



August 4th 2013

Application for an FCC License Supplemental Statement and Material

This application is for an FCC license for radar use at PineTree windfarm, a rural location at Tehachapi area, California, in order to test an avian detection and deterrence system at this operating wind energy facility.

Wind turbines 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 effects of wind turbines operations on birds.

LADWP has sponsored a test of the BirdsVision WindSafeFlight™ avian detection and deterrence system at its PineTree wind energy facility in California, in order to further develop these experimental measures.

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 minimize collision risk of birds with turbines' blades. The system will be tested at the Pine Tree wind energy project in California to evaluate the effectiveness of the technology.

The BDR-01 bird detection radar covers only a 120 degree azimuth range. Three units will be used at the site in order to achieve 360 degree coverage around the C1 and C2 turbines.

The power used by the radar which is given in this application, 398 W ERP, is the peak power for each of the transmitting radars.

The frequency used by the transmitting radars is between 3,500-3,650 MHz. It does have the proper FCC allocation and service rules for long term operation.

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Technical details of the radar:

Frequency: between 3,500-3,650 MHZ

Output power / ERP (peak): 32W / 398W

Frequency Tolerance (+/-): 0.00010000%

Emission Designator: 10M0P0N

Modulating signal: None

Information regarding FCC application:

Class of station: FX

Nature of Service: Experimental

Manufacturer: BirdsVision

Model Number: BDR-1

No. of Units: 3

Is a directional antenna (other than radar) used: no

Width of beam in degrees at the half-power point and Orientation in Horizontal and Vertical Planes: See in Appendix I.

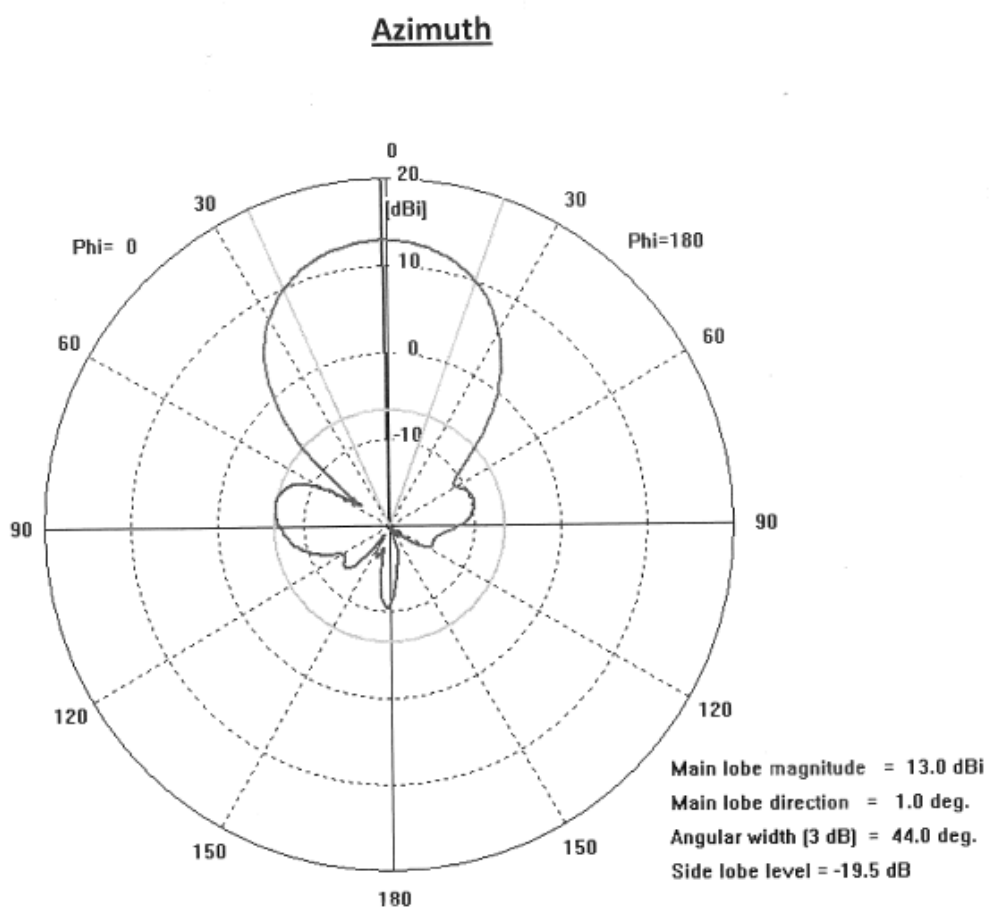
Will the antenna extend more than 6 meters above the ground? No, it will be approximately 5 meters above the ground.

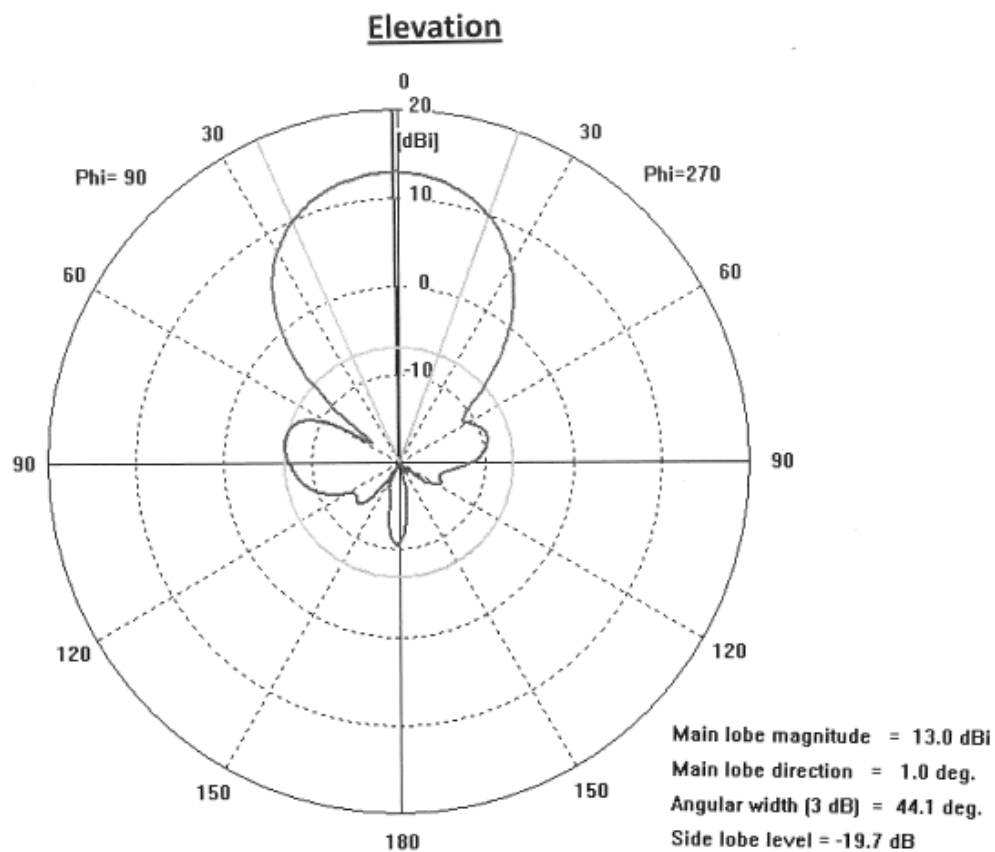
Overall height above ground to tip of antenna in meters: 5.5

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Appendix I: Width of beam in degrees and Orientation in Horizontal (Azimuth) and Vertical (Elevation) Planes





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