

From: David Tolman

To: Behnam Ghaffari

Date: November 12, 2014

Subject: FCC File No. 0791-EX-PL-2014

Message:

Coordination with AFTRCC and SDARS license holders completed and provided as attachment.

SDARS:

From: Ayerst, Douglas

To: Tolman, David (IE) @ SSG - PE - MT

Cc: Blitz, James; Karis Hastings

Subject: Mustang Technology: RE: FCC Frequency Coordination

Date: Tuesday, November 11, 2014 1:56:06 PM

Attachments: Mustang Tech Group Exper App Nov 2014.pdf

CC: Jim Blitz, V.P., Regulatory Counsel for SiriusXM Radio

Karis Hastings, outside counsel for Sirius XM Radio.

Dear Mr. Tolman,

I have reviewed your company's request to use the SDARS band for operations described below and in the attached FCC Form 442 request.

These operations include transmitting a signal in the 1600-2400 MHz band at up to 3 W peak ERP and modulated with 1) pulse (150 MHz bandwidth), 2) Barker Coded Pulse (100 MHz bandwidth) or 3) Binary Phase Shift Keying (826 kHz bandwidth). The transmissions would occur at a ground site near Plano, TX as well as from an airborne platform flying 2438 meters AGL within areas having radii 24, 30 and 5 km respectively near Trenton, Pottsboro, and Roanoke, TX. This signaling would significantly raise the noise floor in the SDARS band and could result in wide-area service outages to our customers travelling in these areas.

The Plano test area is in a densely populated and travelled location only 18 miles north of down town Dallas, TX that includes the North Central Expressway (US Hwy 75) which carries 133k cars / day.

Similarly the Roanoke test area includes I-35 W which carries 46k cars / day. The Trenton and Pottsboro test areas also cover busy highways and expressways with high traffic volumes.

For these reasons SiriusXM requests that Mustang notch the SDARS band +/- 5 MHz (2315 – 2350 MHz) from their application.

Sincerely,

Douglas Ayerst

Principal Chief Engineer

SiriusXM Satellite Radio

Office: 954-571-4318

AFTRCC

From: Morris, Wayne L @ ISG - MID

To: Tolman, David (IE) @ SSG - PE - MT

Cc: dataentry@aftrcc.org; Don Hoehn (treasurer@aftrcc.org); "Danny Hankins"; don.p.barnett@lmco.com

Subject: AFTRCC ICN 1529-14/5310 (L3 Mustang Tech/Testing-Plano, TX) (UNCLASSIFIED)

Date: Wednesday, November 12, 2014 9:43:16 AM

See pre operations notification comment in AFTRCC comments below.

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
903-457-6949

From: Sanchez, Luis G (Guillo) CIV USARMY (US) [mailto:luis.g.sanchez10.civ@mail.mil]
Sent: Wednesday, November 12, 2014 9:27 AM
To: Morris, Wayne L @ ISG - MID
Cc: Sanchez, Edwin (Ed) CIV USARMY HQDA CIO G-6 (US)
Subject: RE: AFTRCC ICN 1529-14/5310 (L3 Mustang Tech/Testing-Plano, TX) (UNCLASSIFIED)
Classification: UNCLASSIFIED
AFMO CONCUR WITH AFTRCC ICN 1529-14/5310 (L3 Mustang Tech/Testing-Plano, TX). COORDINATION NUMBER
AFMO140751//GUILLO-LUIS.G.SANCHEZ10.CIV@MAIL.MIL-210-221-0454//
C024 Comments: DoD database check shows no conflicting DoD assignments within 50 mile radius.

V/R

Guillo

Office:

COM: 210-221-0454

DSN: 312-471-0454

From: wayne.morris@L-3com.com [mailto:wayne.morris@L-3com.com]
Sent: Tuesday, November 11, 2014 1:06 PM
To: Sanchez, Luis G (Guillo) CIV USARMY (US)
Cc: Sanchez, Edwin (Ed) CIV USARMY HQDA CIO G-6 (US)
Subject: AFTRCC ICN 1529-14/5310 (L3 Mustang Tech/Testing-Plano, TX)
AFTRCC concurs with and requests DoD AFMO-US&P concurrence/coordination on the following FCC license request.
Applicant:
L3 Mustang Technology
6900 K. Ave.
Plano, TX 75074
POC: David Tolman (972-396-4470)
Frequencies: 2310-2320.0 MHz/2345-2360.0 MHz/2360-2390.0 MHz
Station Classes: MOEC/MOEA
Emissions: 150MP1N/100MQ1N/826KF1D
Power: 1.5 watts (3 watts ERP)
Location: Plano, TX (33-04-03N 96-40-57W)
MIRAD: 62 miles (100KM) MOEA operations
Maximum Flight Altitude: 8000,AGL
Dates: 2015-01-01 thru 2017-12-31
AFTRCC comments: Requires local coordination (48 hr notification) with Dallas Area Fight Test Radio

Coordinating Council (DAFTRCC) for airborne operations. Email don.p.barnett@lmco.com with CC to wayne.morris@l-3com.com.

Additional comment: the bands 2310-20 and 2345-2360 MHz have be reallocated on a primary basis to the Wideband Communications Service (WCS). Additional coordination with WCS may be required.

Please reply via return email as to concurrence, non concurrence, scheduling, or other comments.

Signed:

Wayne Morris

AFTRCC Telemetry Coordinator

903-457-6949

Classification: UNCLASSIFIED

Caveats: FOUO//AFTRCC