

### **Description of Application**

By the associated FCC Form 442, T-Mobile License, LLC, requests special temporary authority (“STA”) for its affiliate, T-Mobile USA, Inc. (“T-Mobile”) to operate on spectrum in the 2570-2630 MHz band (the “2.5 GHz band”) in the Philadelphia, Pennsylvania area that is currently licensed or leased to Sprint Corporation or one of Sprint’s affiliates (collectively “Sprint”). Grant of this application will permit T-Mobile to begin to assess how best to evaluate the use of 2.5 GHz spectrum in its current Fifth Generation New Radio (“5G NR”) operations.

The Commission approved the proposed transaction between T-Mobile’s parent – T-Mobile US, Inc. and Sprint on October 16, 2019.<sup>1/</sup> The Commission’s decision found that one of the public interest benefits of the proposed transaction would be the rapid deployment of a new 5G wireless network. Grant of the STA – and the ability to test 2.5 GHz equipment with T-Mobile’s existing network<sup>2/</sup> in Philadelphia – will enable T-Mobile to more quickly integrate the use of 2.5 GHz spectrum into its operations throughout the country upon closing of the transaction already approved by the Commission. Further, the testing will allow T-Mobile to consider real-world data from existing consumer devices capable of using the 2.5 GHz band.

All of the spectrum on which T-Mobile will operate is either licensed or leased to Sprint. Sprint has consented to T-Mobile’s use of the spectrum and will notify its lessees of the proposed operation of the spectrum by T-Mobile. Accordingly, T-Mobile has coordinated its proposed operations with any entity that could receive potential interference from the requested use of the band. Nevertheless, T-Mobile recognizes that experimental authorization is issued on a secondary basis, and if any primary licensee experiences interference from T-Mobile’s operations, T-Mobile will immediately remediate that interference and terminate operations on any affected spectrum if required.

Moreover, T-Mobile has established a point of contact identified below with “kill switch” authority should any interference occur to primary licensed services:

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<sup>1/</sup> See *Applications of T-Mobile US, Inc., and Sprint Corporation, et al.*, Memorandum Opinion and Order, Declaratory Ruling, and Order of Proposed Modification, 34 FCC Rcd 10578 (2019).

<sup>2/</sup> In particular, T-Mobile had begun to introduce 5G NR equipment capable of combining LTE technology using PCS and AWS-1 spectrum for which it is licensed, under call signs KNL715, WPOJ699, WQGA731, WQQA473, and WQQZ829. T-Mobile also operates on other spectrum in the Philadelphia area that does not currently support 5G NR capabilities.

Should there be any questions regarding this application, the Commission is asked to contact Mr. Wiczorek.