



CENTRAL EAST STABILITY LIMIT ANALYSIS FOR ALL LINES IN SERVICE AND OUTAGE CONDITIONS (CE-23) APPENDICES

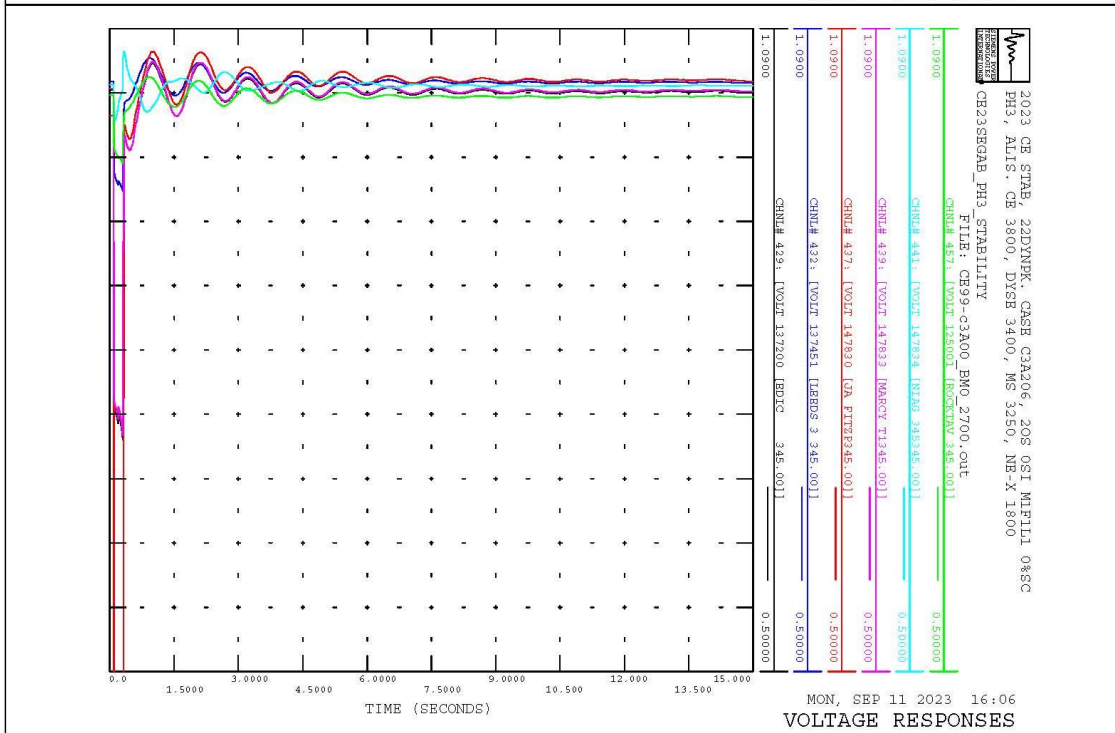
