

## Terry, Ryan N (US)

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**Subject:** Lockheed Martin Corporation request for consent to operate in UHF band

**From:** George John [mailto:george.john@spire.com]

**Sent:** Thursday, March 29, 2018 9:09 AM

**To:** Terry, Ryan N (US) <ryan.n.terry@lmco.com>

**Subject:** EXTERNAL: Re: EXTERNAL: Re: EXTERNAL: Fwd: Lockheed Martin Corporation request for consent to operate in UHF band

Thanks for clarifying. We agree to your proposed STA operations, which would last through October 15, 2018. However, if you plan to operate past that date, please let us know as we will need to do additional interference analyses at that point.

George

On Wed, Mar 28, 2018 at 10:42 PM, Terry, Ryan N <[ryan.n.terry@lmco.com](mailto:ryan.n.terry@lmco.com)> wrote:

Happy to provide any detail!

We're looking to commence by 4/15, thus through 10/15 as styled on the FCC form for OET consideration.

I'm happy to discuss also, if that would be helpful.

Ryan

On Mar 28, 2018, at 18:20, George John <[george.john@spire.com](mailto:george.john@spire.com)<mailto:[george.john@spire.com](mailto:george.john@spire.com)>> wrote:

Thanks. If it's a six-month STA, when would its start and end date be roughly? I should have asked before, so I apologize!

George

On Wed, Mar 28, 2018 at 8:42 PM, Terry, Ryan N <[ryan.n.terry@lmco.com](mailto:ryan.n.terry@lmco.com)<mailto:[ryan.n.terry@lmco.com](mailto:ryan.n.terry@lmco.com)>> wrote:  
Good afternoon, George.

The current plan is to conduct a six-month STA to test and validate system performance to demonstrate to DARPA system capabilities. There are no current plans to renew before that limited term. If future additional testing might be required, we understand that we would have to negotiate anew with parties, if the same frequencies should be necessary.

Best,  
Ryan

From: George John [mailto:[george.john@spire.com](mailto:george.john@spire.com)<mailto:[george.john@spire.com](mailto:george.john@spire.com)>]

Sent: Wednesday, March 28, 2018 7:09 PM

To: Terry, Ryan N (US) <[ryan.n.terry@lmco.com](mailto:ryan.n.terry@lmco.com)<mailto:[ryan.n.terry@lmco.com](mailto:ryan.n.terry@lmco.com)>>

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Ryan,

My colleague, Joel Spark, forwarded me your email as I deal with spectrum coordination issues for Spire. What is the duration of the STA associated with the mentioned operations? Do you have plans to renew the STA?

Kind regards,  
George

George John

Legal & Regulatory Counsel

Spire Global, Inc.

575 Florida Street, Suite

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----- Forwarded message -----

From: Terry, Ryan N <[ryan.n.terry@lmco.com](mailto:ryan.n.terry@lmco.com)<<mailto:ryan.n.terry@lmco.com>>>

Date: Wed, Mar 28, 2018 at 1:01 AM

Subject: Lockheed Martin Corporation request for consent to operate in UHF band

To: "[joel@spire.com](mailto:joel@spire.com)<<mailto:joel@spire.com>>" <[joel@spire.com](mailto:joel@spire.com)<<mailto:joel@spire.com>>>

Hi, Joel.

We are working with DoD/DARPA on the development of a new technology, which requires testing in various UHF frequencies. We wish to request FCC authority for an experimental Special Temporary Authority (STA) to operate on three channels, including 440.0 MHz, at our locations in and around Goodyear, Arizona and Fort Walton Beach, Florida (in conjunction with Eglin Air Force Base).

Even as our operations center at 440.0 MHz, we understand that the DARPA bandwidth requirements could mean that our transmissions would overlap Spire's operations in 449.75-450.25 MHz, depending on proximity of our operations to your earth station locations.

A description of the operations for operations is provided in the attached draft application exhibits.

If our proposed operations would pose no potential of interference to your operations, we respectfully request your consent, which I can transmit to the FCC by email.

Thanks very much,  
Ryan

Ryan N. Terry  
Director, Regulatory Licensing and Policy  
Trade & Regulatory Affairs  
Lockheed Martin Corporation

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