

# ARRL June VHF Contest

## Deep Dive Analysis

# Presentation Overview

- ▶ Participation Trends
- ▶ Year-to-Year Participation
- ▶ Geographic Participation
- ▶ QSO Analysis - Bands/Modes
- ▶ 2023 Soapbox Highlights

## Jim Wilson, K5ND

- ▶ Writer — Heathkit, 73, CQ, QST, NCJ
- ▶ Blogger — [www.K5ND.net](http://www.K5ND.net)
- ▶ Scouter — Jamboree on the Air
- ▶ VHF Contester
- ▶ Grid Chaser



# Contest Soapbox Plea

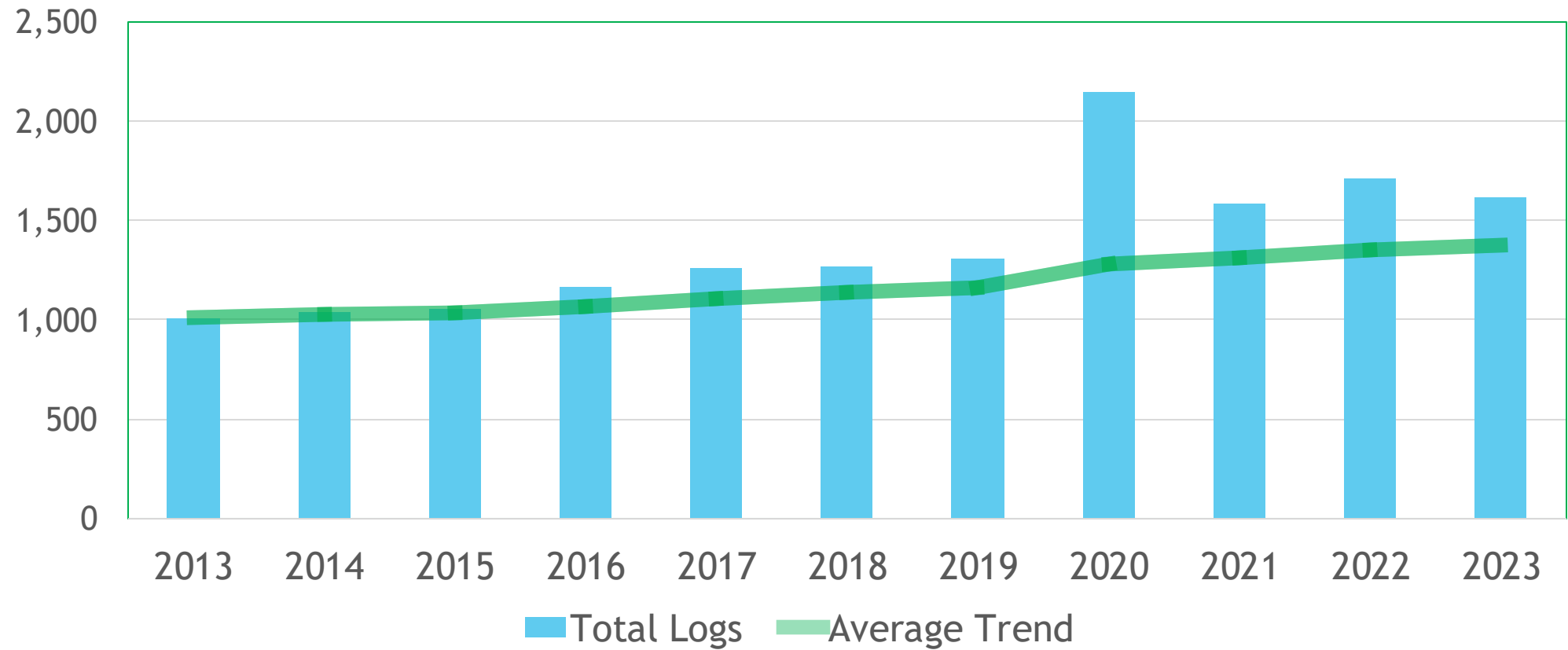


- ▶ Take Advantage of the Soapbox to Tell Your Story
  - ▶ Photos — Rovers, Antennas, Shacks, Kids
  - ▶ Best Photos Show People
  - ▶ Help the Contest Writer
- 
- ▶ Photo: W4IY, Flagpole Knob, FM08, 2023, 35<sup>th</sup> Anniversary

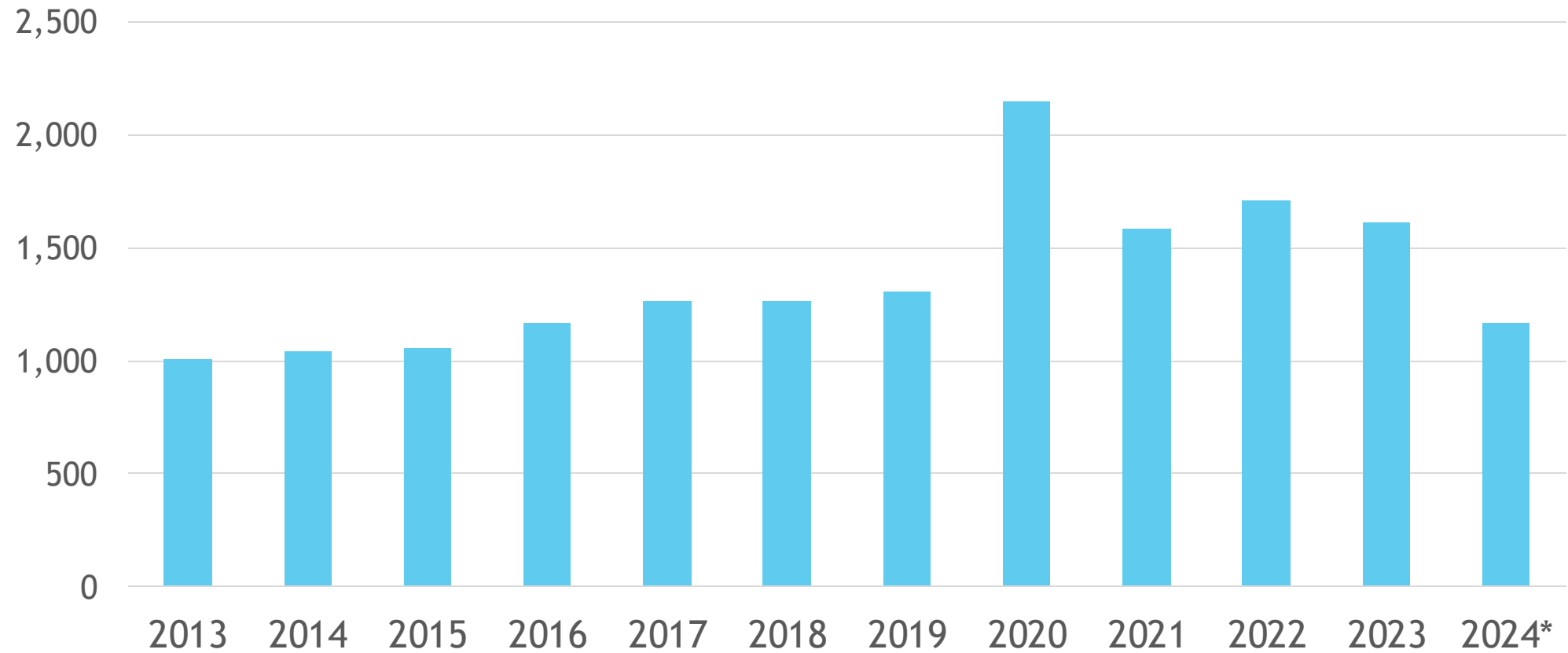
# Participation Trends

Increasing Participation  
What's up in 2024?  
Pandemic Benchmark of  
What's Possible

