

FCC Form 442 – Exhibit
Question 7

- 7 The development and testing of Doppler Weather Radar Systems for commercial sales.
 - a. Complete program of Research and Experimentation (description of equipment and theory of operations) Continual development and improvement of X, C and S – band Meteorological Radar Systems.
 - b. To advance scientific research in the Meteorological Radar Technology. Develop advance-warning techniques for meteorological radar and related systems. Ultimately saving lives and population infrastructure.
 - c. Promise of contribution
 - a. Doppler Weather Radar
 - b. Bio-chemical detection
 - c. Simultaneous Dual Polarization
 - d. Phased Array
 - e. Advanced Algorithms for:
 - i. Meteorological research
 - ii. Precipitation estimation and measurement
 - iii. Hydrometeor classification
 - iv. Cloud Seeding
 - v. Tornado/Meso-cyclone detection
 - vi. Cloud Dynamics
 - vii. Weather balloon tracking
 - viii. Wind Shear