alc@conspecinternational.com

From: Karis Hastings <karis@satcomlaw.com>
Sent: Thursday, November 12, 2020 8:53 AM
To: alc@conspecinternational.com
Subject: RE: coordination on 0108-EX-CN-2020

Follow Up Flag: Follow up
Flag Status: Flagged

Anne,

I have consulted with my client Sirius XM, and it has no objections to this Raytheon application.

Best regards,
Karis

Karis A. Hastings
SatCom Law LLC
202.599.0975
karis@satcomlaw.com
www.satcomlaw.com

SatCom Law

From: alc@conspecinternational.com <alc@conspecinternational.com>
Sent: Wednesday, November 11, 2020 10:35 AM
To: 'Karis Hastings' <karis@satcomlaw.com>
Subject: coordination on 0108-EX-CN-2020

Hi Karis,

I am writing to coordinate with Sirius/XM on Raytheon's outdoor antenna test range, application 0108-EX-CN-2020.

I am attaching a copy of the exhibit we filed with the application, which provides all sorts of details about the operations and interference mitigation incorporated into the range.

Background:

This is an application for operation of an antenna test range in Tucson, AZ. The range has been in operation for more than a decade. Our last renewal got tossed from the OET system due to a computer issue, so we filed a new application for identical operations. That is why this is not a renewal. We have never had any instances of interference since the range was operational.

Key Operational Parameters:

1. The range only uses a limited number of frequencies per test, but the application seeks authorization for all that it could need for any test. So, many times, this range will not be using Sirius/XM spectrum.
2. The range steps through frequencies in 10 MHz steps, 2300, 2310, 2320, 2330, 2340, etc. The energy is only on a step for **3.2 milliseconds** and then it moves to the next step. The exhibit shows the low duty cycle on any frequency, should the range be operating across all the spectrum.
3. The transmitter is aimed at azimuth 270, and there is a scatter fence behind it to mitigate any potential interference in the backlobe.

If your engineering team has any questions after reviewing these materials, we would be glad to set up a call to discuss them. Thanks for your help with this.

Best regards and stay well,

Anne

Anne E. Cortez, Esq.
Managing Partner
Washington Federal Strategies
520-360-0925
alc@conspecinternational.com
anne.linton.cortez – Skype ID