

AST&Science
Amendment to Petition for Declaratory Ruling
SAT-PDR-20200413-00034

AST&Science (“AST”) is amending its application for U.S. market access for its SpaceMobile system. In particular, AST is updating the frequency range for which it seeks Federal Communications Commission (“Commission” or “FCC”) authority for transmission to handsets in certain mid-band spectrum. AST’s Petition for Declaratory Ruling (“PDR”) sought general authority for mobile handsets to access the SpaceMobile system in the 617-960 and 1710-2200 MHz bands.^{1/} As AST noted in its PDR, it expected that there possibly would be other frequencies where it would seek to provide service to mobile handsets.^{2/}

Subsequently, in response to a request for clarification from the FCC, AST explained that it would initially seek FCC authority to provide service to handsets on mid-band frequencies authorized for services under Parts 24 and/or 27 of the Commission’s rules.^{3/} Specifically, AST seeks to have SpaceMobile receive (uplink) on 1710-1780, 1850-1910, and 2305-2320 MHz and transmit (downlink) on 1930-1990, 2110-2180, and 2350-2360 MHz.^{4/} Because AST’s initial application did not specifically seek authority for 2305-2320 and 2350-2360 MHz, AST has filed this Amendment to request that authority. AST is submitting an updated Schedule S to reflect these changes. The Schedule S also inserts 1930-1970 MHz as a receive band.

Additionally, AST is submitting with this filing additional information regarding potential interference to other space stations (Downlink Interference Analysis) and orbital debris (Supplementary Orbital Debris Analysis).

Questions may be addressed to Sallye Clark, SClark@mintz.com, 202.434.7405, or Laura Stefani, LAStefani@mintz.com, 202.434.7387.

^{1/} IBFS File No. SAT-PDR-20200413-00034, Petition for Declaratory Ruling at n.18 and p. 8 (filed April 9, 2020).

^{2/} *Id.*

^{3/} *See* IBFS File No. SAT-PDR-20200413-00034, Letter at 1 (filed July 6, 2020).

^{4/} As explained in the PDR and subsequent letter, AST will operate under this authority only upon agreement with a partner carrier holding terrestrial licensees for a particular frequency block.