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To:

James Burtle
Chief, Experimental Licensing Branch
Federal Communications Commission

Darmstadt, den 1. Februar 2007
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Expedite request for FCC Experimental Licencing

STA-FILE-No.: 0893-EX-ST-2006
STA confirmation No. : EL949966

Dear Mr. Burtle,

My name is Ulrich Bieg, a research associate at the Technical University of Darmstadt (Germany). We got funding from the German Research Foundation for a field campaign in Death Valley this year. This is a university joint venture between the University of Darmstadt (Germany), University of Hannover (Germany) and the University of Utah. We are geologists and interested in the internal composition of alluvial fans. We want to test the utility of using ground-penetrating radar (GPR) in three-dimensionally imaging alluvial fans. The knowledge of these stacking patterns will enable us to draw conclusions about the activity of alluvial fans in their geological past. Unravelling the geological history of alluvial fans helps us to understand, when and under which conditions natural hazards i.e. debris flows (due to landslides) and flash flood disasters are triggered.

We already got the necessary research permit from the Death Valley National Park authority. Due to extreme climate conditions in the Death Valley our field campaign is only possible in a narrow time frame (from February to April). Most of the organizational stuff is already done (flights are booked for 7 persons etc.). It is only left to get the equipment through the customs. Therefore, we urgently need the FCC experimental licence latest at the beginning of next week (4th of February). Otherwise, we have to cancel the international research project.

Sincerely,

Dr. Ulrich Bieg