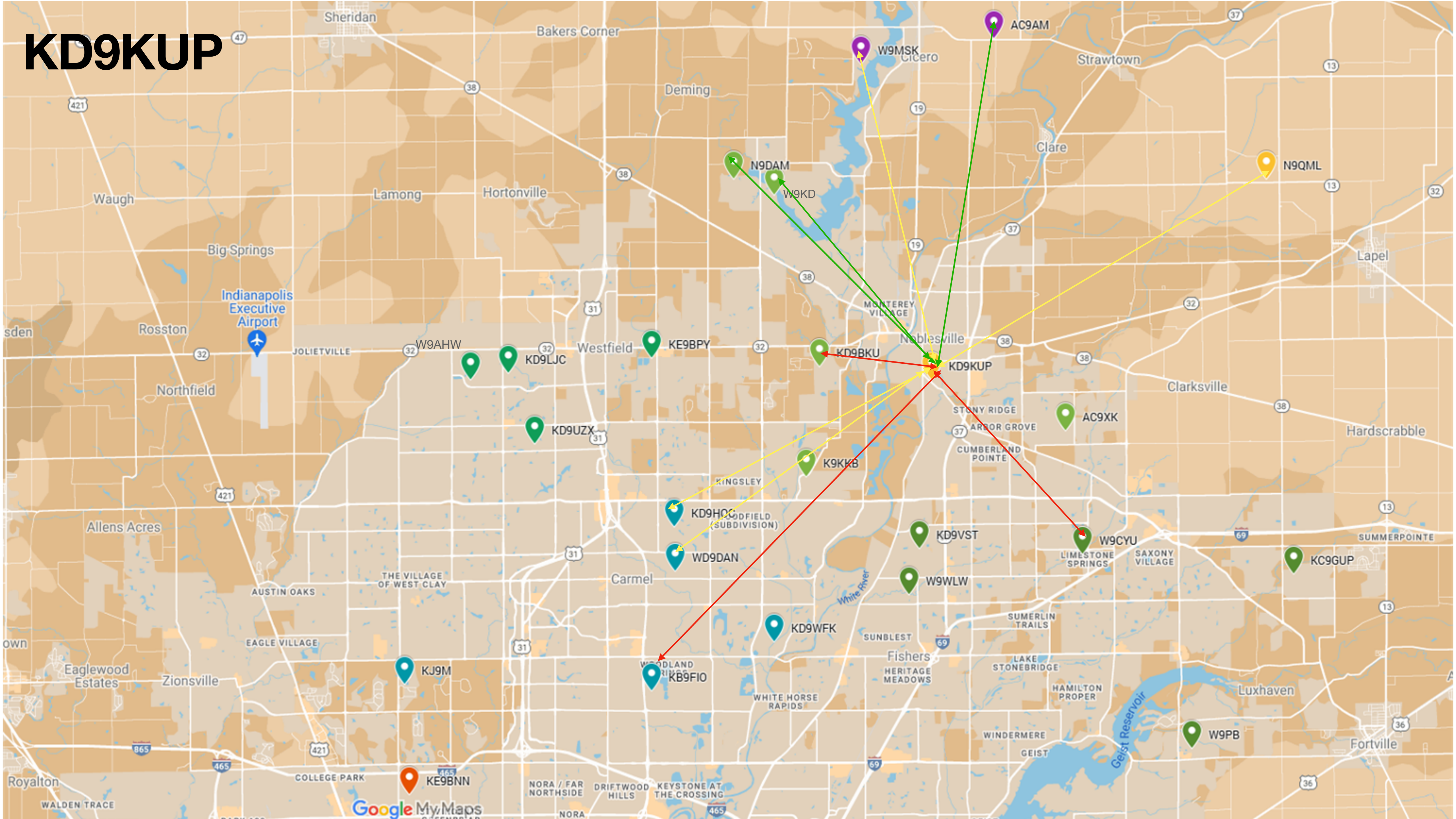


KC9GUP

Station - Yaesu 857

- Mike (KD9BKU) - Only noise
- Andrew (N9QML) - Only Static
- Kahlil (K9KKB) - 3 & 2 on Handheld
- Andy (W9AHW) - Static only

