



Brown University
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ANTENNA ORIENTATION

The following discussion appears in the separate attached Technical Statement:

The closest radio astronomy facility with known capability at these frequencies is the MIT Haystack Observatory in Westford MA* which is 88 km away but without a line of sight path. The azimuth from Brown to Haystack is 355° . Out of an abundance of caution, Brown will avoid all transmissions in azimuths from 340° to 370° .

All transmissions will be at a zero degree or less elevation angle, which should contribute to the protection of any passive satellite sensors in these bands in both GSO and NGSO orbit. Atmospheric absorption is also a key factor that facilitates sharing in this range.

* <http://www.haystack.mit.edu/>