

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ARRIS GROUP, INC.
Petitioner

v.

TQ DELTA, LLC
Patent Owner

Case No.: Unassigned

POWER OF ATTORNEY

Mail Stop PATENT BOARD
Patent Trial and Appeal Board
United States Patent and Trademark Office
PO Box 1450
Alexandria, Virginia 22313-1450
Submitted Electronically via the Patent Review Processing System

Inter Partes Review of Patent No. 7,835,430

Pursuant to 37 C.F.R. 42.10(b), Patent Owner, ARRIS GROUP, INC., hereby appoints the following lead and back-up counsel to prosecute and transact all business before the Patent Trial & Appeal Board of the United States Patent and Trademark Office connected with a Petition for *Inter Partes* Review of U.S. Patent No. 7,835,430 entitled "Multicarrier Modulation Messaging for Frequency Domain Received Idle Channel Noise Information" in which, TQ DELTA, LLC has ownership interest:

LEAD COUNSEL

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The undersigned is authorized to sign this Power of Attorney on behalf of Patent Owner, ARRIS GROUP, INC.

Date:

Jan. 2, 2016

Robert J. Starr

Name: Bob Starr

Title: Senior Patent Counsel for
ARRIS GROUP, INC.