

DESCRIPTION OF REQUEST

By the associated FCC Form 442, and pursuant to Section 5.61 of the Commission's rules,¹ T-Mobile License, LLC, requests special temporary authority ("STA") for a period of two years – beginning on grant of the application – for its affiliate, T-Mobile USA, Inc. ("T-Mobile") to operate on spectrum in the 3.7-3.8 GHz band (a lower portion of the "C Band") in and around the Las Vegas, NV; Houston, TX; Phoenix, AZ; Bellevue, WA, and New York, NY areas.

Commission grant of the requested STA will permit T-Mobile to begin to assess, in cooperation with equipment manufacturers, how to best evaluate the use of C Band spectrum for Fifth Generation New Radio ("5G NR") operations.

T-Mobile's proposed testing will include directional antennas. The width of beam will be 120 degrees at the half power point. Horizontal and vertical orientations will vary.

T-Mobile has identified Earth Stations in the proposed regions, and will coordinate operations under its experimental authorization with those Earth Station operators to avoid any potential disruptions to their operations. T-Mobile has established the point of contact identified below with "kill switch" authority should any interference occur to Earth Station licensees.

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¹ See 47 C.F.R. § 5.61.