

<https://Optical-EME.groups.io>

Moonbounce comms without the use of ham bands

Ever wonder what it's like to bounce radio signals off the surface of the Moon? So-called moonbounce or Earth-Moon-Earth communications?

Hams have been doing this for more than sixty years using VHF, UHF, and microwave antennas: Yagi-Uda arrays for the lower ham bands and parabolic dish antennas for microwave bands.

It is now possible to extend this beyond 275GHz with inexpensive diode lasers, modest telescopes, quantum photon detectors, and some electronic signal processing.

Hams do RF-EME now with Joe Taylor's K1JT wsjt-x software and small Yagi-Uda antennas on 2 meters emitting less than 100 watts.

Visit our group to see how it's done with visible light!

FCC allows licensed amateur radio operators to use, without a specific frequency allocation, unassigned frequencies greater than 275GHz.