

6 June 2016

Subject: Engineering Certification of [EchoStar Satellite Operating Corp.] ("ESOC") for the AMC-2 Satellite

To whom it may concern,

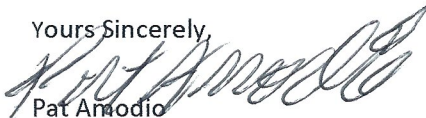
This letter confirms that EchoStar is aware that Global Eagle Entertainment, Inc., licensed by the Federal Communications Commission ("FCC") as Row 44, Inc. ("Row 44"), has filed an application seeking a modification to its blanket authorization (the "Modification Application") to operate Ku-band Earth Stations Aboard Aircraft ("ESAA") transmit/receive terminals (Call Sign E080100) pursuant to ITU RR 5.504A and Section 25.227 of the Commission's rules, on domestic and international flights. Among other changes, the Modification Application is seeking authority for Row 44's ESAA terminals to communicate with the AMC-2 satellite at 85° W.L., under the current ESAA rules, including Section 25.227¹.

Based upon the contents of the Modification Application and the representations made to SES by Row 44 concerning how it will operate on AMC-2 according to its letter dated June 1, 2016:

- EchoStar acknowledges that the proposed operation of the Row 44 ESAA terminals has the potential to create harmful interference to satellite networks adjacent to AMC-2 that may be unacceptable.
- EchoStar certifies that it has completed coordination as required under the FCC's rules and that the power density levels specified by Row 44 are consistent with existing coordination agreements to which EchoStar is a party with operators of adjacent satellites within +/- 6 degrees orbital separation from AMC-2.
- If the FCC authorizes the operations proposed by Row 44, EchoStar will include the power density levels specified by Row 44, defined within the coordination agreement, in all future satellite network coordination with operators that are adjacent to AMC-2.

EchoStar has also reviewed the discussion in the Modification Application regarding the off-axis EIRP density of Row 44 antennas communicating with AMC-2 in directions other than along the GSO plane. EchoStar is of the view that the non-compliant emissions would not create interference to Ku-band geostationary satellites.

Yours Sincerely,



Pat Amodio
Director, Spectrum Development
EchoStar Satellite Operating Corporation

¹ 47 C.F.R. § 25.227.