

Mark McHenry

From: Wayne Morris [5600wayne@gmail.com]
Sent: Wednesday, January 24, 2018 5:30 PM
To: Mark McHenry
Cc: 'Hankins, Danny' (dhankins@txtav.com); Chriss Brown; Don Hoehn; Hoschar, Scott A CIV ATR, 5.2.2.2.0
Subject: AFTRCC ICN 1603-17/7073 (DARPA Testing-NY, NJ. NC)
Attachments: 20180103 SSC Frequency Request (2).pdf

Note all guidance as in the attached memo is required to be followed

by the applicant as agreed to by applicant and DoD MIDLANT AFC.

Failure to comply can result in cancellation of coordination.

This email is your AFTRCC coordination.

his 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

AFTRCC concurs with on a strict non-interference basis to the following Experimental request and forwards to DoD MIDLANT AFC for their concurrence/coordination.

Applicant:
Shared Spectrum Co.

1593 Spring Hill Rd. Ste. 700
Vienna, VA 22182
POC: Mark McHenry ([703-462-6943](tel:703-462-6943))
Reference: FCC OET File 1527-EX-ST-2017

Frequencies: 1443.0/1456.0/1470.0/1483.0/1496.0/1510.0

Station Class: XT/MO

Emission: 10H0N0N

Power: 5 watts (Peak)

Locations:

1. Great River, NY (40-42-00 N 73-09-32 W)
MIRAD: 9.3 miles (15KM)

2. Atlantic City, NJ (39-21-19 N 74-25-34 W)
MIRAD: 9.3 miles (15KM)

3. Rodanthe, NC (35-36-01 N 75-27-56 W)
MIRAD: 9.3 miles (15KM)

Dates: 2017-12-01 thru 2018-05-15

AFTRCC comments:

4.0 Test Description The test uses multiple transmitters that have over-water link paths. The three transmitters are along the United States east coast (Figure 2) with the following locations: Within a 15 km radius of Great River, NY, N 40 42 00 W 73 09 32, Within a 15 km radius of Atlantic City, NJ, N 39 21 19 W 74 25 34, Within a 15 km radius of Rodanthe, NC, N 35 36 01 W 75 27 56 The terrain is mostly flat, with minimal foliage. The tests will occur over a multiple month period starting December 15, 2017. The transmissions will occur 24 hours a day. The system will employ a remote kill switch so that the transmitters can be switched off The tests will be conducted by Shared Spectrum Company and HS Owen, LLC employees. Figure 2. The test location includes three fixed transceivers at Great River, NY, Atlantic City, NJ and Rodanthe, NC. The on-air time on any frequency is low. The system uses a CW signal to measure the actual propagation loss between the nodes. Each burst is approximately 100 msec long. A transmission frame of 20 to 50 frequencies will last approximately 10 seconds. Each transceiver takes a turn transmitting, and the other stations receive. Thus, the transmission time on any frequency at a location will be 100 msec every 30 seconds. Rodanthe, NC Atlantic City, NJ Great River, NY 434 km 659 km and 184 KM.

AFTRCC comments: strict non-interference basis to Flight Test telemetry and other authorized users within all locations and MIRADS. Shared Spectrum must provide a valid STOP BUZZER point of contact to AFTRCC and DoD MIDLANT AFC for all locations. Failure to provide same will result in immediate cancellation of coordination.

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

Signed:

Wayne Morris
AFTRCC Telemetry Coordinator
[903-450-5942](tel:903-450-5942)