

EME from Halfway Around the Earth

**Listening for W2ETI (41d 0m N, 74d 41m W) from
Olkhon Island, Siberia (53d 12m N, 107d 18m E)
with a difference of 178 degrees Longitude**

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Abstract

W2ETI is an automated "Moonbounce Beacon" at 1296 MHz operated from New Jersey by the SETI League. It transmits on a five-minute cycle whenever the Moon is in view from New Jersey (duh). Olkhon Island is in the middle of Lake Baikal, where Berkut, a local youth group is setting up an Amateur Radio Club and Radio Astronomy Observatory.

At first glance it would seem that both stations would be pointing their respective antennas right on the horizon (at the Moon) and hope that the five minute transmission cycle from W2ETI happened at just the right moment. Good Luck! But there are 3 things (probably more!) which a beginner (such as myself) might overlook.