From: Keith Crabtree

To: Doug Young
Date: June 03, 2013

Subject: Request for Info - STA File #0487-EX-ST-2013

Message:

File No. 0487-EX-ST-2013
Ref. No. 20319

Mr. Young:

On behalf of Science Applications International Corporation (SAIC), this message is in reply to your inquiry issued under Ref. No. 20319 on 5/24/2013 for the above-referenced application.

As an initial matter, SAIC greatly appreciates your comments regarding the requested frequencies, and SAIC is committed to ensuring that its requests are narrowly tailored to its experiments’ requirements.

To that end, as a result of a thorough examination of the test and demonstration requirements associated with use of the SeaLancet radios and a detailed analysis of the hardware’s discrete channel settings, SAIC has refined its frequency requests on the application to specify the following bands:

-    2202 – 2302 MHz (center frequency range 2212-2292 MHz, channel bandwidth 20MHz)
-    2362 – 2382 MHz (center frequency 2372 MHz, channel bandwidth 20 MHz)
-    2392 – 2447 MHz (center frequency range 2402-2437 MHz, channel bandwidth 20MHz)

With respect to these adjustments, SAIC notes that it has already corresponded with SiriusXM Radio, and as a result of such discussions, SAIC has agreed to delete the frequencies in the 2320-2345 MHz band from the pending application in order to completely deconflict with SiriusXM’s licensed SDARS frequencies.

With this modified frequency request, SAIC has also avoided, as much as possible, conflict with the WCS, AFTRCC, and SBE bands. This modified request maintains a 3MHz guard band at the lower edge of the WCS allocation, complete avoidance of the SiriusXM allocation, a 3 MHz guard band at the lower edge of the SBE allocation, and avoidance of 35 MHz of the 55 MHz AFTRCC allocation. SAIC recognizes that the channel within the AFTRCC allocation may be subject to deconfliction, but requesting this channel is important to sufficient characterization sampling of radio performance over its full band of operation. This refined frequency request (representing a 41% reduction in requested bandwidth compared to the initial filing documents) will preserve for SAIC the opportunity to demonstrate SeaLancet system performance over a suitably wide sampling of the hardware’s frequency capabilities as well as maintaining the necessary flexibility (26 of 53 available discrete channel selections) to deconflict with other entities operating within the above listed bands.

Should any further questions arise with respect to this request, please do not hesitate to contact me.

V/R,
Keith

Keith Crabtree
SAIC
Arlington, VA
keith.s.crabtree@saic.com
703-283-5695