

October 26, 2018

FILED ELECTRONICALLY

Mr. Anthony Serafini, Chief
Experimental Licensing Branch
Office of Engineering and Technology
Federal Communications Commission
Washington, DC. 20554

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**Re: Request for Expedited Processing and Grant
for Limited 2 Day STA Transmissions
On October 30 and 31, 2018**

**BAE Systems Information and Electronic Systems Integration Inc.
Application For Special Temporary Authority
File No. 1832-EX-ST-2018**

Dear Mr. Serafini:

On behalf of BAE Systems Information and Electronic Systems Integration Inc. ("BAE Systems"), this letter is to request expedited processing of the above-referenced application ("STA Request") wherein BAE Systems has requested that the Commission grant special temporary authority ("STA") to permit BAE Systems to operate the facilities specified in the STA Request for an **extremely limited 2 day period of time, on October 30 and 31, 2018.**

As explained at Exhibit 1 to the STA Request:

- The proposed ground testing at BAE Systems' Merrimack, NH will be in support of a joint venture between BAE and the US Army to demonstrate an option for increased performance of the fielded Common Missile Warning System. This is a quick reaction project aimed at providing added protection to aircrews in hostile areas.
- The technical and operational characteristic of the transmissions will ensure mitigation of impact to co-channel operations, as follows:
 - The duration of each transmission **will not to exceed 150 milliseconds**
 - The beam is **narrow and fixed focused and does not scan**, the computer steers the antenna to the target before radiating
 - The target (located on the ground) is at **a fixed location**

In light of the very short time period needed for transmissions, the technical and operational factors described above designed to mitigate impact, BAE Systems submits that expedited processing and grant of this STA Request is in the public interest.

Should any questions arise with respect to the instant Application, please do not hesitate to contact undersigned.

Sincerely,



Jeff Rummel

Attorney for BAE Systems Information and
Electronic Systems Integration Inc.