

## Nimesh Sangani

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**From:** Christoffersen, Michael Steven - (mchristo) <mchristo@arizona.edu>  
**Sent:** Tuesday, February 23, 2021 2:46 PM  
**To:** Nimesh Sangani  
**Subject:** Re: STA 0178-EX-ST-2021 Questions

Hi Nimesh,

I did overlook that, I am sorry. I have entered the coordinates of McCarthy, AK and the max distance we would fly away from it as the radius.

The other antenna is also airborne, I've entered the lat/lon/radius and height AGL info there as well.

Michael Christoffersen

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**From:** Nimesh Sangani <Nimesh.Sangani@fcc.gov>  
**Sent:** Tuesday, February 23, 2021 12:38 PM  
**To:** Christoffersen, Michael Steven - (mchristo) <mchristo@arizona.edu>  
**Subject:** [EXT]RE: STA 0178-EX-ST-2021 Questions

### External Email

Michael,

You're still missing few things. Please review both emails that I sent you.

Lat/long (center point): degree minutes seconds

Radius of operation: kilometers.

You need to enter this in your STA.

One thing I just noticed, the frequency in the antenna # 2 is listed as 2.5 – 7.5 MHz. Is this airborne? If yes then you need to enter the altitude information here as well. Lat/long and Radius of operation is also missing.

V/r,  
Nimesh

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**From:** Christoffersen, Michael Steven - (mchristo) <mchristo@arizona.edu>  
**Sent:** Tuesday, February 23, 2021 2:32 PM  
**To:** Nimesh Sangani <Nimesh.Sangani@fcc.gov>  
**Subject:** Re: STA 0178-EX-ST-2021 Questions

Thank you!

I've edited the area of operation and purpose of operation sections. I've also edited the "Why STA is necessary section" to reflect the correct frequencies.

I've also extended the date range of the STA request due to operational uncertainty on our end, but the surveys would only consist of a week or two of flights.

Michael Christoffersen

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**From:** Nimesh Sangani <[Nimesh.Sangani@fcc.gov](mailto:Nimesh.Sangani@fcc.gov)>  
**Sent:** Tuesday, February 23, 2021 12:14 PM  
**To:** Christoffersen, Michael Steven - (mchristo) <[mchristo@arizona.edu](mailto:mchristo@arizona.edu)>  
**Subject:** [EXT]RE: STA 0178-EX-ST-2021 Questions

**External Email**

Michael,

You can enter information in the  
If mobile, describe area of operation section like this.  
**McCarthy, Alaska 1000ft AGL**

In the **purpose of operation section**, you can enter the added information that you provided.  
*"The antenna will be airborne while transmitting, flights would be draped over topography at about 300 meters above ground level."*

V/r,  
Nimesh

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**From:** Christoffersen, Michael Steven - (mchristo) <[mchristo@arizona.edu](mailto:mchristo@arizona.edu)>  
**Sent:** Tuesday, February 23, 2021 2:08 PM  
**To:** Nimesh Sangani <[Nimesh.Sangani@fcc.gov](mailto:Nimesh.Sangani@fcc.gov)>  
**Subject:** STA 0178-EX-ST-2021 Questions

Hi Nimesh,

I've edited the "If mobile, describe the exact area of operation:" field for both antennas to give the town nearest to where the surveys would be based out of.

The antenna will be airborne while transmitting, flights would be draped over topography at about 300 meters above ground level. I wasn't sure where to enter this in the web form so I had put 300m in the "Overall height above ground to tip of antenna (in meters):" field of the "Antenna Height" section and also an explanation of the flight altitude in the "List any natural formations..." text box.

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