

From: Holtmeyer, Darryl J [darryl.j.holtmeyer@boeing.com]
Sent: Wednesday, November 18, 2009 8:27 AM
To: Paul Cook
Cc: Asongwed, Anthony FCC; Carlson, Young FCC; Fishel, Beth; Kennedy, John; goddardrn@navair.navy.mil; Ryan, Mikel Mid-Atlantic AFC
Subject: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

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This e-mail is your AFTRCC coordination.

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

This recommendation is advisory only and not binding on the FCC. Applicants are advised that this coordination does not constitute a judgment that a recommended frequency is best suited to the applicant's purpose nor that the frequency is exclusive to the applicant. Flight Test frequencies are shared and may be subject to scheduling with other agencies.

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

This coordination is not an authorization to operate. The FCC must grant the applicant authorization to transmit. A copy of this coordination must accompany your application to the FCC.

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NOTICE: PLEASE NOTE THAT THIS COORDINATION CONTAINS A CONDITION REQUIRING NOTIFICATION FOR EACH TEST TO THE MID ATLANTIC FREQUENCY COORDINATION OFFICE AT PATUXENT RIVER, MD EMAIL: mikel.ryan@navy.mil

-----Original Message-----

From: Ryan, Mikel R. USNUNK NAVAIR 5.2.3.3 [mailto:mikel.ryan@navy.mil]
Sent: Wednesday, November 18, 2009 7:17 AM
To: Paul Cook; Holtmeyer, Darryl J
Cc: Goddard, Robert N. CIV NAVAIR 5.1.1.3
Subject: RE: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

Paul,
Hell, that should work compatibly, just shoot me a courtesy email whenever you test in case my people do somehow see you. Darryl, I concur with his request to radiate.

Very Respectfully,

Mr. Mikel R. Ryan

Head Mid-Atlantic Area Frequency Coordination Office Code 5.2.2.2, Unit 4, Bldg. 2118

23013 Cedar Point Road

NAVAIRWARCENACDIV Patuxent River MD 20670-1183 USA TELEPHONE NUMBER: 301-342-

1532/1194 FAX NUMBER: 301-342-1200, DSN PREFIX: 342- EMAIL ADDRESS:

mikel.ryan@navy.mil SIPRNET ADDRESS: mikel.ryan@navy.smil.mil "You can accomplish anything when you have vision, determination, and an endless supply of expendable labor." -- Ramses II

-----Original Message-----

From: Paul Cook [mailto:PCook@TTCDAS.com]
Sent: Wednesday, November 18, 2009 8:03
To: Ryan, Mikel R. USNUNK NAVAIR 5.2.3.3
Subject: RE: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

Mike,

For a parking lot test, 1 watt (28 dBm) average should be no problem for us.

Paul

-----Original Message-----

From: Ryan, Mikel R. USNUNK NAVAIR 5.2.3.3 [mailto:mikel.ryan@navy.mil]
Sent: Wednesday, November 18, 2009 8:00 AM
To: Paul Cook; Holtmeyer, Darryl J
Cc: Goddard, Robert N. CIV NAVAIR 5.1.1.3
Subject: RE: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

Paul,

How much can you crank back the power and still get your testing done?

MR

-----Original Message-----

From: Paul Cook [mailto:PCook@TTCDAS.com]
Sent: Tuesday, November 17, 2009 12:17
To: Ryan, Mikel R. USNUNK NAVAIR 5.2.3.3; Holtmeyer, Darryl J
Cc: Goddard, Robert N. CIV NAVAIR 5.1.1.3
Subject: RE: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

Mike,

Our current test configuration is a directional in a tower and an omni on the ground. We can limit the power radiated if need be.

Telemetry Mining is obtaining the aircraft data that has been previously recorded. Using this transceiver the Ground analysis crew will select what data they want to see by sending up a command using this transceiver and having the same transceiver transmit the data down to the ground. Instead of getting all of the data as with traditional telemetry and ground analysis crew can select what data they are interested in.

Paul

-----Original Message-----

From: Ryan, Mikel R. USNUNK NAVAIR 5.2.3.3 [mailto:mikel.ryan@navy.mil]
Sent: Tuesday, November 17, 2009 11:53 AM
To: Paul Cook; Holtmeyer, Darryl J
Cc: Goddard, Robert N. CIV NAVAIR 5.1.1.3
Subject: RE: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

Paul,

I know your tests are not airborne but ours are. What type of antenna will you be using and what the heck is "Telemetry Mining"?

XXXXXXX

Mike Ryan

-----Original Message-----

From: Paul Cook [mailto:PCook@TTCDAS.com]
Sent: Tuesday, November 17, 2009 11:43
To: Holtmeyer, Darryl J
Cc: Goddard, Robert N. CIV NAVAIR 5.1.1.3; Ryan, Mikel R. USNUNK NAVAIR 5.2.3.3
Subject: RE: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

Darryl,

Thank you for getting back to me.

The first item is that our testing will not interfere with the telemetry operations at PAX (200 miles away) and no airborne tests are planned under this experimental license.

The second item needs clarification. Even though this transceiver is a variant of 802.11, the intended application is Telemetry Mining where it will be used in the standard telemetry bands to be coordinated at each range with other operations. The hardware was developed out of the iNet development to co-exist with traditional telemetry. Our first demonstration is where the traditional telemetry will transmit in lower S-band with this transceiver operating in Upper S-band at Eglin AFB.

