

From: Jamie Slippy

To: Behnam Ghaffari

Date: July 30, 2013

Subject: FCC File No. 0735-EX-ST-2013

Message:

Thank you for your prompt response. Please note that the email I received noted the spectrum requested is 1-400MHz and 1000-18000MHz. I reviewed my application for accuracy and the request is actually for 1-18000MHz -- the part of the spectrum including 18000MHz starts at 100MHz.

That said, the issue you raised is just as valid. However, please see the exhibits attached to our application describing the type of emissions requested. The spectrum requested is mandated by 14 CFR 23.1308 for aircraft certification. Of note, we are sweeping through the spectrum very quickly, not dwelling on any frequencies and not transmitting data (Exhibit 2, sections 5.4 and 5.5). In addition, the transmitted power levels are low.

The proposed testing is being contracted to a testing supplier who performs this testing all over the world. In my discussions with their engineer, their methodologies (as described in Exhibit 2) are designed to minimize or eliminate any harmful interference. They have described a recent test conducted 100m from a control tower at an airport with multiple arriving and departing aircraft with no complaints from ATC. In this example, ATC was coordinated and a test representative was present with ATC during emissions. Our test location is approximately 50 miles from the nearest ATC towered airport.

Consequently, I request that you please reconsider the requested spectrum based on the additional information in the two exhibits. If you need more information or require a discussion with the test engineer, I can help coordinate that discussion.

Thank you,

Jamie Slippy
Principal Engineer
Quest Aircraft Company