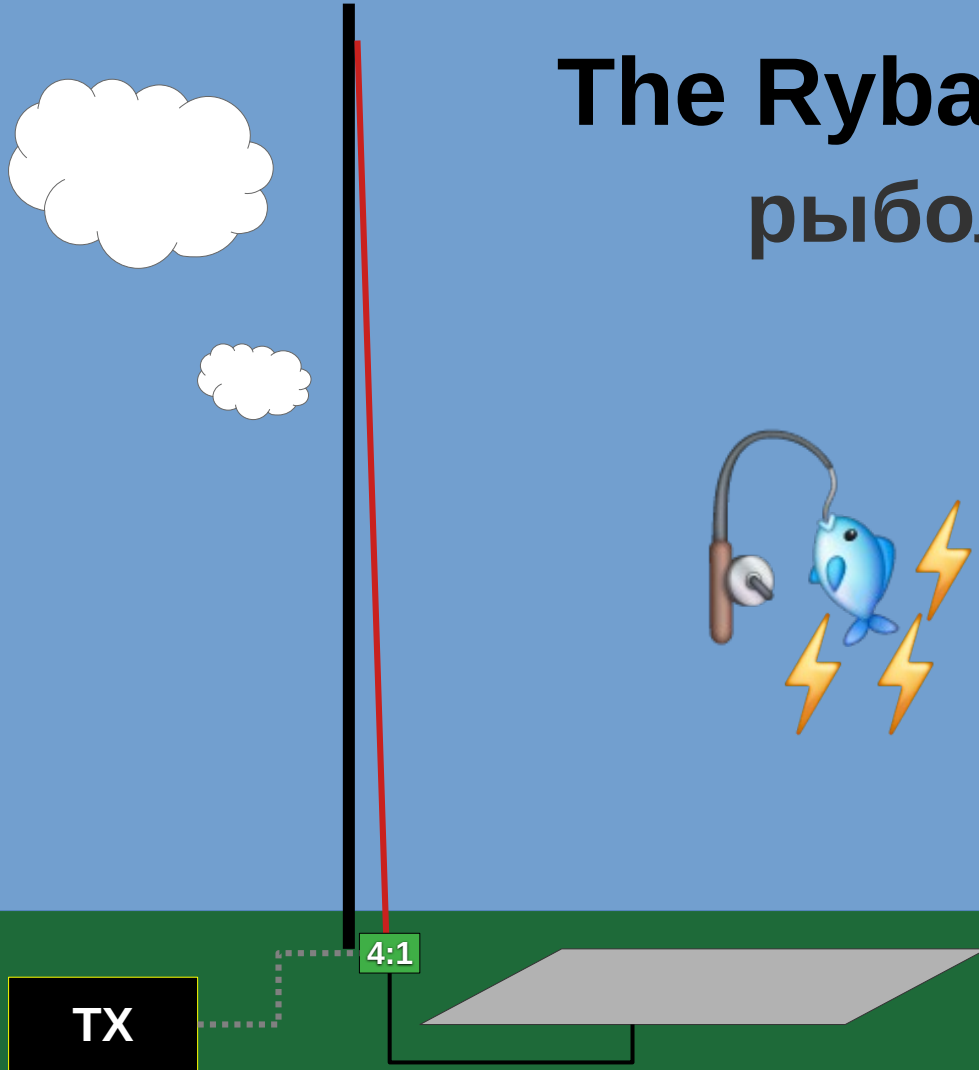


The Rybakov Antenna рыболов



Pattern Testing Notes
de VE5REV



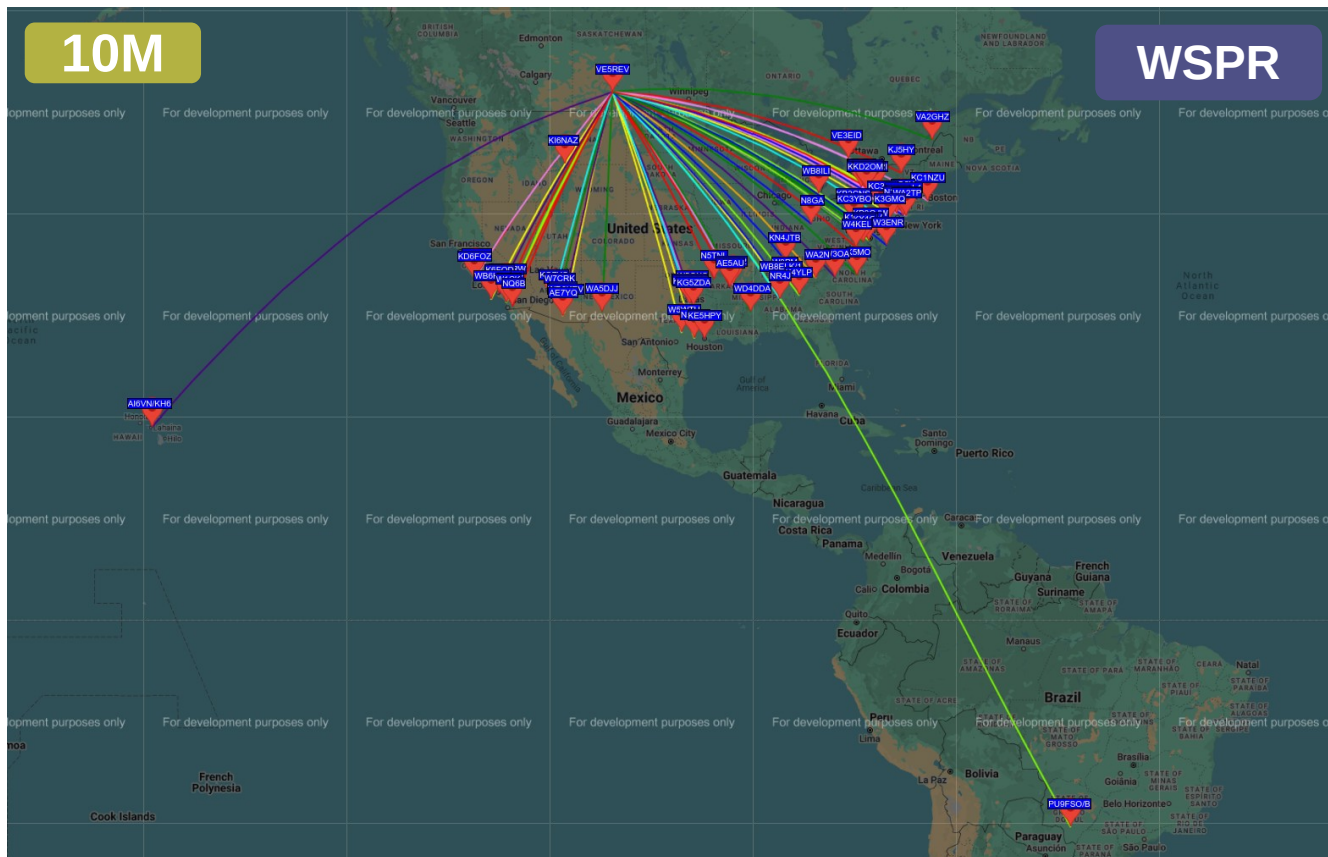


Rybakov Antenna Testing Notes

- 7.6m Rybakov on DX Commander Mast
- 4:1 & 1:1 Combo Balun
- POTA PERformer Elevated Radials in South East / South West direction $\sim 60^\circ$
- Balun & Radial Height $\sim 1\text{m}$
- 50' Coax
- 1:1 Choke At Rig
- Icom IC705
- LDG Z-11Pro II Tuner
- WSJX WSPR Mode
- Each test ran for 20 minutes

