



DEC - 1 2008

Mr. Julius Knapp  
 Chief, Office of Engineering and Technology  
 Federal Communications Commission  
 445 12th Street SW  
 Washington, DC 20554

Dear Mr. Knapp:

In its Notice of Proposed Rulemaking (NPRM), *Amendment of Parts 2 and 25 of the Commission's Rules to Allocate Spectrum and Adopt Service Rules and Procedures to Govern the Use of Vehicle-Mounted Earth Stations in Certain Frequency Bands Allocated to the Fixed-Satellite Service*, IB Docket No. 07-101, the Federal Communications Commission sought comment on whether to license Vehicle-Mounted Earth Stations (VMES) as an application of the fixed-satellite service in the conventional and extended 14/12 bands.<sup>1</sup> In this NPRM the Commission discussed the protection of current radio astronomy sites operating in the band 14.47-14.5 GHz. The NPRM indicated the locations of the sites requiring protection and the distance from these sites for which coordination with the National Science Foundation (NSF) would be required of VMES applicants before VMES operations could begin within the specified distance of the sites. The list of NSF radio astronomy sites in the following table updates the information contained in the NPRM:

Observatory	Latitude (North)	Longitude (West)	Radius (km) of Coordination Zone
Arecibo Observatory, Arecibo, PR	18° 20' 37"	66° 45' 11"	Island of Puerto Rico
Green Bank, WV	38° 25' 59"	79° 50' 23"	160
Very Large Array, near Socorro, NM	34° 04' 44"	107° 37' 06"	160
Pisgah Astronomical Research Institute, Rosman, NC	35° 11' 59"	82° 52' 19"	160
U of Michigan Radio Astronomy Observatory, Stinchfield Woods, MI	42° 23' 56"	83° 56' 11"	160
<i>Very Long Baseline Array stations:</i>			
Brewster, WA	48° 07' 52"	119° 41' 00"	50
Fort Davis, TX	30° 38' 06"	103° 56' 41"	
Hancock, NH	42° 56' 01"	71° 59' 12"	
Kitt Peak, AZ	31° 57' 23"	111° 36' 45"	
Los Alamos, NM	35° 46' 30"	106° 14' 44"	
Mauna Kea, HI	19° 48' 05"	155° 27' 20"	
North Liberty, IA	41° 46' 17"	91° 34' 27"	
Owens Valley, CA	37° 13' 54"	118° 16' 37"	160*
Pie Town, NM	34° 18' 04"	108° 07' 09"	50
St. Croix, VI	17° 45' 24"	64° 35' 01"	

\* Owens Valley, CA operates both a VLBA and single-dish telescopes.

<sup>1</sup> *Amendment of Parts 2 and 25 of the Commission's Rules to Allocate Spectrum and Adopt Service Rules and Procedures to Govern the Use of Vehicle-Mounted Earth Stations in Certain Frequency Bands Allocated to the Fixed-Satellite Service*, IB Docket No. 07-101, Notice of Proposed Rulemaking, FCC 07-86, 22 FCC Rcd 9649 (2007).

The appropriate NSF contact point to initiate coordination for these sites is: Electromagnetic Spectrum Manager, National Science Foundation, 4201 Wilson Blvd, Suite 1045, Arlington VA 22230, fax 703-292-9034, email [esm@nsf.gov](mailto:esm@nsf.gov).

If you have any questions my point-of-contact on this issue is Edward M. Davison (202-482-5526; [edavison@ntia.doc.gov](mailto:edavison@ntia.doc.gov)).

Sincerely,

A handwritten signature in blue ink, appearing to read 'Karl B. Nebbia', written in a cursive style.

Karl B. Nebbia  
Associate Administrator  
Office of Spectrum Management