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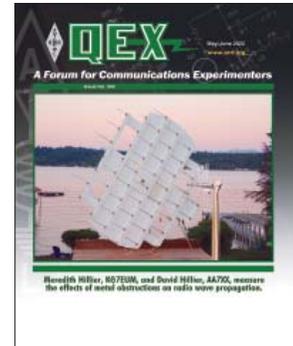
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**About the Cover**

Meredith Hillier, KG7EUM, and David Hillier, AA7XX, measure and report on the effects of metal obstructions on radio wave propagation. This complements a previous article by KG7EUM, "Effects of Common Building Materials on Radio Wave Propagation," which appeared in QST, January, 2022. In the present study, the authors investigate in more detail the effects of metal obstructions in both the far field and in the near field. They report on the resonance and phase effects of metal objects in the main beam of the Yagi antennas. A purpose-built radio test range includes elevated Yagi transmit and receive antennas 13.4 m apart, and a platform to hold the antenna array obstruction under test.



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