

January 20, 2012

BY ELECTRONIC FILING

Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

Re: *IBFS File No. SAT-MOD-20111128-00229*

Dear Ms. Dortch:

At the request of the International Bureau staff, DIRECTV Enterprises, LLC (“DIRECTV”) hereby provides the following technical information to supplement its submission on the predicted transmitting antenna off-axis gain information for DIRECTV RB-2. As demonstrated in Table 1 below, the satellite will not exceed the -117 dBW/m²/100 kHz power flux-density (“PFD”) coordination trigger with respect to any DBS satellite located more than 0.08° away. Since DIRECTV RB-2 is licensed to operate at 102.825° W.L. and the nearest prior-filed U.S. DBS space station is DIRECTV 4S, located at 101.2° W.L. (*i.e.*, over 1.5° away, net of station keeping allowances), the spacecraft will not trigger the PFD threshold at any relevant location.

Max EIRP from Sched S (dBW/36 MHz)	58
Peak TX Antenna gain from Sched S (dBi)	36.5
Max power into antenna (dBW/36 MHz)	21.5
Max power density into antenna (dBW/100 kHz)	-4.1
Max off-axis predicted antenna gain (dBi)	-7
Max off-axis EIRP density (dBW/100 kHz)	-11.1
Coordination trigger value (dBW/m ² /100 kHz)	-117
Req'd spreading loss to meet coord trigger (dB-m ²)	105.9
Req'd distance to achieve spreading loss (km)	55.9
Geocentric orbital separation equal to 55.9 km (deg)	0.08

Table 1. Orbital Separation Required to Meet Coordination Trigger

In addition, this is to confirm that DIRECTV does not plan any orientation bias or change in operating orientation relative to the reference coordinate system for this spacecraft. *See* 47 C.F.R. § 25.264(a)(5).

WILTSHIRE & GRANNIS LLP

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Should you have any questions, please do not hesitate to contact me.

Respectfully submitted,

/s/

William M. Wiltshire
Counsel for DIRECTV

cc: Diane Garfield