

STA Request  
E030115

Hawaii Pacific Teleport (HPT) requests special temporary authority (“STA”) to operate the subject C-band and Ku-band earth stations to provide in-orbit testing (“IOT”) services for certain C-band and Ku-band transponders on the recently launched EUTELSAT 172B (“E172B”) satellite<sup>1</sup> at the 176° E.L. orbital location. HPT requests this STA for the period of October 15, 2017 to November 15, 2017.

E172B is designed as a replacement for the EUTELSAT 172A (“E172A”) satellite at 172° E.L. and the subject transponders will be operated at its final location by ES 172 LLC, an indirect subsidiary of Eutelsat, S.A. (collectively, “Eutelsat”) (*see* FCC File No. SAT-RPL-20170927-00136). The information provided in Eutelsat’s replacement satellite application is hereby incorporated by reference.

The subject earth stations will test E172B’s C-band and Ku-band functionality in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) bands, and the 14.0-14.5 GHz (Earth-to-space) and 10.95-11.20 GHz, 11.45-11.7 GHz and 12.20-12.75 GHz (space-to-Earth) bands. HPT understands that, based on Eutelsat’s analysis and consultations with potentially affected parties, there is no reason to conclude that E172B’s temporary IOT operations in these bands at 176° E.L. will raise interference or other concerns. Nonetheless, to the extent harmful interference may occur, HPT commits to modifying or suspending its earth

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<sup>1</sup> EUTELSAT 172B launched under authority granted by France pursuant to the well-settled licensing processes of that nation and will arrive shortly at its IOT location. Because France is a WTO member nation, there is a presumption in favor of granting market access to allow U.S. earth stations to communicate with French-licensed satellites (assuming compliance with other applicable Commission rules and policies).

station transmissions to resolve such interference. Thus, HPT acknowledges that its earth station operations will be conducted on an unprotected, non-harmful interference basis.

After IOT, the E172B satellite will be located at 172° E.L. to support long-term service throughout the Asia-Pacific region, including Ku-band mobility applications, as indicated in the above-referenced replacement satellite application and an STA request filed by Panasonic Avionics to access the satellite (*see* FCC File No. SES-STA-INTR2017-02798). This request for short-term earth station operating authority to support IOT for E172B is essential to ensure proper functioning of the satellite and permit the near-term transition of traffic from E172A.

Attached is an Exhibit 1 – Technical Exhibit (Schedule B of Form 312) – detailing the requested operating parameters for IOT on the C-band and Ku-band operations. Attached as Exhibits 2 and 3 are Radiation Hazard Reports for IOT on the C-band and Ku-band operations. Attached as Exhibit 4 are Frequency Coordination Reports for IOT earth station operations.