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Federal Communications Commission
Office of Engineering & Technology
Washington, DC

Re: Special Temporary Authority Request

We, the Lockheed Martin Corporation, are requesting this Special Temporary Authority for operations at our Goodyear, Maricopa County, AZ facilities. The basis of this request is as follows;

LM is demonstrating a state of the art airborne IP networking scheme. This flight demonstration operation will push the development of the software defined radio area of communications by passing data across 4 nodes 3 of which are airborne. LM requires frequency transmission permission in order to test out these added capabilities of Mobile Ad Hoc Networking (MANET), Very Wide Bandwidth Networking Waveform (VBNW) network through put, chat and web browsing as well as Link 16 for crossbanding to VBNW.

I you have any questions regarding the technical aspects of this request, please contact Daniel A. Cuning Program Manager, at the following 703/367-4397 or by email at daniel.a.cuning@lmco.com . If there are questions regarding the application, please contact the undersigned.

Very Truly Yours,

Claude E. Wells
Corporate
Tech. Support Analyst