

Special Power of Attorney

To whom it may concern:

I, Motoo Hayashi of Murata Manufacturing Co., Ltd. hereby appoint Akira Sasaki of Murata Manufacturing Co., Ltd. to represent me to act on my behalf to do any and all of the following:

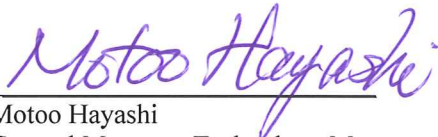
Sign the following documents on my behalf and apply to FCC for the products

- Letter of agency and anti-drug
- Confidentiality cover letters
- Any other application document that requires a signature by grantee.

The rights, powers and authority in fact to exercise any and all of the rights and powers herein granted shall commence and be in full force and effective for one year from September 23, 2016 unless specifically extended or terminated by either party.

Date: September 23, 2016

Place: Japan



Motoo Hayashi

General Manager, Technology Management Dept, Technology & Business Development Unit
Murata Manufacturing Co., Ltd.