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Date: June 30, 2020
To: Kate Gregory, Chief Operating Officer
From: Amber Kenney
Re: FESHM 4320 – Radio Frequency Hazards

This chapter has been updated as detailed below and sent for lab wide review:

FESHM 4320 – Radio Frequency Hazards

- Initial release
- Radiofrequency (RF) radiation is electromagnetic radiation (EMR) at the frequency range of 30 kilohertz (kHz) to 300 GHz. This includes microwave radiation (300 MHz – 300 GHz), which is a region of the RF spectrum. At certain power-density levels RF radiation can be hazardous. The hazards are associated with the heating of biological tissue, which occurs when EM radiation is absorbed by the body.

All comments received during the review period have been addressed by Subject Matter Experts and the updated chapter is ready for approval and release.

The chapter has been sent to you and Lisa Vega electronically. If a paper copy is required, you may either print one out or contact Lisa and she will provide one to you. After Directorate approval, please return this approval page to Kristy Gibson at MS119 for posting.

Recommended for Approval:

Katherine L. Gregory, Chief Operating Officer Date

Approved:

Nigel S. Lockyer, Director of Fermilab Date