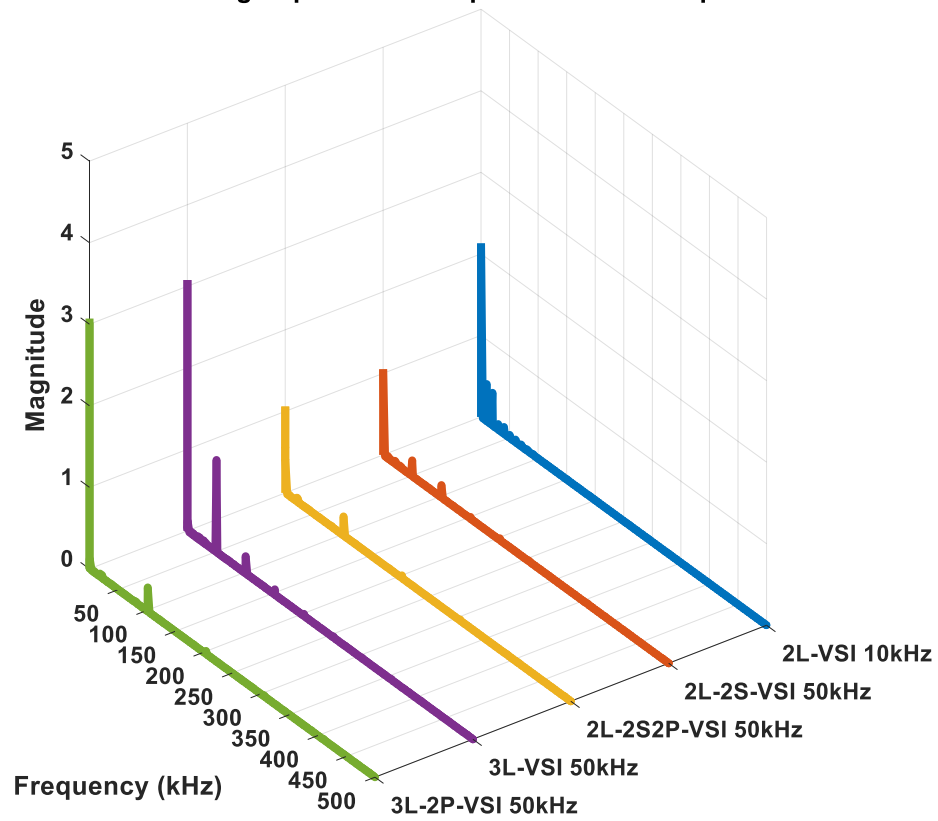Switching Frequency vs. Capacitance

DCLINK Current Spectrum

DCLINK Voltage Spectrum Except for the DC Component

Magnitude

Frequency (kHz)

50 100 150 200 250 300 350 400 450 500

2L-VSI 10kHz
2L-2S-VSI 50kHz
2L-2S2P-VSI 50kHz
3L-VSI 50kHz
3L-2P-VSI 50kHz

Vab Spectrum

Magnitude

Frequency (kHz)

50 100 150 200 250 300 350 400 450 500

2L-VSI 10kHz
2L-2S-VSI 50kHz
2L-2S2P-VSI 50kHz
3L-VSI 50kHz
3L-2P-VSI 50kHz

Ia Spectrum

Magnitude

Frequency (kHz)

2L-VSI 10kHz
2L-2S-VSI 50kHz
2L-2S2P-VSI 50kHz
3L-VSI 50kHz
3L-2P-VSI 50kHz

Switching Frequency vs. Line Current THD

Switching Frequency vs. Ripple Percent