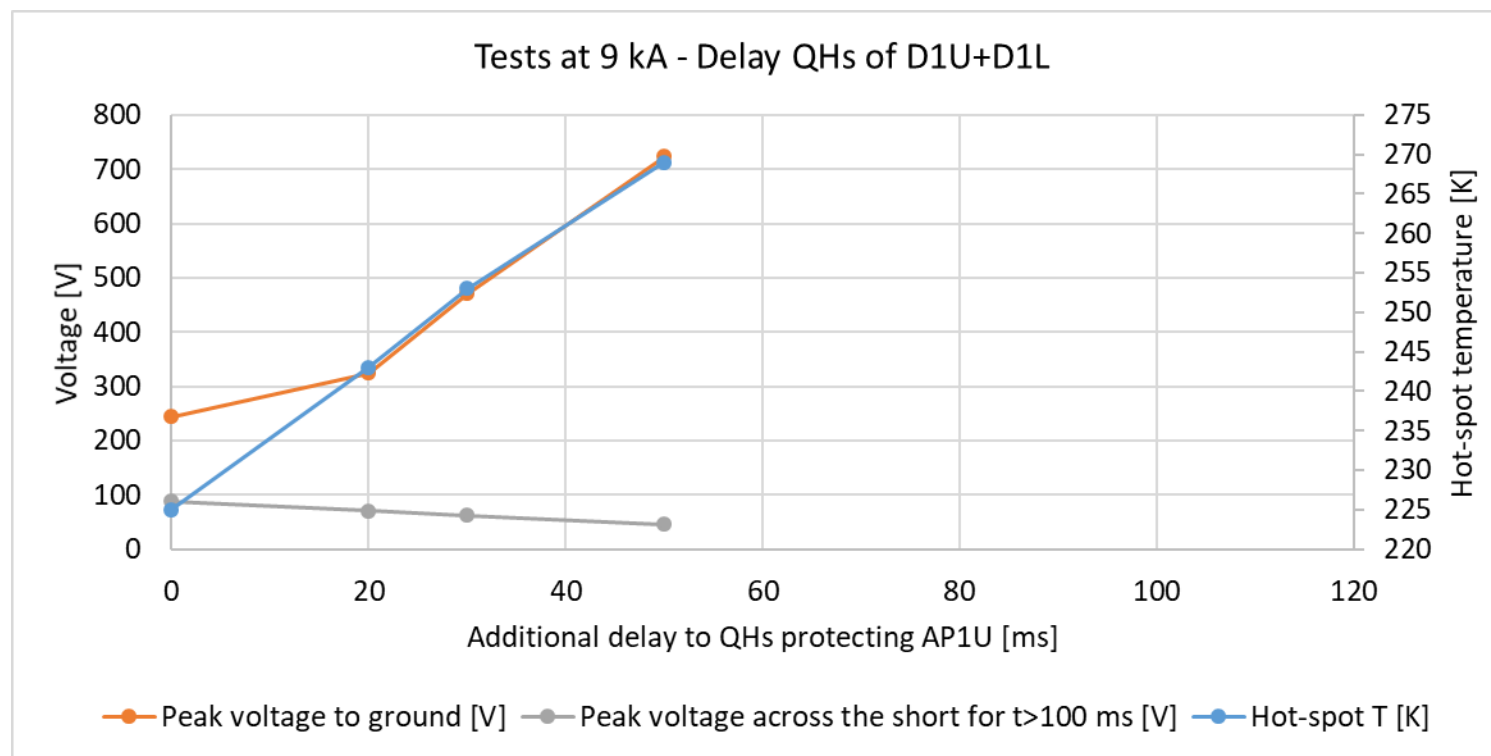


Proposed test – 9 kA, delayed D1U-QHs and D1L-QHs – Summary

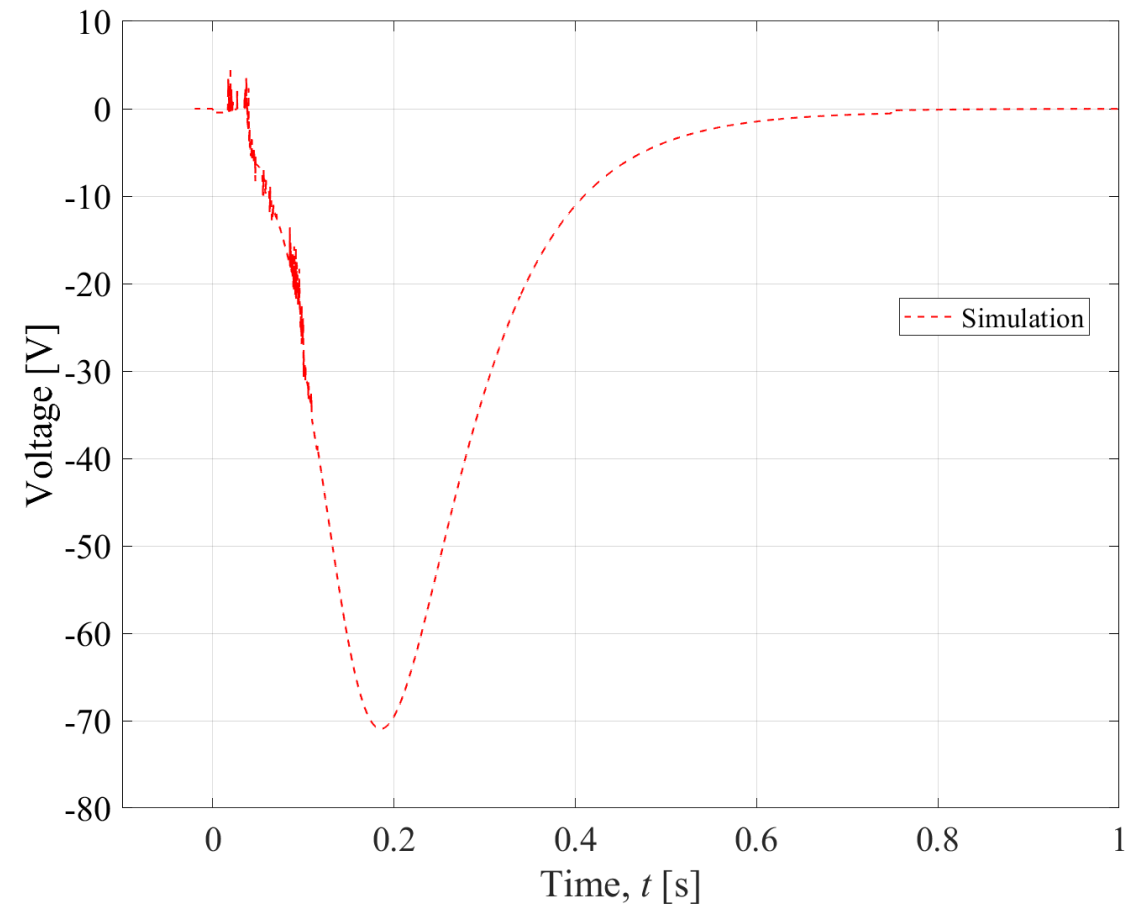
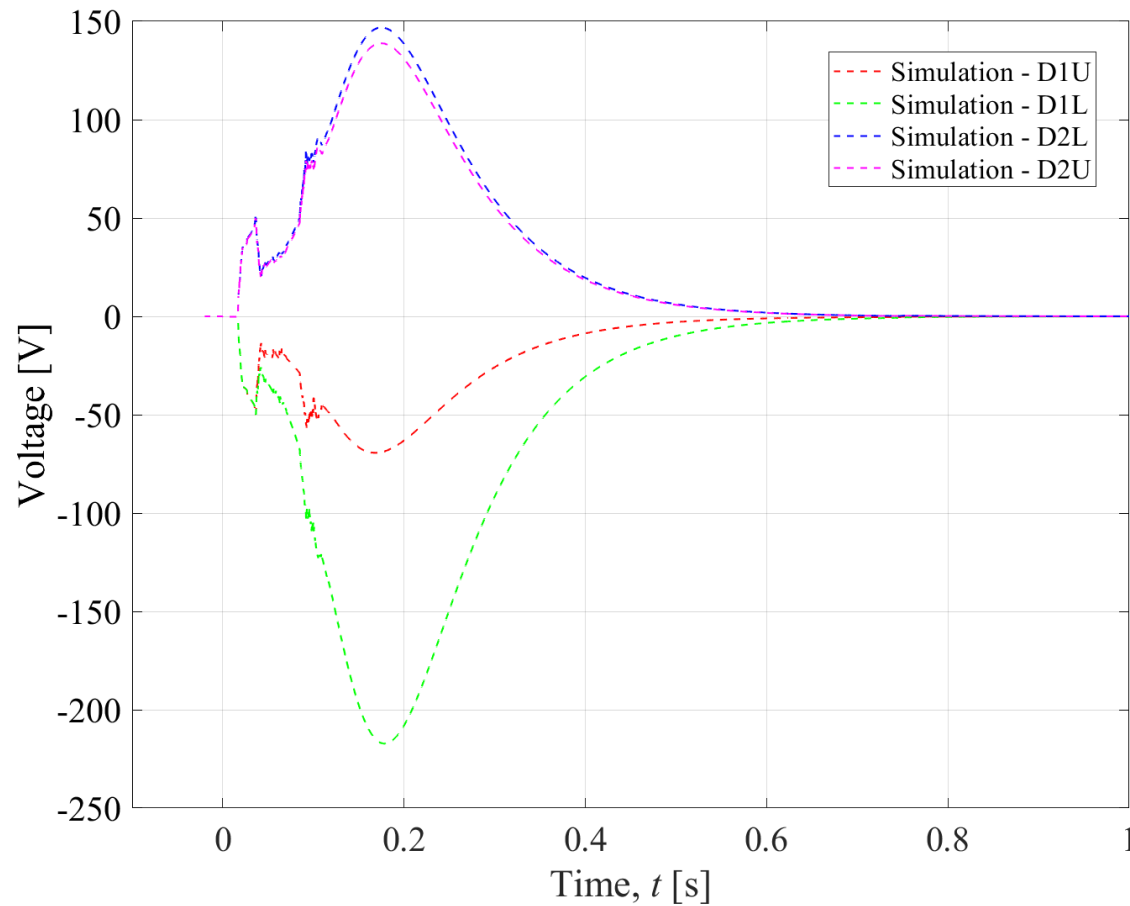
| Initial current: 9 kA - Delay QHs of D1U+D1L | | | | | |
|--|---------------------------|---------------------------|----------------|----------------------------|--|
| Case | Delay QHs of D1U+D1L [ms] | Delay QHs of D2U+D2L [ms] | Hot-spot T [K] | Peak voltage to ground [V] | Peak voltage across the short for t>100 ms [V] |
| Reference | 0 | 0 | 225 | 244 | 88 |
| 1 | 20 | 0 | 243 | 324 | 71 |
| 2 | 30 | 0 | 253 | 471 | 62 |
| 3 | 50 | 0 | 269 | 723 | 46 |



