

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ARRIS GROUP, INC.
Petitioner

v.

TQ DELTA, LLC
Patent Owner

Case:

POWER OF ATTORNEY

FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 8,611,404

Pursuant to 37 C.F.R. 42.10(b), Petitioner, ARRIS GROUP, INC., hereby appoints the following lead and backup counsels 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. 8,611,404 entitled “Multicarrier Transmission System with Low Power Sleep Mode and Rapid-On Capability” in which TQ Delta, LLC has ownership interest:

LEAD COUNSEL	BACKUP COUNSEL
<p>Charles Griggers USPTO Reg. No. 47,283 charles.griggers@thomashorstemeyer.com</p> <p>Thomas Horstemeyer, LLP 400 Interstate North Parkway Suite 1500 Atlanta, Georgia 30339 Tel: (770) 933-9500 Fax: (770) 951-0933</p>	<p>Dan Gresham USPTO Reg. No. 41,805 dan.gresham@thomashorstemeyer.com</p> <p>Thomas Horstemeyer, LLP 400 Interstate North Parkway Suite 1500 Atlanta, Georgia 30339 Tel: (770) 933-9500 Fax: (770) 951-0933</p>

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

Date: June 7, 2016

Robert J. Starr
Name: Robert J. Starr
Title: Senior Counsel for
ARRIS GROUP, INC.