# Total Log Submissions

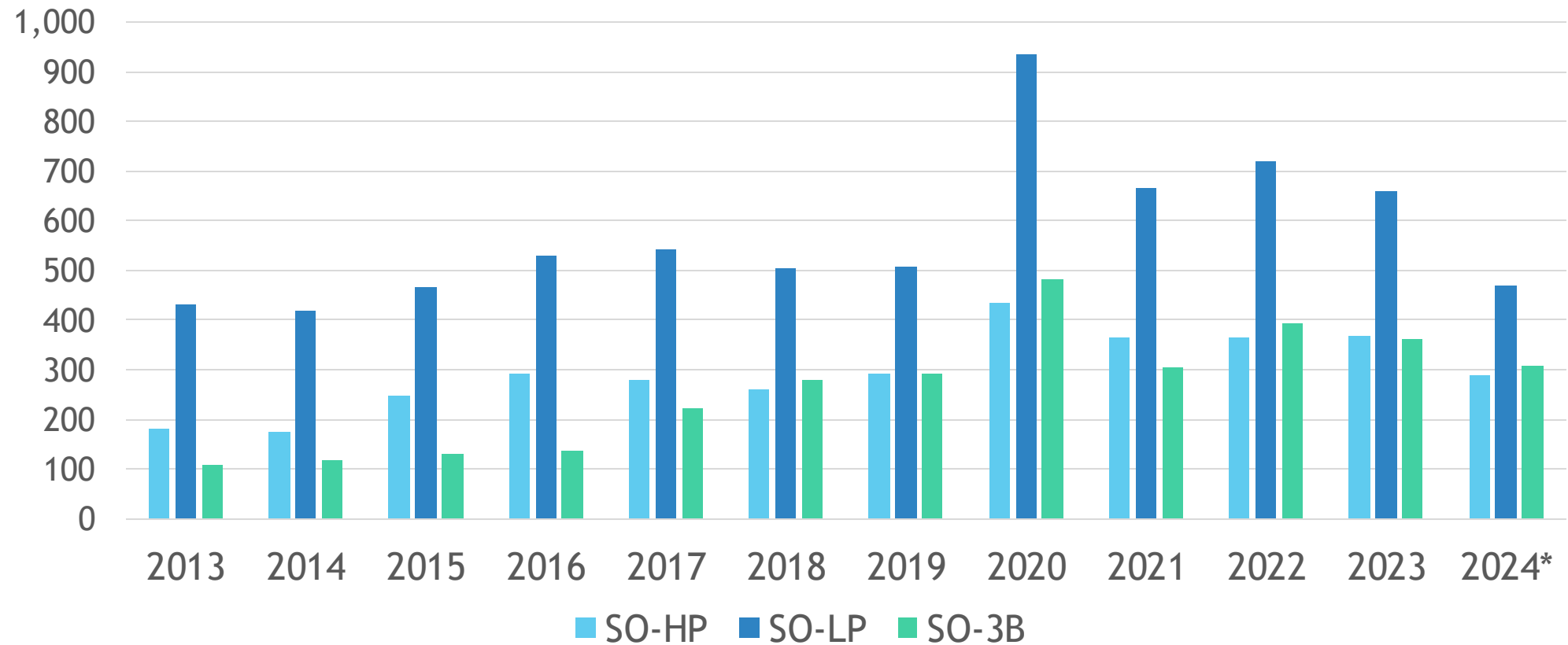


# Total Log Submissions



# Single Operator Category Trends

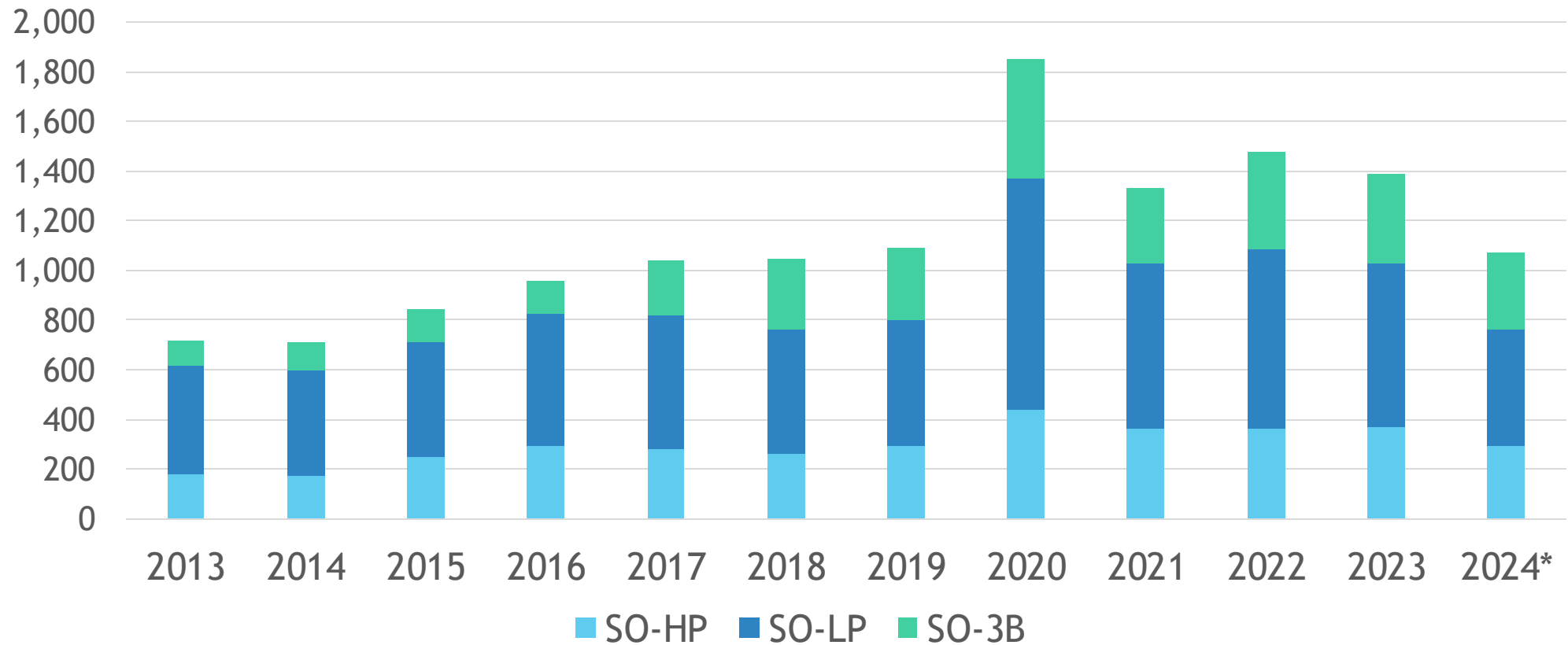
Combined Mixed and Analog Entries 2022-2024



