

Narrative Statement

Purpose: This experimental authority is necessary for the continued development of 5G technology. T-Mobile will continue conduct trials of the 3GPP standardized version of 5G (5G NR) in “non-standalone” mode. This experimental authority will provide the required LTE carrier to act as the “anchor” for Dual Connectivity with 5G NR. All 5G transmission will be made using the 28 GHz and 39 GHz bands under T-Mobile’s existing experimental authorization, call sign W12XHR (File No.: 0056-EX-CR-2018).

Currently, these trials under done under experimental special temporary authority, call sign WN9XAW. That authority expires on 03/01/2019.

Spectrum Requested: T-Mobile requests use of the AWS-3 G-Block (1755-1760 MHz / 2155-2160 MHz) in the Bellevue, WA area for transmission of the LTE “anchor” carrier signal. T his spectrum is currently licensed to SNR Wireless LicenseCo, LLC under call sign WQWQ994. Although, licensed, service has not yet been deployed and the spectrum remains unused. Therefore, operation will not cause harmful interference to any Commission licensed station.

Non-interference Condition: T-Mobile is familiar with the use of this band. T-Mobile also acknowledges its obligation under experimental authority to neither cause harmful interference to and accept harmful interference from, any station operating in accordance with the Table of Frequency Allocations of part 2 of the Commission’s rules (47 CFR § 2.106).

Federal Users: T-Mobile acknowledges that the requested frequency band had previously been allocated for federal government use and that under the transition plan adopted to provide for non-federal use, some federal stations may still be operating in the band. T-Mobile does not believe that any federal operations will be affected by operation of this experimental authority. However, T-Mobile will abide by any requirements the Commission may impose regarding federal stations. In addition, T-Mobile will designate a stop buzzer point of contact, as specified below, in the unlikely event that harmful interference were to occur.

Stop Buzzer Point of Contact:

John Hunter

John.Hunter21@T-Mobile.com

(202) 654-5907

Antenna Information: The trial will use standard 65 degree beamwidth antennas as used in T-Mobile’s existing commercial network to achieve full 360 degree coverage around each site. Therefore, specific data for azimuth and elevation are not applicable.

February 19, 2019