

From: Joe Thorsheim

To: Leann Nguyen

Date: September 17, 2020

Subject: Request for Info - File # 0754-EX-CN-2020

---

Message:

1. The justification for using a very wide frequency range of Educational Broadband Service and Broadband Radio Service from 2496 MHz to 2690 MHz. Any specific reasons not to choose the other bands rather than EBS and BRS spectrum?

Response: 2496-2690 MHz was chosen to give Boeing the option to test the full capability of the Sierra Wireless module. 2496-2690 specifically supports LTE Frequency Band 41 per Part 27 of the FCC rules. 2496-2690 MHz is listed on the FCC Grant of Equipment Authorization for the Sierra Wireless equipment under FCC Identification N7NEM75S (attached).

2. How to avoid harmful interference to EBS/BRS operations.

Response: Boeing will be working with one of the wireless carriers to obtain wireless service and the LTE Band 41 (2496-2690) will only be used if the wireless carrier supports the use of that band and is authorized to use Band 41 in a specific area. If the wireless carrier does not support LTE Band 41 then Boeing will not be using it.