

May 27, 2010

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

Re: ***Request for Special Temporary Authority for In Orbit Testing of
DIRECTV 10 to 102.6° W.L.***

Dear Ms. Dortch:

At the request of the International Bureau staff, DIRECTV Enterprises, LLC (“DIRECTV”) hereby provides supplemental technical information on the operations proposed for in-orbit testing of the DIRECTV 10 satellite under its pending request for Special Temporary Authority (“STA”).¹

All testing will be conducted using the satellite’s spot beams, operating in the 18.58-18.8 GHz band. During the vast majority of the testing, downlink EIRP will be less than 44 dBW, resulting in a power flux-density (“PFD”) at the Earth’s surface of less than -118 dBW/m²/MHz regardless of the carrier modulation type used. During these portions of the testing, two emission types will be used: N0N and 36M0G7W. A few tests may involve an unmodulated (*i.e.*, CW) carrier with satellite EIRP less than 65 dBW, which results in a PFD at the Earth’s surface of up to -97.5 dBW/m²/MHz. As described in the original STA request, episodes during which the PFD levels will exceed -118 dBW/m²/MHz will be very short and transient across different frequencies, and will only occur in the limited geographic area shown in that submission.

In addition, during testing and subsequent migration of the satellite back to its licensed orbital location, DIRECTV’s TT&C operations will have the following characteristics:

| | | |
|-----------|-------------------------------|---------|
| Command | 29251.00 MHz and 29493.00 MHz | 1M30F9D |
| Telemetry | 18300.25 MHz and 18300.75 MHz | 106KG9D |

¹ See IBFS File No. SAT-STA-20100525-00107.

WILTSHIRE & GRANNIS LLP

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If you have any questions or require any additional information, please do not hesitate to contact me.

Respectfully submitted,

/s/

William M. Wiltshire

Counsel to DIRECTV Enterprises, LLC