

Terry, Ryan N (US)

-----Original Message-----

From: Craig Scheffler [mailto:craig@planet.com]

Sent: Wednesday, April 04, 2018 11:55 AM

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

Cc: Craig Scheffler <craig@planet.com>; Mike Safyan <mike@planet.com>; Rich Leshner <rich@planet.com>

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

Hello Terry,

Given the information you provided about your system and on the basis it is a short term limited test project, we provide consent to the tests and do not expect significant interference to our nearby systems.

For Background,

The power density of your UHF transmission with 50 MHz bandwidth will be something like -44 dBW/Hz and about 30 dB below the power density of our transmissions. Therefore I don't expect an interference issue with our satellite's UHF receivers. In addition, given your very low frequency of operations, its unlikely there will be a coincidental transmission in the direction of our satellite at the same time we are transmitting. Therefore we can consent to the test.

As for X-band, currently our nearest X-band receiver ground station is in Washington State and therefore I don't foresee any potential for interference from your transmissions, assuming your X-band operations are also based out of Arizona or Florida. Let us know however if test operations will be any different than as stated here, in particular location.

Best Regards,

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Craig Scheffler | Planet
Spectrum Manager
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Ryan N. Terry

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