REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Pursuant to Section 5.61 of the Commission's rules, 47 C.F.R. § 5.61, Geoverse, LLC ("Geoverse"), the applicant, hereby requests Special Temporary Authority ("STA") under the Commission's experimental licensing rules. Geoverse is developing a unique Service Management System to complement enterprise deployments of LTE systems in Citizen Broadband Radio Service ("CBRS") spectrum. This management system is intended to provide both the enterprise network provider and participating mobile operators with detailed analytical information on the use of a network inside buildings, as well as to measure and manage service level agreements between the enterprise network provider and customers using the network from the mainstream mobile network operators.

The high-level architecture of the system to be tested is shown below.
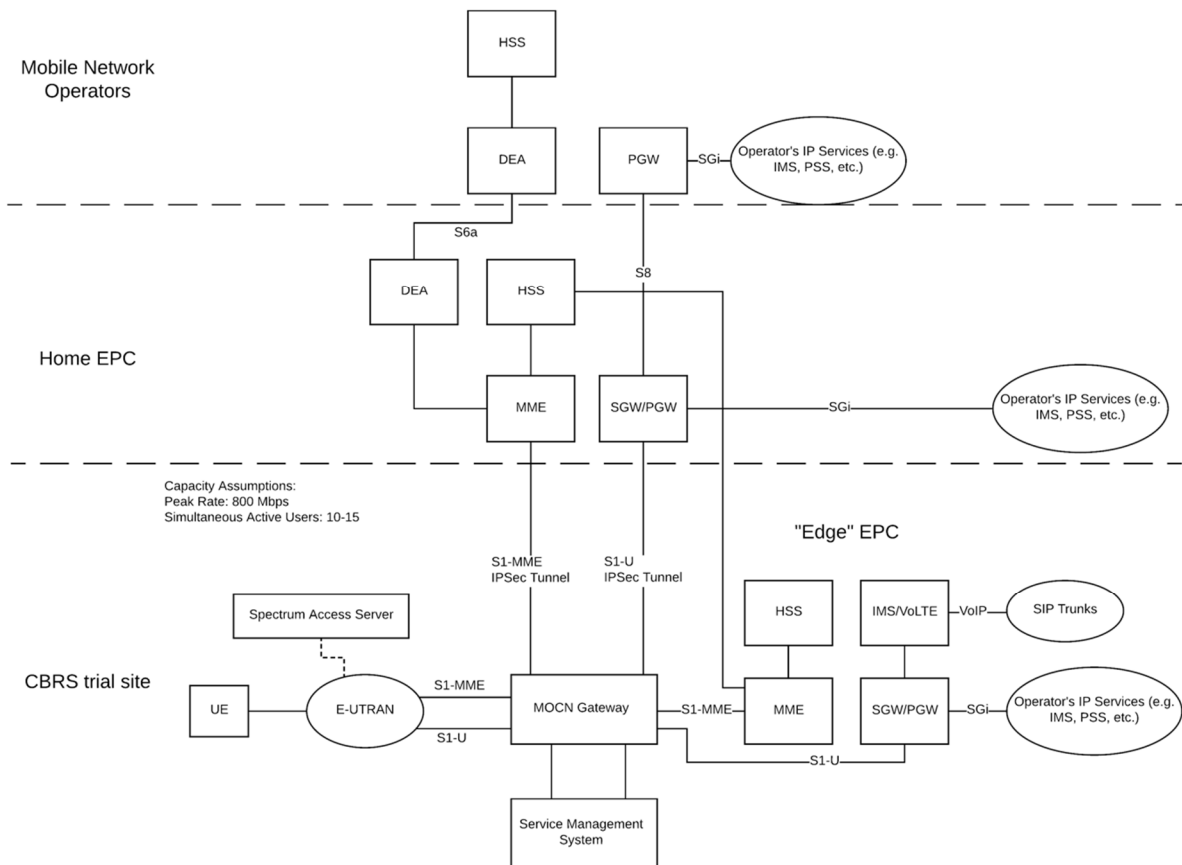
The purpose of the requested STA is to deploy an experimental network so that Geoverse can test its analytics and Service Management Systems. The test location is a private building of approximately 30,000 square feet of mixed use space including offices and open floor plans.