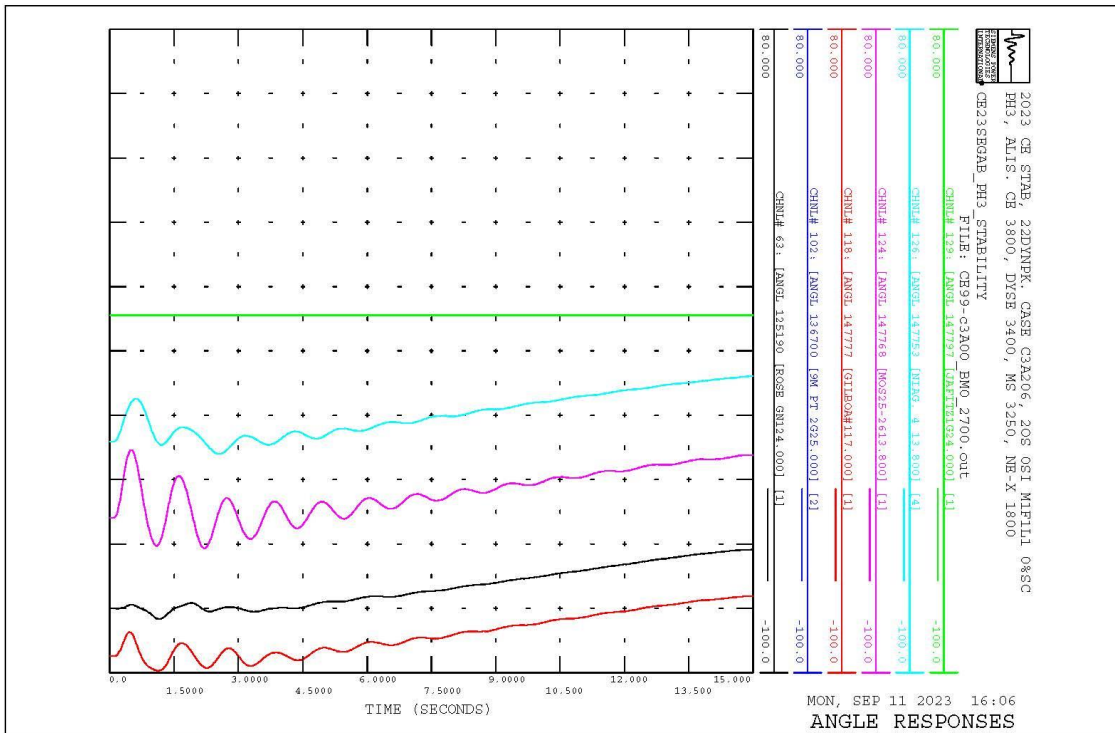
A Report by the
New York Independent System Operator

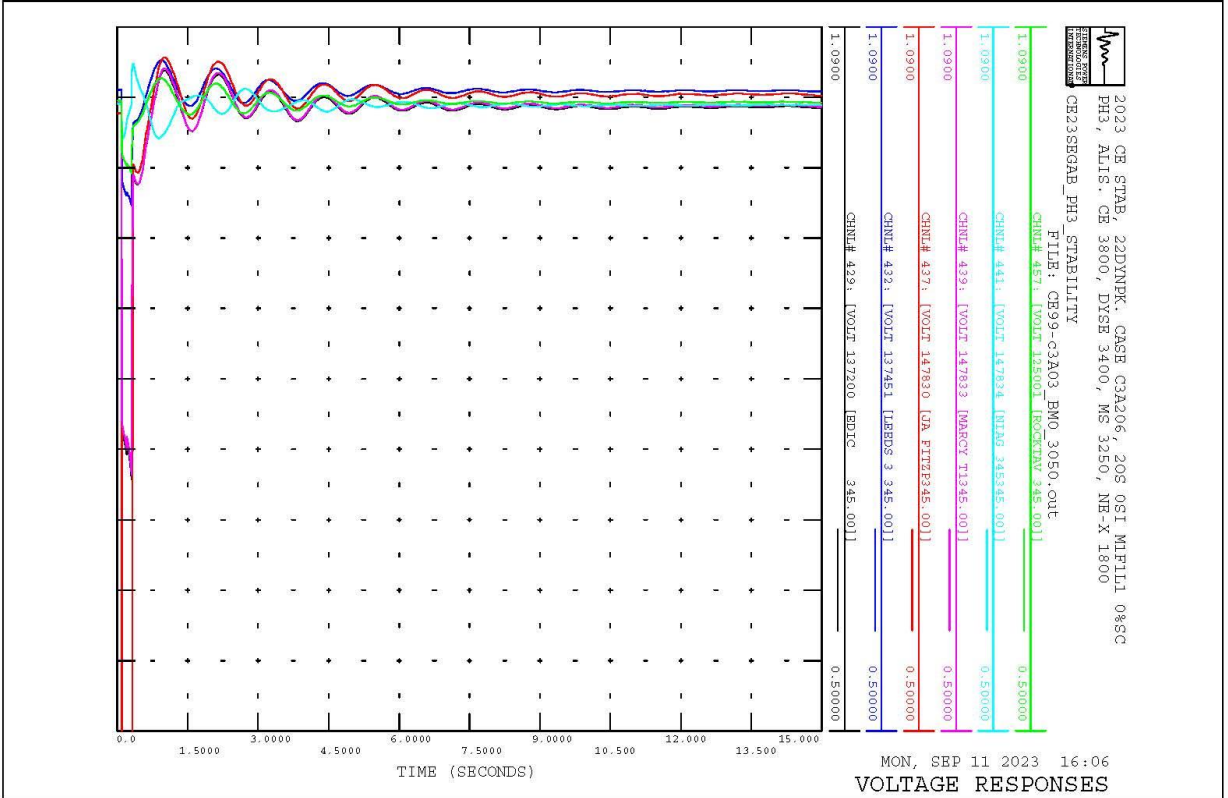
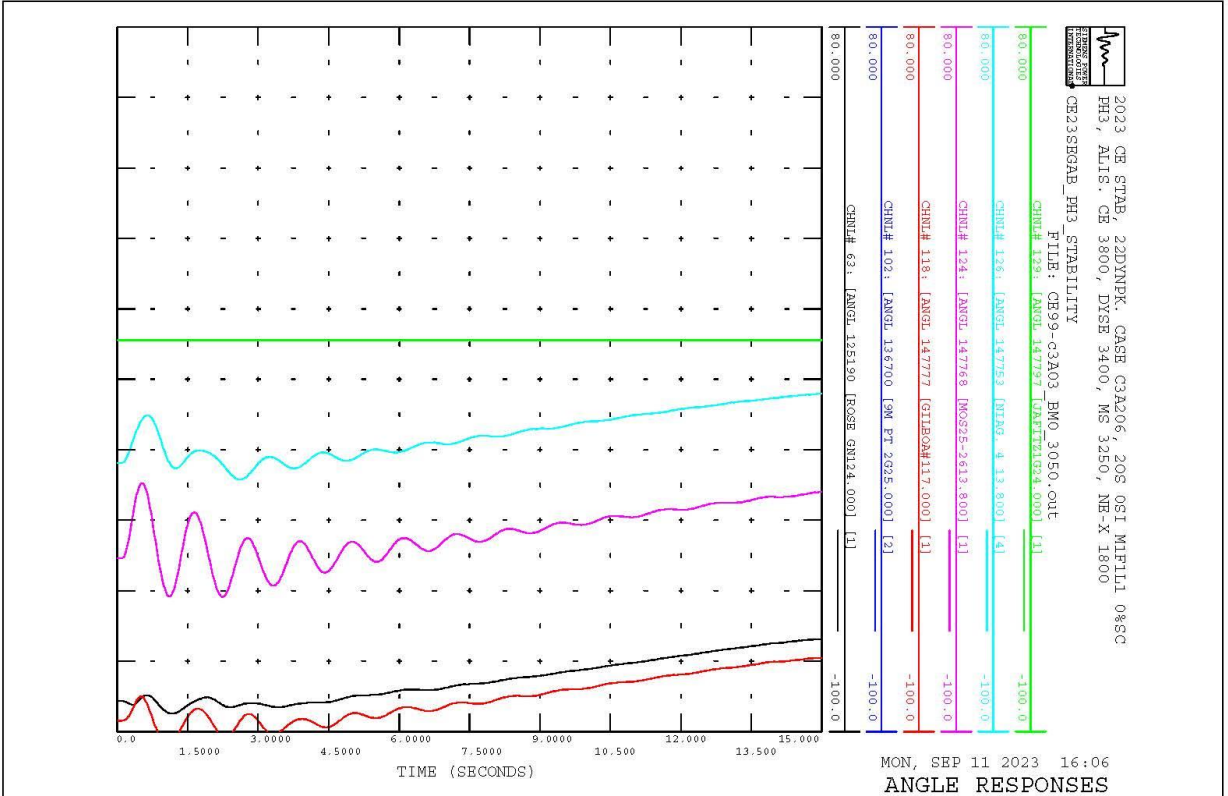