Proposed test – 9 kA, D1U-QHs and D1L-QHs delayed by 20 ms

Hot-spot temperature: 243 K

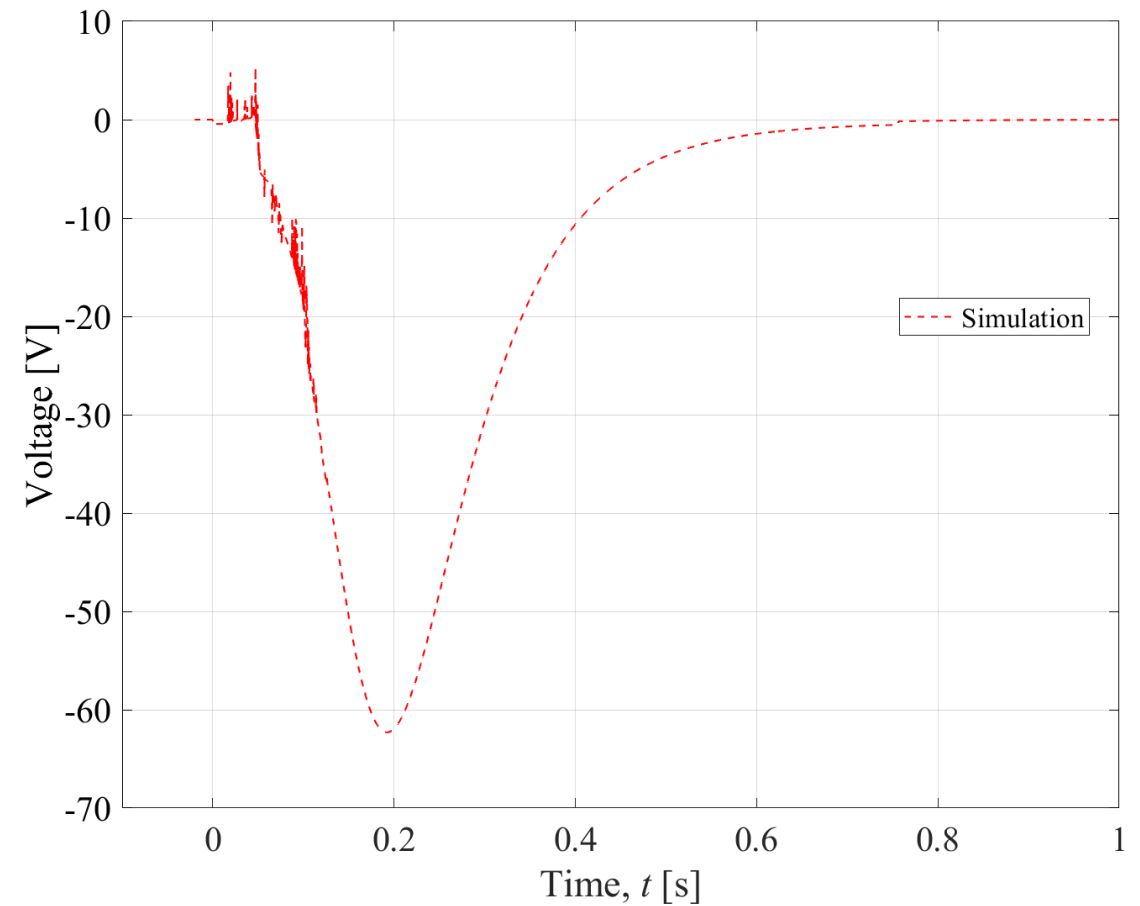
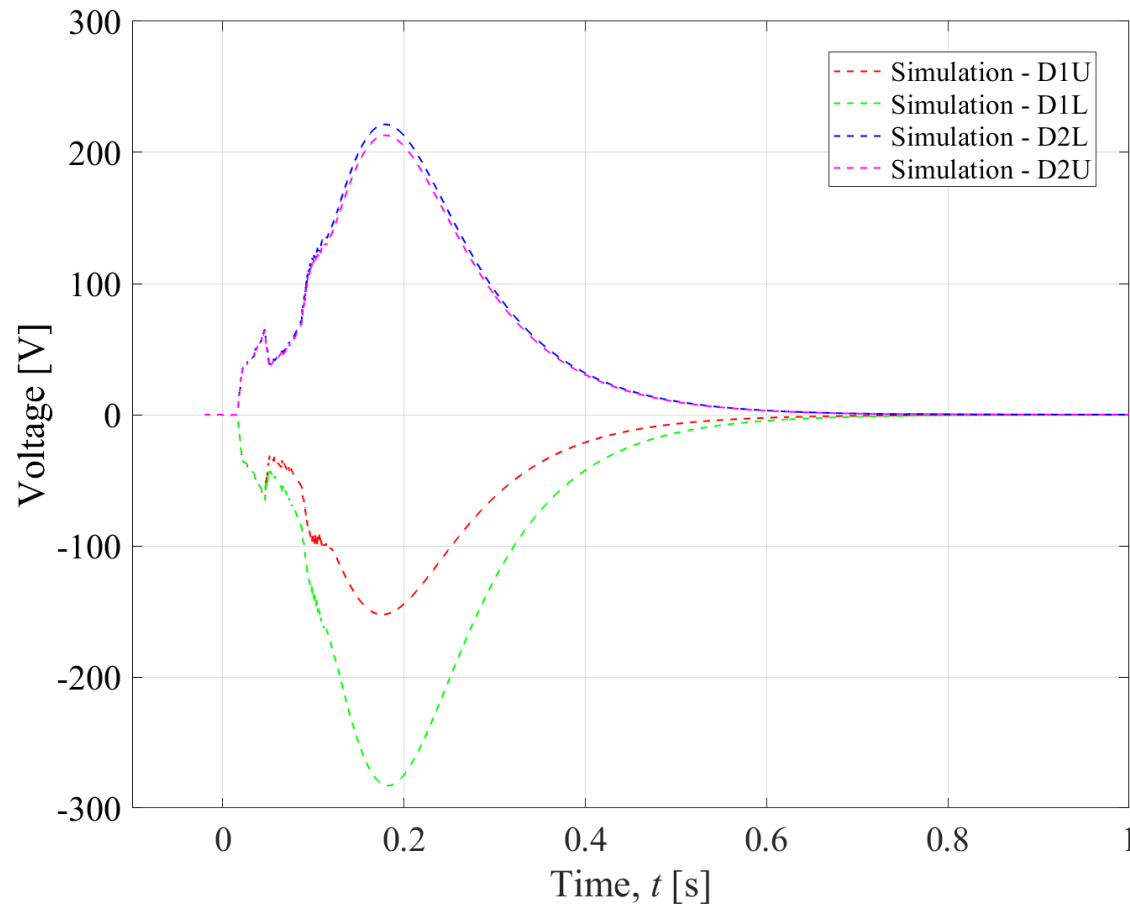
Peak voltage to ground: 324 V



Proposed test – 9 kA, D1U-QHs and D1L-QHs delayed by 30 ms

Hot-spot temperature: 253 K

Peak voltage to ground: 471 V



Proposed test – 9 kA, D1U-QHs and D1L-QHs delayed by 50 ms

Hot-spot temperature: 269 K

Peak voltage to ground: 723 V

