

Christopher Timperio

From: Wayne Morris <5600wayne@gmail.com>
Sent: Tuesday, April 23, 2019 12:45 PM
To: Christopher Timperio
Cc: Chriss Brown; Don Hoehn
Subject: [EXT] Fwd: AFTRCC ICN 1260-19/7769 (Vector Launch Inc./Experimental Rocket Launch-VA/AK/CA/FL/GA)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Vector Launch Inc, must comply with all comments listed below by the DoD Area Frequency Coordinator if their location is selected. All locations are on a non-interference basis to other authorized users. Vector will provide STOP BUZZER contact to both AFTRCC Telemetry coordinator and launch area DoD Coordinator NLT than 7 days prior to launch.

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: **Wayne Morris** <5600wayne@gmail.com>
Date: Mon, Apr 22, 2019 at 5:22 PM
Subject: AFTRCC ICN 1260-19/7769 (Vector Launch Inc./Experimental Rocket Launch-VA/AK/CA/FL/GA
To: Goddard, Robert N. CIV NAVAIR 5.1.1.3 <robert.n.goddard@navy.mil>, WOODALL, TIMOTHY P GS-13 USAF ALCOM/J64 <timothy.woodall.3@us.af.mil>, Heaton, Jamie CIV NAVAIR, 52370MD <jamie.heaton@navy.mil>, <Robert.Craig.12@us.af.mil>, Rossow, Mark <mark.k.rossow.civ@mail.mil>
Cc: MIDLANTAFC_PAXRIVER <Midlantaafc_paxriver@navy.mil>, spectrumwiz <andrew.foltz@navy.mil>,

SANTIAGOHERNANDEZ, SIGFREDO TSgt USAF AFSPC 45 SCS/SCP <sigfredo.santiagohernandez@us.af.mil>, <Christopher.A.Chaffin2.civ@mail.mil>

AFTRCC concurs with under US Footnote US276 the following coordination request and requests DoD AFC Midlant, DoD AFC Western, DoD AFC Alaska, and DoD AFC Eastern concurrence/coordination on the following Experimental coordination request.

AFTRCC requests that all responses be sent to all addressed. Please note that only 1 location will be selected for launch but Vector Launch has requested coordination with various locations at this time.

Applicant:

Vector Launch, Inc.
15261 Connector Ln.
Huntington Beach, CA 92649
POC: Christopher Timperio (888-691-9778 X329)

Frequencies: 2370.5 MHz / 2382.5 MHz

Station Class: MOEA

Emissions: 1M92G1D (M2370.5) / 8M00G1D (M2382.5)

Power: 10 watts (ERP)

Location 1: (for DoD MIDLANT AFC)

Wallops Island, VA (37-49-40.8 N 75-29-38-04 W)
MIRAD/Altitude (see AFTRCC comments)

Location 2: (for DoD Alaska AFC)

Kodiak Island, AK (57-26-06 N 152-20-30.12 W)
MIRAD/Altitude (see AFTRCC comments)

Location 3: (for DoD Western AFC)

Vandenberg AFB, CA (34-34-34.68 N 120-37-57 W)
MIRAD/Altitude (see AFTRCC comments)

Location 4: (for DoD Western AFC)

Randsburg, CA (35-20-51 N 117-48-33.84 W)
MIRAD/Altitude (see AFTRCC comments)

Location 5: (for DoD Ariaona AFC)

Pinal County, AZ (32-30-43.92 N 111-17-59.64 W)
MIRAD/Altitude (see AFTRCC comments)

Location 6 (for DoD Eastern AFC)

Cape Canaveral AFS (28-35-00 N 80-34-58.44 W)

MIRAD/Altitude (see AFTRCC comments)

Location 7 (for DoD Eastern AFC)

Kennedy Space Center (Cape Canaveral), FL (28-27-29 N 80-31-42.96 W)

MIRAD/Altitude (see AFTRCC comments)

Location 8 (for DoD Eastern AFC)

Camden County, GA (30-56-01 N 81-31-05.88 W)

MIRAD/Altitude (see AFTRCC comments)

Dates: 2019-05-01 thru 2019-10-01

AFTRCC comments: this coordination request is for a **single flight, launch location to be finalized at later date. Customer estimates 3 hours of frequency usage for the flight; pre-flight estimated at 90 minutes and flight duration of less than 10 minutes.**

Maximum flight altitude will be 3.6 KM (2.2 miles/11,616 ft AGL)

MIRAD: 2.44 miles (3.93 KM) 1.58 KM (0.981 miles down range communications required)

Max Q and MECO (Main Engine Cut Off) will be appx 22 seconds into flight.

Vector will will finalize the planned launch site and date with appropriate AFC and AFTRCC NLT 15 days prior to flight. Vector will also provide an update 7 days prior to day of launch and at the day of launch prior to flight. Vector must also provide an updated STOP BUZZER POC located at the launch site 7 days prior to launch.

Please reply via return email as to concurrence or non-concurrence, scheduling details (as/if required) and any additional comments.

Signed:

Wayne Morris

AFTRCC Telemetry Coordinator

903-450-5942