

From: Perry Jones

To: Leann Nguyen

Date: May 12, 2017

Subject: Request for Info - File # 0089-EX-CN-2017

Message:

As IB requests, please submit the following information as soon as possible.

- Antenna pattern or you can provide in an excel spreadsheet or graph form.

- Pattern's for the 3.5m source antenna and steerable reflector attached as .pdf; to include pictures and description of referenced "Fly Swatter" steerable reflector antenna and receive station.

- Explain what does it mean "elevation only steerable 3° x 5°"?

- The reflector antenna plate (A.K.A. "Fly Swatter") is a 5'w x 3'h x $\frac{12}{16}$ "th plate the resides at approx. 490ft level on a 500ft tower which is fixed in azimuth and steerable in elevation for RF peaking at the receive location. The source 3.5m dish located at the base of the 500ft tower radiates in a zenith direction (vertical) and its RF beam strikes the fly swatter. The fly swatter directs the vertical beam to a horizontal direction towards the receive site 2.5miles away.

Pictures and source patterns have been uploaded via the "add attachments" selection above the "reply to correspondence" on the FCC program.