

From: Jacob Portukalian

To: Doug Young
Date: July 19, 2019

Subject: Request for Info - File # 1319-EX-ST-2019

Message:

1. We are launching a customer payload into orbit, which does transmit, which I assume will require a separate license applied for by the customer. This customer already has a constellation in orbit so I believe they have a current license. Yes, we have done orbital debris analysis.

2. Both the 2211 and 2215 frequencies are used during 1st stage burn. The 2211 MHz transmitter is on the upper stage and the 2215 MHz transmitter is on the 1st stage. After stage separation, the 1st stage will fall into the ocean and the 2215 MHz transmission will end. Only the 2211 MHz transmitter will get inserted into orbit and only that frequency will be turned on during the subsequent pass over Kodiak ~85 minutes later.