

### Special Problem 6.D-2

**Incident** on a transmit antenna input port is **12.5 W** of power.

This antenna has a **radiation** resistance of **60  $\Omega$** , an antenna **loss** resistance of **15  $\Omega$** , and a reactance of **zero**.

This antenna has a **maximum directivity** of  **$250\pi$** .

Determine the **maximum intensity** produced by this antenna.

