

July 23, 2019

Federal Communications Commission
Office of Engineering and Technology
Experimental Radio Branch
Washington, DC 20554

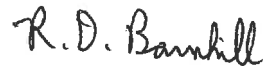
Re: Renewal of Experimental License WE2XSE

Dear Sir or Madam:

Orbital Sciences Corporation (Orbital) hereby requests renewal of experimental license WE2XSF, FCC File No. 0029-EX-TC-2018, for the explicit purposes of integration and testing of commercial communications satellites in the Ku-band. Approval of this experimental license will allow for timely verification of the command, control, and telemetry sub-system, as well as the audio/video communications payloads of each spacecraft. It must be stressed that Orbital strives to **eliminate** any stray emissions from its facility while testing satellites. Orbital performs all testing inside its facilities (metal buildings), shielded rooms, and/or anechoic chambers. Therefore, Orbital does not anticipate any additional coordination to be required. This license is needed in the event any stray radiation is transmitted into the local area. The parameters of the RF transmissions for this experimental license are unchanged from the current license.

Please call me (703-404-6530) if you have any questions concerning this application. Thank you in advance for your prompt attention to this matter.

Sincerely,

A handwritten signature in black ink that reads "R.D. Barnhill". The signature is written in a cursive, slightly slanted style.

Robert Barnhill, Senior Engineer
Northrop Grumman Innovation Systems
EMI/EMC, RF Test Group
Orbital Sciences Corporation
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