



Date: 2017-01-19

AUTHORIZATION LETTER

To whom it may concern:

I hereby authorize Thomas Kelleher, Compliance Engineer of ARRIS Group Inc. to act on behalf of ARRIS Group, Inc. in all matters relating to the FCC application for equipment authorization in connection with FCC grantee code ACQ, including signing of all documents relating to these matters.

If you have any questions regarding this authorization, please don't hesitate to contact me.

Sincerely yours,

A handwritten signature in blue ink, appearing to read "Jorge Villarreal", written over a horizontal dashed line.

Jorge Villarreal
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