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**ELFSTRÖM et al.**(10) **Pub. No.: US 2023/0232258 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **OTA ESTIMATION OF AN RF PARAMETER  
OF A RADIO TRANSMITTER****H04L 5/00** (2006.01)**H04W 72/12** (2006.01)(71) Applicant: **Telefonaktiebolaget LM Ericsson**  
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**ABSTRACT**(73) Assignee: **Telefonaktiebolaget LM Ericsson**  
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There is provided mechanisms for enabling OTA estimation of a radio frequency parameter of a radio transmitter during a test time interval. The radio transmitter is configured for transmission in a set of beams. A method is performed by a controller of the radio transmitter. The method comprises identifying a subset of beams in the set of beams that, during the test time interval, are unused for transmission of scheduled signals. The method comprises instructing the radio transmitter to transmit, during the test time interval, an unscheduled signal in the subset of beams, whilst also transmitting the scheduled signals in those beams of the set of beams that are used for transmission of the scheduled signals, for enabling estimation of the radio frequency parameter of the radio transmitter.