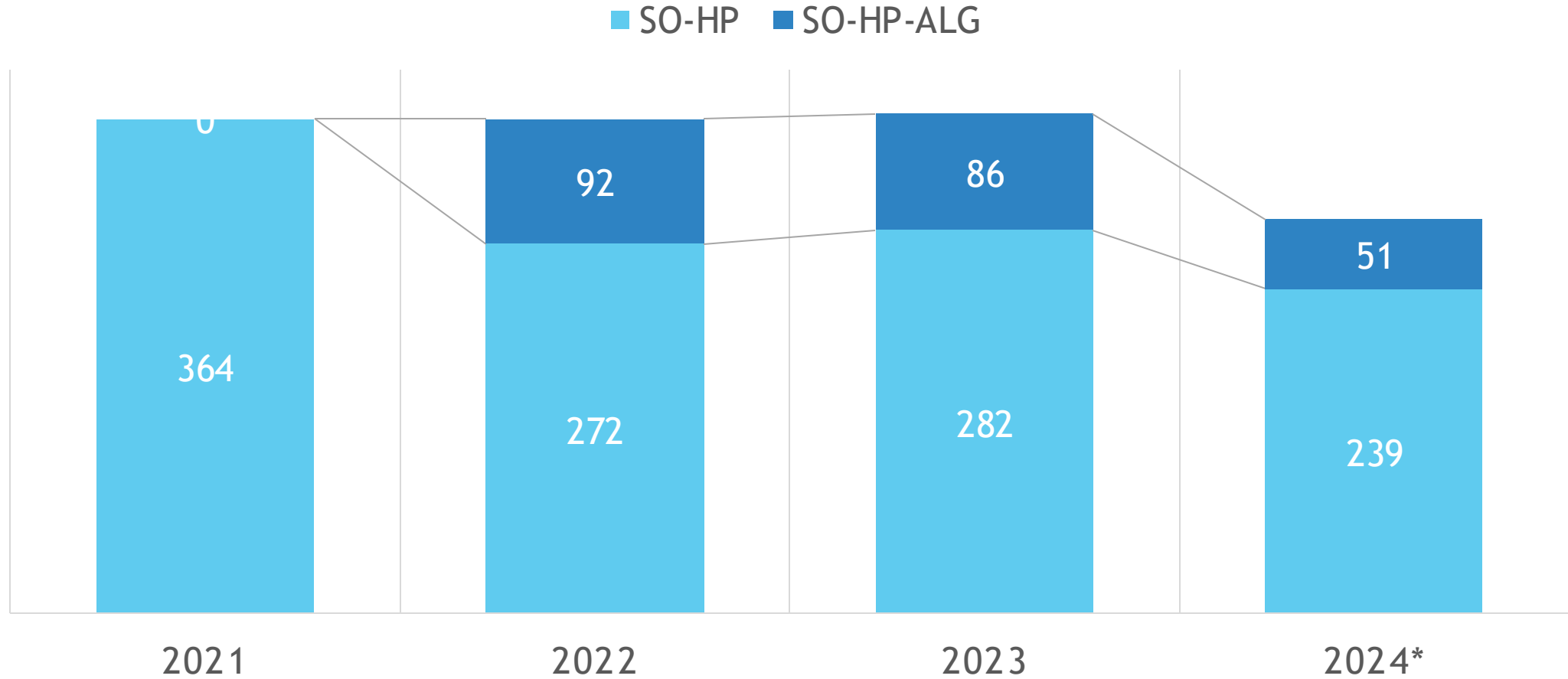


# Single Operator Category Trends

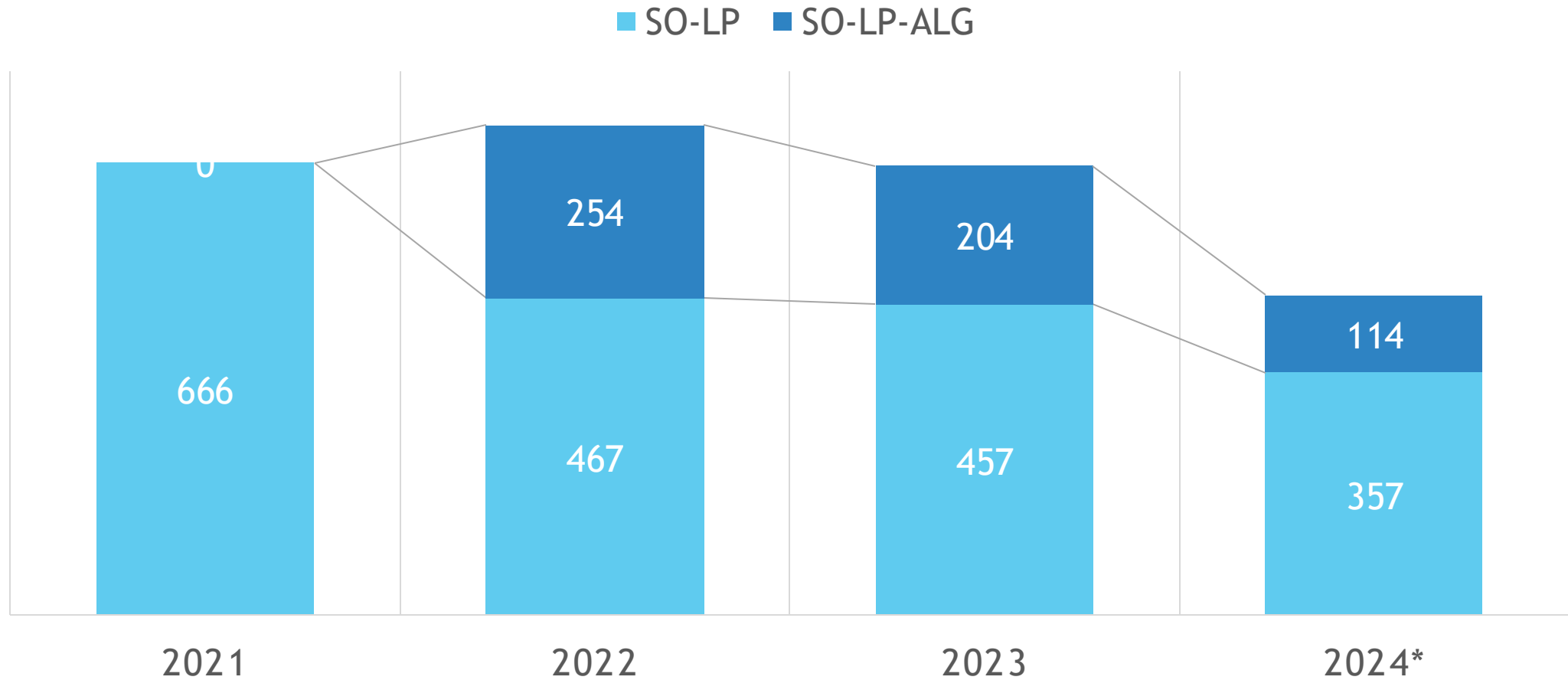
Combined Mixed and Analog Entries 2022-2024



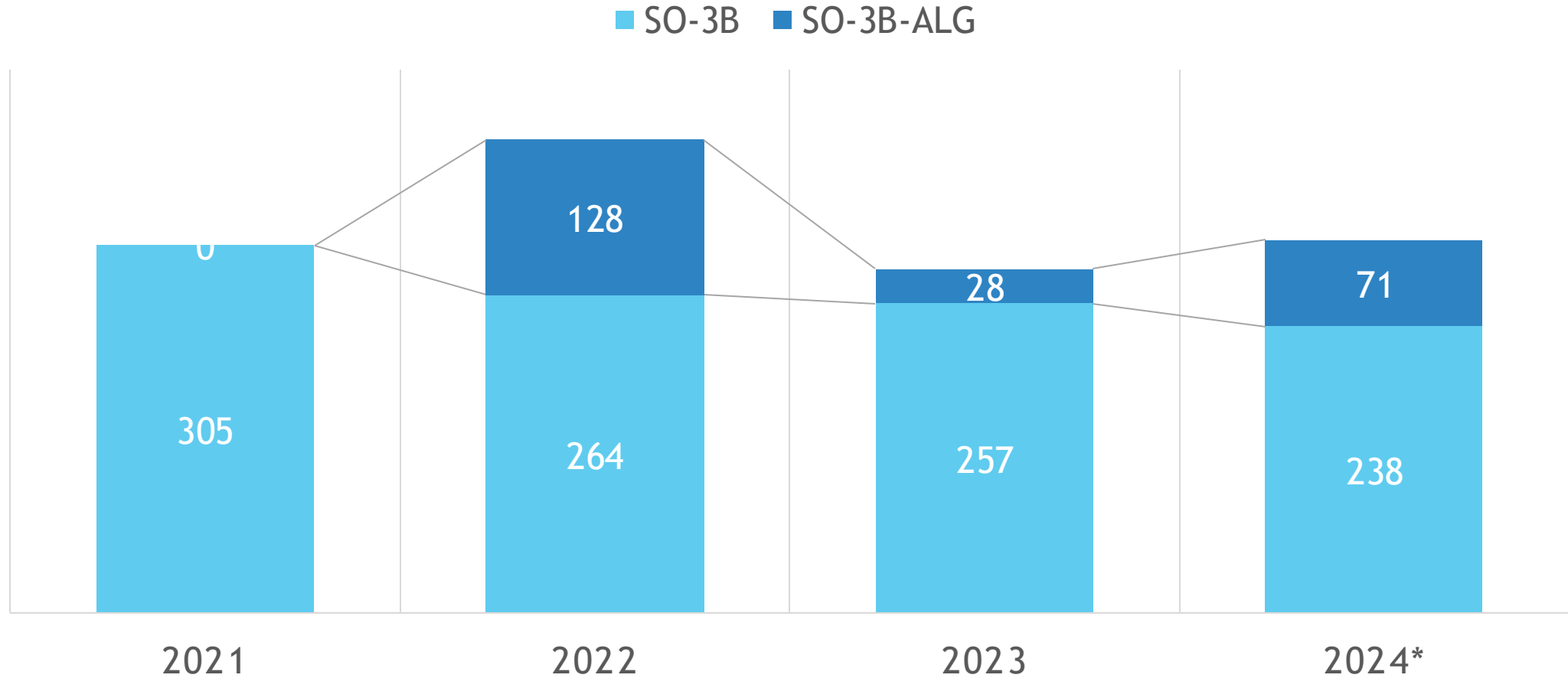
# Single Operator High Power – Analog Only Impact



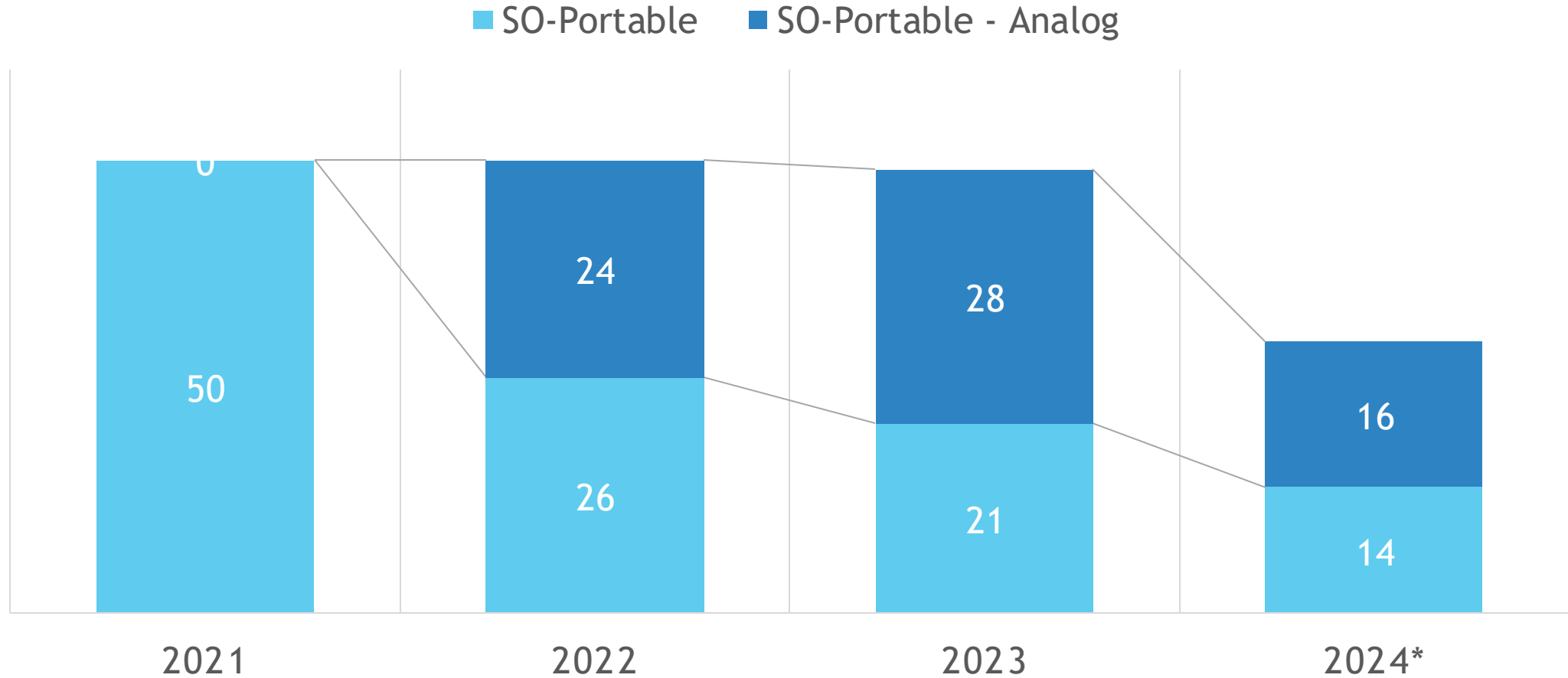
# Single Operator Low Power – Analog Only Impact



