

Martin Harms

From: Wayne Morris <5600wayne@gmail.com>
Sent: Tuesday, September 28, 2021 3:41 PM
To: Martin Harms; Sara Venhuizen
Cc: Kurt Sehnert; Chriss Brown; 'Hankins, Danny' (dhankins@txtav.com)
Subject: Fwd: [Non-DoD Source] AFTRCC ICN 1591-21/9022 (Aerostar FCC App/High Alt Balloon Testing-Bingham, NM) Please Expedite (UNCLASSIFIED)

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.

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: **Wyman, Richard J CIV USARMY NETCOM (USA)** <richard.j.wyman2.civ@army.mil>
Date: Tue, Sep 28, 2021 at 2:26 PM
Subject: RE: [Non-DoD Source] AFTRCC ICN 1591-21/9022 (Aerostar FCC App/High Alt Balloon Testing-Bingham, NM) Please Expedite (UNCLASSIFIED)
To: Wayne Morris <5600wayne@gmail.com>
Cc: 'Hankins, Danny' (dhankins@txtav.com) <dhankins@txtav.com>, usarmy.wsmr.imcom-central.list.dodafc@mail.mil <usarmy.wsmr.imcom-central.list.dodafc@mail.mil>

CLASSIFICATION: UNCLASSIFIED

Wayne:

AFC-WSMR concurs with AFTRCC request ICN 1591-21/9022, with the following comments and conditions.

1. AFC-WSMR understands that Raven/Aerostar is cognizant of the spectrum challenges associated with operations in the M2360-M2395 band, and is striving to move their high-altitude balloon initiatives to the C-Band – M4400-M4940 – by Spring 2022.
2. The operations described below, are in support of DoD operations, at White Sands Missile Range (WSMR), NM. As such, operations must be scheduled as a WSMR Range mission, through the program's Test Officer/Liaison.
3. As a WSMR Range mission, the WSMR Frequency Control office MUST schedule the operations in the Integrated Frequency De-confliction System (IFDS), in order to de-conflict with other operations in the region.
4. Raven/Aerostar shall work with the AFTRCC Community to de-conflict with AFTRCC Aeronautical Mobile Telemetry (AMT) operations in the region, and shall provide a link where users of the M2360-M2395 band can track the location of the balloon. This will assist other users to avoid pointing their ground station antennas towards the balloon, and desensitizing their AMT receivers.
5. Raven/Aerostar shall operate their airborne transmitter at the lowest output power necessary to establish, and maintain, a stable datalink.
6. Operations will only be limited to the duration of the DoD exercise, and to the minimum radiation time needed to execute a successful mission.

V/R,

Richard J. Wyman

Chief, Spectrum Operations Branch

DoD Area Frequency Coordinator

U.S. Army, NETCOM, ACofS G-3/5, CUOPS

White Sands Missile Range, NM

Comm: 575-678-3402, DSN 258

iPhone: 575-635-3475

NIPR: richard.j.wyman2.civ@mail.mil

SIPR: richard.j.wyman2.civ@mail.smil.mil

GROUP E-MAIL: usarmy.wsmr.imcom-central.list.dodafc@mail.mil

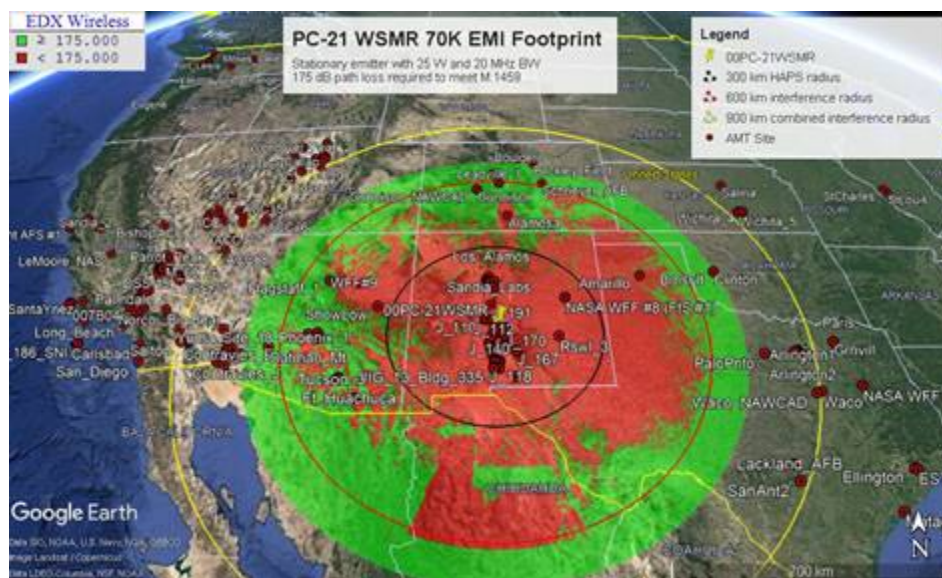
From: Wayne Morris <5600wayne@gmail.com>

Sent: Thursday, September 23, 2021 1:07 PM

To: usarmy.wsmr.imcom-central.list.dodafc@mail.mil; Wyman, Richard J CIV USARMY NETCOM (US) <richard.j.wyman2.civ@mail.mil>

Cc: 'Hankins, Danny' (dhankins@txtav.com) <dhankins@txtav.com>

Subject: [Non-DoD Source] AFTRCC ICN 1591-21/9022 (Aerostar FCC App/High Alt Ballon Testing-Bingham, NM) Please Expedite



AFTRCC defers to DoD WSMR AFC on the following FCC application for conducting High Altitude Balloon testing. As previously discussed, due to altitude and RLOS this does not meet the criteria of ITU M.1459 (Path Loss) required for co-channel operations. Please see attached. However, since this supports a DoD contract AFTRCC is prepared to "make it work" if DoD WSMR AFC concurs on this request.

Applicant:

Aerostar Technical Solutions

2231 Crystal Dr., Ste. 515

Arlington, VA 22202

POC: Martin Harms (605-331-3500)

Frequencies: 2370.0 thru 2390.0 MHz

Station Class: FX/MO

Emission: 20M0D7W

Power: (FX 8.0 watts Mean/63.0 watts Peak)

(MO 8.0 watts Mean/25.0 watts Peak)

Location: Bingham, NM (33-39-08 N 106-25-57 W)

MIRAD: 186 miles (300 KM)

Maximum flight altitude: 0700,AGL (70,000')

Dates: 2021-10-04 thru 2021-10-31

AFTRCC comments: non-interference basis to authorized aeronautical mobile telemetry users within Radio Line-of-Sight to include telemetry ground station. Pre-scheduling required prior to operations via DoD WSMR AFC with further notification to AFTRCC Telemetry Coordinator via email. Aerostar will approve an onsite POC with valid cellular number to WSMR and AFTRCC coordinator.

Please respond via return email as to concurrence, non-concurrence, scheduling, and any additional comments.

Signed:
Wayne Morris

AFTRCC Telemetry Coordinator

CLASSIFICATION: UNCLASSIFIED