September 2023

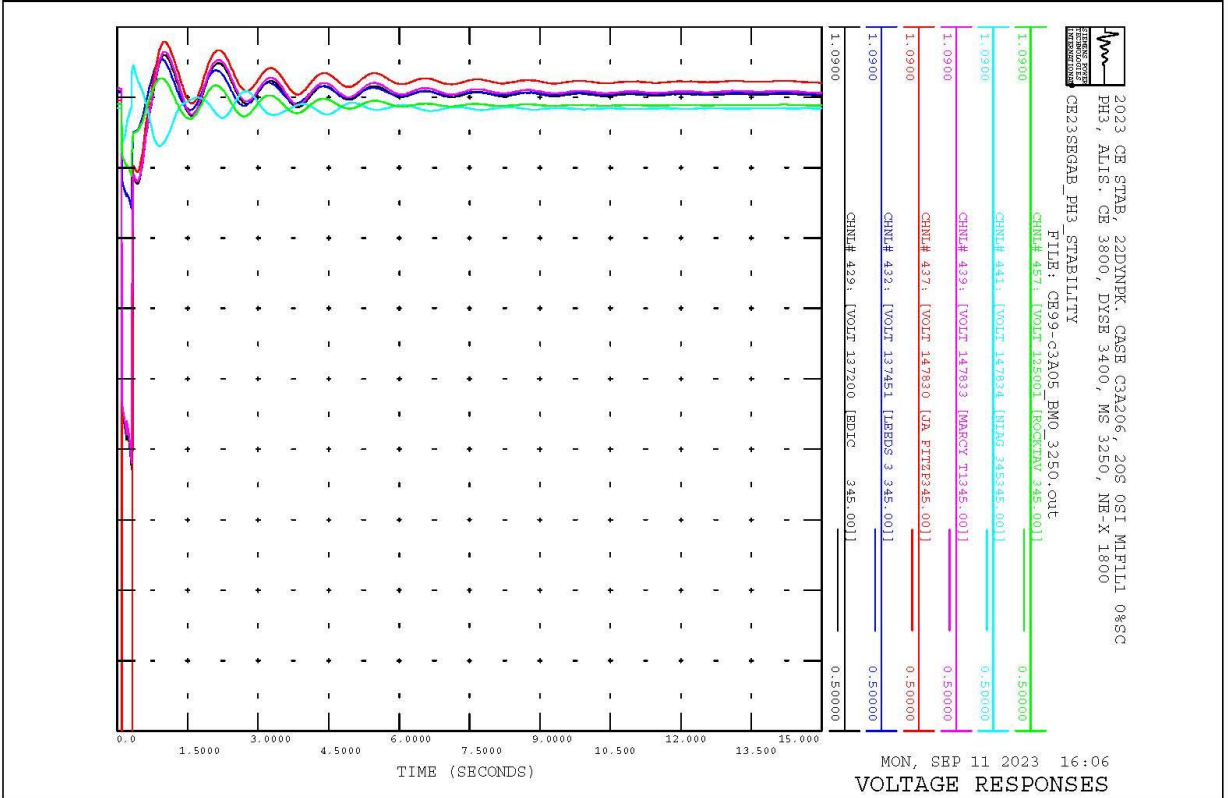
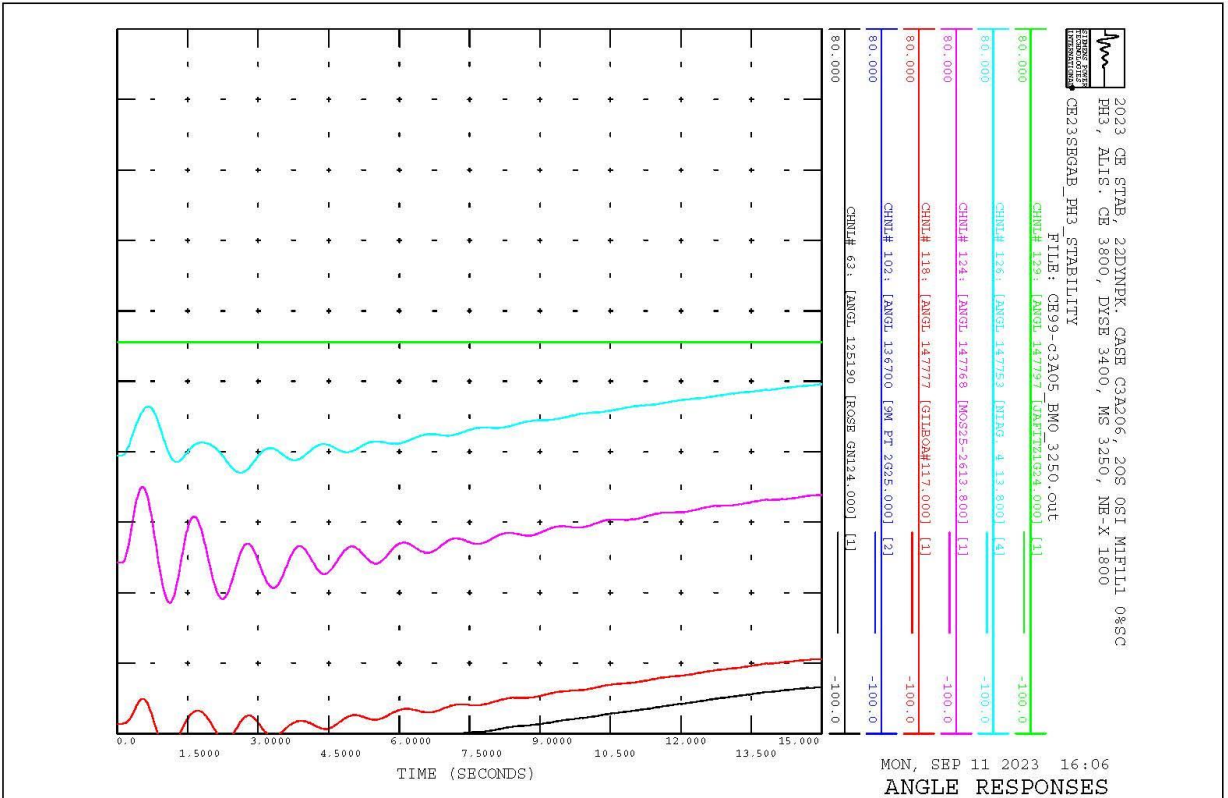
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