

Terry, Ryan N (US)

From: Wayne Morris <5600wayne@gmail.com>
Sent: Tuesday, October 19, 2021 19:44
To: Terry, Ryan N (US)
Cc: Chriss Brown
Subject: EXTERNAL: Fwd: [Non-DoD Source] AFTRCC ICN 1657-21/9087 (Lockheed Martin New FCC License/DARPA R&D Ground Testing-Cherry Hill/Burlington, NJ)

This email is your AFTRCC coordination.

This coordination includes this header information, DOD Area Frequency Coordinator comments and AFTRCC comments. These messages must not be separated.

This coordination is advisory only and not binding on the FCC. Applicants are advised that this coordination does not constitute a judgment that the frequency(ies) is best suited for the applicant's purpose nor that the frequency(ies) is exclusive to the applicant. Flight Test frequencies are shared and may require scheduling with other users.

In return for AFTRCC's processing of the applicant's coordination request, the applicant agrees to release and hold harmless AFTRCC, its officers, directors, agents, members, and representatives from any claims, losses or expenses that may arise from the use of the frequency.

This coordination is not an authorization to transmit. A copy of this coordination must accompany application to the FCC.

Signed:
Wayne Morris
AFTRCC Telemetry Coordinator
903-450-5942

----- Forwarded message -----

From: **Goddard, Robert N CIV USN (USA)** <robert.n.goddard.civ@us.navy.mil>
Date: Tue, Oct 19, 2021 at 2:15 PM
Subject: RE: [Non-DoD Source] AFTRCC ICN 1657-21/9087 (Lockheed Martin New FCC License/DARPA R&D Ground Testing-Cherry Hill/Burlington, NJ)
To: 5600wayne@gmail.com <5600wayne@gmail.com>
Cc: Hoschar, Scott A CIV USN NAWCAD (USA) <scott.a.hoschar.civ@us.navy.mil>

Wayne,

MIDLANTAFC concurs only with Telemetry usage in this part of the spectrum under this STA and AFTRCC ICN Coordination. Any other usage of this spectrum inconsistent and incompatible with Aeronautical Mobile Telemetry (AMT) operations cannot be supported nor should DARPA or any other Military R&D activity be developing, experimenting or enhancing the effectiveness of future military radio frequency systems with new RF radio systems in this part of the RF spectrum UNLESS they are AMT or AMT related systems. If these systems are anything other than

AMT or AMT related systems, then please contact or direct SMEs to contact Head of the MIDLANTAFC office at 301-672-5455 or scott.a.hoschar.civ@us.navy.mil.

V/r,

Rob

From: Wayne Morris <5600wayne@gmail.com>

Sent: Sunday, October 17, 2021 4:49 PM

To: robert.n.goddard@navy.mil; MIDLANTAFC_PAXRIVER <Midlantaafc_paxriver@navy.mil>

Cc: scott.hoschar@navy.mil

Subject: [Non-DoD Source] AFTRCC ICN 1657-21/9087 (Lockheed Martin New FCC License/DARPA R&D Ground Testing-Cherry Hill/Burlington, NJ)

AFTRCC concurs with and requests DoD MIDLANT AFC concurrence/coordination on the following
new FCC application for ground testing.

Applicant:

Lockheed Martin Corp.

2121 Crystal Drive, Ste. 100

Arlington, VA 22202

POC: Ryan Terry (703-413-5747)

Frequencies: (MHz) 1445.0 / 1465.0 /1485.0

Station Class: FX

Emission: 20M0W9W

Power: 5 watts (6.083 watts ERP)

Locations:

1. Cherry Hill, NJ (39-55-52 N 75-03-03 W)
2. Burlington, NJ (39-58-56 N 74-54-28 W)

Dates: 2021-10-30 thru 2026-10-30

AFTRCC comments: AFTRCC can accept any 3, 20 MHz channels in the band 1435-1525 MHz is DoD MIDLANT

AFC desires to substitute. R&D testing, ground stations only will be utilized. Requester submits the following:

" Lockheed Martin Corporation seeks coordination to permit it to test a developmental system at its locations in Moorestown, NJ and Cherry Hill, NJ.

These operations are being conducted in connection with a cooperative research and development agreement (R&D) with DARPA and internal R&D

programs. The experimentation is focused on field testing of a broad range of signal emissions, including those for telemetry. Results from the experimentation

will be used to enhance effectiveness of future military radio frequency systems. Emissions information type is a combination of N "no information transmitted"

and D "Data transmission, telemetry, telecommand" to support R&D activities including system command (telecommand) and performance evaluation

(telemetry). Operation under this license neither constrains nor dictates future frequency allocations as the system is an experimental technology

demonstration testbed. Operation in telemetry bands allows for system evaluation and preparation for potential demonstrations at other locations and

under other licenses that may require air-to-air, air-to-ground, and/or ground-to-ground telemetry. Typical testing is expected to be conducted intermittently

during daylight hours over the course of one week, notionally once every three months."

Please reply via return email as to concurrence, non-concurrence, scheduling, or any additional comments.

Signed:
Wayne Morris

AFTRCC Telemetry Coordinator