

Form 422 Confirmation Number: EL663467  
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Exhibit for Item 7 "Experimentation Description"

The Telephonics MOSAIC<sup>TM</sup> AESA radar research project is a multi-year development program internally funded by Telephonics. The specific objective of the program is development of an active electronically scanned array (AESA) and the integration of said array with existing radar hardware that incorporates firmware and software to perform the necessary back end radar processing. The goal of the program is to provide a fixed antenna alternative to Telephonics' existing radar product lines which are traditionally mechanically rotated. This represents a substantial evolution in the state of the radio art as it applies to maritime radar. It is expected that the MOSAIC radar product line will grow into a major product line and will eventually be offered to customers both domestic and international.