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Below is a diagram depicting Geoverse's proposed network design. The on-site server will host the MOCN gateway and the EDGE EPC. The Service Management System will be hosted in a public cloud environment.
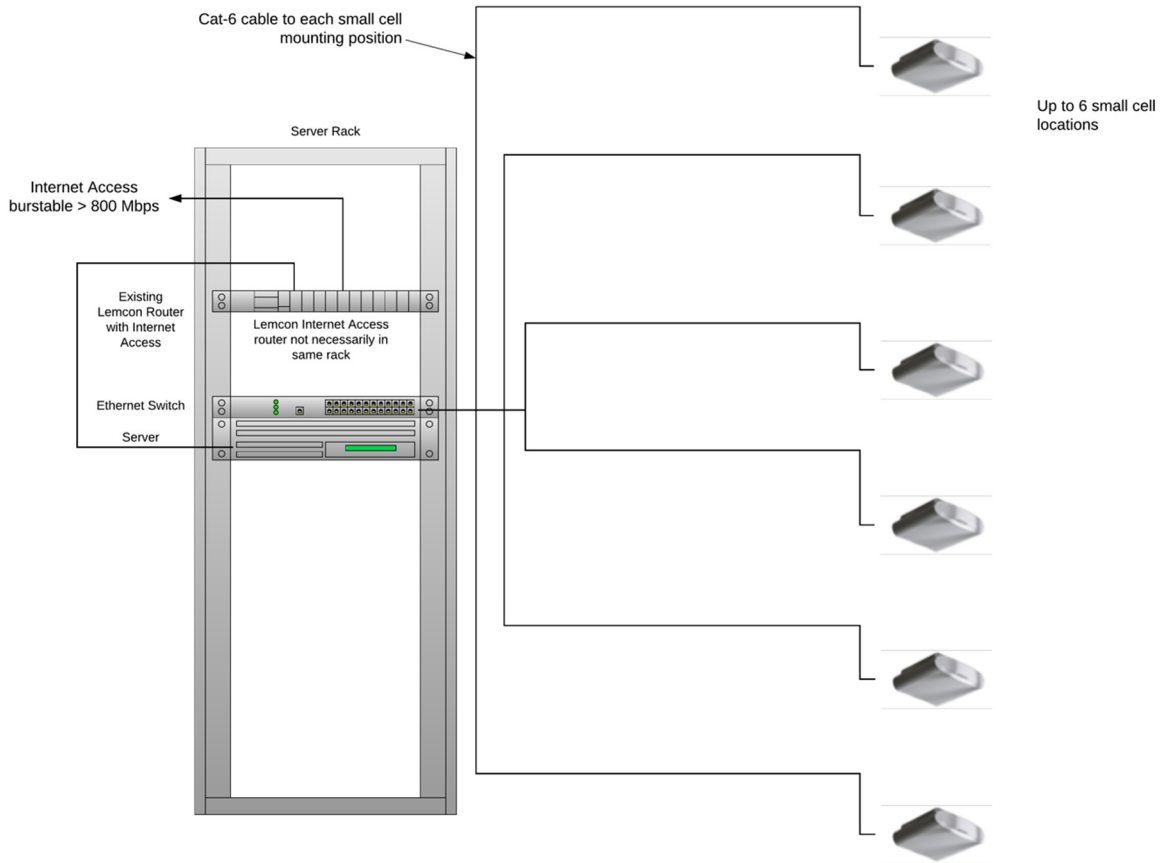
The CBRS small cells will be ceiling or wall mounted. Each small cell is expected to cover between 3,000 and 6,000 square feet. The main radio parameters of the equipment are:

Lower Frequency: 3650 MHz
Upper Frequency: 3700 MHz
Power: 250 mW
ERP: 1 W
Mean/Peak: Peak
Frequency Tolerance: 0.00200000
Station Class: Fixed
Modulating Signal: Type "BPSK, QPSK, 16QAM, 64QAM"

Geoverse proposes to deploy and operate this experimental network in order to:

- Evaluate the ability to connect Citizen Broadband Service Devices ("CBSDs") to the planned core network of Geoverse;
- Confirm the coverage area of CBSDs and verify performance, including mobility between small cells;
- Demonstrate services across a variety of enterprise types, including office work and IoT applications for in enterprise office applications;
- Evaluate the ability of Geoverse to deploy its proprietary service management components to measure the services provided within the CBRS network;
- Ascertain whether the Geoverse network components can accurately measure the customer experience provided by the CBRS network; and
- Determine if the Geoverse network components can store and distribute useful reports of the customer experience on the CBRS network.