

Maris Developments

E181611

Request for Modification

On September 11, 2019, the FCC granted Maris Developments (“Maris”) authority to operate a fixed earth station located in Boardman, Oregon (the “Boardman Earth Station”; Call Sign E181611) utilizing certain X-band downlink and S-band uplink frequencies to communicate with the DigitalGlobe satellites (Call Signs S2129 and S2348) (“DigitalGlobe”).¹ On November 21, 2019 Maris filed a modification to add points of communication, uplink emissions, and a second pair of electrically-identical antennas.² Maris currently operates the second pair of electrically-identical antennas pursuant to special temporary authority.³

By this modification application, Maris seeks authority to transmit low-power emissions towards low earth orbit without a recipient space station on a non-interference, non-protected basis. As discussed with International Bureau staff, Maris will conduct long-term, intermittent, low-powered emission tests towards low earth orbit using the 2052.00 MHz frequency at 20W. These operations will not interfere with on-going operations in low earth orbit. Maris will immediately cease testing upon any reports from other operators of harmful interference into satellite receivers until an acceptable mitigation solution can be achieved.

In accordance with the Commission’s rules, Maris has filed the technical information relating to the proposed modification in Schedule B.⁴ As previously discussed with International Bureau staff, the electronic Schedule B requires the selection of a point of communication to validate the form and file the application. In order to complete this modification application, Maris has selected the DigitalGlobe WorldView-4 satellite as a point of communication; however, the emissions applied for in this modification will not actually be transmitted to or received by DigitalGlobe WorldView-4.

For the reasons set forth above, Maris respectfully requests that the Commission grant this modification application.

¹ See SES-LIC-20180827-02512 (granted Sep. 11, 2019).

² See SES-MOD-20191121-05144 (filed Nov. 21, 2019).

³ See SES-STA-20191029-01375 (granted Nov. 13, 2019); *see also* SES-STA-20191202-01570 (filed Dec. 2, 2019).

⁴ 47 C.F.R. § 25.115.