

# Application for type Acceptance

- a. Manufacturer: THALES ATM, INC.  
23501 West 84<sup>th</sup> Street  
Shawnee, KS 66227-3296
- b. Identification: Model: ILS420LOC  
FCC I.D.: BOJ ILS420LOC
- c. Plan to produce quantity production
- d.
  - (1) Emission Type: 9K50A3N
  - (2) Frequency Range: Operates across the band of 108.1  
To 111.95 MHz in 50 KHz increments.
  - (3) Operating Power Level:  
  
Carrier : 15 W nominal, Software adjustable from 0 to 17.0 Watts.  
Sideband Only: 0.150 W nominal, Software adjustable 0 to 1.0 Watts.
  - (4) Max  $P_o$ : 25 Watts.
  - (5) DC Voltages and Currents of PA Final:  
  
The final amplifier runs at 3.52 A @ 24V, 84.5 Watts
  - (6) Function of each semiconductor device in transmitter:  
  
Refer to attached circuit diagram and reference material.
  - (7) Circuit diagrams:  
  
Refer to attached circuit diagram and reference material.
  - (8) Instruction Book:  
  
Refer to attached portions of the Instruction Manual.
  - (9) Tune Up Procedure for Output Power:  
  
Refer to attached tune up procedure.
  - (10) Frequency Plan:  
  
Refer to attached circuit diagram and reference material
  - (11) Spurious and Limiting Circuits:  
  
Refer to attached circuit diagram and reference material
  - (12) Digital Modulation:  
  
Not Applicable

(13) Frequency Plan:

Refer to attached circuit diagram and reference material

(14) Spurious and Limiting Circuits:

Refer to attached circuit diagram and reference material

(15) Digital Modulation:

Not Applicable