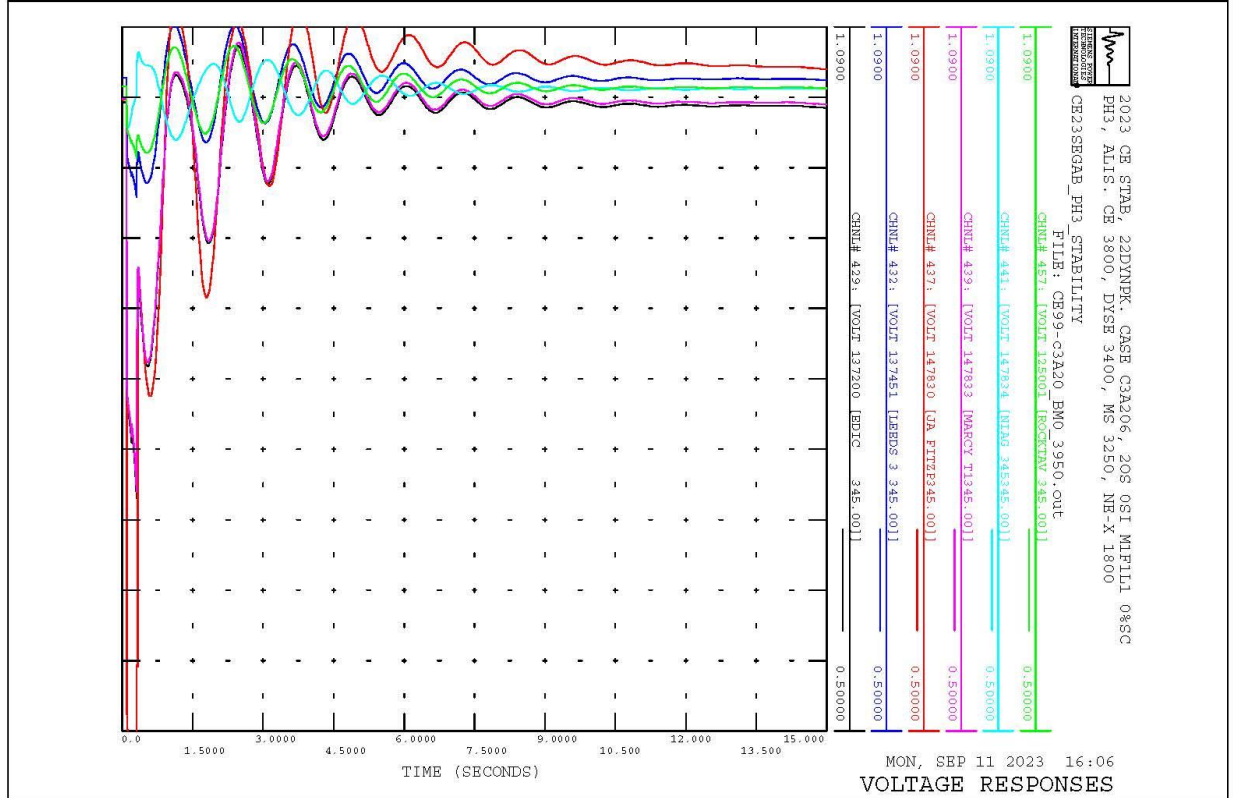
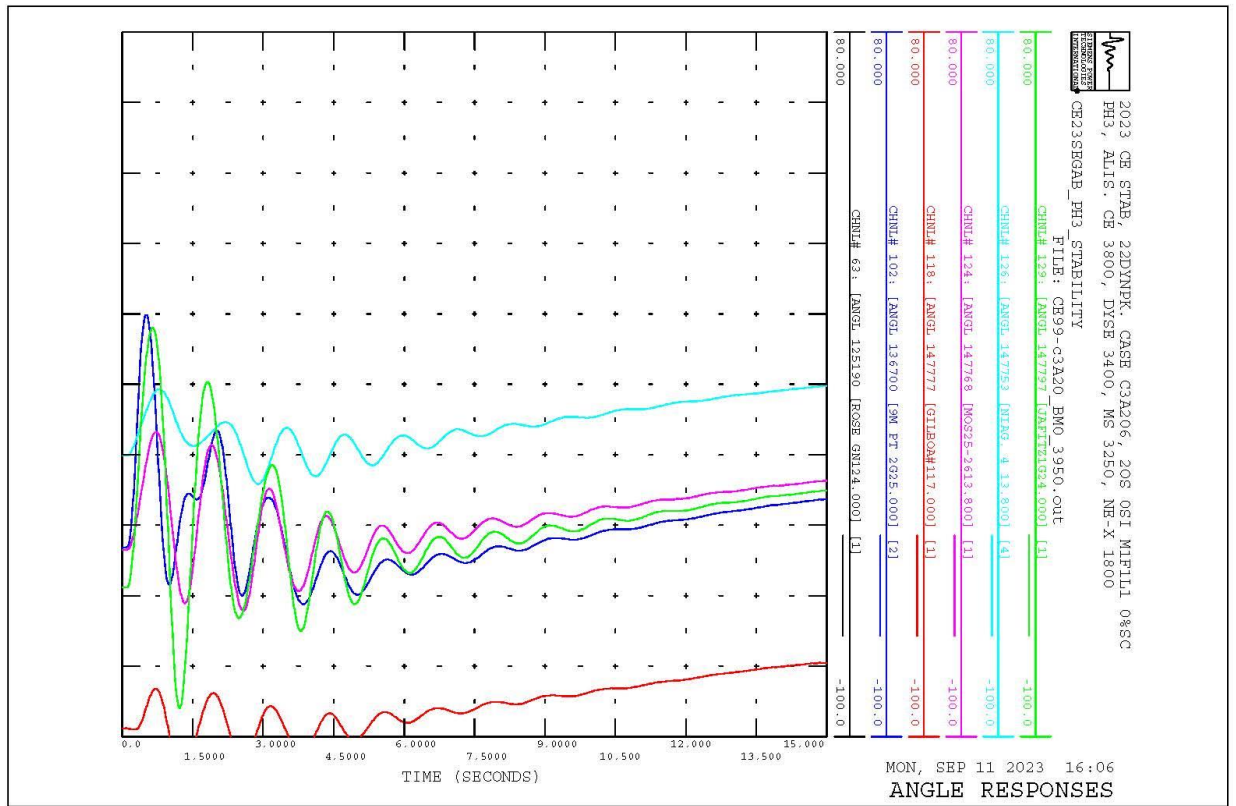
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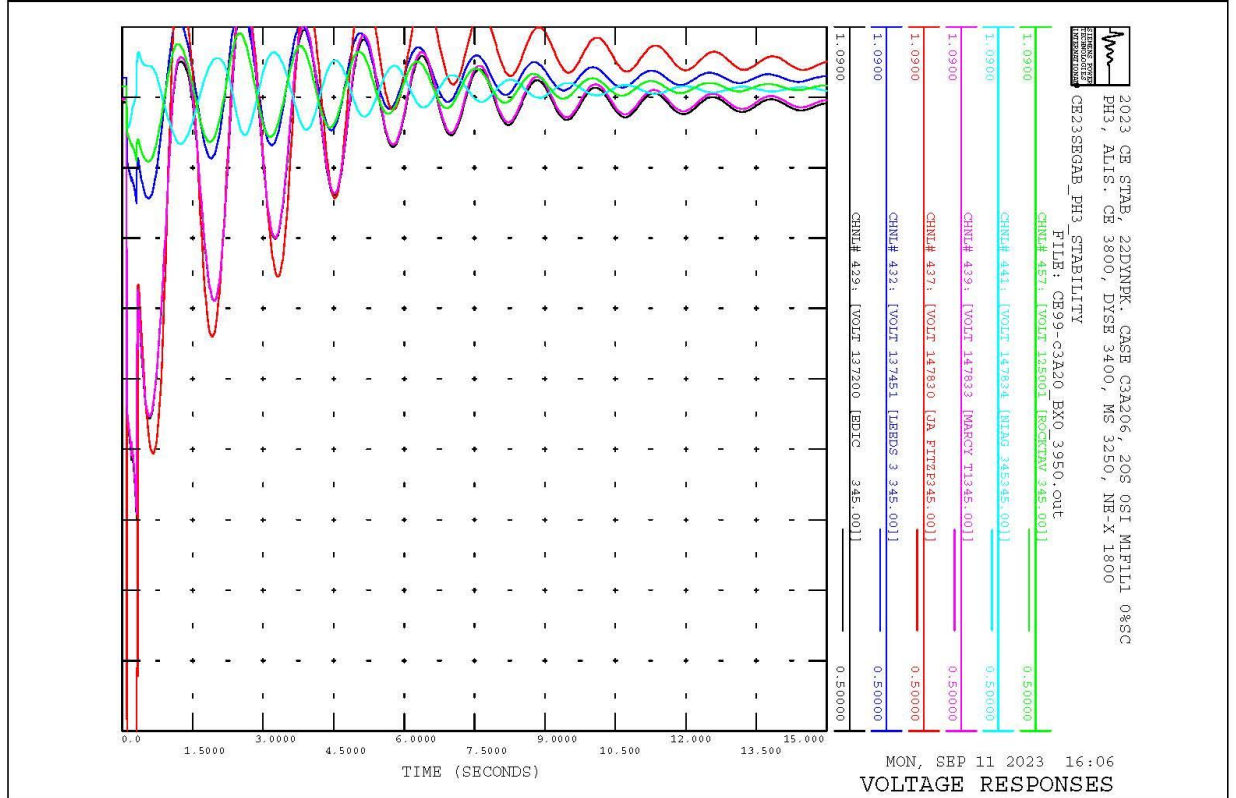