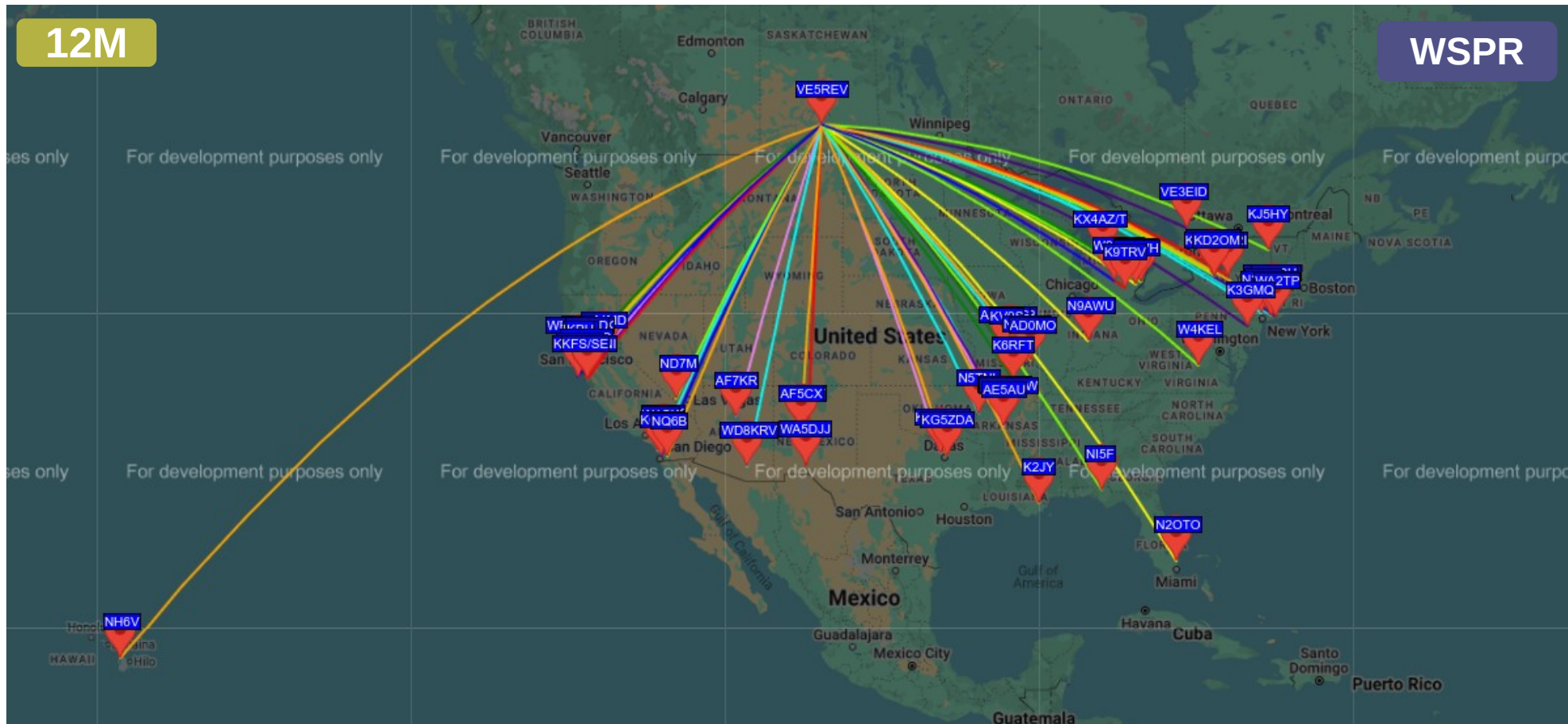
Rybakov Antenna Testing

1 Watt 50' Coax POTA PERformer Elevated Radials SE/SW 1:1 At Rig

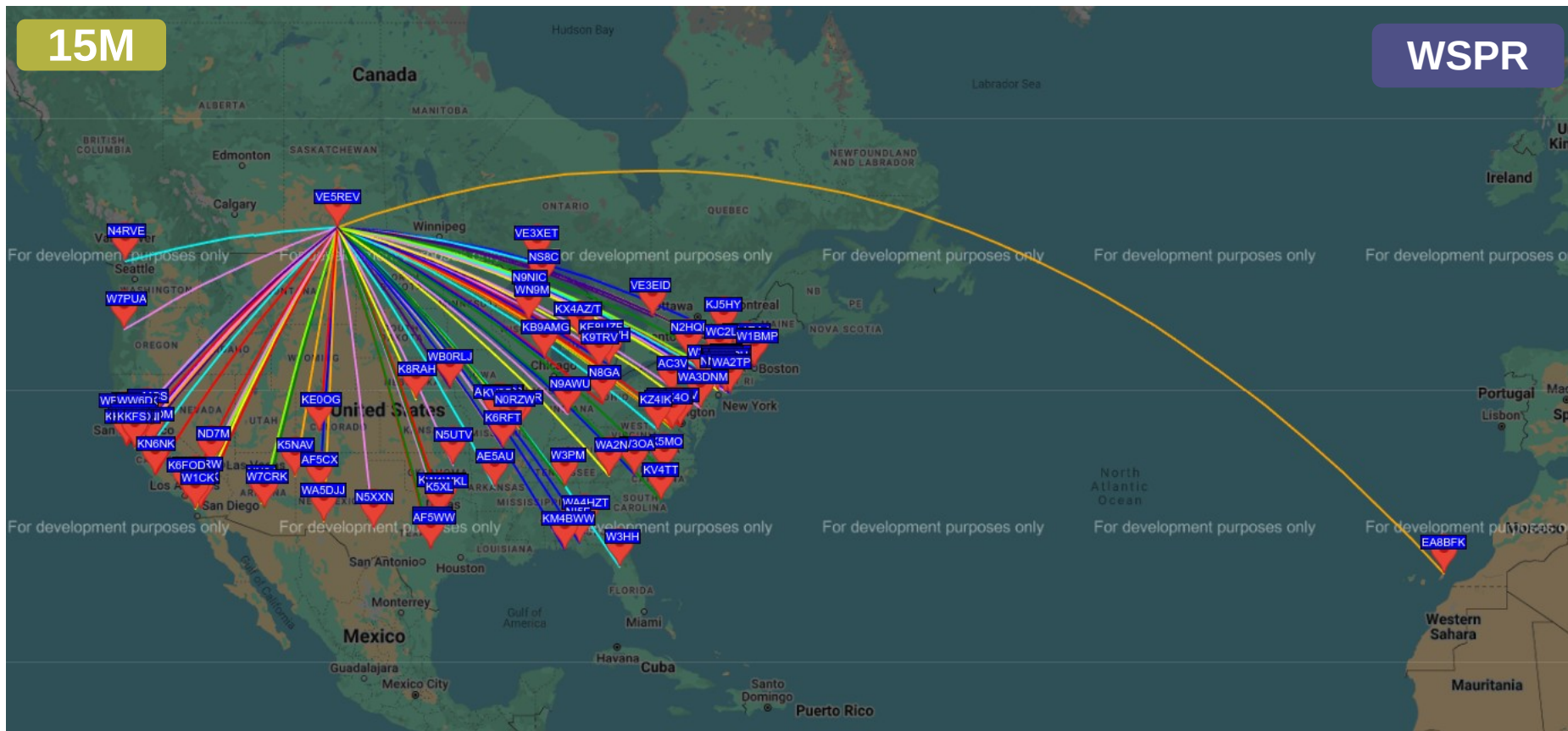


