

**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 | | |