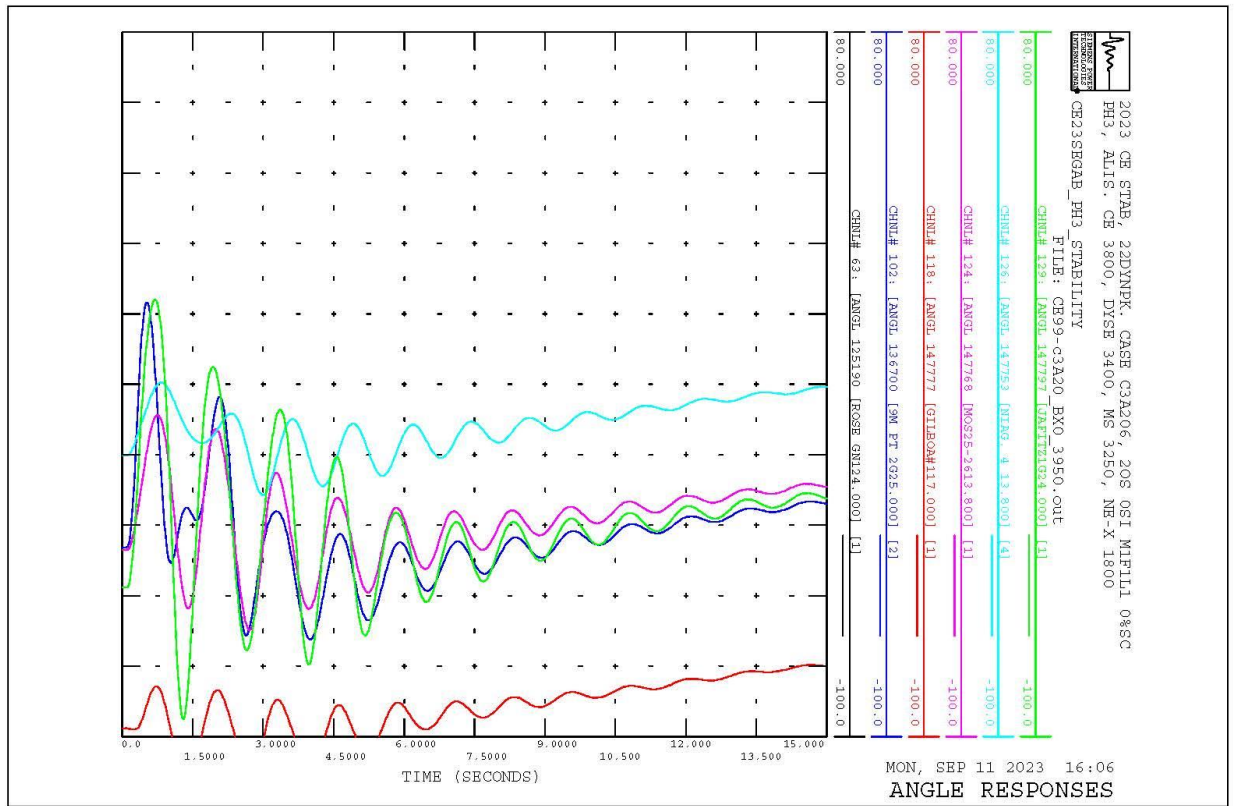
Appendix A: All Lines in Service

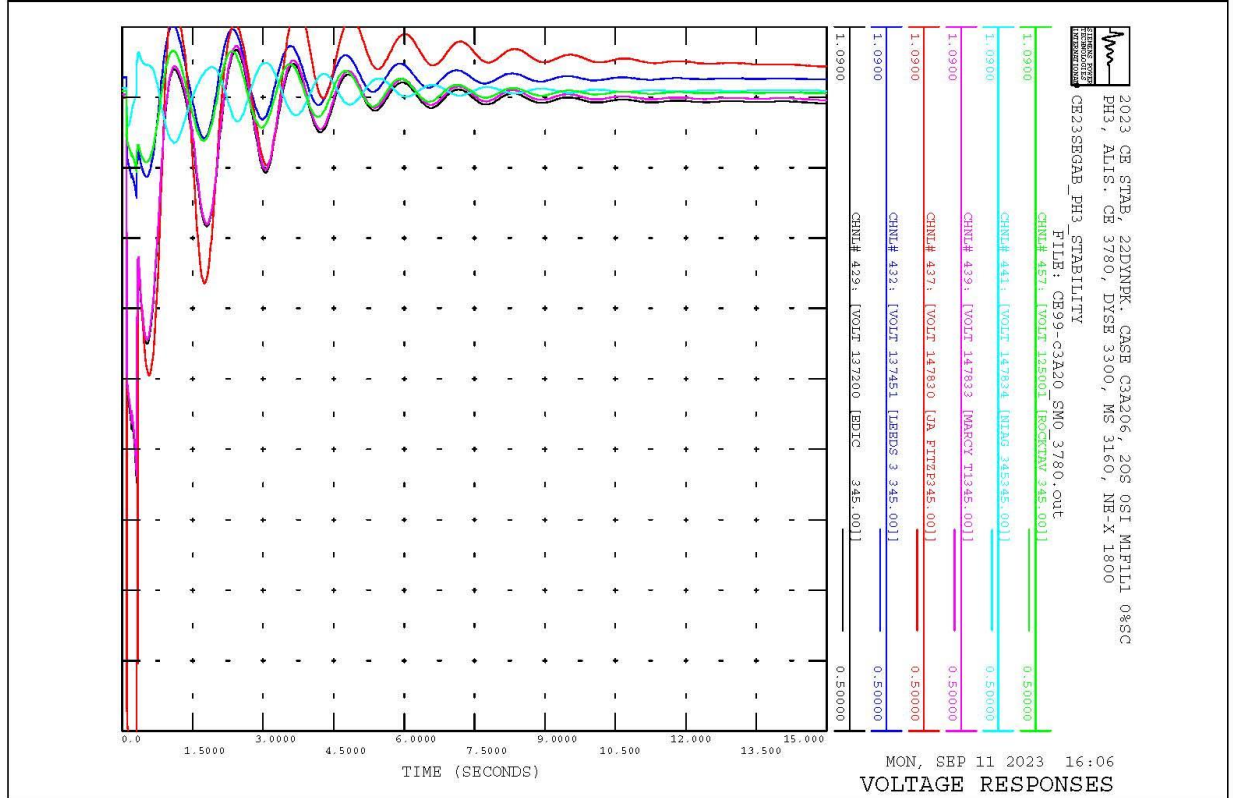
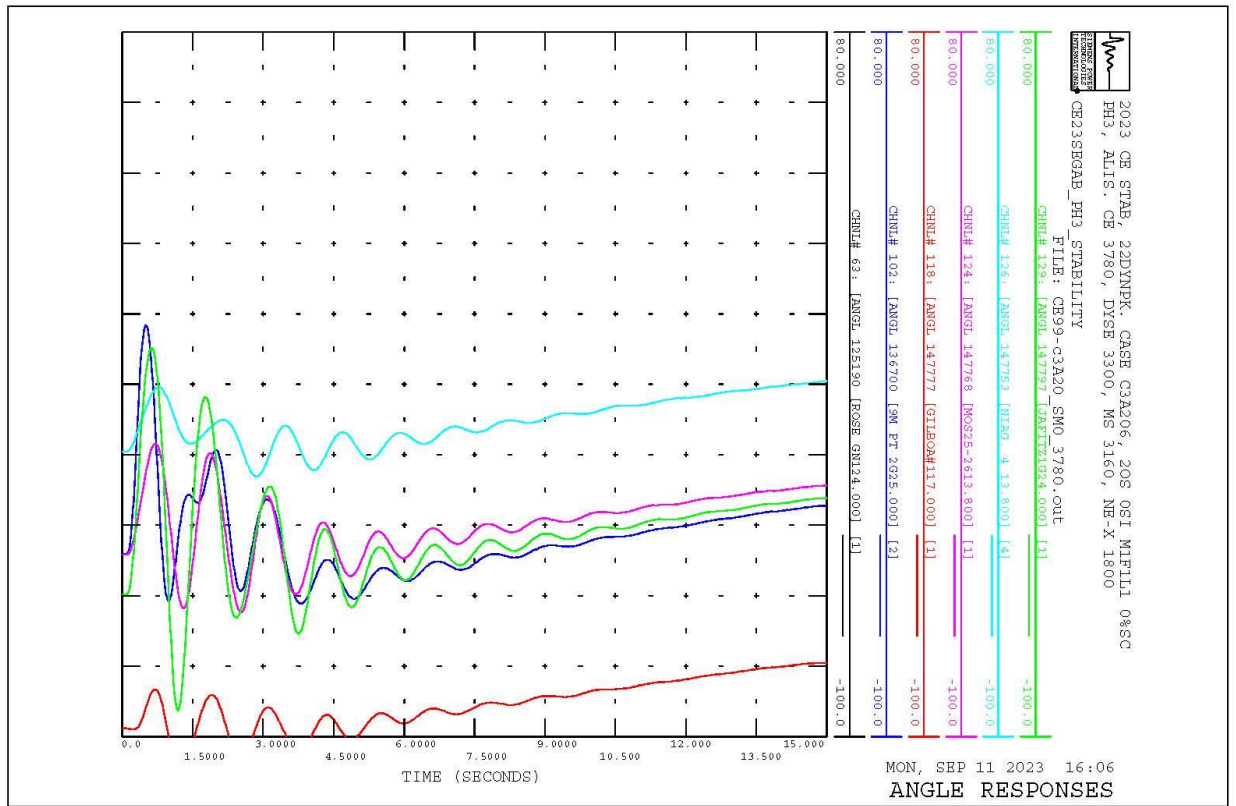