Best regards,

Paul Cook
Teletronics Technology Corporation
267 352-2020 ext 165

-----Original Message-----

From: Holtmeyer, Darryl J [mailto:darryl.j.holtmeyer@boeing.com]
Sent: Tuesday, November 17, 2009 10:03 AM
To: Paul Cook
Cc: goddardrn@navair.navy.mil; Ryan, Mikel Mid-Atlantic AFC
Subject: FW: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

Mr. Cook,

You will need to provide information that will assure there will be no interference from your proposed operation to Aeronautical Mobile Telemetry operations in the area of the Naval Air Station located at Patuxent River, MD. In addition, AFTRCC will require assurance that this equipment will not be marketed in the United States on operational frequencies in the 2360 to 2395 MHz band. Coordination will not be acceptable until these questions are satisfactorily addressed.

Thank you,

Darryl J. Holtmeyer
Telemetry Coordinator AFTRCC
St. Louis, MO
coord_tm@aftrcc.org
www.aftrcc.org
314-233-1117

636-239-7565 Home Office

FAX 314-545-8527

Office Location/Hours:

Home Office, Mon., 6:30 AM - 4:00 PM

St. Louis Office, Tue thru Thurs, 6:30 AM 4:00 PM Home Office, Friday 6:30 AM - 10:30 AM

-----Original Message-----

From: Ryan, Mikel R. USNUNK NAVAIR 5.2.3.3 [mailto:mikel.ryan@navy.mil]

Sent: Monday, November 16, 2009 8:28 AM

To: Holtmeyer, Darryl J

Cc: Goddard, Robert N. CIV NAVAIR 5.1.1.3

Subject: RE: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

Darryl,

No I don't. An 80-watt 802.11b device? Why? In our Upper S-Band ATM Band? Why? And unless they can show me they won't interfere with our local flight test telemetry (at that outdoors power it sure looks like they will) I'm gonna have to turn them down.

Very Respectfully,

Mr. Mikel R. Ryan

Head Mid-Atlantic Area Frequency Coordination Office Code 5.2.2.2, Unit 4, Bldg. 2118

23013 Cedar Point Road

NAVAIRWARCENACDIV Patuxent River MD 20670-1183 USA TELEPHONE NUMBER:

301-342-1532/1194 FAX NUMBER: 301-342-1200, DSN PREFIX: 342- EMAIL

ADDRESS: mikel.ryan@navy.mil SIPRNET ADDRESS: mikel.ryan@navy.smil.mil "You can accomplish anything when you have vision, determination, and an endless supply of expendable labor." -- Ramses II

-----Original Message-----

From: Holtmeyer, Darryl J [mailto:darryl.j.holtmeyer@boeing.com]

Sent: Monday, November 16, 2009 8:54

To: Ryan, Mikel R. USNUNK NAVAIR 5.2.3.3; Goddard, Robert N. CIV NAVAIR 5.1.1.3

Subject: RE: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

Mike,

I don't think so. This is a new request from a vendor. Do you have records that show otherwise?

Darryl J. Holtmeyer

AFTRCC Chairman

St. Louis, MO

chair@aftrcc.org

www.aftrcc.org

314-233-1117

636-239-7565 Home Office

FAX 314-545-8527

Office Location/Hours:

Home Office, Mon., 6:30 AM - 4:00 PM

St. Louis Office, Tue thru Thurs, 6:30 AM 4:00 PM Home Office, Friday 7:00 AM - 11:00 AM

-----Original Message-----

From: Ryan, Mikel R. USNUNK NAVAIR 5.2.3.3 [mailto:mikel.ryan@navy.mil]
Sent: Thursday, November 12, 2009 6:44 AM
To: Holtmeyer, Darryl J; Goddard, Robert N. CIV NAVAIR 5.1.1.3
Subject: RE: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

Darryl,
Is this that one we approved twice before??
Mike Ryan

-----Original Message-----

From: Holtmeyer, Darryl J [mailto:darryl.j.holtmeyer@boeing.com]
Sent: Tuesday, November 10, 2009 16:28
To: Goddard, Robert N. CIV NAVAIR 5.1.1.3; Ryan, Mikel R. USNUNK NAVAIR 5.2.3.3
Subject: AFTRCC ICN 1438-09 (TTC/Equipment Test - Newtown, PA)

AFTRCC ICN 1438-09

To: Mid-Atlantic Area Frequency Coordinator
mikel.ryan@navy.mil<mailto:mikel.ryan@navy.mil>
robert.n.goddard@navy.mil<mailto:robert.n.goddard@navy.mil>

AFTRCC concurs and requests coordination for an FCC Experimental License detailed as follows:

Usage: Temporary Outdoor Test of a new Transceiver product, transmitting/receiving a 802.11b complaint waveform detailed as follows:

Applicant:
Teletronics Technology Corporation
Mr. Paul Cook
15 Terry Drive
Newtown PA 18940

Frequencies: 2370 MHz

Emission: 16M5W7D

Power: 80 Watts (ERP)

Class: FX

Area of operation: 0.93 MIRAD (1.5 kMRAD) of
Newtown, PA (40-13-44N / 074-56-07W)

Dates of operation: November 15, 2009 through March 15, 2010

AFTRCC recommendations: None

Please comment via e-mail reply stating concurrence, non-concurrence, scheduling requirements or recommendations.

Signed by:

Darryl J. Holtmeyer

AFTRCC Frequency Advisory Committee

Frequency Manager, AFTRCC Telemetry Coordinator c/o The Boeing Company, Mailcode S306-2005 St. Louis, MO 63166-0516

(Tel) 314-233-1117

(Fax) 425-965-8233

(Email)

darryl.j.holtmeyer@boeing.com<mailto:darryl.j.holtmeyer@boeing.com>

Teletronics Technology Corporation

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Thank you.
