

STA Application Exhibit – Purpose of Operation

FCC File: 1972-EX-ST-2023

Applicant: Lynk Global, Inc.

Companion License Request for JHU-Applied Physics Lab, File 1899-EX-ST-2023

Lynk Global, Inc. (Lynk) is supporting Johns Hopkins University Applied Physics Laboratory (JHU-APL) on US Government contract N0002422D6404 to demonstrate Two-Way Satellite Time Transfer (TWSTT) using ground-based TWSTT modems in conjunction with Lynk LEO NGSO satellites.

Lynk Tower satellites 1-4 will receive TWSTT signals transmitted by a JHU-APL ground-based TWSTT modem and will transmit the received TWSTT signals to the ground on a second RF channel, where the signal is received by a second JHU-APL ground-based TWSTT modem.

The reason that a STA is required for this effort is that the TWSTT experiment requires Lynk satellites to transmit at 898.5MHz and 937.5MHz, frequencies that have not previously been authorized by the FCC for Lynk satellites (IBFS File SAT-LOA-20210511-00064, Call Sign S3087). All other characteristics of the Lynk satellites are the same as have been currently authorized, including orbital parameters, transmit power levels, and other system parameters.

The experiments will be coordinated closely with the current FCC Licensee for these frequency bands.

Lynk Contact for Further Information or for Stop-Buzzer:

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