

4 June 2026

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Frequency Management Services
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Subject: Description of operations and Stop Buzzer

Purpose of STA:

The purpose of this STA is to conduct ground Electromagnetic Compatibility (EMC) testing of RF systems integrated into the Boeing MH-139 helicopter prior to delivery to the USAF. Modeling and previous EMC/EMI testing shows a possibility of harmonic/cosite interference issues between RF systems on the specific frequencies listed in the application. This testing will be used to validate findings and develop mitigation plans.

Reason for STA:

The STA is required to support testing on frequencies not normally allocated for The Boeing Company's use, but the radio system must be tested prior to the aircrafts delivery to the customer to meet contractual obligations and safety of flight requirements.

The radio listed in the application will ultimately be used by the USAF to communicate with Civil and federal Law Enforcement Agencies to support interoperability between agencies. Future in service use of the band will be covered under interoperability agreements between the USAF squadron operating the aircraft and the law enforcement agencies that will be supporting USAF missions in accordance with FCC rules and Regulations.

Technical Data:

Transmitter Data	
Transmitter Model	AN/ARC-210 RT2036(C)
Transmitter Manufacturer	Collins Aerospace
Transmitter Power Output	23 Watts
Antenna Data	
Power Output ERP	30 Watts ERP
Ant Manufacturer	Cooper
Ant Model	21-15-22
Ant Gain	3dBi
Emission Data	
Emission Designator	6K00F3E

Stop Buzzer Information:

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