

From: Robert Koppel

To: Nimesh Sangani

Date: October 04, 2019

Subject: Additional Information Request

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Message:

Arkenets

Application for Modification of Experimental License

File No. 0262-EX-CM-2019

Call Sign WJ2XVJ

Response to FCC Inquiry

Reference Number: 51010

Please submit an exhibit that describes your modification request in detail.

Arkenets seeks to modify the above-captioned experimental authorization to add three (3) additional sites.

Description of why experimental authority is needed.

Arkenets is developing an innovative solution, using commercial off-the-shelf components, to produce a low-power radar system for detecting and identifying unmanned aerial vehicles (UAVs), including drones. Arkenets' radars would be deployed around sensitive commercial sites, including stadiums, petroleum production facilities, corporate and college campuses, and airfields.

The radar uses separate antennas for transmit and receive. Arkenets would deploy up to 12 radar units at each specific site in order to undertake its testing.

Grant of this modification of experimental authority will allow Arkenets to test and demonstrate its technology at three additional sites.

Arkenets will comply with the condition in its authorization limiting testing to a maximum of 120 devices across the United States, using up to 12 devices at a maximum of 10 specific sites at any given time.

Additional Technical Information

Directional antenna: No

Width of beam in degrees at half-power point: N/A

Orientation of horizontal plane: N/A

Orientation of vertical plane: N/A

Frequency tolerance: 0.001%.

Stop buzzer POC

Andrew Bennett

617-213-0033