

From: Christopher Wilkins

To: Doug Young

Date: November 02, 2018

Subject: Request for Info - File # 1844-EX-ST-2018

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Message:

Information regarding the payload requiring re-radiation testing (as outlined in this application for STA):

The SpaceIL satellite (a former Google X-Prize participant) is a lunar lander. Successful moon landing will be validated by means of high definition photo and video content, which will be transmitted back to Earth. The spacecraft TT&C characteristics are : Tx (2280 MHz) & Rx (2099.5 MHz) via 4x LG (low gain) antennas [Gainmax = 5dBi , EIRPmax = 35 & 40dBm]. Digital content will be transmitted to Earth via 2x Tx (2280 MHz) HG (high gain) antennas [Gainmax = 12dBi , EIRPmax = 42 & 47dBm].

<https://www.nasa.gov/press-release/nasa-israel-space-agency-sign-agreement-for-commercial-lunar-cooperation>