

**From:** [Sanchez, Luis G \(Guillo\) CIV USARMY NETCOM \(US\)](#)  
**To:** [Hankins, Danny](#)  
**Subject:** RE: [Non-DoD Source] RE: Textron Aviation Coordination Request for Wichita Vortex STA (UNCLASSIFIED)  
**Date:** Monday, October 30, 2017 9:49:53 AM

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CLASSIFICATION: UNCLASSIFIED

Dan,

THX for the call, lost track of these one, FRQ is OK, use prior coordination as stated below.

V/R  
Guillo  
Office:  
COM: 210-221-0454  
DSN: 312-471-0454  
Fax: 2844

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

From: Hankins, Danny [<mailto:dhankins@txtav.com>]  
Sent: Monday, October 23, 2017 8:37 AM  
To: Sanchez, Luis G (Guillo) CIV USARMY NETCOM (US)  
<[luis.g.sanchez10.civ@mail.mil](mailto:luis.g.sanchez10.civ@mail.mil)>  
Cc: Sanchez, Edwin (Ed) CIV USARMY NETCOM (US) <[edwin.sanchez1.civ@mail.mil](mailto:edwin.sanchez1.civ@mail.mil)>  
Subject: [Non-DoD Source] RE: Textron Aviation Coordination Request for Wichita Vortex STA (UNCLASSIFIED)

All active links contained in this email were disabled. Please verify the identity of the sender, and confirm the authenticity of all links contained within the message prior to copying and pasting the address to a Web browser.

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Hi Guillo,

BLUF: I need to re-coordinate to get center frequencies that comply with NTIA 4.3.18 channel plan for 4400-4940 MHz. I am requesting 4575 MHz and 4605 MHz, which comply with the channel plan (please verify this is correct). All other parameters are the same as you coordinated below.

Explanation: I received a call from John Kennedy at the FCC advising that the frequencies I requested do not comply with the NTIA channel plan for 4400-4940 MHz (4.3.18). "They" have new software that flagged the error. The frequencies I requested are on a different license we have for the same area and frequencies, but bandwidth of 16M5. The center frequencies of 4570 and 4600 MHz are valid for a 20 MHz channel, but not 10 MHz. Since the max bandwidth we use for Vortex is less than 10 MHz, the channel plan requires a different center frequency to comply with the table. NTIA denied 4600 MHz, but granted 4570 MHz to give me an opportunity to re-coordinate for two frequencies that comply, and then modify the license. A copy of the license is attached FYI.

Sorry for not catching this in the original request.

V/R,

Dan Hankins

Spectrum Manager - Sr

Textron Aviation

620.332.0432 OFFICE

dhankins@txtav.com

From: Sanchez, Luis G (Guillo) CIV USARMY NETCOM (US)  
[Caution-<mailto:luis.g.sanchez10.civ@mail.mil>]  
Sent: Monday, June 05, 2017 9:51 AM  
To: Hankins, Danny <dhankins@txtav.com>  
Cc: Sanchez, Edwin (Ed) CIV USARMY NETCOM (US) <edwin.sanchez1.civ@mail.mil>  
Subject: RE: Textron Aviation Coordination Request for Wichita Vortex STA  
(UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Dan,

AFMO-US&P CONCUR WITH TEXTRON AVIATION COORDINATION REQUEST FOR WICHITA VORTEX STA FROM 16-JUNE-2017 THRU 16-JUNE-2019. COORDINATION NUMBERAFMO170420//GUILLO-LUIS.G.SANCHEZ10.CIV@MAIL.MIL-210-221-0454// < Caution-<mailto:AFMO170420//GUILLO-LUIS.G.SANCHEZ10.CIV@MAIL.MIL-210-221-0454>

//>

V/R

Guillo

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COM: 210-221-0454

DSN: 312-471-0454

Fax: 2844

From: Hankins, Danny [Caution-<mailto:dhankins@txtav.com> <  
Caution-<mailto:dhankins@txtav.com> > ]  
Sent: Monday, June 05, 2017 9:22 AM  
To: Sanchez, Luis G (Guillo) CIV USARMY NETCOM (US)  
<[luis.g.sanchez10.civ@mail.mil](mailto:luis.g.sanchez10.civ@mail.mil) <  
Caution-<mailto:luis.g.sanchez10.civ@mail.mil> > >  
Cc: Sanchez, Edwin (Ed) CIV USARMY NETCOM (US) <[edwin.sanchez1.civ@mail.mil](mailto:edwin.sanchez1.civ@mail.mil)  
< Caution-<mailto:edwin.sanchez1.civ@mail.mil> > >  
Subject: [Non-DoD Source] Textron Aviation Coordination Request for Wichita  
Vortex STA

Hi Guillo,

Hope all is well in Texas. Looking forward to the Fall FMG in San Antonio.

Textron Aviation, Inc. needs to coordinate with you for an experimental STA (to get an authorization soonest possible), and follow up with an application for a 2-year experimental license. The frequencies I am requesting are already on experimental license WH2XCK (attached) that we have for the same location, but the transmitter make/model, power, bandwidth and emissions are different. We are OK with using the same frequencies as

on the attached license. These frequencies will be used for development, testing, and demonstration of airborne platforms incorporating the Vortex datalink transceivers.

#### Request Parameters

Location Description: within 150 km of coordinates 37-38-42 N, 097-15-54 W, Wichita, Sedgwick County, KS

Operation start date: 16-June-2017

Transmitter Model: Vortex C-Band Digital Transceiver, J/F 12/10238

Frequencies: 4570 MHz and 4600 MHz

Emission Designators: 810KF1D, 1M62F1D, 1M94F1D, 2M40G1D, 4M05F1D, 4M79G1D, 9M58G1D

Transmitter Power: 20 W mean

Antenna: 3" blade

Antenna Gain: 6 dBi

Radiated Power: 48.6 W ERP / 80 W EIRP

Station Classes: Mobile aircraft, mobile ground

Aircraft Max Altitude: 20,000 ft MSL

Thanks,

Dan Hankins

Spectrum Manager - Sr

Textron Aviation

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