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**ABSTRACT**

Aspects of the present disclosure include methods and devices for energy harvesting (EH). An EH device may be configured to transmit, to an energy transfer (ET) device or a base station, an indication of an EH capability of the EH device. The ET device may be configured to transmit, to the EH device or the base station, an indication of an ET capability of the ET device. The ET device may also be configured to receive a request to transmit RF energy to the EH device. The base station may also be configured to configure transmission of RF energy from at least one ET device to the EH device based on the at least one indication of the EH capability. The EH device may also be configured to receive, and the ET device may be configured to transmit, based on the transmitted indication, RF energy.

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