Sunesys Enterprise LLC
Attachment to Special Temporary Authority
File No. 1273-EX-ST-2017

NARRATIVE STATEMENT

Pursuant to Section 5.61 of the Commission's rules, 47 C.F.R. §5.61 (2017), Sunesys Enterprise LLC ("Sunesys") hereby respectfully requests special temporary authority beginning September 25, 2017 to test prototype equipment in the 3.5 GHz band.

In support of this request, the following is shown:

1) Applicant's Name, Address, and FCC Registration Number ("FRN"):

Sunesys Enterprise LLC
1500 Corporate Drive
Canonsburgh, PA 15312
FRN: 0025286014

2) Description of Operation and Purpose of Test:

Consistent with the operating parameters of existing Sunesys STA (File No. 1064-EX-ST-2017), this special temporary authority will allow Sunesys to test indoor small cell prototype equipment in the Celebration, Florida area. Sunesys will deploy a small cell network, exclusively indoors, to test the end-to-end functionality of 3.5 GHz hardware. This testing will include access points, core network, and user devices.

3) Dates of Operation:

September 25, 2017 to March 25, 2018

4) Class(es) of Station(s):

Sunesys will utilize a variety of fixed and mobile transmitters for the indoor testing. Operations will be limited to 2 kilometers around the fixed location provided below.

5) Location(s) of Proposed Operations:

28° 19' 16.27" N 081° 33' 10.89"W
1142 Celebration Boulevard
Celebration, FL 34747
Operations within 2 kilometers of this fixed location.

6) Equipment To Be Used:

Sunesys will be testing equipment in-building only, with up to 3 fixed prototype transmitters and 4 mobile prototype transmitters.

7) Frequencies Desired:

3550-3700 MHz.

8) Power Levels:

1.6 W of output power; 30.5 W ERP peak for fixed transmitters.

0.1 W of output power, 0.1 W ERP peak for some mobile equipment.

0.1 W of output power, 5 W ERP peak for some mobile equipment.

9) Type of Emission, Modulation Technique, and Bandwidth Required:

20M0W7W; 40M0W7W

10) Overall Height of Antenna(s) Above Ground/Orientation:

Antennas will be omni-directional. Antennas will not extend more than 6 meters above the building or structure mounted on.

11) Contact Information

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