

FORM 442, QUESTION 7: PURPOSE OF EXPERIMENT

Narrative Statement:

Confirmation Number: EL12339

File Number: 0127-EX-PL-2002

This license application is for an outdoor RF antenna test range. We will use a Scientific Atlanta based system for both the RF source and detection functions. The source antenna will be stationary, directed east of the ARC Wireless Solutions manufacturing plant at 4880 Robb Street, Wheat Ridge, CO and will emit either a continuous wave (CW) signal or a swept CW signal with no modulation. The antenna under test will be rotated to obtain its radiation pattern. Our specific objectives sought will be used to qualify antenna designs as adequate for production. Our program of experimentation has a reasonable promise of contribution to the development and utilization of the radio art by allowing us to develop new antenna designs for commercial purposes.