

Exhibit Number 1

Statement Describing the Research

- A) Program of Research and Experimentation – TDK R&D Corporation, along with its parent company, TDK Corporation (based in Japan), is developing wireless LAN's in the UNII bands at 2.4 and 5GHz. These wireless LAN's will be productized and sold for use in business and home applications. This equipment will support a broad range of data rates from 1Mb/s to over 100Mb/s. The equipment will be manufactured by TDK using a mixture of TDK components and selected integrated circuits. A number of communication techniques will be utilized including OFDM and DSSS modulation formats.
- B) The objective of this experimentation is to develop and commercialize high performance digital radio systems which can be built for mass market applications. The high performance must be maintained in a variety of environments including homes, small and large offices. In order to insure good performance in these environments, experimentation will be required in a number of homes and offices in the San Jose Area.
- C) The resulting work will lead to inexpensive radio implementations for consumer use. These systems will provide high performance in a variety of indoor environments. Current wireless LAN implementations are too slow (under 11Mb/s) for video and other bandwidth hungry applications. This development will allow for increases in WLAN speeds at a very competitive cost.