

Application for Special Temporary Authority
Streaming Global
File No. 1929-EX-ST-2021

NARRATIVE EXPLANATION OF OPERATION AND FREQUENCY COORDINATION

The applicant, Streaming Global, is a technology company that provides high-quality, low-latency live and OTT video delivery and data stream technology, based in Alpharetta, Georgia. It is engaged, with private-sector partners and various segments of the Department of Defense (DoD), in planned demonstrations and proof-of-concept testing at various military facilities throughout the United States using spectrum allocated to the United States Government.

In June of 2021, Streaming Global was issued a grant of Special Temporary Authority to conduct testing of MIMO radio equipment at and near its headquarters, preparatory to integrated testing and proof of concept demonstrations at United States military bases. See, WS9XFS, File No. 0846-EX-ST-2021. The course of testing was greatly facilitated by this STA grant, but the testing was delayed somewhat and further tests are being conducted now and will be during the early part of 2022. The current STA, effective on 24 June, 2021, will expire on December 24, 2021. We respectfully request a single additional STA, to commence December 26, 2021 and to continue until June 25, 2022, with identical operating parameters to those of WS9XFS and subject to the same conditions as in that STA grant. No interference has been reported during operation pursuant to the initial STA operation.

Regulatory approvals for demonstrations of the finished product, when they occur, will be handled by various branches of the military and by DoD, through NTIA, as will necessary frequency assignments. However, in preparation for the demonstrations and tests to be conducted pre-integration, Streaming Global wishes to continue to test hardware it has obtained for integration in the systems under test, for very brief periods, from time to time during the next six months, in a geographic area surrounding the corporate headquarters of Streaming Global in Alpharetta, Georgia, near Atlanta.

The testing pursuant to this STA in Georgia is being done terrestrially only, using two models of Silvus Streamcaster MIMO radios, transmitting 20M0D7W emissions, with very low duty cycles and at very low power spectral density. The radios transmit at 4 and 8 watts TPO and ERP in the bands 1370-1440 MHz and 2390-2420 MHz.

Operation is to be centered at the applicant's corporate headquarters located at 6 Main Street, Alpharetta, Georgia 30009 and within a radius of 25 miles of that centerpoint.

The "Stop Buzzer" contact for this test will continue to be Mr. Craig Murphy, the Vice President for Product at Streaming Global. His mobile number is 770-633-1051.

The purpose of this STA is limited to final preliminary testing of hardware, preparatory to future demonstrations of products which would be deployed only by branches of the United States

Military. Those future demonstrations will not occur in the area in which this STA operation is located, but will occur instead only on military base facilities arranged by the Department of Defense.

Should any report of interference be received, which is unexpected, all testing will cease immediately, and the devices will not be operated at all unless and until the interference has been resolved to the reasonable satisfaction of the complainant.