

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

SES Americom, Inc. (“SES”), pursuant to Section 25.120 of the Commission’s rules, respectfully requests special temporary authority (“STA”) for a period of 30 days beginning October 23, 2020, to permit SES to operate an earth station in Guaynabo, Puerto Rico (“Puerto Rico Earth Station”) to support internet services for public and corporate users. The Puerto Rico Earth Station will communicate with the SES-14 Brazil-licensed spacecraft, which is on the Commission’s Approved Space Station List for service to the U.S. market.¹

Granting this STA will serve the public interest because the Puerto Rico Earth Station will be used to augment Internet connectivity services for public and corporate users in Puerto Rico. Puerto Rico’s communications networks have faced numerous challenges,² and grant of this STA would align with the Commission’s clear intent to support and promote broadband access throughout Puerto Rico.³

The Puerto Rico Earth Station will operate on a non-interference and unprotected basis. The Puerto Rico Earth Station will use conventional Ku-band frequencies, transmitting in 14.0-14.5 GHz and receiving in 11.7-12.2 GHz. A full description of the antenna and the proposed operations is provided in Annex 1.

The requested STA will allow SES to support internet services in Puerto Rico. Accordingly, and for good cause shown, SES respectfully requests that its STA be granted in time for it to commence operation under this 30-day STA on October 23, 2020.

¹ SES DTH do Brasil Ltda, Call Sign S2974, File Nos. SAT-PPL-20160918-00093, granted Feb. 9, 2017, & [SAT-MPL-20170606-00083](#), granted Sept. 9, 2017.

² In January 2020, “[a] series of earthquakes left Puerto Rico in the dark this week as power outages swept nearly the entire island.” Maria Gallucci, *Puerto Rico Goes Dark (Again) as earthquakes Rattle Island*, IEEE Spectrum, Jan. 10, 2020, <https://spectrum.ieee.org/energywise/energy/environment/puerto-rico-earthquake-power-outages-prepa-news>. On May 2, 2020, Puerto Rico experienced a 5.4 magnitude earthquake, causing communications and electrical power outages. *Chairman Pai's Response to Members of Congress Regarding Telecommunications Connectivity in Puerto Rico During the COVID-19 Pandemic*, May 26, 2020, <https://www.fcc.gov/document/chairman-pais-response-members-congress-regarding-puerto-rico>. Hurricanes Irma and Maria devastated Puerto Rico, wiping out “[m]ore than 95% of cell sites.” Ajit Pai, *In the Aftermath of Hurricanes Irma and Maria, Resilience and Challenges in Puerto Rico and the U.S. Virgin Islands*, March 19, 2020, <https://www.fcc.gov/news-events/blog/2018/03/19/aftermath-hurricanes-irma-and-maria-resilience-and-challenges-puerto>.

³ “The Federal Communications Commission today approved \$237.9 million in funding over three years to expand, improve, and harden mobile broadband networks in Puerto Rico and the U.S. Virgin Islands.” Fcc Authorizes \$237.9 Million To Expand, Improve, And Harden Mobile Broadband Networks in Puerto Rico And U.S. Virgin Islands (June 15, 2020), <https://docs.fcc.gov/public/attachments/DOC-364921A1.pdf>.

ANNEX 1: Operational Parameters

Site Details

Contact Information:

Charlie Attoum, Manager, Network & Service Operations
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Address:

243 State Road #2,
Guaynabo, Puerto Rico 00969

Geographic Coordinates:

18°24'23.94"N
66° 6'37.69"W

Antenna Specifications

Manufacture/Model: Global Skyware, 62-1225401/02

Antenna Size: 1.2m

Antenna Gain Transmit/Receive: 43.3dBi and 41.8dBi

Height Above Ground Level: 1m

Height Above Sea Level: 19.8 meters

Total Input Power at the Flange: 3watts

Total EIRP for All Carriers: 50 dBW

Emission Designators: 200KG1W; 1M60G1W; 10M0G7W; 36M0G7W