KD9KUP

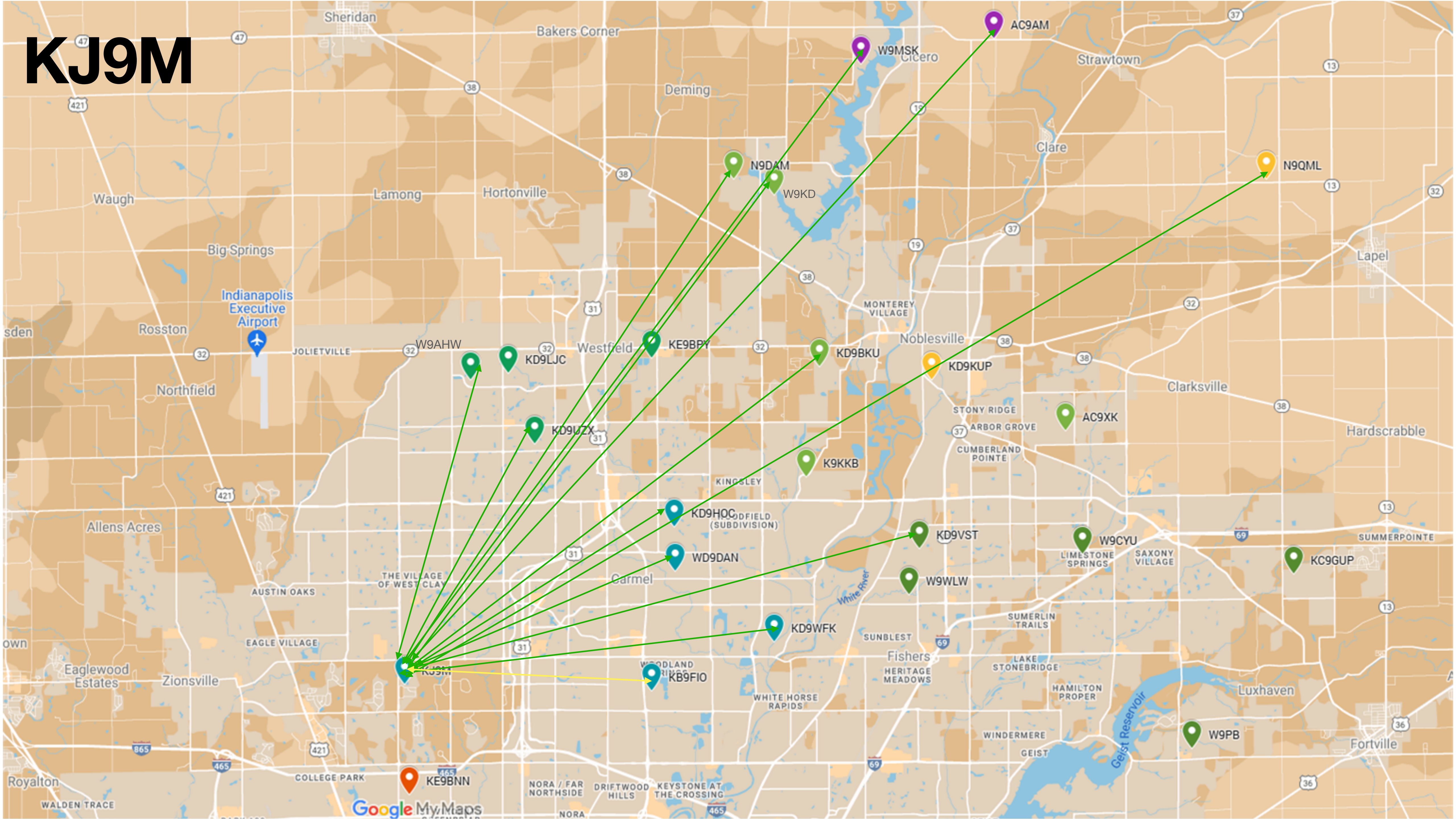


KD9KUP

Station -Yaesu FTM200-FT5D

- Can talk with Net Control and potential Net Controllers

KJ9M

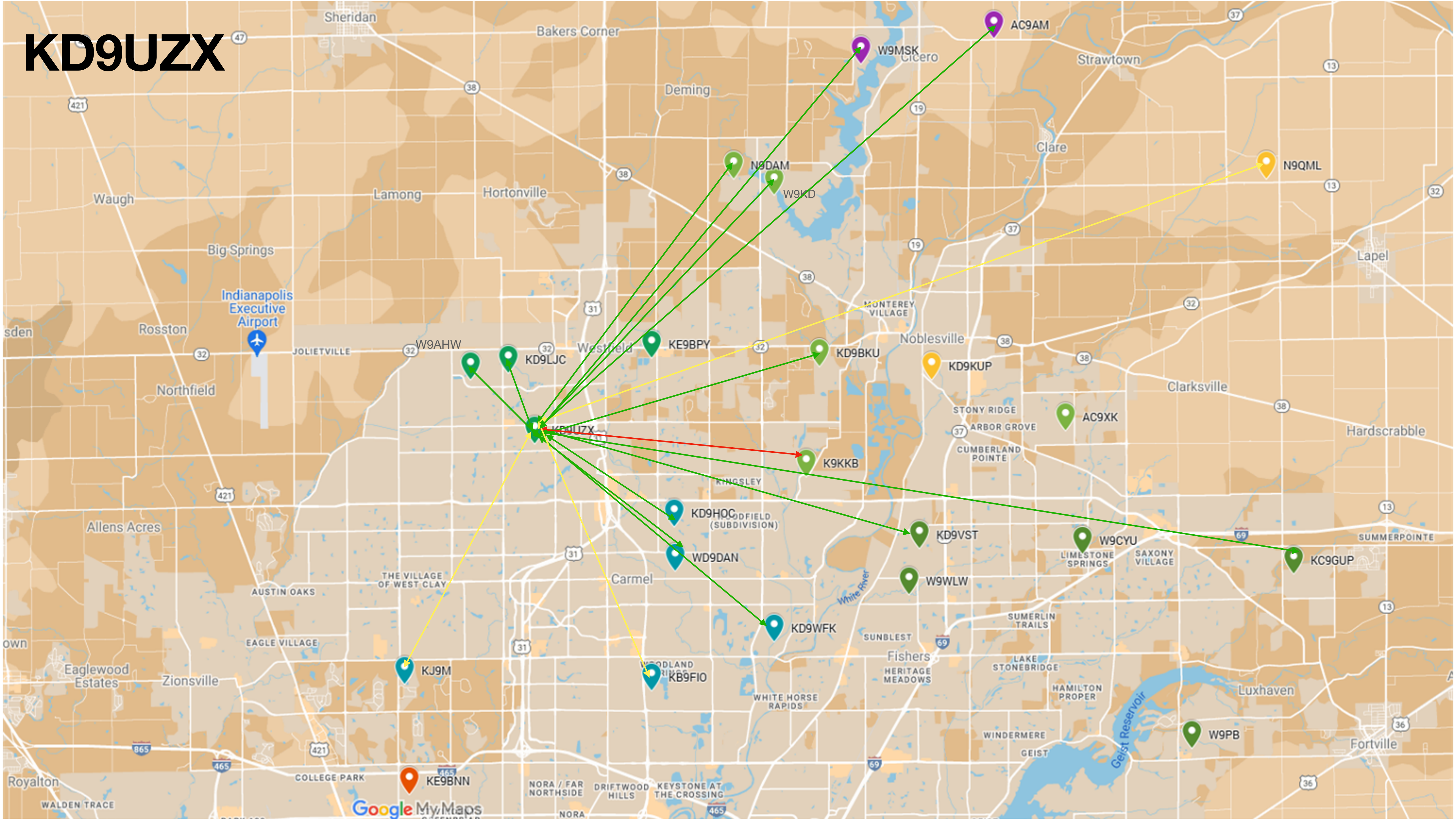


KJ9M

Station - Yaesu FT-736R

- Great coverage
- Potential Net Controller with relay to other stations
- Tested two antennas with similar reports

KD9UZX



KD9UZX

Station - Yaesu FTM200 and N9TAX J pole

- Good coverage
- Could act as a potential relay station for other stations