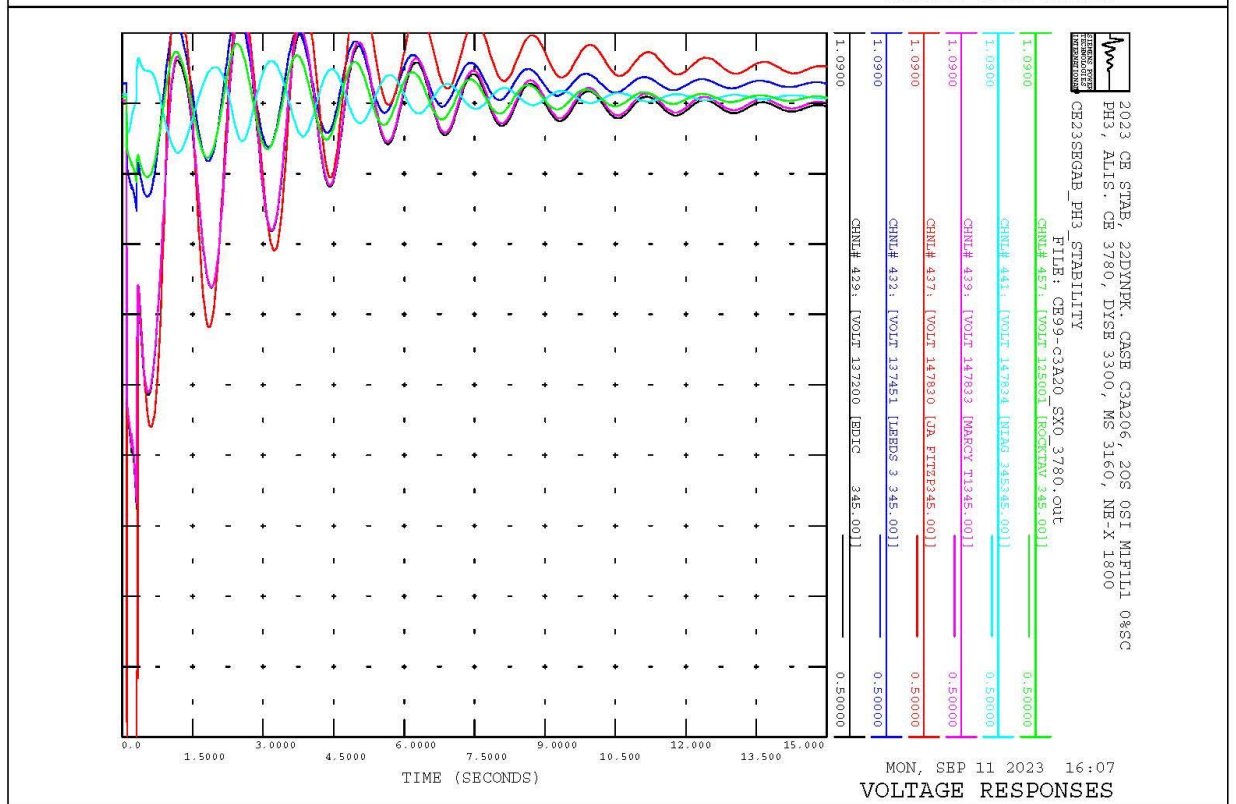
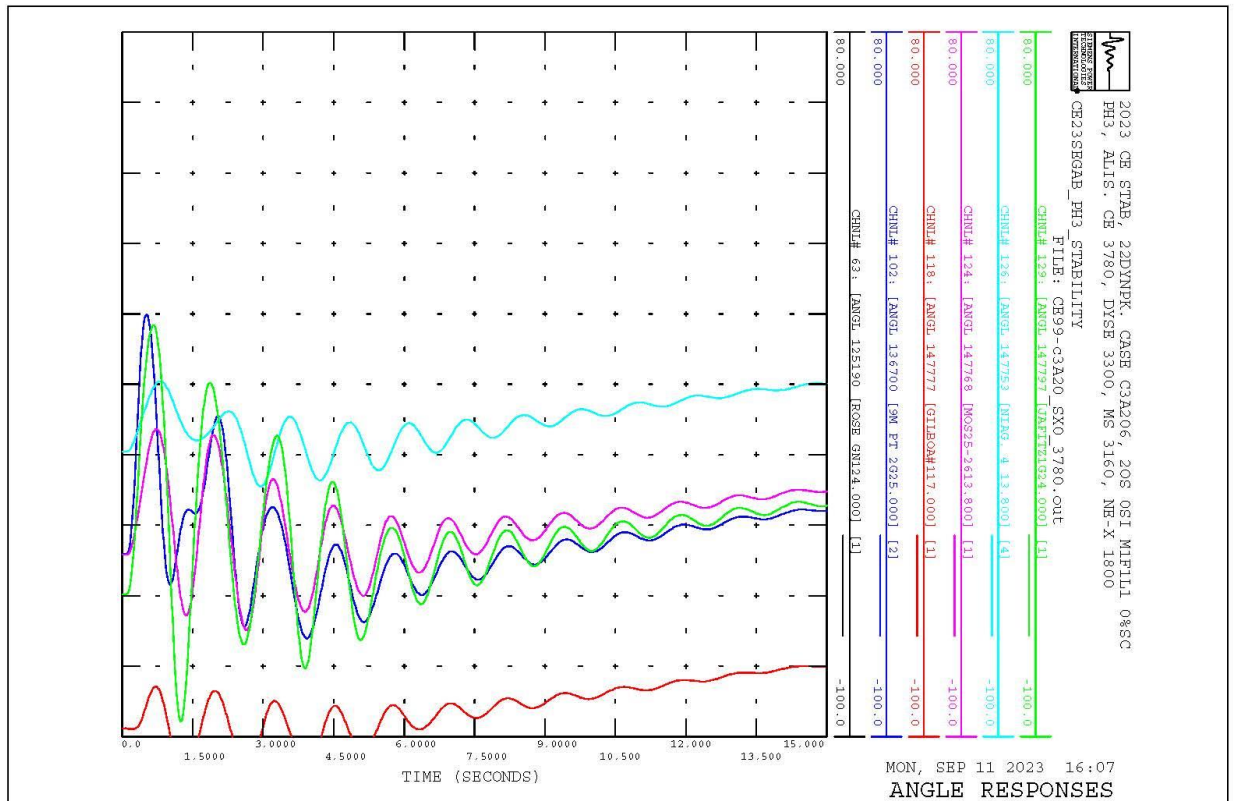


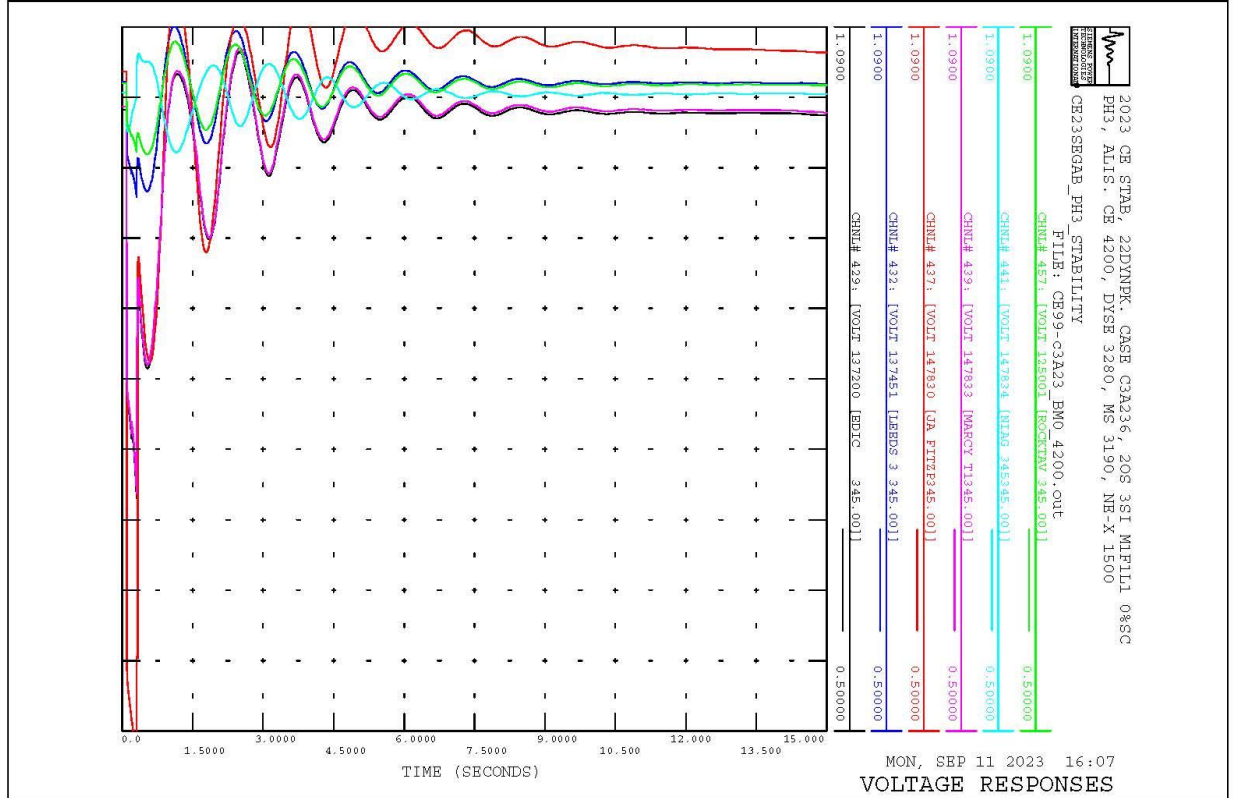
