

# 109 AW Airlift/Radio Frequency Transmissions and Electromagnetic Activities Vacancy Announcement ( DSG Enlisted )

## NEW YORK AIR NATIONAL GUARD 109<sup>th</sup> AIR NATIONAL GUARD BASE

109<sup>th</sup> Airlift Wing  
Stratton Air National Guard Base  
Scotia, NY 12302-9752

**UNIT:** 109<sup>th</sup> Communications Squadron  
Stratton ANGB Scotia, NY 12302-9752

**ANNOUNCEMENT NO:**

DSG05-FY26

**DATE:**

24September 2026

**CLOSING DATE:**

Until Filled

**AFSC:**

1D7X2R

**MAX AVAILABLE GRADE:** SSgt (E-5)

**POSITION TITLE:** Radio Frequency  
Transmissions And Electromagnetic Activities

**AREA OF CONSIDERATION: NATIONWIDE:**

All Traditional Guardsman (includes technicians) who meet the  
basic qualifications for this position.

[Anyone Eligible To Join The New York Air National Guard](#)

### **SPECIALTY SUMMARY** *(As outlined in the current AFECD – 30APR2026)*

Radio Frequency (RF) Transmissions and Electromagnetic Activities (EMA) involve the use of electromagnetic energy to support a wide range of military and civilian operations. An RF Technician is responsible for installing, integrating, maintaining, and repairing RF communication equipment. They work with a variety of RF systems, including radio, and cellular communication networks, and specialize in propagation techniques such as Line of Sight, HF, SATCOM, and Troposcatter in both fixed and tactical environments.

### **DUTIES AND RESPONSIBILITIES** *(IAW the current AFECD – 30APR2026)*

2.1.1 Performs/supervises wireless radio and satellite systems and equipment maintenance activities. Oversees work in progress and reviews completed repairs for sound maintenance practices. Establishes requirements for maintenance equipment, support equipment, tools, and spare parts. Requisitions, accounts for, and turns in supplies and material. Interprets inspection findings and determines adequacy of corrective action. Reviews and ensures compliance with maintenance management publications and procedures. Identifies maintenance problem areas and recommends corrective action. Recommends methods to improve equipment performance and maintenance procedures. Evaluates justification and practicability of proposed modifications. Develops and enforces safety standards for ground RF system maintenance activities.

2.1.2. Inspects wireless radio/satellite communications activities. Determines equipment operational status. Serves on teams to evaluate transmission systems activities. Interprets inspection findings submitted by other inspecting activities and initiates corrective action. Determines adequacy of corrective action. Checks installed and repaired components for compliance with technical publications.

2.1.3 Resolves installation, repair, overhaul, and modification problems associated with communications equipment. Employs orbiting communication satellite, line-of-sight, and tropospheric scatter techniques. Installs, maintains, reconstitutes, removes, and modifies coaxial cabling, waveguide and antenna systems. Conducts tests to restore and maintain systems. Uses anti-jam equipment and techniques to neutralize effects of communication jamming. Uses layout drawings, schematics, and pictorial diagrams to solve maintenance problems.

Analyzes construction and operating characteristics of equipment to determine source of malfunction. Performs intricate alignment and calibration procedures to ensure maximum operating efficiency. Determines repair procedures necessary to correct defective equipment.

2.1.4 Installs ground radio, satellite, and telemetry communications equipment. Consults layout drawings to ensure equipment is properly positioned. Checks equipment for serviceability prior to installation. Assembles, connects, secures, and interconnects components such as transmitters, power supplies, and antenna assemblies. Tests installed equipment for proper assembly of components and compliance with technical orders.

### **QUALIFICATIONS AND SELECTION FACTORS:**

3.2. Knowledge: This specialty requires knowledge of electricity and radio theory modulation techniques, antenna theory, encryption techniques, traditional telecommunication signal flow, repeaters, and modes of propagation. Specialized mission sets may require additional knowledge of networking fundamentals to include configure and maintaining switches, routers, and servers in addition to system administrator responsibilities. A thorough understanding of cybersecurity principles should also be incorporated.

3.3. Education: For entry into this specialty, completion of high school or general educational development equivalency is mandatory. Additional courses in Science, Technology, Engineering, and Mathematics (STEM) are desirable. Any computing or network commercial certification is desirable.

**TO INQUIRY ABOUT THIS or ANY 109<sup>TH</sup> AIRLIFT WING POSITIONS:**

**Please Contact The 109<sup>th</sup> Recruiting Office @ 518-344-2201 or  
109aw.airwing.recruiting@us.af.mil, with any Qualification/Eligibility or  
Vacancy Questions.**