

# Supporting Information for “Implications of Multiple Corona Bursts in Lightning Processes for Radio Frequency Interferometer Observations”

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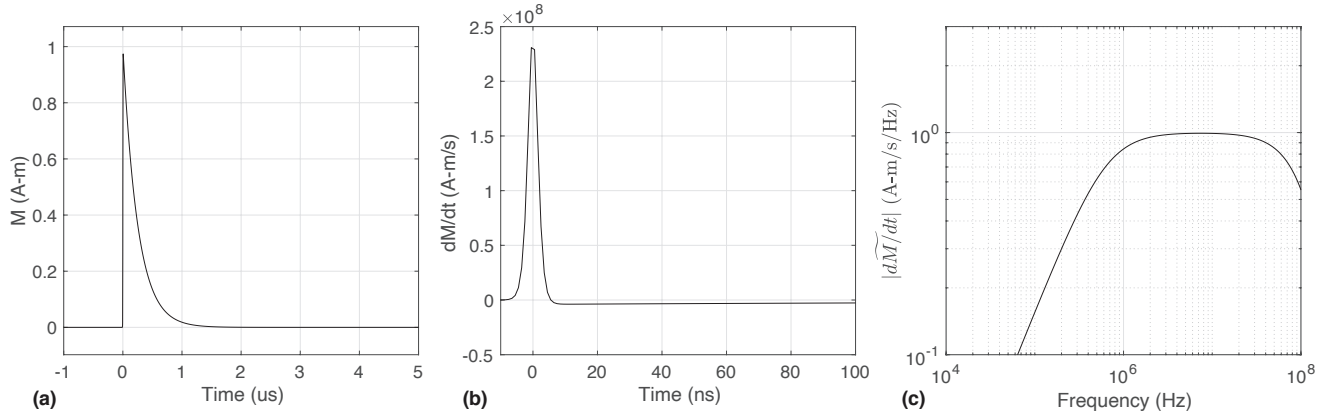
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**Figure S1.** (a) The current moment pulse of a streamer. (b) The time derivative of the streamer current moment. (c) The frequency spectrum of the streamer current moment time derivative. The streamer current moment pulse is a double exponential function with a rise time of 1 ns, a fall time of 250 ns, and a peak of  $\simeq 1$  A-m. As the radiated field is proportional to the  $dM/dt$ , each streamer produces a narrow field pulse of  $\simeq 4$  ns followed by a weak and relatively long tail. The frequency spectrum of  $dM/dt$  shows the radiation is peaked in the HF and VHF bands.