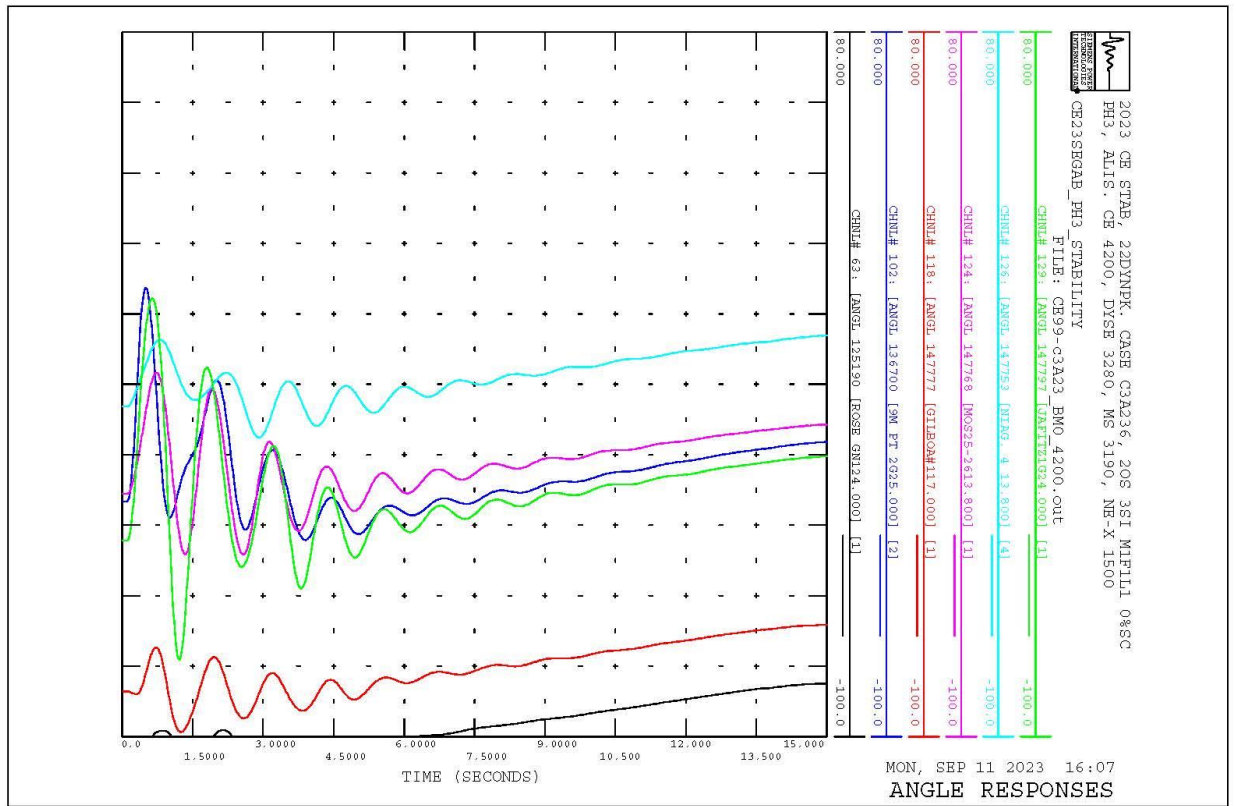


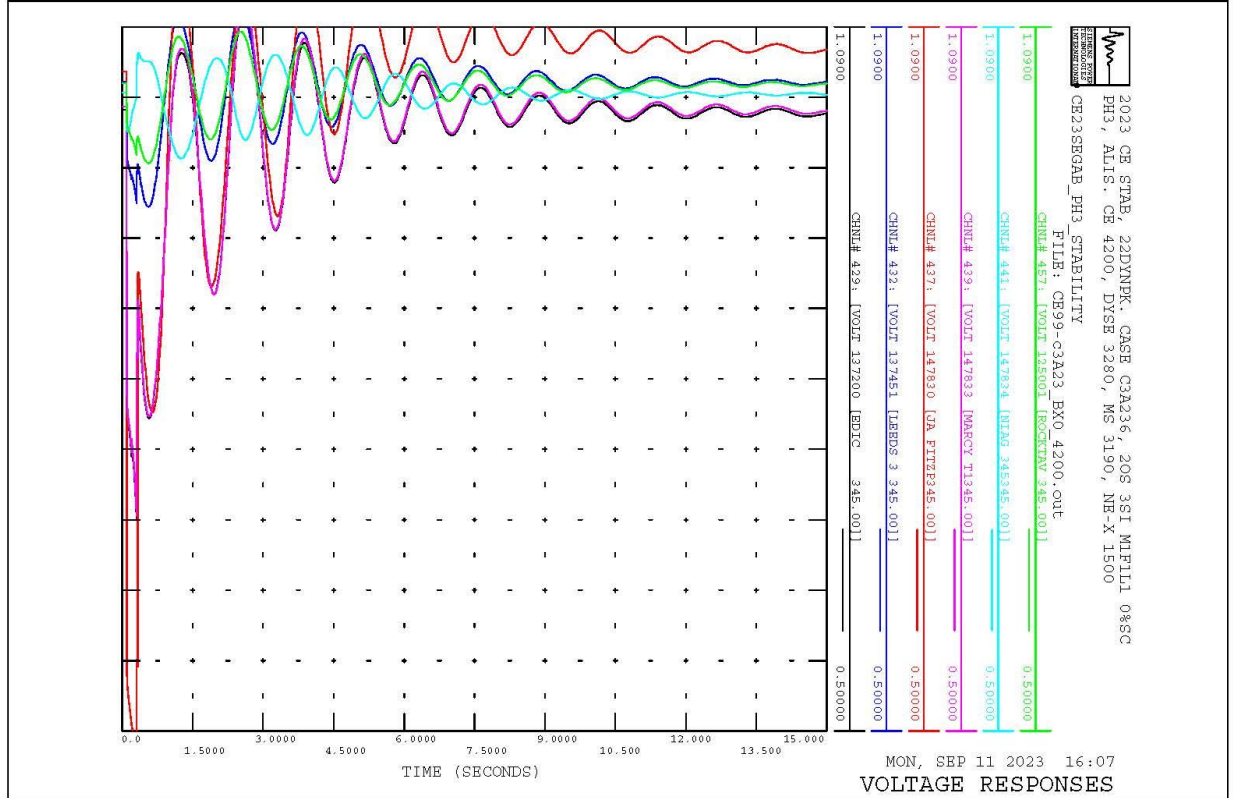
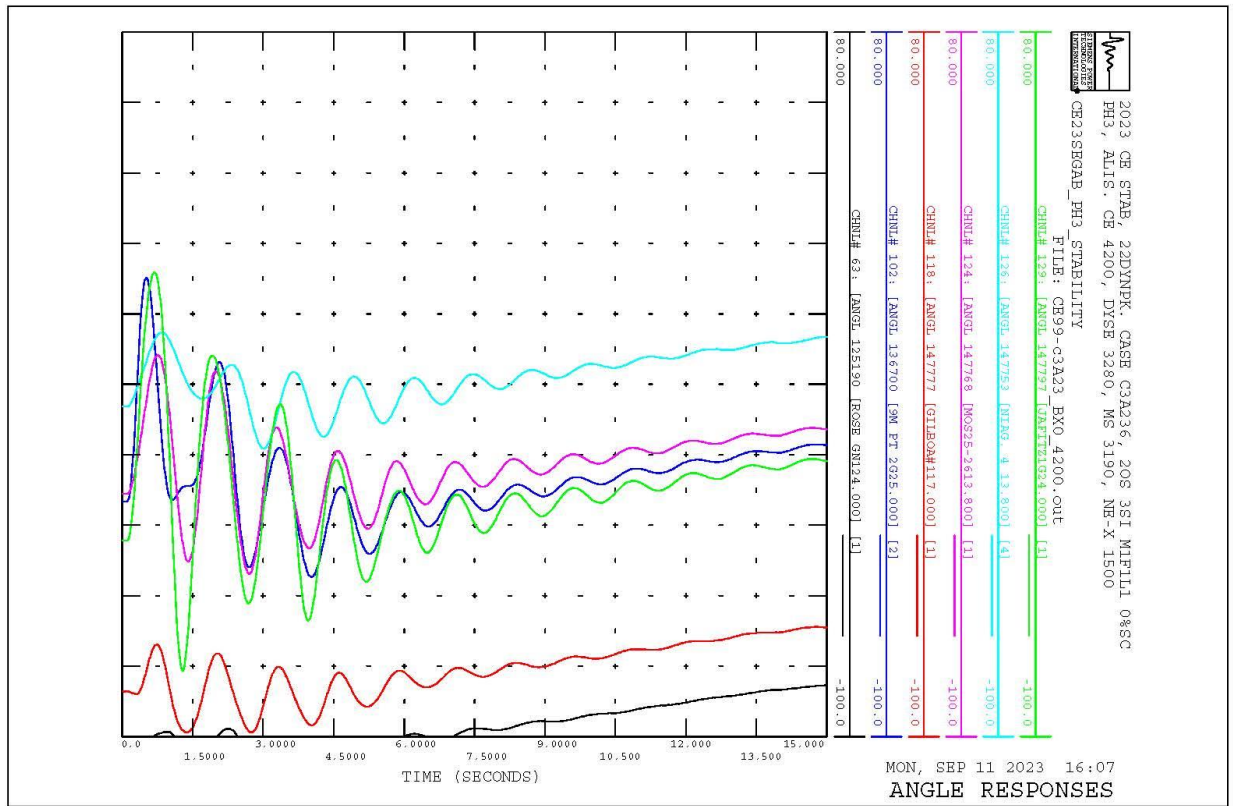


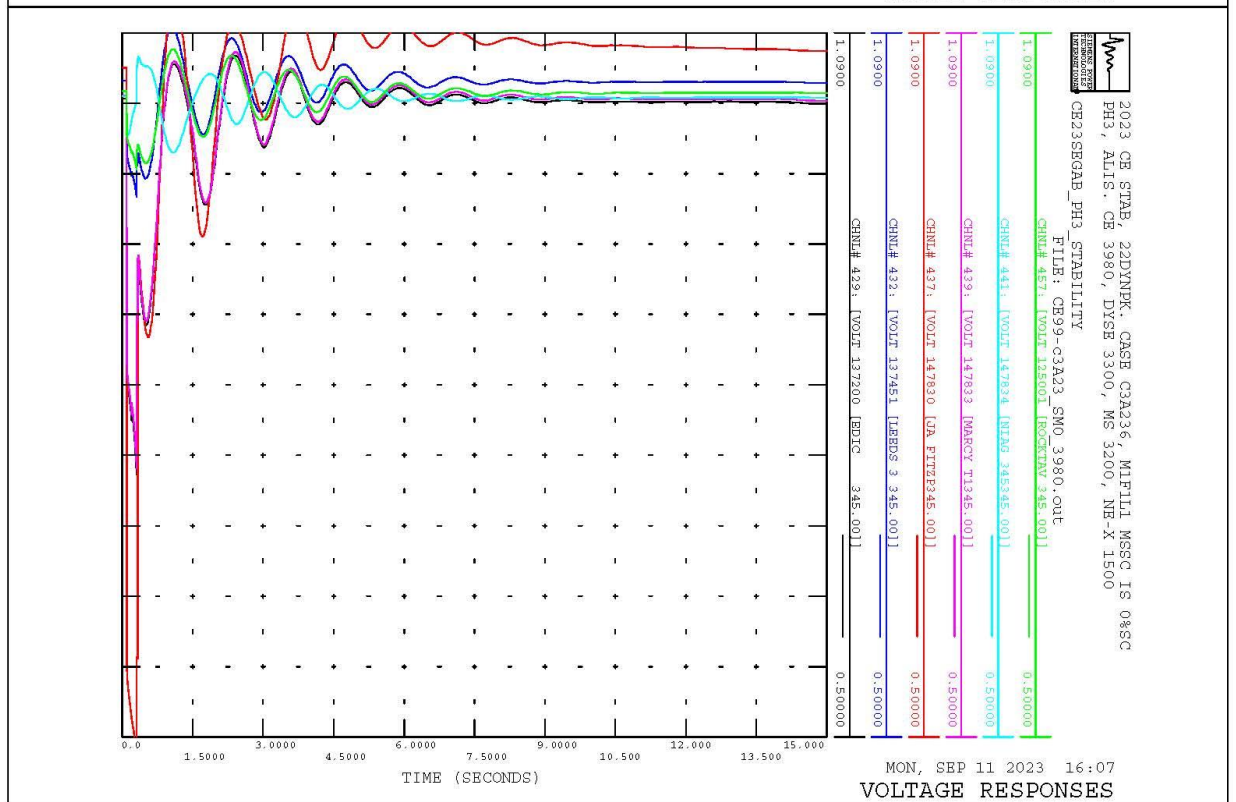
