10 March 2015

VIA ELECTRONIC FILING

Ms. Marlene Dortch
Federal Communication Commission
445 12th Street SW
Washington, DC 20544

Dear Ms. Dortch

Re: Hughes Network Systems, LLC Modification to Jupiter 97W Authorization (File Number SAT-MOD-20141210-00127)

At the request of Federal Communications Commission (FCC) staff, Hughes Network Systems, LLC (Hughes) is providing the following information with regards to the JUPITER 97W satellite.

First, attached is a data file which contains updated GXT files. These files have been modified from their previous submission in order to correct the header information so as to align it with the pending modification.

Second, in regards to the saturation flux density (SFD) for receive beams oriented towards gateways, the values will range from -78 to -98 dBW/m^2 when automatic level control is not used. For receive beams oriented towards the user terminals, the SFD will range from -94 to -74 dBW/m^2 when automatic level control is not used. For cases when the automatic level control system is enabled, there is no saturated flux density.

Finally, the maximum EIRP density for beams oriented towards either gateways or user terminals is 41 dBW/MHz. The EIRP density for telemetry is of 17 dBW/MHz.

Please let me know if you have any questions or need additional information.

Best regards

Steven Doiron
Senior Director, Regulatory Affairs
Hughes Network Systems

Attachments: (1)

cc. Jose Albuquerque, Stephen Duall, Kal Krautkramer, Kathyrn Medley, Clay Decell