

August 23, 2023

Federal Communications Commission  
Office of Engineering and Technology  
1270 Fairfield Rd.  
Gettysburg, PA 17325-7245

Request for OET Experimental License

Dear Sir:

On April 24, 2020, the FCC released a Report and Order and Future Notice of Proposed Rulemaking to expand unlicensed broadband operations into the 6GHz band, as a benefit to the public (FCC Record: FCC-20-51A1). Pursuant to said order, WiFires Communications LLC ("WiFires") hereby requests a Market Trial License in order to test available equipment within the U-NII-5 band.

The trial operations would involve field deployment and testing of Mimosa Networks' 6GHz radio technology on one tower in the state of Texas. The radio's throughput capabilities would be tested in the U-NII-5 band using 40MHz-wide channels, across approximately seven access points and 200 subscriber modules. The antenna gain is 18dBi.

The trial will involve approximately seven access points with less than 30 subscriber modules per access point.

The antenna model for the CPE model is C5x. The antenna gain is 25 dBi.

Participants in the study will be charged as WiFires tests the viability of the market.

WiFires's data collection program will operate without causing harmful interference to incumbent users. WiFires will work with any nearby licensed incumbent user that it identifies, based on data provided in the FCC's databases, to ensure that its operations will avoid harmful impact with such existing users.

If the Commission has any questions, please feel free to contact me at 312-841-9188.

Best Regards,

Liz Creekmore

312-841-9188

[liz@intelpath.com](mailto:liz@intelpath.com)