Rybakov Antenna Testing

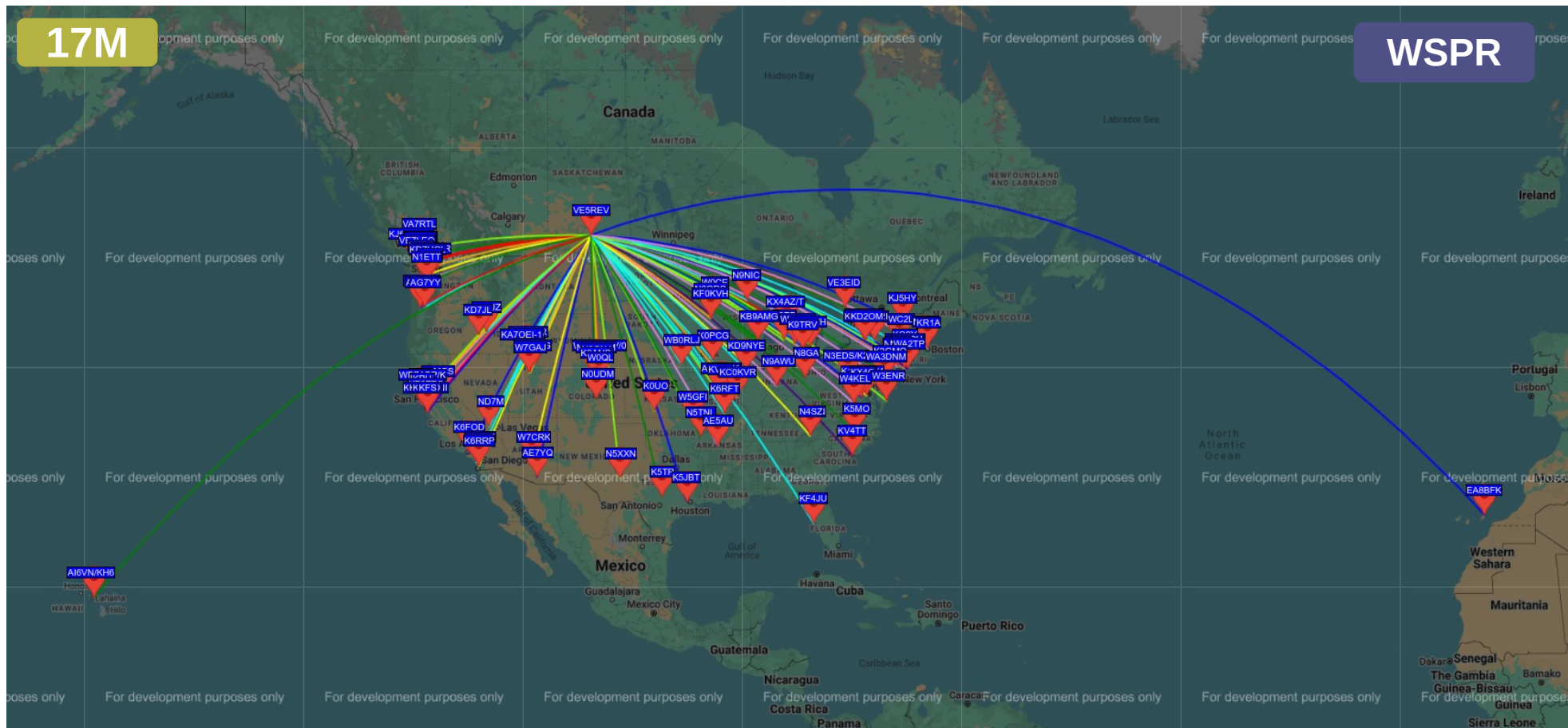
1 Watt 50' Coax POTA PERformer Elevated Radials SE/SW 1:1 At Rig



