



October 31, 2017

Federal Communications Commission
445 12th Street SW
Washington, DC 20554

RE: FCC Grantee Code 2AFHL – Signature Authority

TO WHOM IT MAY CONCERN:

I, Douglas Fletcher, as the FCC Grantee Code Contact (2AFHL), of 3M Company, hereby authorize Yuriy Litvinov of 3M Company, St. Paul, Minnesota, United States, to sign documents related to the pertaining to the Federal Communications Commission filing.

Best Regards,

A handwritten signature in blue ink that reads "Douglas Fletcher".

Douglas Fletcher

Advance Specialist Product Development
3M Company
3M Center, Building 0251-01-C -09
St. Paul, MN 55144-1000
Phone: 651-736-0738
Email: ddfletcher@mmm.com