From: Blitz, James
To: Anne Cortez
Subject: RE: request for coordination for experimental STA 1130-EX-ST-2019
Date: Monday, August 26, 2019 12:25:16 PM

Anne – Sirius XM does not have any objection to this proposal. Thank you.

Jim Blitz
Sirius XM Radio/Pandora

From: Anne Cortez [mailto:alc@conspecinternational.com]
Sent: Friday, August 23, 2019 12:33 PM
To: Blitz, James <James.Blitz@siriusxm.com>
Subject: request for coordination for experimental STA 1130-EX-ST-2019
Importance: High

Hi Jim,

At the request of the FCC, I am writing to coordination operations of Raytheon Missile Systems' proposed operations under STA application 1130-EX-ST-2019. We have previously coordinated the operations of this antenna test range with Sirius/XM, when it was operating under experimental license WF2XLH. The FCC system dismissed the renewal application due to a computer glitch, and we have had to refile to reinstate the operations.

This is an outdoor antenna test range, which uses the principle of signal reciprocity to determine the antenna patterns of various antenna systems used by Raytheon. A copy of the exhibit to the application is attached here, which provides much more detailed information about the operations.

The antenna range steps up through the frequency bands in discrete steps, with any frequency in use only 3.2 milliseconds of use at any step. The steps are 10 MHz apart, which means that for any test that would overlap the Sirius/XM band, the maximum time in the band would be 9.6 milliseconds for that test.

Not all frequencies are used for each test. The range is not in use constantly, and the secondary use of the Sirius/XM spectrum is extremely limited. This signal is directed due west from the test range, out over the desert. The power level is low, only 30 milliwatts, which attenuates rapidly across the secure plant site.

Once you have had a chance to review the technical information in the attached exhibit, please contact me if you have any questions or wish to discuss this further. Raytheon makes every possible effort to design its experiments in such a way as to avoid harmful interference to primary license holders, and since this range has been operational (starting in 2010) there have never been any complaints of harmful interference. We would be glad to work with you to ensure that remains the case.

Thank you very much.

Anne Cortez, Esq.
On behalf of Raytheon Missile Systems

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