1 Watt 50' Coax POTA PERformer Elevated Radials SE/SW 1:1 At Rig

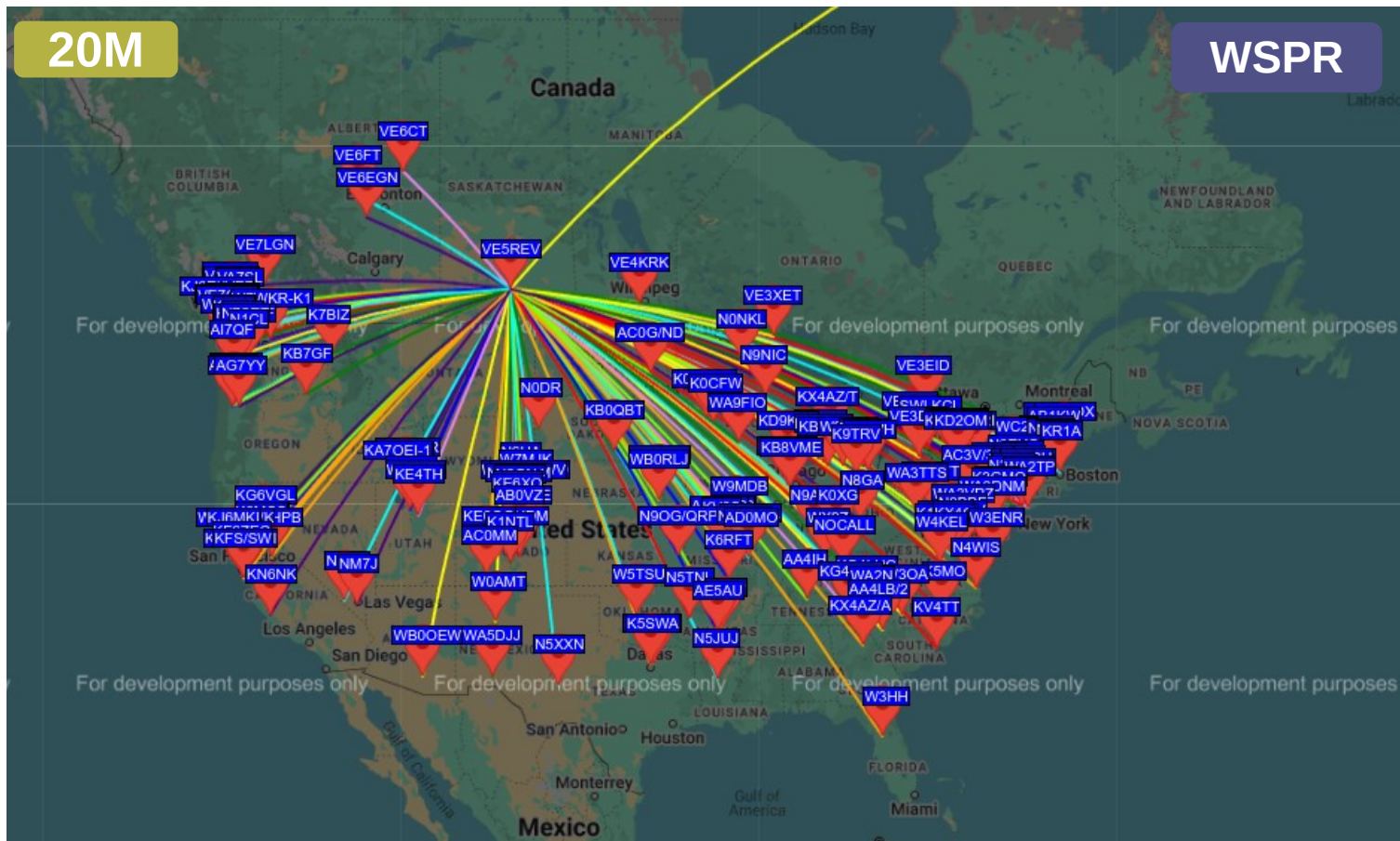


1 Watt 50' Coax POTA PERformer Elevated Radials SE/SW 1:1 At Rig



1 Watt 50' Coax POTA PERformer Elevated Radials SE/SW 1:1 At Rig

1 Watt 50' Coax POTA PERformer Elevated Radials SE/SW 1:1 At Rig

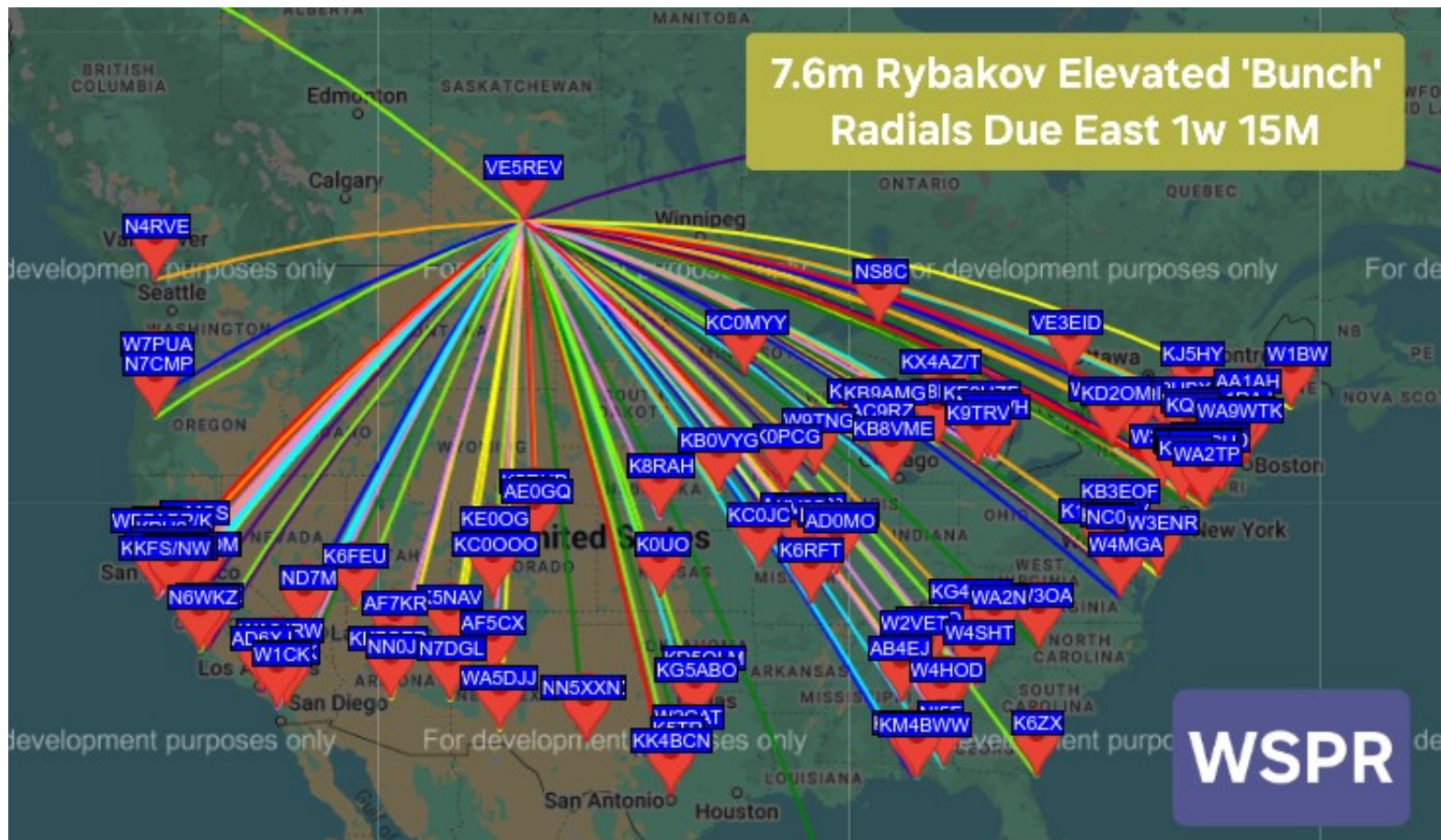




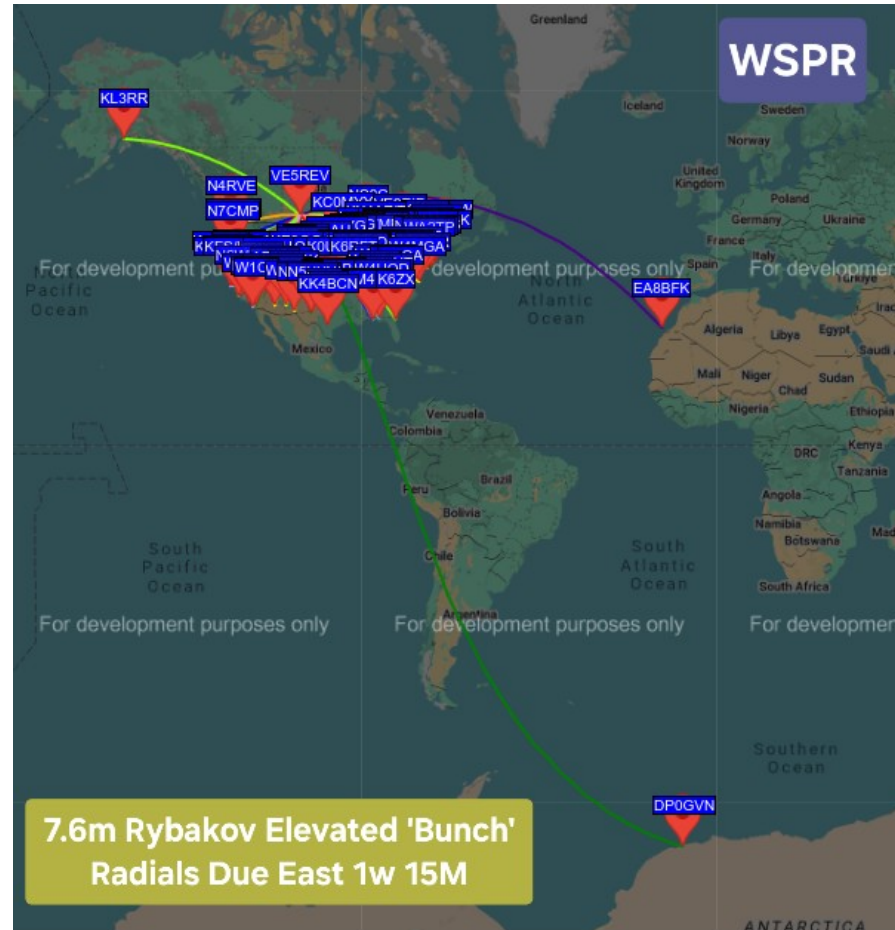
Rybakov Antenna Testing Notes

