

To: Carlos Riopedre  
E-Mail: carlos.riopedre@sateliot.space  
From: Doug Young  
Date: August 13, 2021

Subject: Request for Info - File # 0943-EX-ST-2021

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Message:

The FCC's International Bureau/Satellite Division requests that you address the issues below:

() Please provide NARRATIVE EXPLANATION OF OPERATION and Technical Parameters for Sateliot's LEO satellites (UK-licensed) and 5 unites of user terminals (or earth stations) located at Las Cruces, NM.

() Please provide the size (meter), antenna gain (dBi), input power at antenna flange (watts), and EIRP (dBW) of the proposed user terminals operating in the 400.007-400.033 MHz band.

() Please provide Specification data sheet from manufacture or the antenna patterns for Custom made user terminal antennas:

Co-polarized gain in the azimuth plane and elevation plane.

(a) Co-polarized gain in the azimuth plane must be measured across a range extending to 180° on each side of the main-lobe axis, and the measurements must be represented in two plots: one across the entire angular range of  $\pm 180^\circ$  from the main-lobe axis and the other across  $\pm 10^\circ$  from the main-lobe axis.

(b) Co-polarized gain must be measured from 0° to 10°, 0° to 40°, 0° to 180°, from beam peak in the elevation plane.

(c) Cross-polarization gain must be measured across a range of plus and minus 0° from beam peak in the azimuth and elevation planes.

() Please clarify and confirm that applicant is the "owner" of 5 unites of user terminals (or earth stations) which will be used to conduct tests involving 5G Internet-of-Things type of communication "directly" to the Sateliot's 3B5GSAT (NORAD 47691) NGSO satellites.

() Please provide a copy of Space station licenses of the UK-licensed non-geostationary orbit ("NGSO") 3B5GSAT (NORAD 47691) satellite that show: 1) the proposed 400.007-400.033 MHz band was already licensed under the authority of United Kingdom, 2) the satellite's uplink and downlink frequency bands, 3) the satellite's the TT&C frequency bands, and 4) the frequency bands of gateway operations, if any.

() Please provide the ITU link of Spain ITU filing (SATELIOT\_UHF, notice id 120520046) that registered the uplink (i.e. 400.007-400.033 MHz) and downlink frequency bands, TT&C frequency bands, and gateway frequency bands operated by the Sateliot's 3B5GSAT (NORAD 47691) LEO satellites (UK-licensed).

() Please provide 3B5GSAT satellite's transmit frequency band? (understanding that it doesn't need to be listed on the Form 442).

() Please provide an ODAR (orbital debris information) for the Sateliot's 3B5GSAT (NORAD 47691) LEO satellites (UK-licensed) —see 47 CFR Section 5.64(b).

() Please provide a copy of the UK space station license and a statement, with any supporting documentation, indicating the country that will provide registration information for the satellite to the UN Office of Outer Space Affairs.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of August 13, 2021 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number : 63994