



September 23, 2014

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

RE: FCC Grantee Code M4Z – Signature Authority

TO WHOM IT MAY CONCERN:

I, Randal D. Roebuck, as the Grantee Code Contact (M4Z), of 3M Company, hereby authorize Yuriy Litvinov of 3M Company, to sign documents related to the pertaining to the Federal Communications Commission filing.

Best Regards,

A handwritten signature in dark ink, appearing to read "Randal D. Roebuck", with a long, sweeping horizontal line extending to the right.

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