

**Narrative statement:**

This license application is for an outdoor RF test range. We will use a Hewlett-Packard 8753 Network Analyzer for both the RF source and detection functions. Because this is the maximum power available from the analyzer, we will not radiate more than 10 mW. The source antenna will be stationary, directed southwest of the Aerospace Manufacturing Center at 9675 West 108<sup>th</sup> Circle Broomfield, CO. 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.