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Question 7: Purpose of Experiment

- a) Cessna is integrating synthetic aperture radar capabilities into a new multi-mission aircraft currently in development. The radar antenna is mounted on the aircraft, and the radiation beam is tightly steerable to focus on specific points on the ground for imaging during flight.
- b) The radar must be tested while installed on the aircraft in all modes to ensure that it performs as required, does not interfere with the functioning of any other system on the aircraft, and that other systems on the aircraft do not interfere with the radar functions.
- c) This capability is needed for the aircraft to fulfill intelligence, surveillance and reconnaissance functions.

Very Respectfully,

Dan Hankins
Spectrum Manager - Sr
Textron Aviation, Inc.