

Application for Extension of Experimental Special Temporary Authority
(Call Sign WG9XVW)

BirdsVision Ltd. ("BirdsVision") is herein seeking to extend and augment the parameters of its existing Special Temporary Authority ("STA"), issued under Part 5 of the Commission's rules.¹ As in the initial request for STA, BirdsVision is herein seeking continued authority to operate at two (2) rural locations in Wyoming in order to test an avian detection and deterrence system at two (2) operating wind energy projects.

Wind turbine-generated electric power is of great interest today in the United States to reduce greenhouse gas emissions. A strong interest exists within the wind energy industry to minimize the detrimental effects of wind turbine operations on birds. PacifiCorp Energy has sponsored a test of the BirdsVision WindSafeFlight™ avian detection and deterrence system at two of its wind energy projects in Wyoming to further develop this system.

BirdsVision believes that this system, though not yet broadly implemented in the U.S. market, will be capable of detecting birds near wind turbines and activating countermeasures to keep the birds at a safe distance from the spinning turbine blades.

The system has been tested at Glenrock/Rolling Hills and Seven Mile Hill wind energy projects in Wyoming to evaluate the effectiveness of the technology. Based on positive initial feedback, the parties seek to continue the experimentation

¹ FCC File No. 0736-EX-ST-2013 (submitted July 30, 2013; granted Aug. 7, 2013).

and to expand the parameters of it to include additional frequencies, as described below.

The BDR-01 radar covers only a 120 degree azimuth range. Three units are used at each site in order to achieve 360 degree coverage, for a total of 6 units in this ongoing STA. The power level set forth in the application, 398 W ERP, is the peak power for each of the transmitters.

These prototype units were not designed for the U.S. market. Thus, the initial authority was granted for the 3870-3880 MHz frequency band, which does not have the proper Federal Communications Commission ("FCC") allocation and service rules for long term operations of this system. Accordingly, while BirdsVision seeks continued authority to permit to test its devices in that frequency band, it also seeks herein expanded authority under Part 5 to test and experiment its devices on the 3500-3555 MHz band, which is allocated in the United States on a secondary basis for radiolocation services. Additionally, BirdsVision seeks to expand experimentation on the 3870-3880 MHz frequency range by 20 MHz, in order to test together the three radars that form a system. Thus, as to both bands, BirdsVision is seeking to operate the units on 30 MHz of bandwidth, as noted in the attached STA request.

The requested 3860-3890 MHz frequency range is used by Part 25 satellite earth stations as well as Part 101 fixed service stations. An analysis performed of proximate stations indicates that there are no immediate facilities with which BirdsVisions' proposed operations could interfere. As with the original grant of its experimental

STA, BirdsVision accepts the condition that should any interference however occur from its operations, it will immediately cease its operations.