The Super King Air is the cloud physics research aircraft used for research and development for warm and cold cloud seeding. This is a twin-turbojet-propeller aircraft with an internal pressure control system. It can be operated at an altitude of 35,000 ft. and is capable of conducting research and development of Royal Rainmaking technology. The aircraft is equipped with the scientific instruments to measure and record meteorological data such as temperature, humidity, liquid water content, cloud updraft and downdraft velocity, size and density of water droplet, etc., that are important for scientific development of rainmaking methods. In addition, the aircraft is equipped with silver iodide flare launchers used in cold cloud rainmaking.

The scientific instruments are as follows:

1.Cloud Liquid Water Content
2.Reverse Flow Total Temperature
3.Dew Point Sensor
4.Vertical Speed Indicator
5.Cloud Droplet Spectrometer Probe (FSSP)
6.Two Dimensional Cloud Droplet Probe (2DC)
7.Two Dimensional Precipitation Probe (2DP)
8.Cloud Condensation Nuclei Counter (CCNC)
9.Computer system for controlling the operation and recording data of instruments for meteorological observations.