

**Introduction:**

By the instant application (“Application”), Saankhya Labs requests that the Commission grant Special Temporary Authority (STA) to operate the facilities specified in the instant Request for Special Temporary Authority for the period of April 21 to April 28, 2022.

The STA will be used for demonstration purposes at the National Association of Broadcasters Show within the Las Vegas Convention Center to educate the industry on the capabilities of the newly developed equipment discussed below.

**Purpose of the Operation:**

Saankhya Labs requests authorization to test a prototype Direct to Mobile Broadcast system. This 5G Broadcast technology is a critical component of several solutions Saankhya Labs plans to introduce for Direct to Mobile Broadcasting services.

5G Broadcast solution is a fifth-generation data transmission solution that will allow more devices to access voluminous data simultaneously, via a single broadcast. This technology will optimize the delivery of linear and OTT content from streaming services. The system will significantly reduce network congestion, allow for faster downloads, and provide a better user experience for consumers. The applications for 5G Broadcast solution include “Direct to Mobile” broadcast, Push and Timed OTT Delivery, Firmware-over-the-air (FOTA) and Software-over-the-air (SOTA) for connected cars among others.

The proposed experiment will be conducted in connection to potential deployments of the technology described above.

**Interference Mitigation:**

Saankhya Labs is aware of its obligations under the Commission’s rules to avoid interference to existing licensees in non-experimental services. Saankhya Labs will take all necessary steps to ensure compliance with this obligation. In particular, the following factors will help mitigate any interference issues:

1. Operation will be limited in time and location.
2. Saankhya Labs will be operating on vacant co-channel spectrum which has been identified to eliminate interference to existing broadcast facilities.
3. Overall, Saankhya Labs expects that it will test the product no more than 7 days during the requested STA period.
4. There will be no outdoor testing. At the power level specified in the application, no interference outside of the convention center is expected.

**Stop Buzzers:**

The following will be onsite, and available by wireless telephone to serve as the “stop buzzer” if any issues arise during testing:

- Louis Libin, VP, Sinclair Broadcast Group, Inc., 526-374-6700
- Prashant Maru, VP in Saankhya Labs, 91-8080467111
- Krishna Kishore, Manager in Saankhya Labs, 91-9741811022