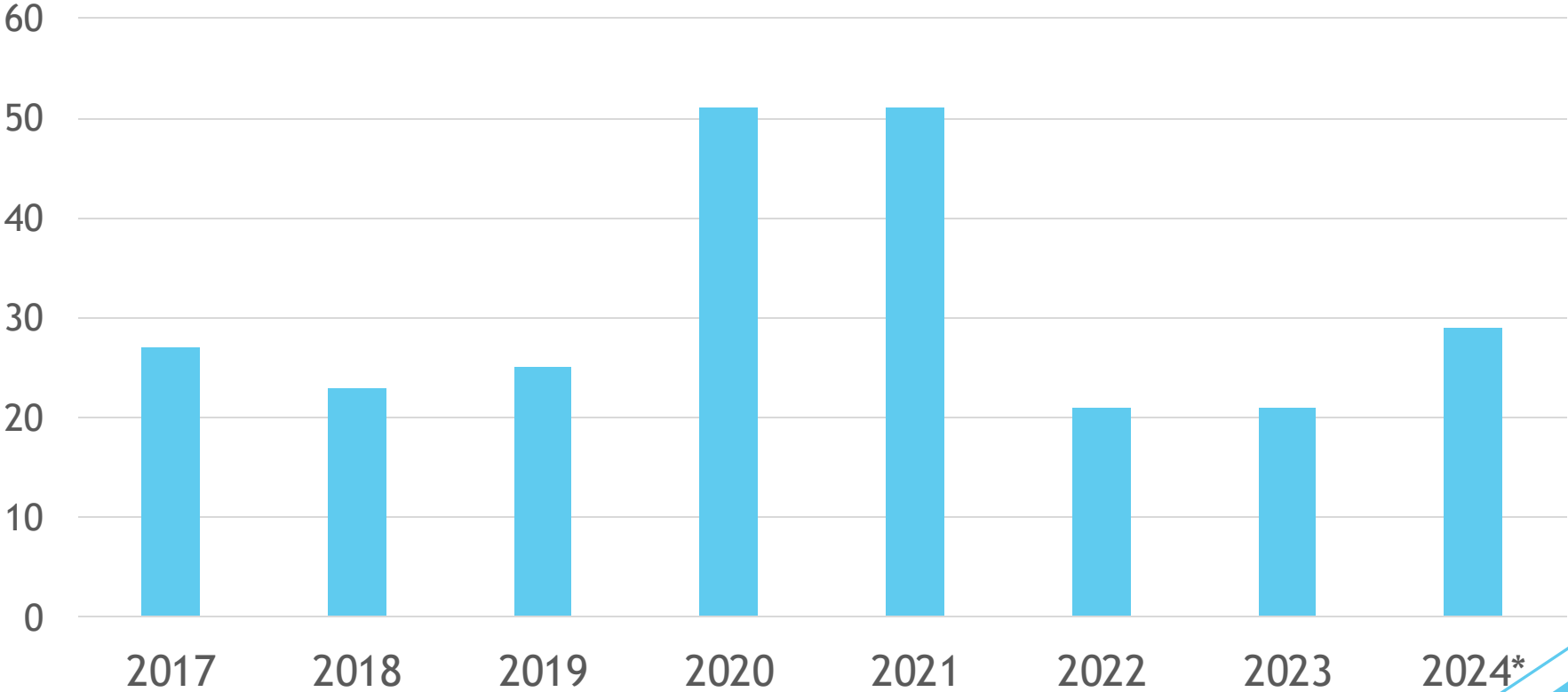
# Single Operator 3-Band – Analog Only Impact



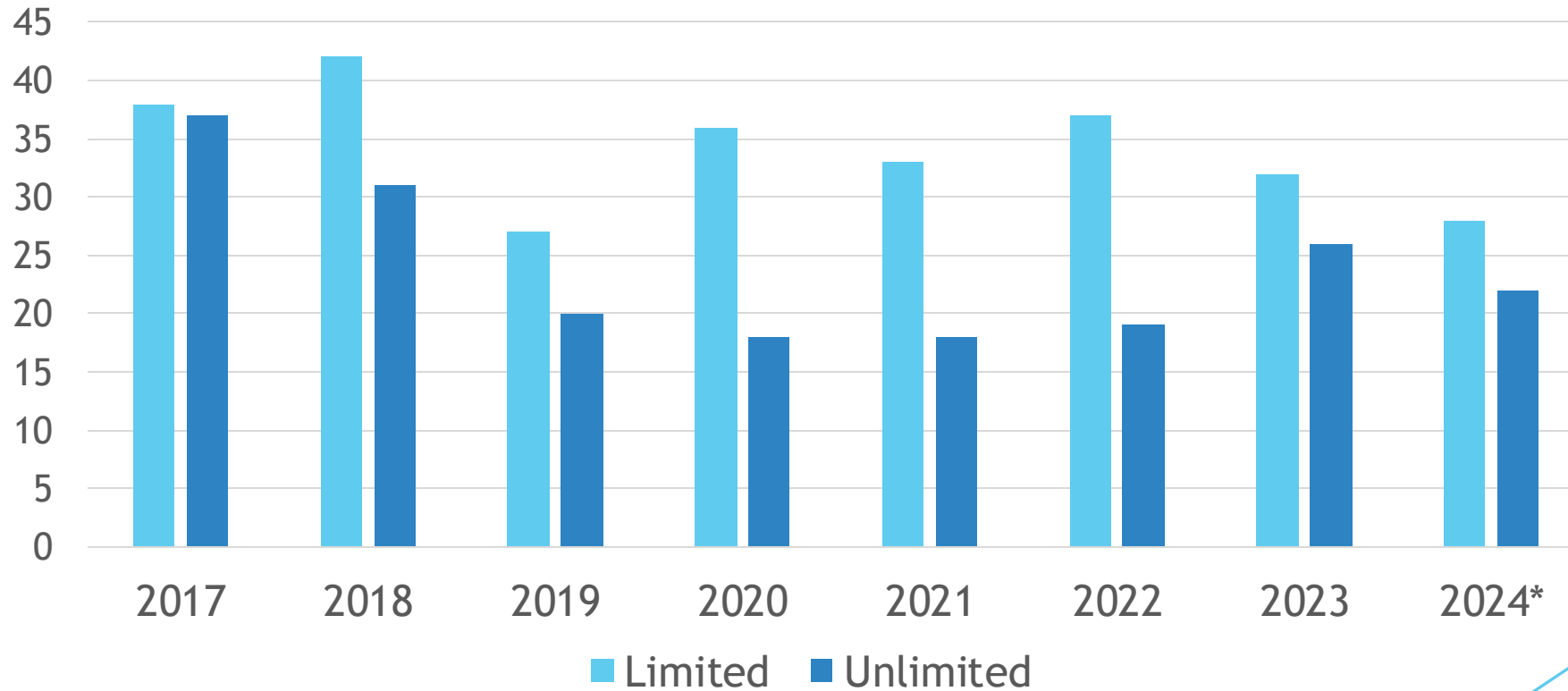
# Single Operator Portable – Analog Only Impact



