

EXHIBIT A, FCC FORM 442

THIS LICENSE IS FOR A DEVELOPMENTAL SYNTHETIC APERTURE RADAR (SAR).
THE RADAR WILL BE FLIGHT TESTED ON A LORAL OWNED SABRELINER-60
AIRCRAFT.

THE AIRBORNE SAR CONSISTS OF A TRANSMITTER AND RECEIVER. THE TRANSMITTER
CONTAINS A DIGITAL WAVEFORM GENERATOR DRIVING A TWT POWER AMPLIFIER.
THE RECEIVER PROVIDES DIGITAL OUTPUT TO A TAPE RECORDER FOR SUBSEQUENT
GROUND PROCESSING. THE RECEIVER IS A DUAL CONVERSION HETRODYNE WITH A
GAAS FET LOW NOISE AMPLIFIER.

THE DATA COLLECTED DURING FLIGHT TEST WILL BE USED TO DEVELOP AND VERIFY
STATE OF THE ART SAR PROCESSING TECHNIQUES.