



USS MISSOURI

IOWA-Class Battleship Scale Model

Since 1947, SSC San Diego has led the effort to enhance ship antenna performance by using ship structural elements and by minimizing the number of ship antennas. In 1981, Public Works Center San Diego (PWC SD) fabricated for SSC San Diego this turntable-mounted 1/48th scale brass model of the USS MISSOURI (BB 63). A 1/48th scale model ship is the most useful tool for determining the design, placement, and operational characteristics of HF antenna systems in a shipboard environment.



The actual USS MISSOURI (BB 63) "Mighty MO" is a registered national historic landmark and served in World War II, the Korean War, and in the Persian Gulf. World War II ended with the signing of the "Instrument of Surrender" on her deck on 2 Sept 1945.

SSC San Diego's miniature fleet of naval vessels is used on short notice to provide reliable antenna-performance predictions.



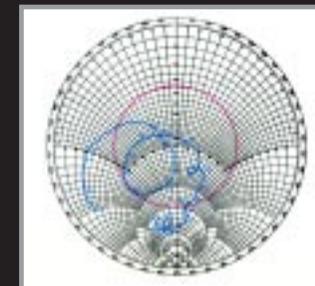
Antenna Test Range at SSC San Diego

The Antenna Test Range is used to measure, evaluate, design, and predict the performance of shipboard antennas.



Model Shop at PWC San Diego

Models allow easy changing of super-structure elements to determine optimum antenna location.



Smith Chart

Test results from model shipboard antennas have shown excellent correlation to actual performance at sea.