# Single Operator – FM Only



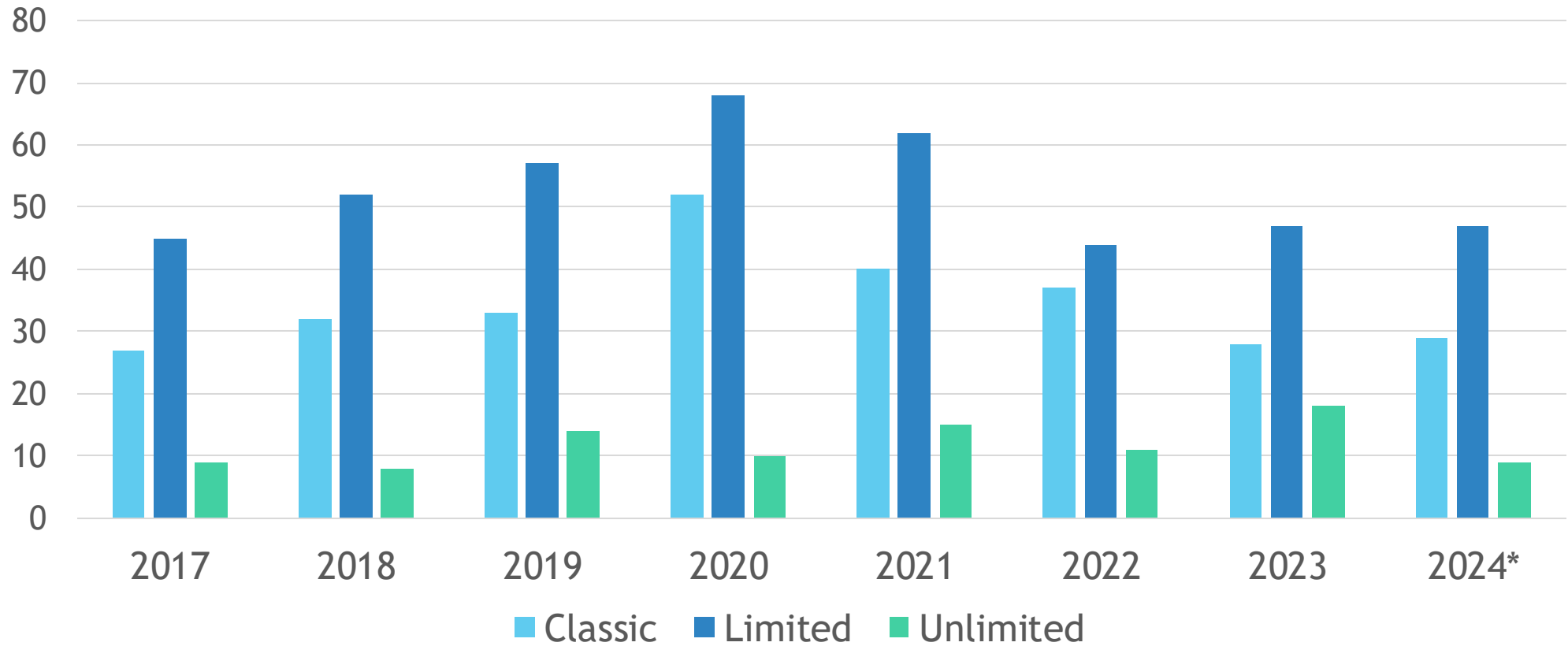
# Multioperator – Limited and Unlimited





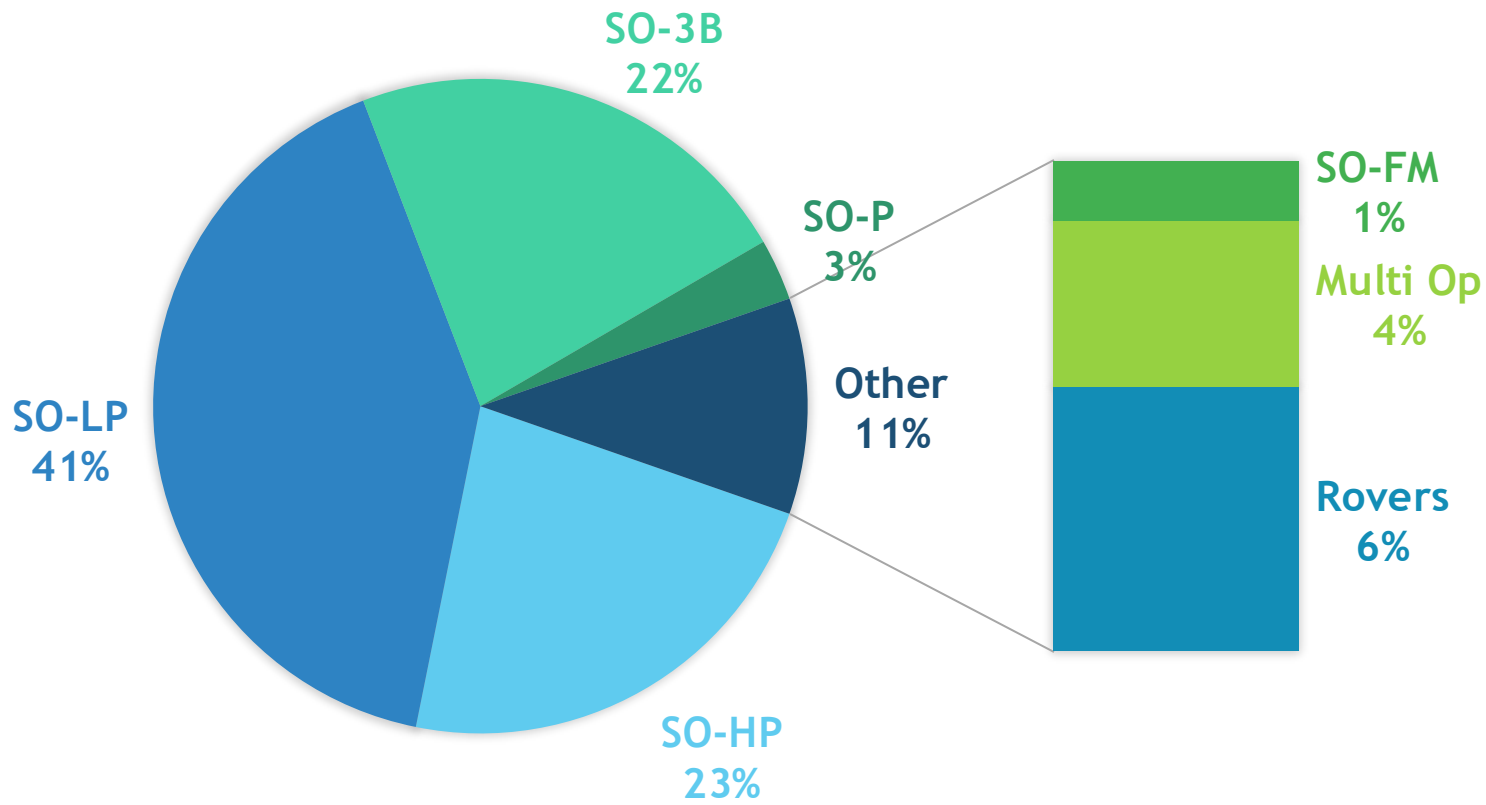


# Rover Categories



# Entry Categories Percentage 2023

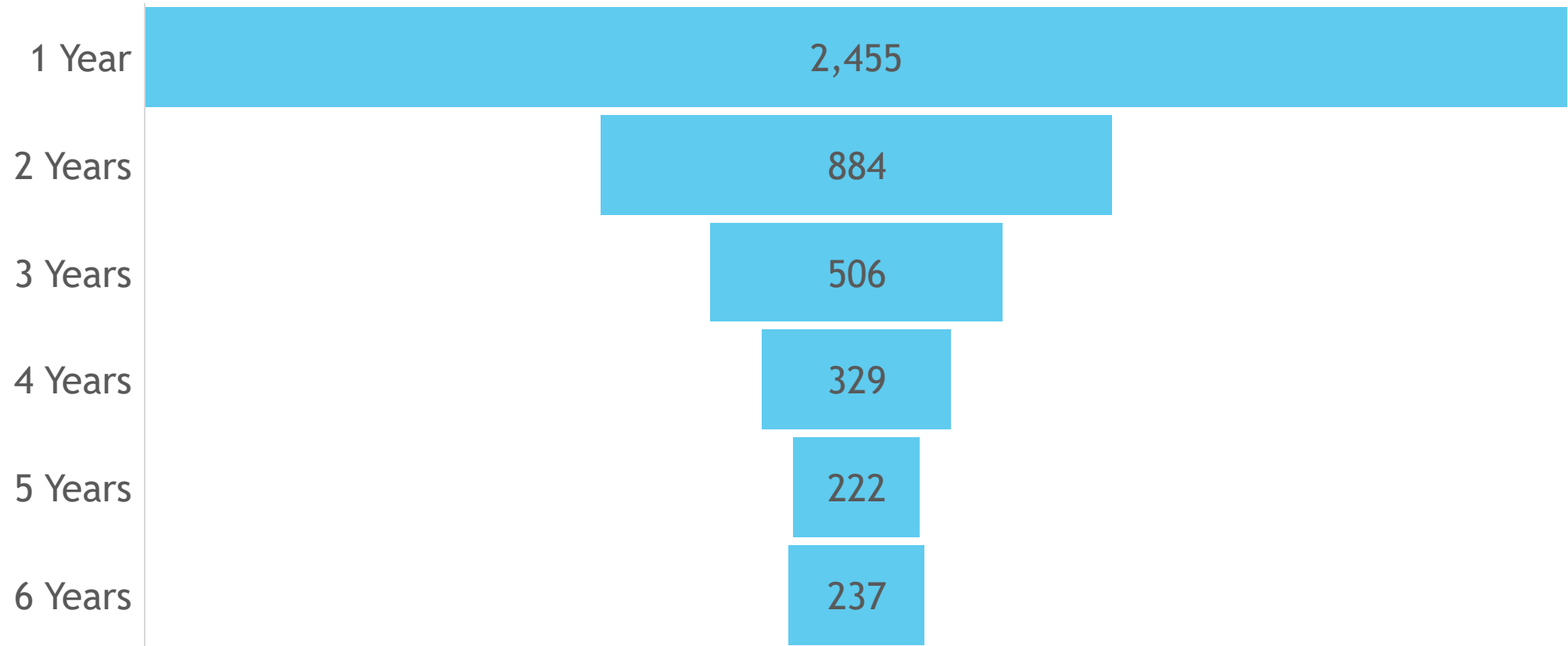
Single Op = 90%



# Participation 2018 - 2023

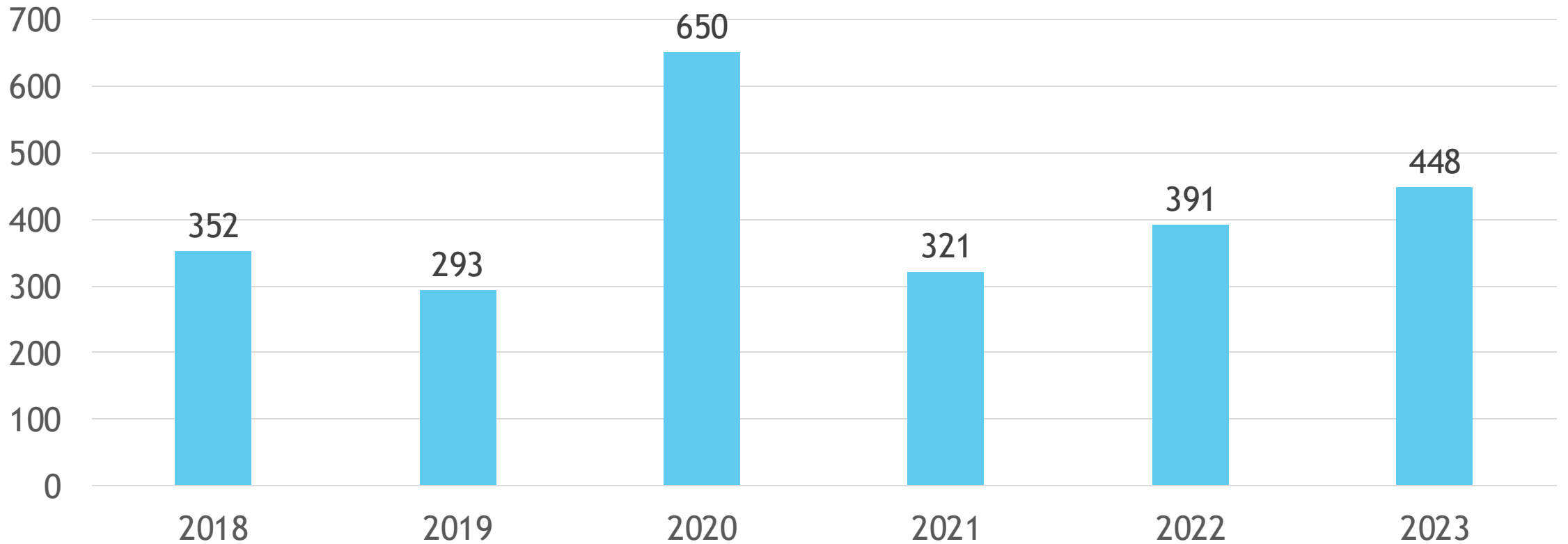
Call Signs by Year

# Participation – Entries same Call Sign – 2018 to 2023



# Participation – Entries same Call Sign – 2018 to 2023

## One Entry Only by Year



# Geographic Participation 2023

Grids Activated





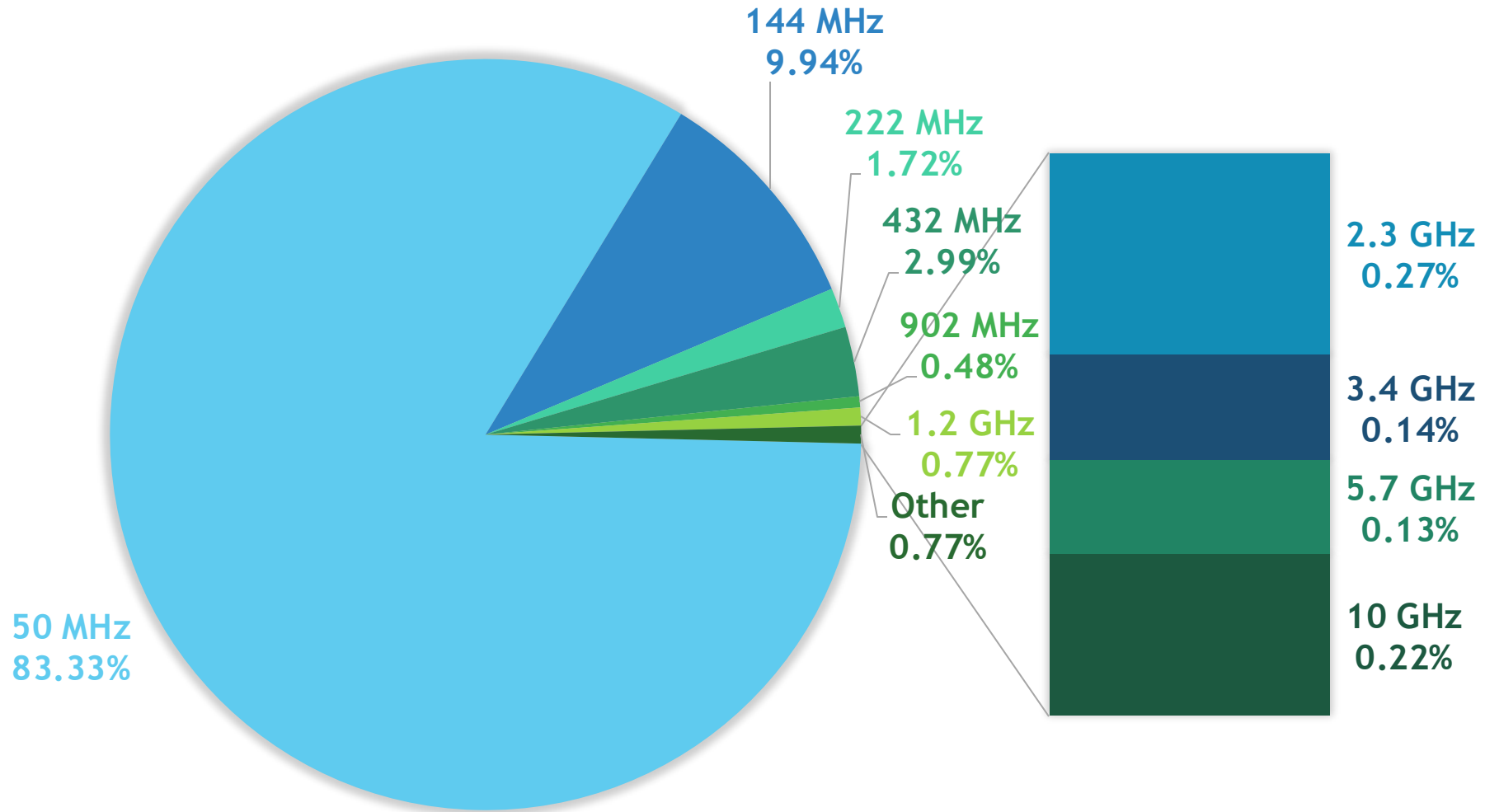




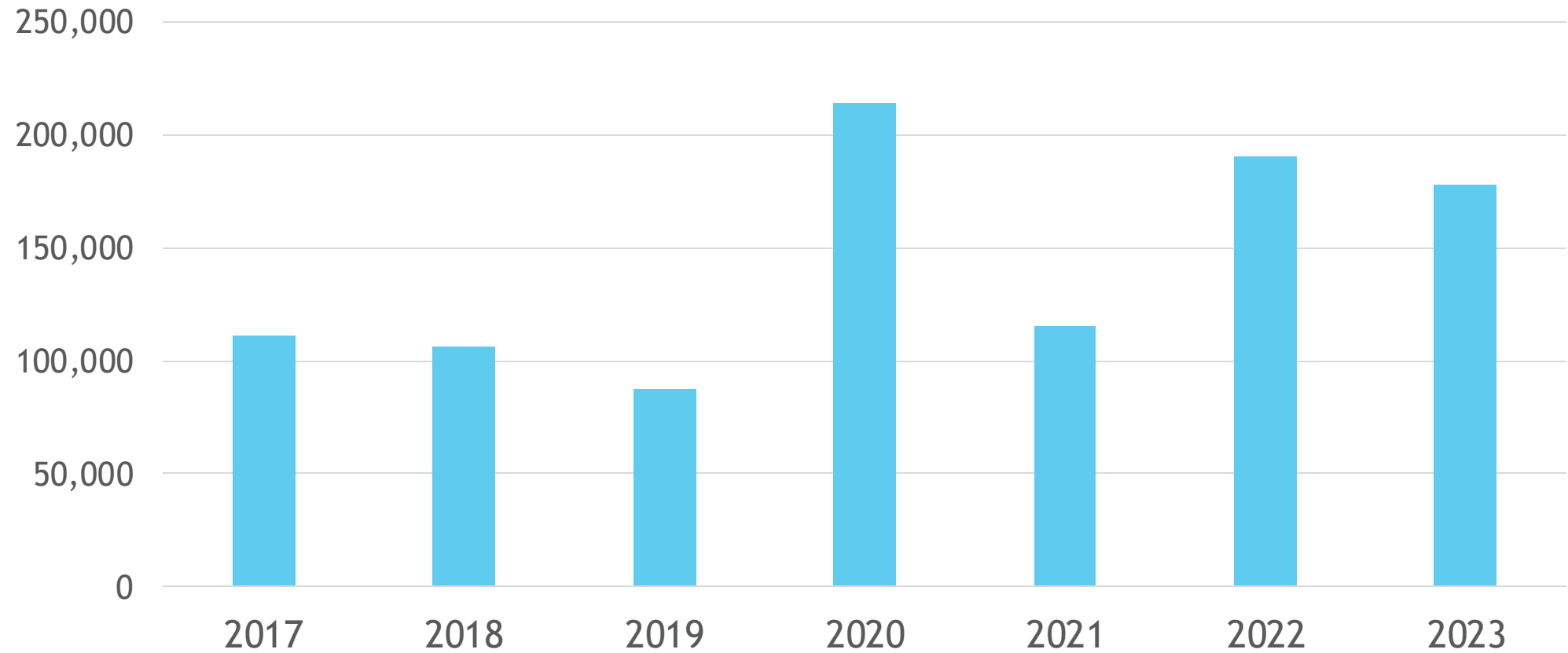
# QSO Analysis 2023

QSOs by Band  
QSOs by Mode

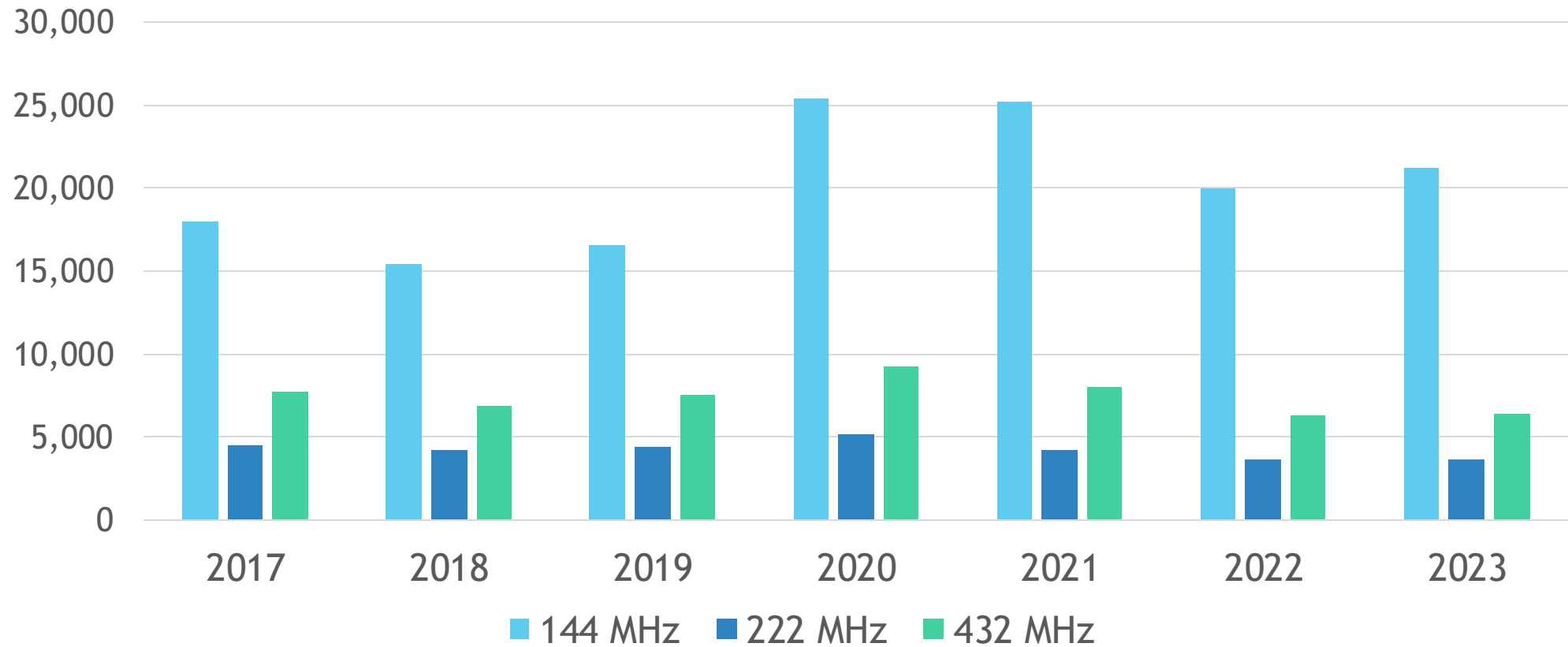
# QSOs per Band – 2023



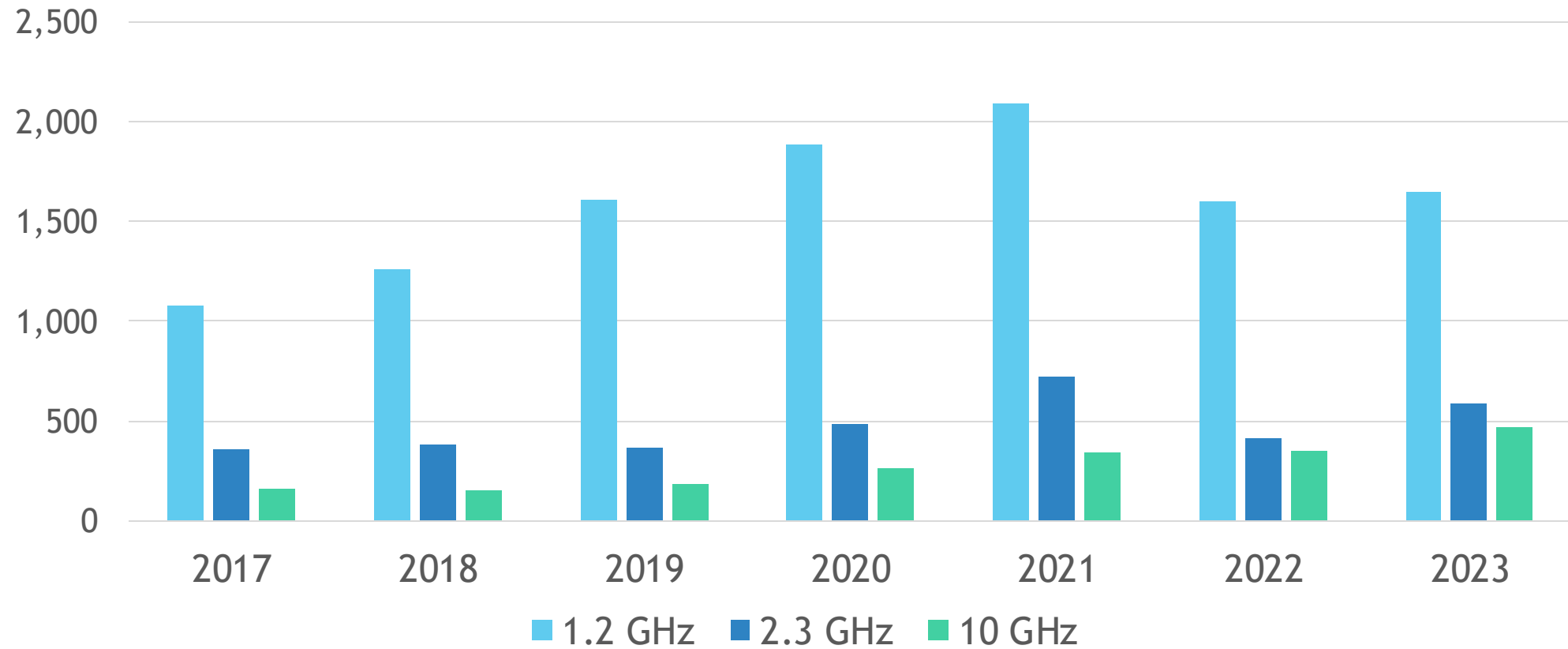
# 50 MHz QSO Count



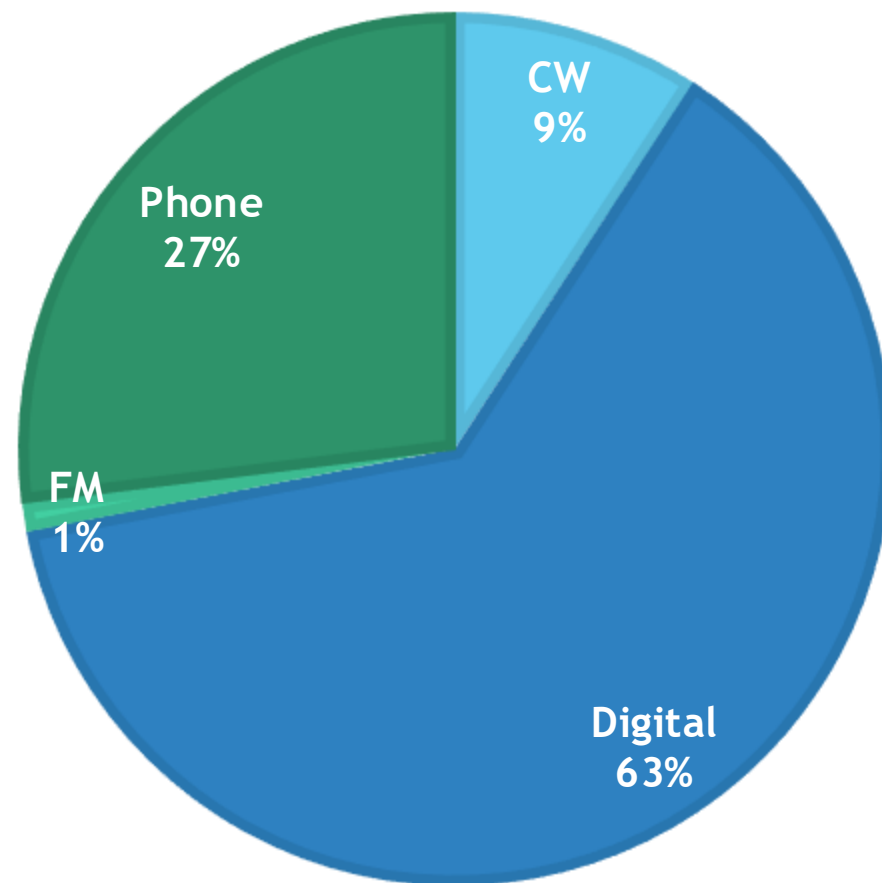
# 144, 222, 432 MHz QSO Count



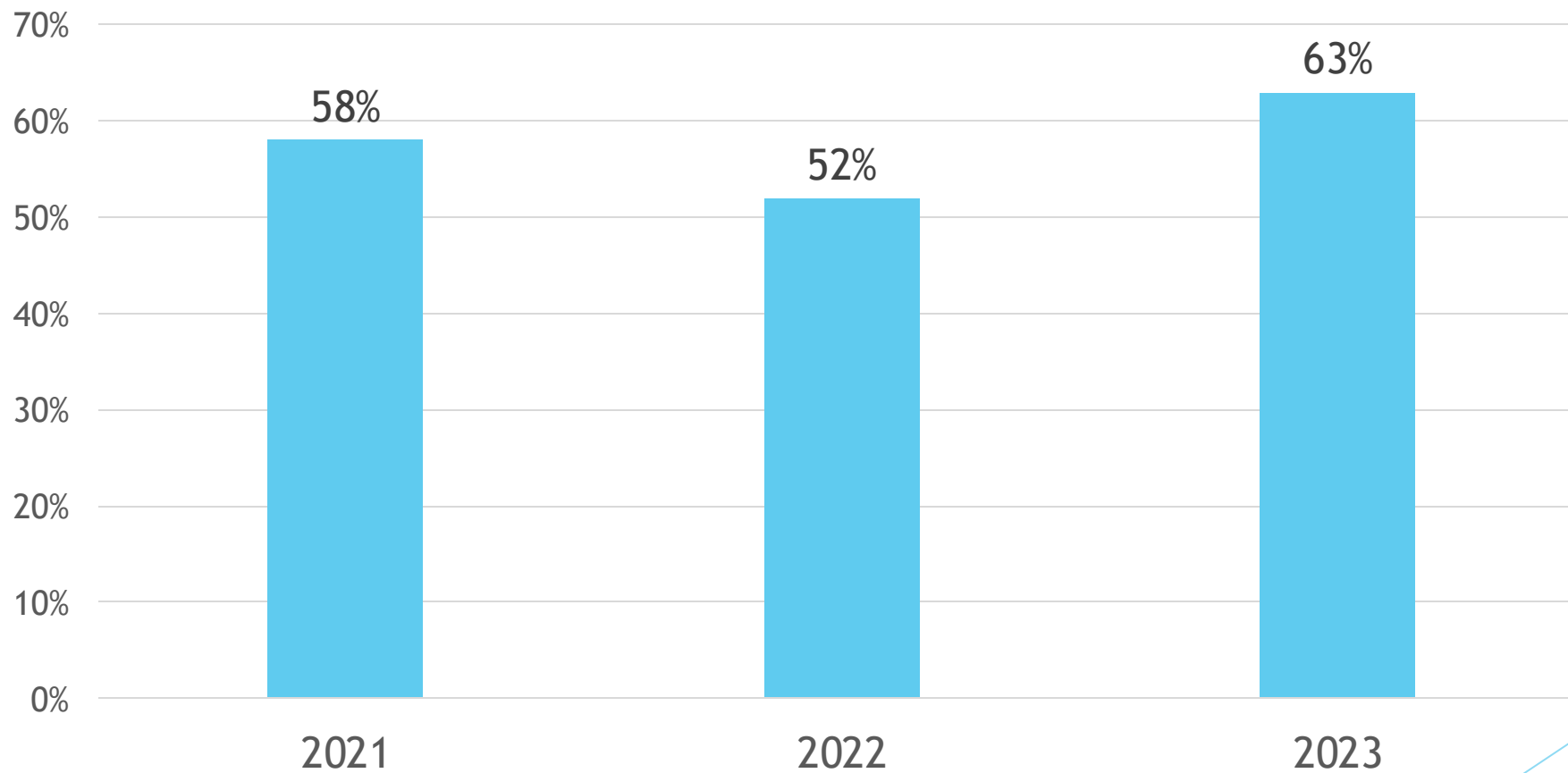
# 1.2, 2.3, 10 GHz QSO Count



# QSOs per Mode – 2023

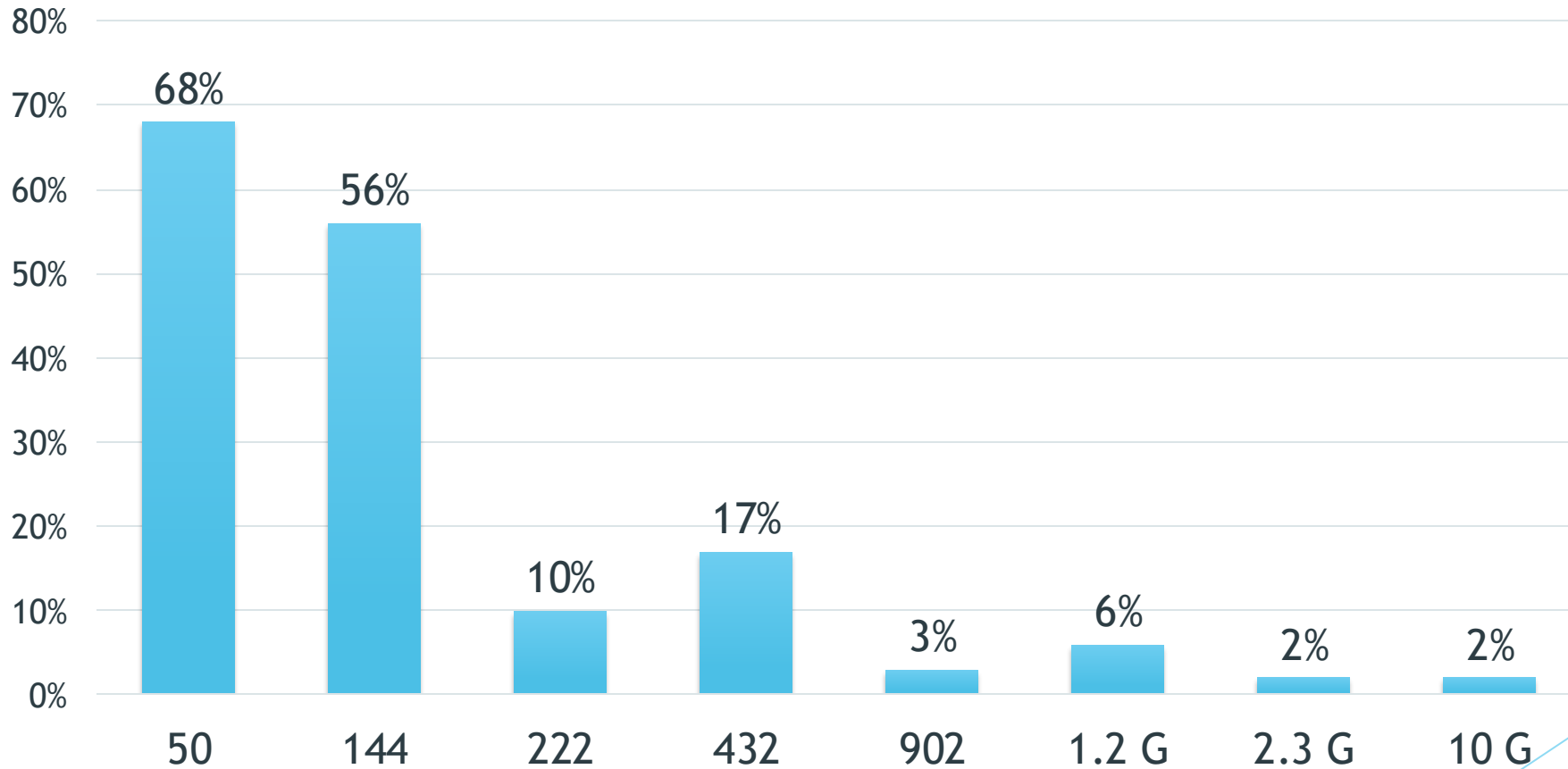


