

1. Introduction and Need for Expedited Processing of Limited STA

By the instant application (“Application”), BAE Systems Information and Electronic Systems Integration Inc. (“BAE Systems”) requests that the Commission grant, on an expedited basis, special temporary authority (“STA”) to permit BAE Systems to operate the facilities (the “Facilities”) specified in the instant application. Expedited STA is requested for limited period of time, from August 10-October 31, 2015. During this period, BAE Systems expects to require only 10 days on which transmission will occur on the requested frequencies.

Background:

- The 228.8-328.6 MHz band had been authorized on BAE Systems’ WE2XYG license since the initial grant in 2010, and operated without incident or objection.
- In the Commission’s recent grant under File No. 0016-EX-ML-2015 (and the accompanying 0099-EX-RR-2015) for Station WE2XYG, the Commission removed the previously granted entire 228.8-328.6 MHz band.
- In File No. 0016-EX-ML-2015, BAE Systems simply requested only confirmation of power level for this band as .1W ERP, and the removal of the 4K00F3E emission designator, with no other changes requested. Despite numerous requests by BAE Systems to FCC requesting information on any remaining processing issues, no issue was ever identified to the company describing an objection or problem with the 228.8-328.6 MHz band. Nonetheless, without advance warning or discussion, the entire critical band was removed upon grant of the application. Despite this action, continued operation by BAE Systems within the removed band, during the requested limited period, is absolutely critical in order to meet extremely near-term field returns of military equipment that are expected to be delivered starting in the next few days.

Need for Expedited Processing:

- As stated above, continued operation by BAE Systems within 228.8-328.6 MHz band, during the limited requested period, is absolutely critical in order to meet extremely near-term field returns of military equipment that are expected to be delivered starting in the next few days. **To be clear, the successful and timely completion of this near-term testing within the requested period is directly related to national security, as the equipment to be tested must immediately be returned to military operation as soon as possible.** Any questions regarding confirmation of the national security issues and related contract issues should be directed promptly to:

Ms. Cynthia B Straney, US Navy
202-781-1791 (cynthia.b.straney@navy.mil).

In order to keep these operations as limited in scope as possible:

- BAE Systems has reduced the frequency request from the entire 228.8-328.6 MHz band, to only 3 discrete frequencies, namely: 252 MHz, 287 MHz, and 326 MHz; and
- During this requested STA period of August 10-October 31, 2015, BAE Systems expects to require only 10 days on which transmission will occur on the requested frequencies.

Because these transmission requirements are due to external military scheduling requirements beyond the applicant's control, and because the successful and timely completion of this near-term testing within the requested period is directly related to national security, expedited processing of this application is necessary and justified.¹

2. Purpose and Nature of the Operation

BAE Systems manufactures and tests RF systems as well as antennas for DOD as well as other governmental customers. The testing specified in this Application will be conducted by BAE Systems Information and Electronic Systems Integration Inc., which is a major producer of electronic warfare systems, protection systems, and tactical surveillance and intelligence systems for all branches of the armed forces. This unit's lines of business include Electronic Warfare/Electronic Protection, Electronic Warfare/Information Warfare, Integrated Defense Solutions, and Mission Electronics with products and services spanning the whole electromagnetic spectrum.

In this case, as explained above, the requested transmissions are absolutely critical in order to meet extremely near-term field returns of military equipment that are expected to be delivered starting in the next few days. To be clear, the successful and timely completion of this near-term testing within the requested period is directly related to national security, as the equipment to be tested must immediately be returned to military operations as soon as possible. Any questions regarding confirmation of the national security issues and related contract issues should be directed promptly to:

Ms. Cynthia B Straney, US Navy
202-781-1791 (cynthia.b.straney@navy.mil).

3. Waiver of Station ID

Waiver of the Station ID rules set forth at Section 5.115 is respectfully requested.

¹ BAE Systems intends to address more permanent authorization for these frequencies with staff, through either correction of the WE2XYG Station license, or modification of the license via application.

4. **Directionality/Transmitting Equipment**

A directional antenna will be mounted 39 inches above the ground, transmitting parallel to the ground along a 215.6 deg azimuth line of bearing.

Manufacturer: Sunol Sciences
Model No. JB-1
Frequency Range: 30-2000 MHz
Gain: 7 dBi max
E-Plane Beamwidth: 60 deg
H-Plane Beamwidth: 100 deg

5. **Stop Buzzer**

The designated point-of-contacts to terminate transmissions if interference occurs is:

George Moynihan (603) 689-8630

and

BAE Systems Emergency Services Center (603) 885-3842