

## Anthony Serafini

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**From:** Anthony Serafini  
**Sent:** Friday, August 11, 2017 2:28 PM  
**To:** 'andrew\_santangelo@sci-zone.com'; 'jeremy.straub@ndsu.edu'  
**Cc:** Joseph Hill; Sankar Persaud; Jeanette Spriggs  
**Subject:** RE: STA 1606-EX-ST-2016 questions  
**Attachments:** SAMPLE\_GlobalStar\_API.RTF; Guidance\_on\_filing\_Globalstar\_API.DOCX

Andrew

Please see the following documents for guidance on completing the API filing. Carlos took a new position at NOAA but provided this before he left. Please send me the updates when completed.

*The guidance document provides a list of the technical adjustments the applicant needs to make in the API and the Sample API document shows how the API show look after the applicant finishes entering the proper data into the API.*

Thanks  
Tony

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**From:** Anthony Serafini  
**Sent:** Tuesday, July 25, 2017 2:53 PM  
**To:** 'andrew\_santangelo@sci-zone.com' <andrew\_santangelo@sci-zone.com>; 'jeremy.straub@ndsu.edu' <jeremy.straub@ndsu.edu>  
**Cc:** Carlos Flores <Carlos.Flores@fcc.gov>  
**Subject:** FW: STA 1606-EX-ST-2016 questions

Hello Andrew

I don't think I have a response to the questions below. Please confirm.

Thanks  
Tony

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**From:** Anthony Serafini  
**Sent:** Thursday, May 25, 2017 7:02 PM  
**To:** [andrew\\_santangelo@sci-zone.com](mailto:andrew_santangelo@sci-zone.com)  
**Subject:** STA 1606-EX-ST-2016 questions

Andrew

The International Bureau has the following questions and comments. Please respond.

IB has reviewed the subject request and has the following comments/questions:

Assuming the Global Star duplex is being used, the Form 442 should probably only have the 1615-1617.5 MHz band which is the only emitter.

We are not sure why Form 442 has a second entry of 1615-1618.725 MHz band with 1M23G1W. Is this a second emission they plan to transmit or does the emission above cover this one?

So, if there is a second emission then the frequency range will need to be adjusted to 1615-1617.5 MHz band.

#### SpaceCap API

Please provide the antenna pattern of the 4.3 dBi for the **transmit** link.

Minimum elevation angle can be left blank since transmission are space to space.

Please check "Y" box RR No. 4.4; currently it is blank.

Please check the max/min power spectral density values. The formula for the Power Spectral Density = Power (in dBW) – 10 \* Log10 (Emission Bandwidth in Hertz).

Please provide the antenna pattern of the 4.3 dBi for the **receive** link.

Also, the **receive link frequency should be 2483.5-2500 MHz** not 1615-1617.5 MHz; please review and confirm this.

Minimum elevation angle can be left blank since transmission are space to space.

Please check "Y" box RR No. 4.4; currently it is blank.

Please check the max/min power spectral density values. The formula for the Power Spectral Density = Power (in dBW) – 10 \* Log10 (Emission Bandwidth in Hertz).

Thank You  
Tony