

February 8, 2024

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, SOS Communications, LLC hereby requests an Experimental License in order to test available equipment within the U-NII-5 and U-NII-7 bands.

The experimental operations would involve field deployment and testing of Tarana' 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 and U-NII-7 bands using 80MHz-wide channels, across approximately four access points and approximately 100 CPE total (no more than 25 CPE per access point). The antenna gain of the Sector Antenna is 17dBi. Customer is requesting up to 25 CPE per access point, totaling 100 on this application, to test both speed and congestion, before making a determination if they can invest in deploying 6GHz as this particular tower location.

The antenna model for the CPE model is G1-RN6AHB012. The antenna gain is 17 dBi.

Participants in the study will not be charged and equipment will be retrieved at the close of the study.

SOS Communications, LLC 's data collection program will operate without causing harmful interference to incumbent users. SOS Communications, LLC 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,

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