- 7.6m Rybakov on DX Commander Mast
- 4:1 & 1:1 Combo Balun
- POTA PERformer Elevated Radials in South East / South West direction $\sim 60^\circ$
- Balun & Radial Height $\sim 1\text{m}$
- 50' Coax
- 1:1 Choke At Rig
- Icom IC705
- LDG Z-11Pro II Tuner
- WSJX WSPR Mode
- Each test ran for 20 minutes

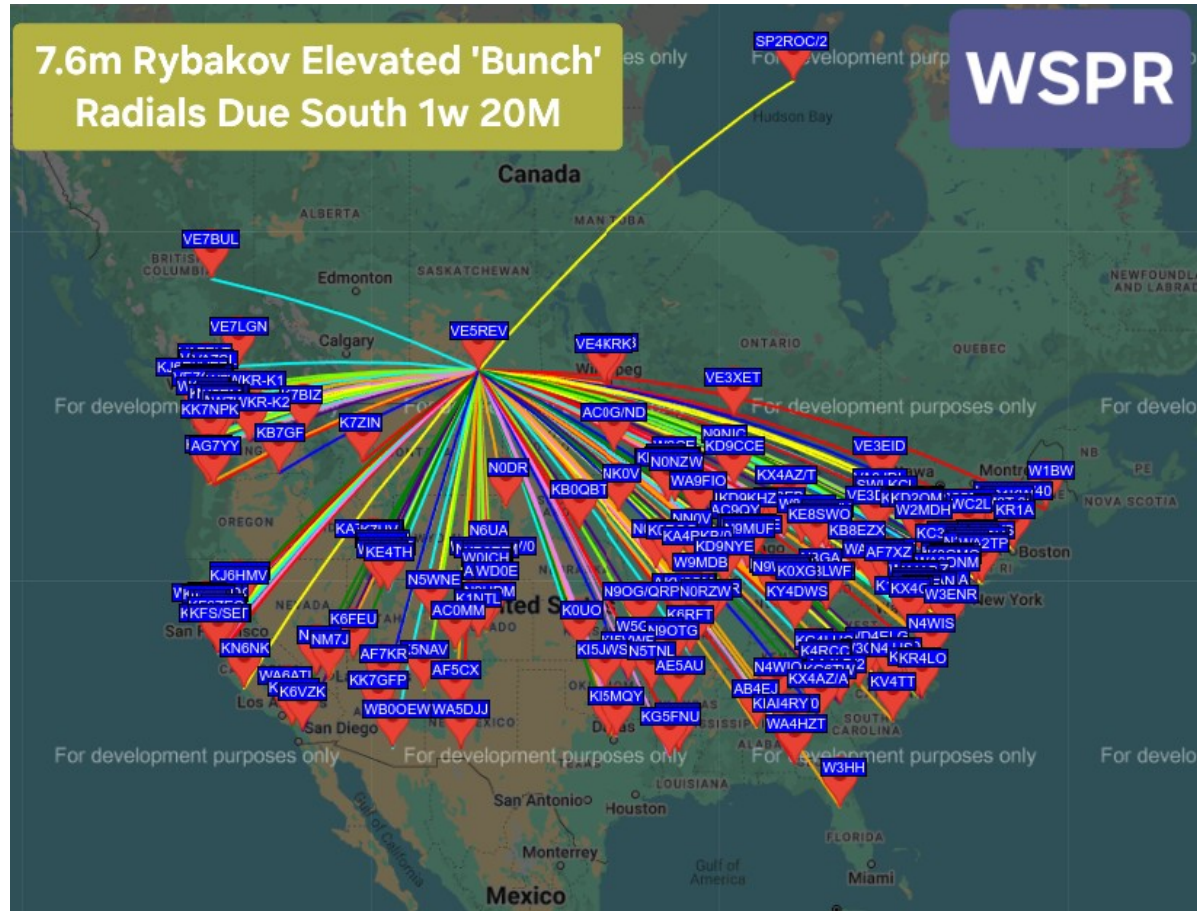
15M 1 Watt 50' Coax 'Bunch' Radials Due East 1:1 At Rig



