

LBA Technology, Inc.
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Form 442 Confirmation Number: **EL10178**
Form 442 File Number: **0187-EX-PL-2000**

Exhibit 1 (For Item Number 10)

- (a) LBA Technology plans to measure the radiation efficiency of the (so-called) "Crossed-Field-Antenna" developed in Scotland. LBA Technology holds a contract to investigate the performance of this antenna, and its suitability for AM broadcasting. In performing this research, the output power to the test antenna will be measured with a BIRD wattmeter. The field intensity measurements will be made with a Potomac Instruments FIM-41, or other appropriate equipment.
- (b) The specific objective of the research is to establish performance characteristics of the Crossed-Field-Antenna.
- (c) If the Crossed-Field-Antenna actually performs in a high efficiency manner, it would have far reaching effects in the United States and abroad for AM broadcasting. Particularly, broadcast facilities could be located within urban hub areas on a very small plot of land.
- (d) In addition, LBA Technology is in the commercial business of manufacturing broadcast antenna systems. It intends to use this authority to enable testing of various antennas and coupling systems under development by the company.
- (e) Exhibit 1 (a) is an allocation study showing that interference to existing stations from which we have determined is unlikely to occur. It should be noted that the contemplated use will be infrequent and that operation will normally be CW, with station ID's inserted where required by the Rules. In any event, should interference to any existing service occur, immediate measures, including cessation of operation will be taken to resolve such interference.