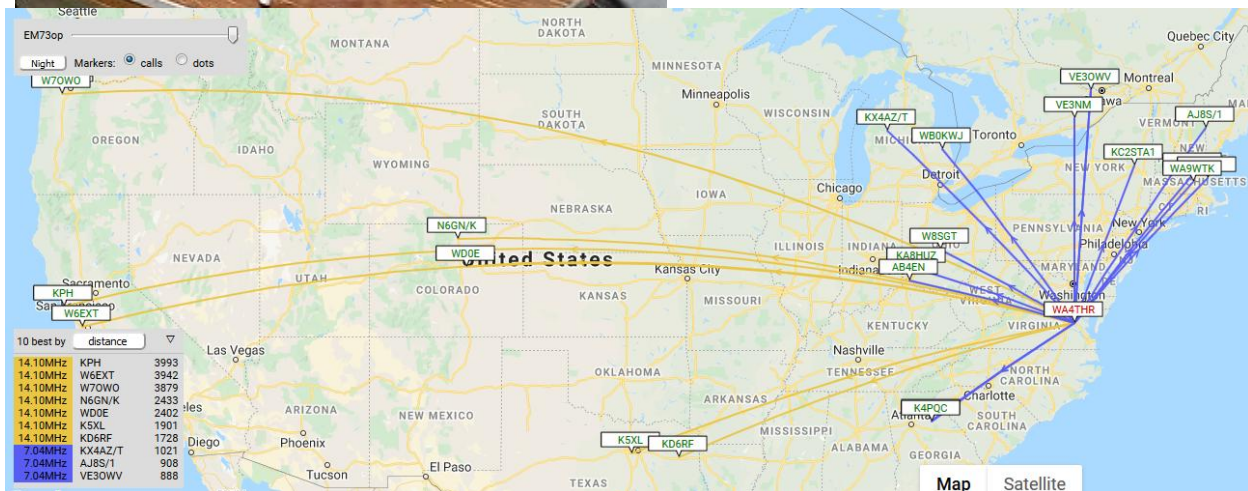


## Portable Loop Antenna at FrostFest



The ECARS table at the 2020 FrostFest in Richmond, VA, featured my portable QRP station. Besides my little uBitX running off a small lithium battery pack, what really drew interest was the loop antenna that could be disassembled and carried with the rig in a small cloth briefcase. This antenna covers from 3-19MHz with a power rating of up to 25w on SSB and tunes pretty quickly by “ear”, just peaking the receive noise on your rig while adjusting the antenna tuning knob. I added an SWR bridge and indicator to my rig so I could confirm my tuning and it was usually a 1.5:1 SWR or better just using the “listen” method. To test out and demo the station while we were inside the building I made a few WSPR beacon transmissions right where the rig sat. These last just under 2 minutes long and spots are reported back on various WSPRNET MAP sites. Those spots are shown below for 40m (blue) and 20m (yellow).

The antenna is made by a company called “Antennas4Less” and their website is here: <http://doxytronic.com/>



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WA4THR