15M 1 Watt 50' Coax Elevated 'Bunch' Radials Due East 1:1 At Rig

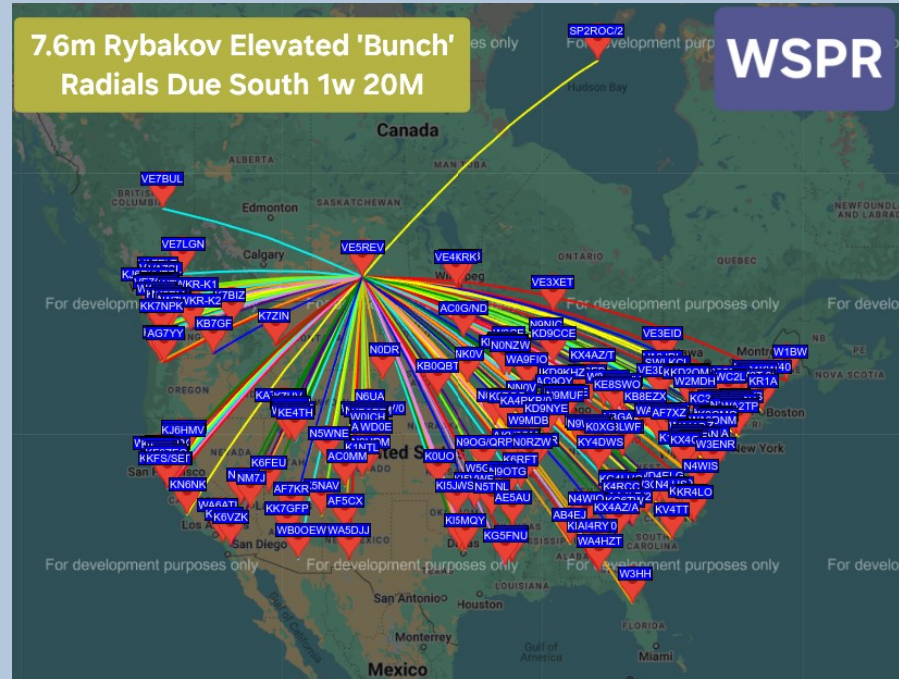
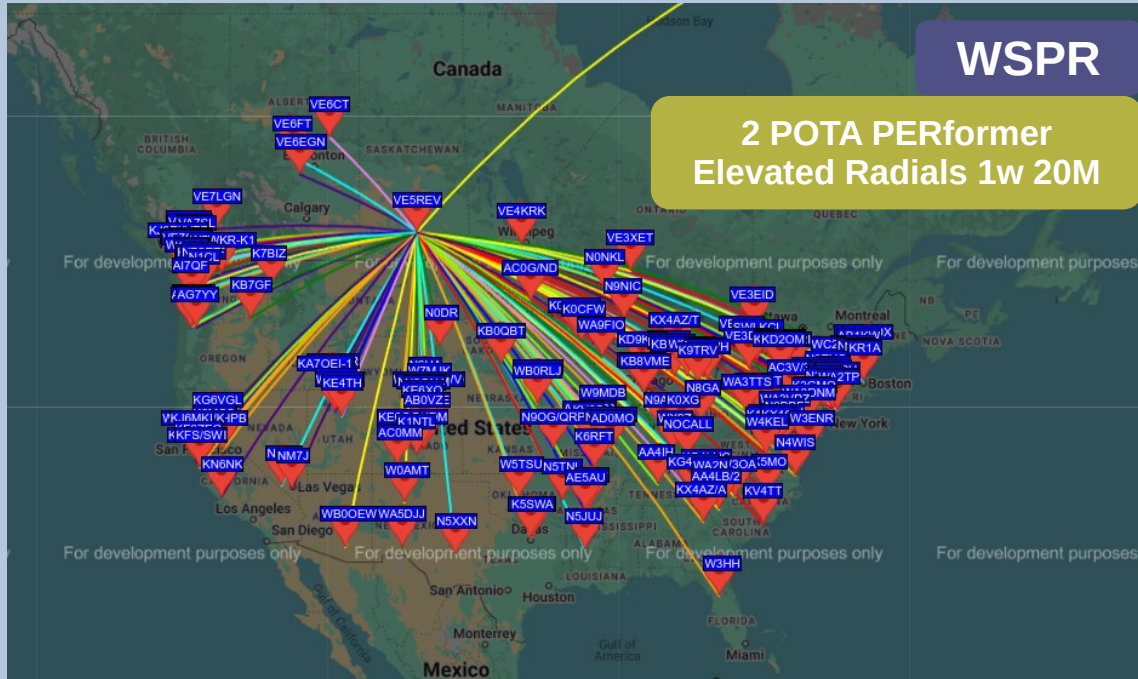


20M 1 Watt 50' Coax Elevated 'Bunch' Radials Due South 1:1 At Rig



Rybakov Antenna Testing

Radial Configuration Comparison



Notes:

7.6m Rybakov on DX Commander Mast, 4:1 & 1:1 Combo Balun, **2 POTA PERformer Elevated Radials: South East / South West direction ~60° OR 'Bunch' Radials: 5 tuned radials 20m-10m soldered together**, Balun & Radial Height ~1m, 50' Coax, 1:1 Choke At Rig, Icom IC705, LDG Z-11Pro II Tuner, WSJT-X WSPR Mode, Each test ran for 20 minutes

