



## CALM ACT CERTIFICATION

This is to certify that:

1. As required by Section 76.607 of Title 47 of the Code of Federal Regulations, all commercial advertisements inserted by Charter Communications Operating, LLC ("Spectrum Reach") on the systems of downstream third-party multichannel video programming distributors ("MVPDs") on which Spectrum Reach has the right to insert such commercial advertisements are in compliance with the loudness control practices contained in Advanced Television Systems Committee A/85: Recommended Practice: Techniques for Establishing and Maintaining Audio Loudness for Digital Television ("ATSC A/85 Recommended Practice") at the point of insertion by Spectrum Reach prior to the subsequent distribution to authorized reception equipment of such downstream MVPDs.
2. Compliance with the ATSC A/85 Recommended Practice is determined by Spectrum Reach through the use of equipment and associated software that is installed, utilized and maintained in a commercially reasonable manner.

Executed this 20 day of September, 2018.

**Charter Communications Operating, LLC**

By: Charter Communications, Inc., its Manager

By: Paul Conway  
[name] PAUL CONWAY  
[title] VP, TECHNICAL OPERATIONS