

**POWER OF ATTORNEY FOR PROCEEDINGS  
BEFORE THE PATENT TRIAL AND APPEAL BOARD**


I hereby appoint practitioners associated with Jones Day, Customer Number 20583, including the following:

David B. Cochran	Reg. No. 39,142
David M. Maiorana	Reg. No. 41,449
Joseph M. Sauer	Reg. No. 47,919
Matthew W. Johnson	Reg. No. 59,108
Joshua R. Nightingale	Reg. No. 67,865
Richard A. Graham	Reg. No. 76,216

as attorneys to represent Qualcomm Incorporated in proceedings before the Patent Trial and Appeal Board.

**SIGNATURE of Qualcomm Incorporated**

The individual whose signature and title is supplied below is authorized to act on behalf of  
Qualcomm Incorporated

Signature		Date: July 6, 2018
Name	David Greenfield	Telephone Number: 858-845-4581
Title	Senior Legal Counsel	