



**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554**

In the Matter of)	
)	
Globalstar, Inc. Petition for Notice)	RM No. 11808
of Inquiry Regarding the Operation)	
of Outdoor U-NII-1 Devices)	
in the 5 GHz Band)	

COMMENTS OF THE UNIVERSITY OF MISSISSIPPI

The University of Mississippi hereby supports Globalstar, Inc.'s ("Globalstar's") above-captioned Petition for Notice of Inquiry. The University of Mississippi (UM) and Globalstar have entered into a partnership by which an advanced 2nd generation ground station will be installed on the main UM campus in Oxford, MS to enable advanced communications research and the education of students in this rapidly developing field. This ground station will provide a unique opportunity for UM researchers and students to test advanced waveforms, communications protocols, security protocols, and develop new communications tools for remote sensor systems using the Globalstar network of low earth orbit satellites. Further, UM has begun to seek partnerships with other federal entities to leverage this facility and develop research programs that address current and future needs of those agencies.

We understand from Globalstar's Petition that its licensed mobile satellite service ("MSS") operations and outdoor Unlicensed National Information Infrastructure ("U-NII") devices cannot successfully share the 5.1 GHz band; and that Globalstar has measured a sharp rise in the noise level in the 5.1 GHz band, where it is licensed for "feeder uplink" transmissions from its gateway earth stations to its satellites. UM is concerned that increased noise levels in this frequency band



will negatively impact potential research and education opportunities using the ground station and satellite network. We understand that the FCC stated it would take “corrective action” if Globalstar experienced harmful interference from outdoor U-NII-1 operations. We would request the FCC begin this action now rather than wait until more noise sources become implemented resulting in a degradation of the capabilities of this unique research facility.

Respectfully submitted,

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Interim Vice Chancellor for Research

University of Mississippi

July 9, 2018