# Digital QSO Percentage — All Bands





# Digital QSO Percentage by Band – 2023



# Entries vs. Lost Entries

- ▶ Log Checking Reports – Unique Call Signs
- ▶ 2023 Too Deep Dive – 3830 Contest Scores
  - ▶ 2023 June VHF = 617 scores reported
  - ▶ 48 of those score reports didn't submit a Contest Log



# Soapbox Highlights 2023

Selected Comments

# N2ZBH/R Limited Rover 157 QSOs, 54 Grids 9 Grids Activated

I had a decent amount of fun, but less sleep than I'm used to these days, doing the contest. Went out as Rover Limited as usual. This was the first time in the Fiat 500 - I may have been the smallest rover out there. I managed to get the full antenna tree that I normally go with onto the Fiat at the last minute, but rotating was a pain cause I had to get out of the car. Probably the first priority improvement will be some sort of custom rotator. The last 2 vehicles I roved in were both Jettas with a sunroof, so there was no need - just reach up and rotate. I haven't contested much in the last few years, but I'm not a fan of the recent majority shift to digital. This is the first time I've incorporated digital, and sadly, most of my QSOs were gotten there. I normally just do phone, and I prefer it for a number of reasons, but what are you gonna do? Did 9 grids this time around - 4 on Sat and 5 on Sun.





## WA4UF SOLP-AG EL89 67 QSOs, 44 Grids

Down to one working VHF radio, so 6 meters only this time around. Started out dead dead dead. I found an additional 5' section of mast in the garage, and with the next-door neighbor's help, I got it inserted, and the whole apparatus stuck back up on the rotor. It's amazing what a difference 5' of height made. Contacts started flowing thick and fast. Pretty happy with this outing, but I definitely have some radio repairs to attend to before September!

The slightly taller homebrew tower/mast setup. The 6m yagi is up to all of what, 15' off the ground now





# VE2BAP SO-3B FN46 95 QSOs, 29 Grids

I operated from top of "Mount Radar" at 695 meters (2280 feet) of elevation, in FN46KI, with this equipment:

50 MHz: 100 watts, 2-element homemade HB9CV horizontal antenna

144 MHz: 50 watts, 5 element horizontal yagi antenna

432 MHz: 40 watts, 7 element horizontal yagi antenna

It was my first experience from this site, and I really enjoyed!

I am planning to participate to future VHF contests from this site, with a better setup. Watch for

FN46KI during next VHF-UHF contests !

Daniel VE2BAP





## K7KTM SO-LP — DN26 184 QSOs, 97 Grids

A big thank you to W7OUU, Jim, for saying just get on the air Saturday and Sunday and make some contacts, little did we know what an epic weekend it would be. The very best 6 meter conditions I had ever operated in. Thanks to everyone who answered my CQ's, I was amazed at what 40 watts did on FT8, an experience I will never forget!





K5ND SO-HP June VHF 2024

Thanks for QSOs and Patience. Time for Questions.





Questions

Answers

**K5ND**.RADIO