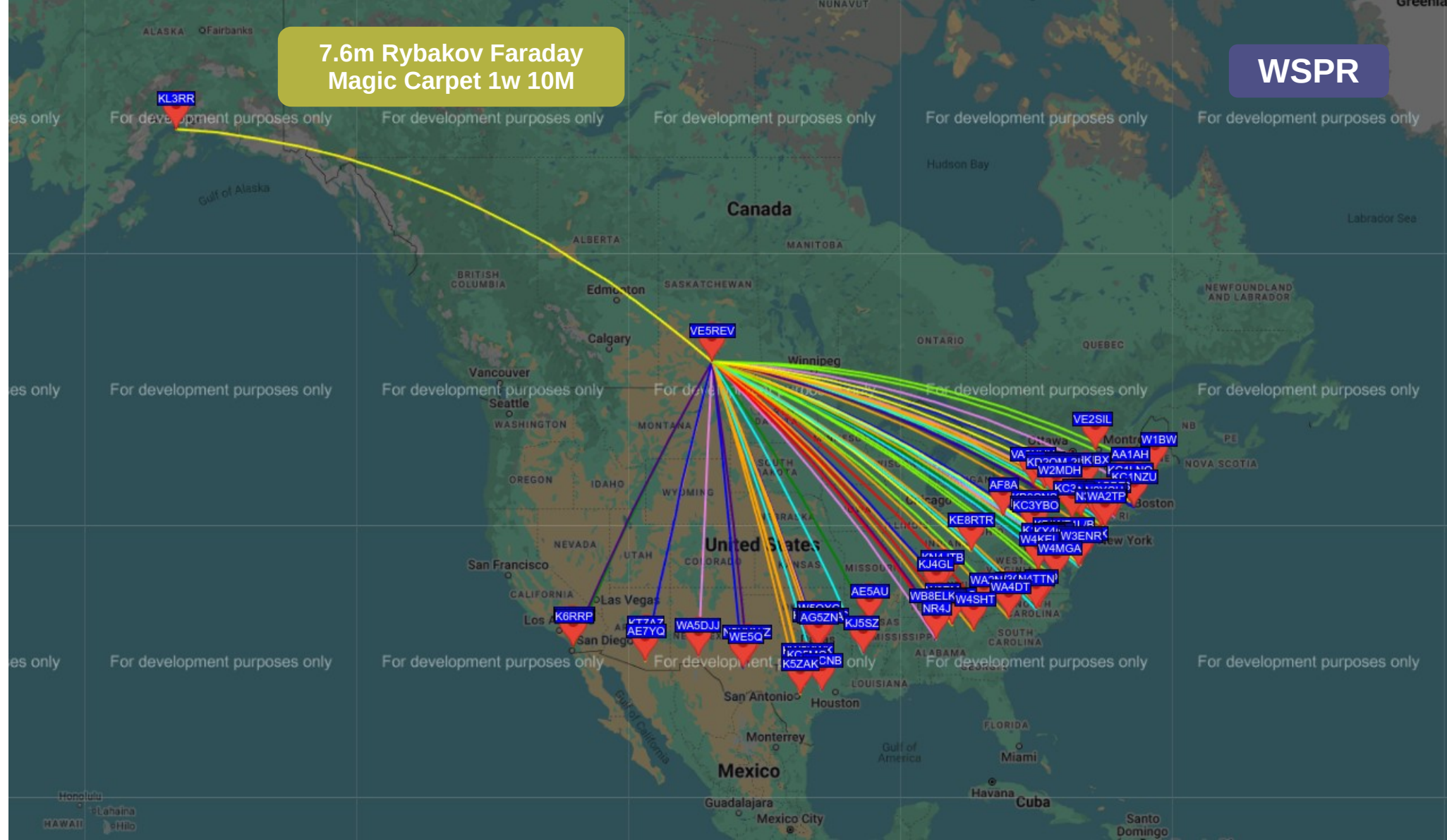


Rybakov Antenna Testing Notes

- 7.6m Rybakov on DX Commander Mast
- 4:1 & 1:1 Combo Balun
- Magic Carpet Faraday Cloth Radials
- Balun & Radial Height ~1m
- 50' Coax
- 1:1 Choke At Rig
- Icom IC705
- LDG Z-11Pro II Tuner
- WSJX WSPR Mode
- Each test ran for 20 minutes

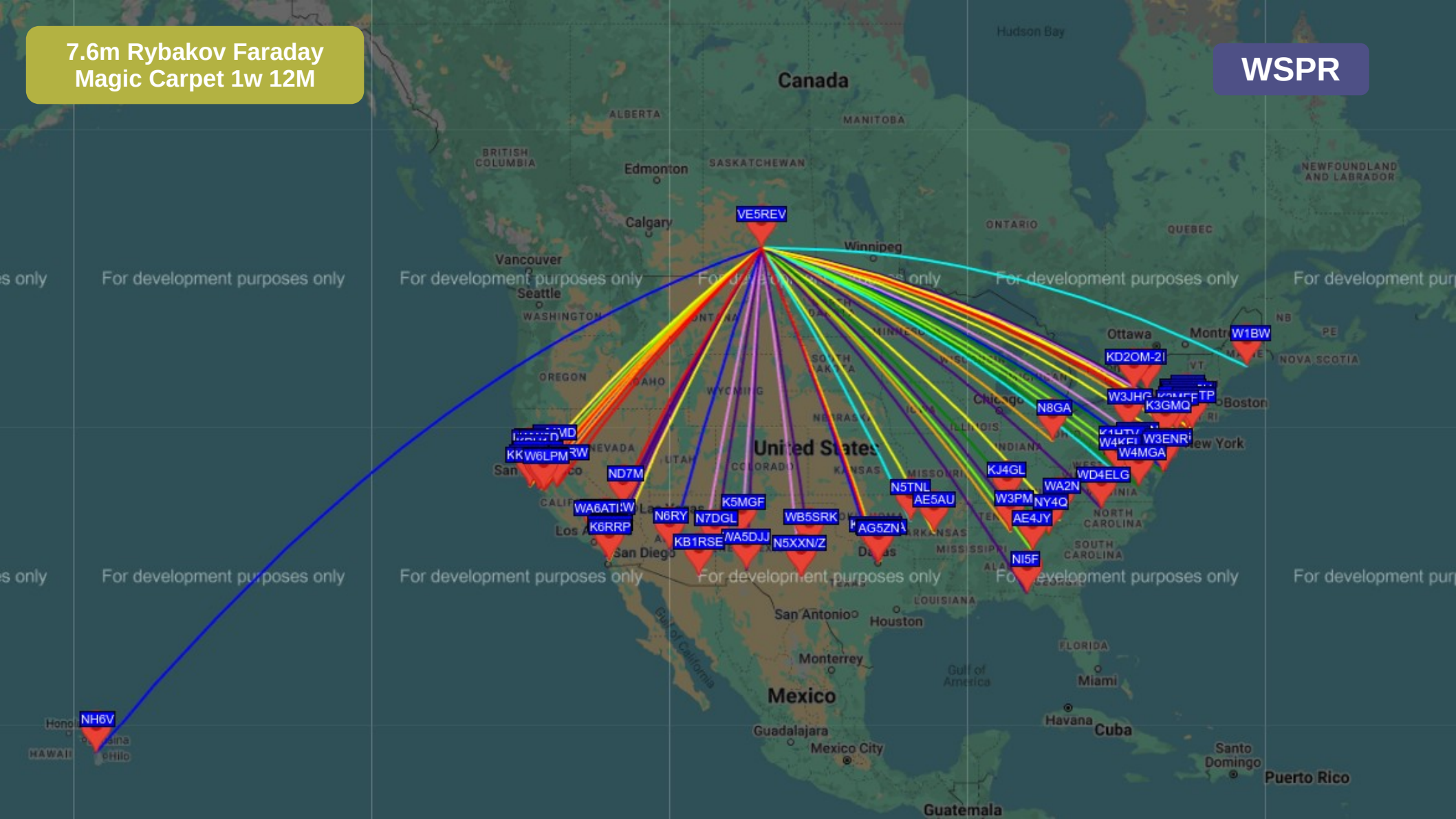
7.6m Rybakov Faraday
Magic Carpet 1w 10M

