

**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF COLORADO**

Civil Action No. 1:17-cv-02097

REALTIME ADAPTIVE STREAMING, LLC

Plaintiff,

v.

SLING, TV L.L.C.,
SLING MEDIA, INC.,
SLING MEDIA, L.L.C.,
ECHOSTAR TECHNOLOGIES L.L.C
DISH NETWORK, L.L.C., AND ARRIS
GROUP, INC.

Defendants.

ENTRY OF APPEARANCE

To the clerk of court and all parties of record:

I hereby certify that I am a member in good standing of the bar of this court, and I appear in this case as counsel for:

EchoStar Technologies L.L.C.,

DISH Network, L.L.C., and

ARRIS Group, Inc.

DATED at Denver, Colorado this 7th day of December, 2017.

By: */s/ Adam R. Shartzter*
Adam R. Shartzter
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CERTIFICATE OF SERVICE

I hereby certify that on this 7th day of December, 2017 I electronically filed the foregoing with the Clerk of the Court using the CM/ECF system which will send notification of such filing to the following email addresses:

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I hereby certify that I have mailed or served the foregoing document or paper to the following non-CM/ECF participants in the manner (mail, hand-delivery, etc.) indicated by the non-participant's name:

s/ Adam R. Shartzter