

From: Ozgur Ozdemir

To: Nimesh Sangani

Date: July 02, 2019

Subject: Additional Information Request

Message:

Q: Please upload an exhibit that clearly describes your modification request.

A: Our previous license was for 28 GHz and the geographic area was covering the NCSU campus and the downtown Raleigh. We would like to extend the geographic area of the license to cover the RDU airport and a small airport (possibly Johnston Airport) around Raleigh within a 50 km radius. We already initiated communication with both RDU and Johnston airports and we will be waiting to clear FCC and other permissions to carry out our measurements. We will be performing channel sounder measurements as included in our NASA project with Federal Award ID: NNX17AJ94A. We also would like to perform measurements at 39 GHz as well in addition to 28 GHz in our previous license.

Q: Please Do NOT edit the already approved frequency when you file for modification. You can add a new antenna and add the desired frequencies to that. Please change the application to show the approved frequency in your original application. Center Frequency of 28 GHz and Bandwidth of 2 GHz.

A: When modifying our license I have changed the frequency range as 24-33.4 GHz because this is the range our equipment can transmit. However I would like to keep the frequency at 28 GHz and bandwidth 2 GHz as in our previous license which is the setting we will be using. If there is subset of frequencies at/around 28 GHz and 39 GHz that may be more available, we can look into the possibility confining our measurements within that range.

Q: You mentioned that measurement is for NASA Project. Please provide the latest Government Contract Number, Name of the Agency, Agency Contact Name, and Agency Contact Phone number

A: Contract Number:
Federal Award ID: NNX17AJ94A

Government Point of Contact: Rafael D. Apaza (NASA)
Phone: (216) 433-2875
Email: rafael.d.apaza@nasa.gov