WSPR



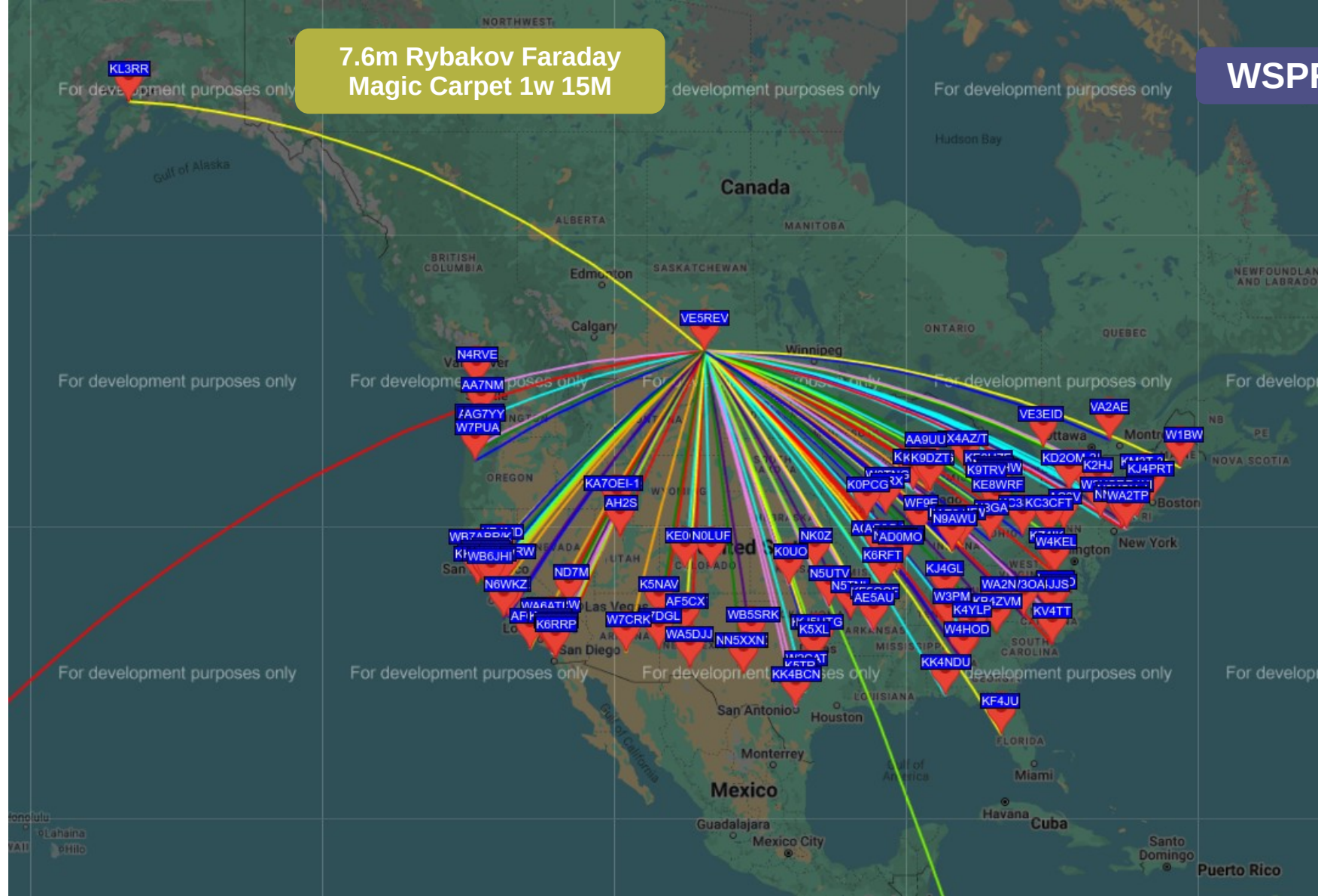
**7.6m Rybakov Faraday
Magic Carpet 1w 12M**

WSPR

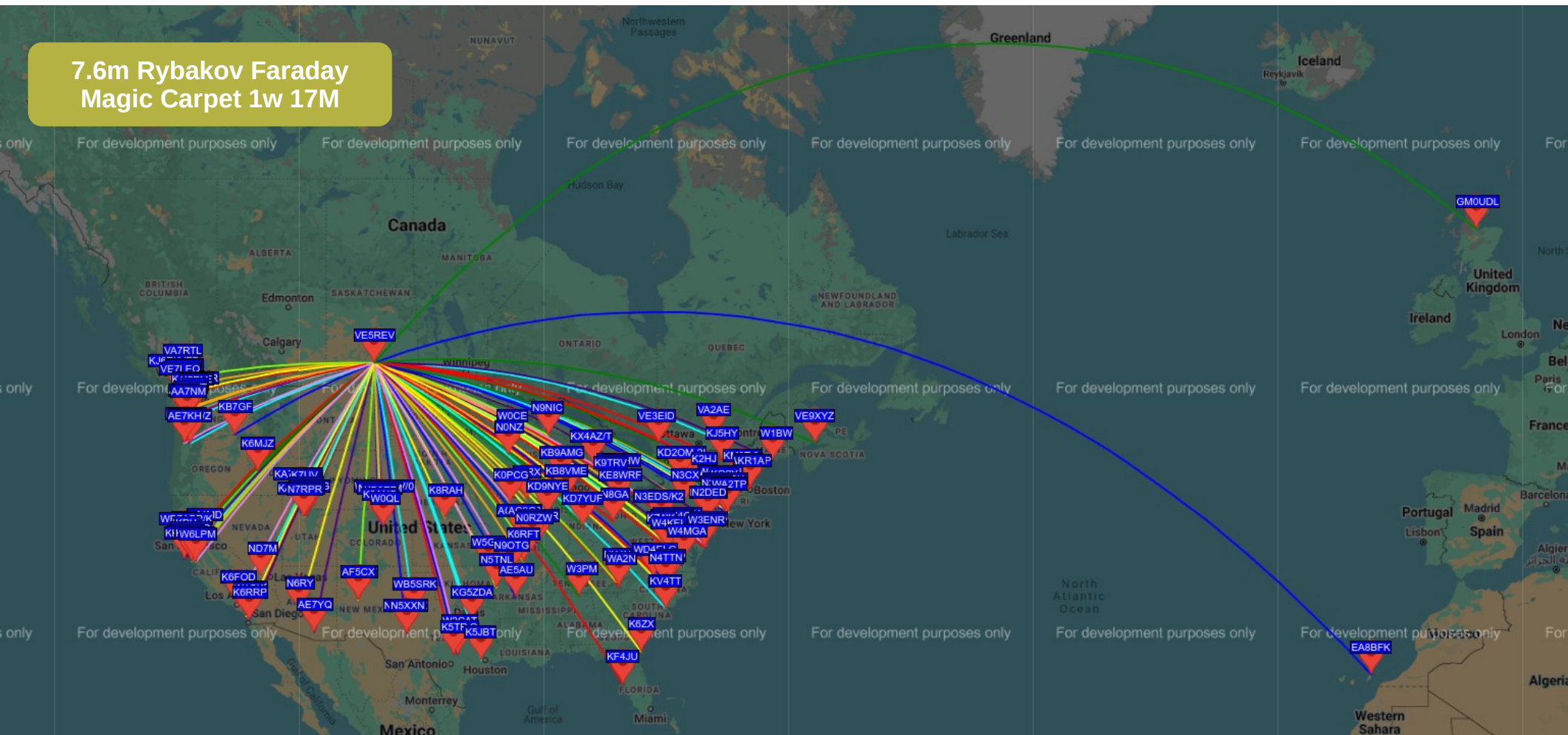


**7.6m Rybakov Faraday
Magic Carpet 1w 15M**

WSPR



**7.6m Rybakov Faraday
Magic Carpet 1w 17M**



7.6m Rybakov Faraday Magic Carpet 1w 20M

