

50 MHz EME

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The 50 MHz band lies at the outer edge of commonly used EME bands with its VHF properties ever-challenging those who choose to work EME here “at the bottom” of spectral EME regions.

Hardware for 6m EME is large, unwieldy, and difficult to construct in a way that it survives wind conditions. Virtually none of the components herein are ‘plug-and-play,’ with most incorporating custom design and fabrication [note: this is *not* a low-budget configuration].

This presentation takes the viewer through various hardware and operational software system design considerations (based on experience gained through construction and operation of prior 2m 8 x 2mXP28 array and 6m 4 x 9 linear array).

Finally, photographs and drawings detail array construction in 2019-2020.