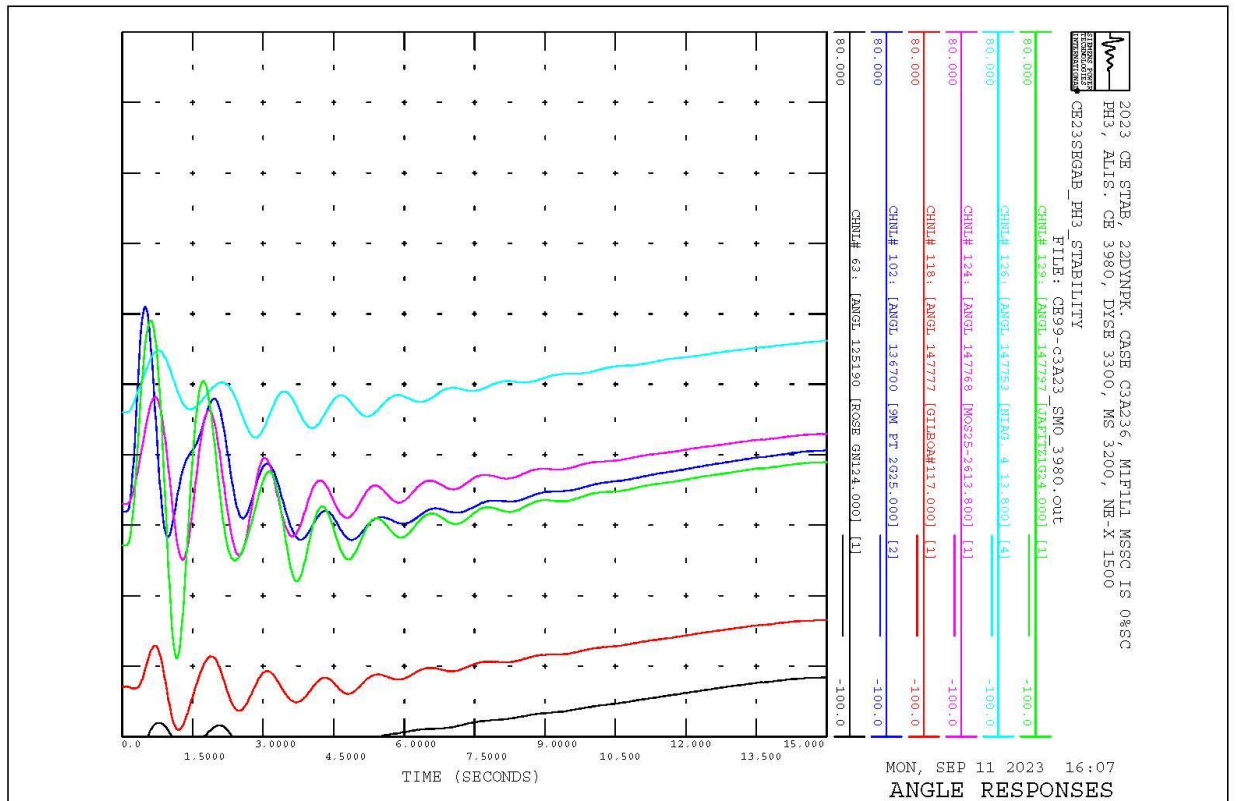


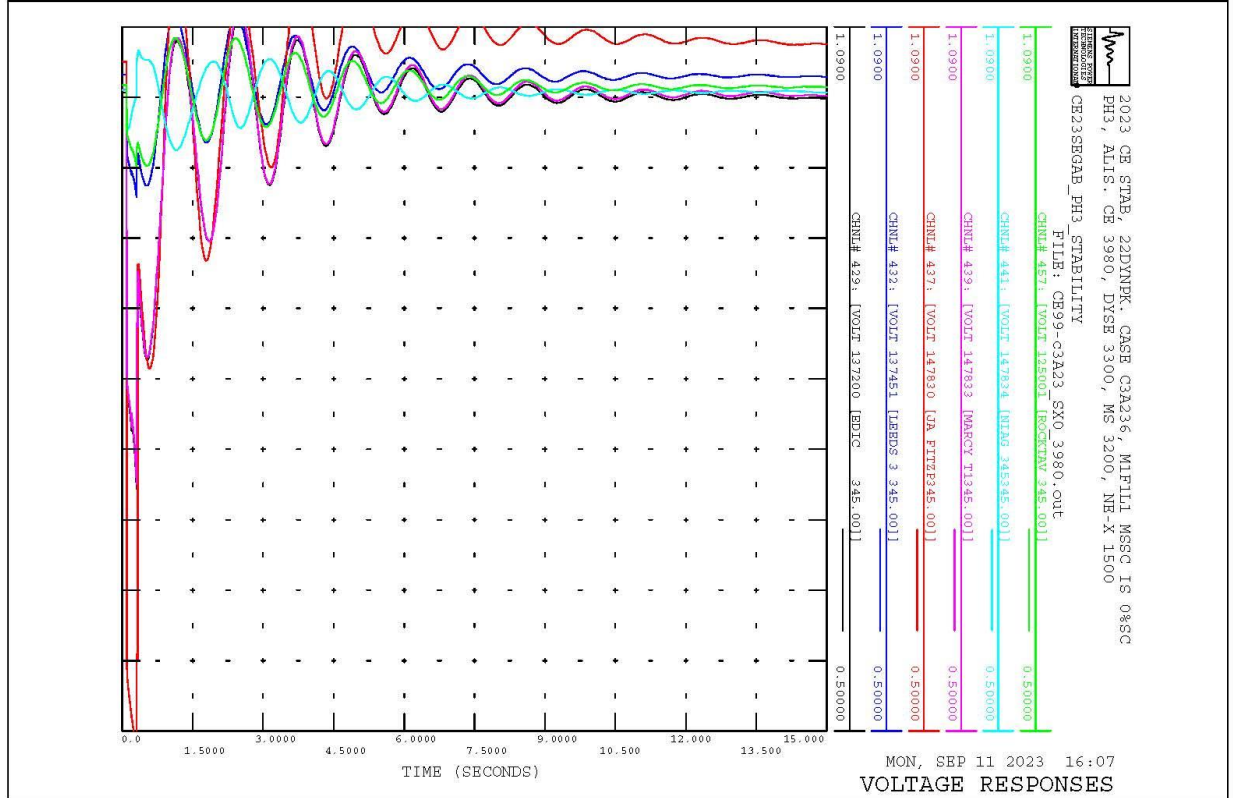
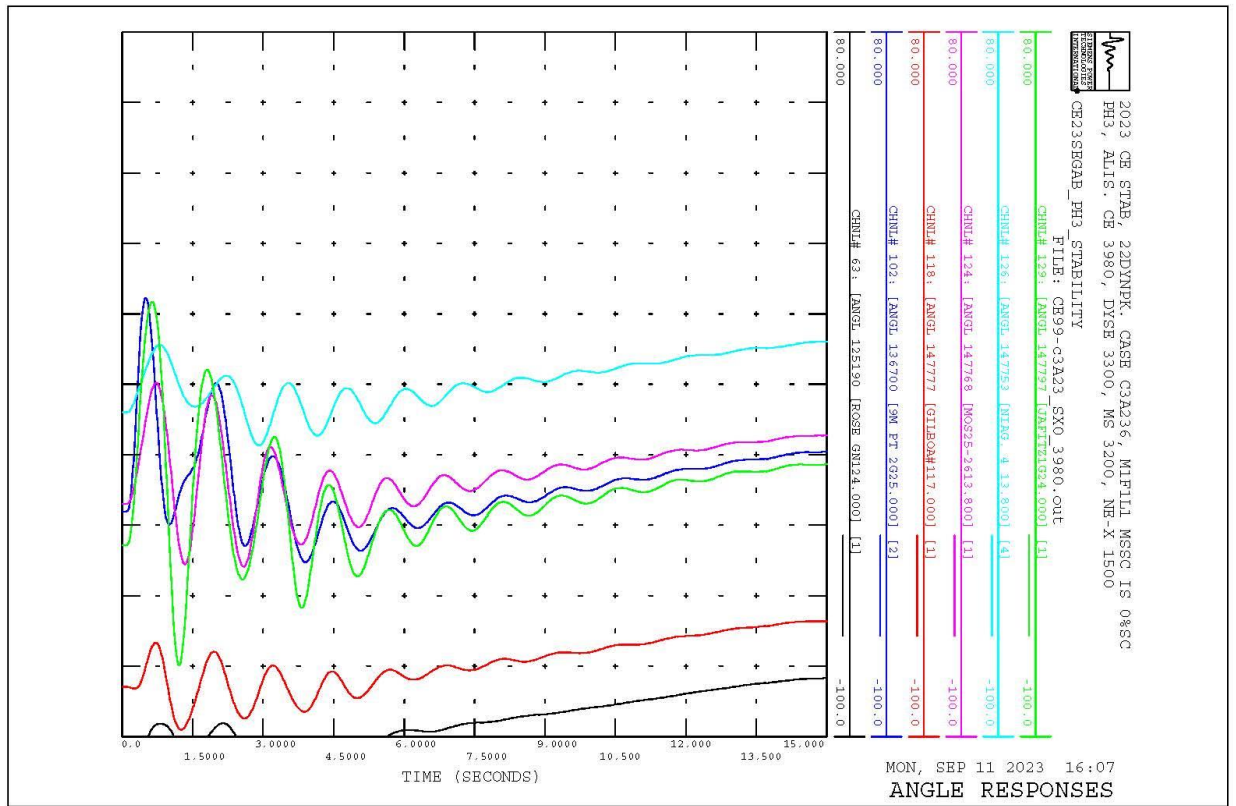


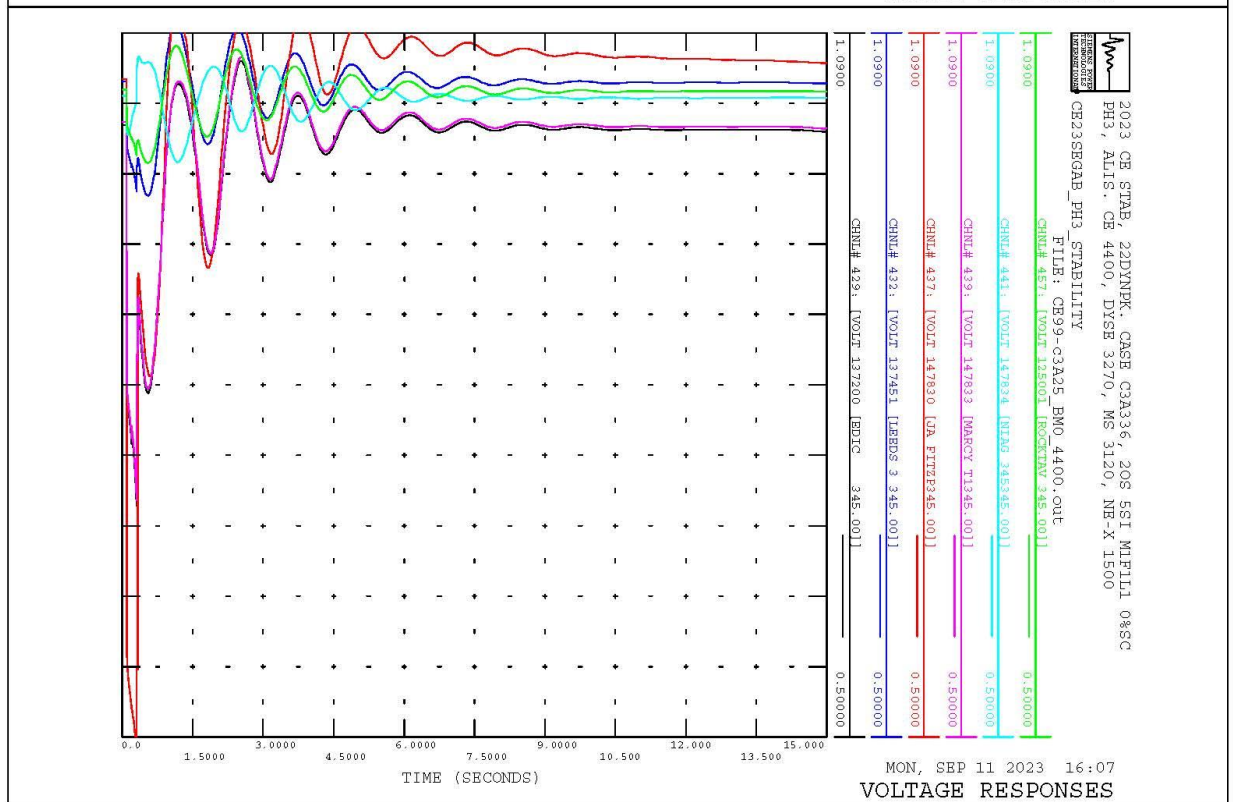
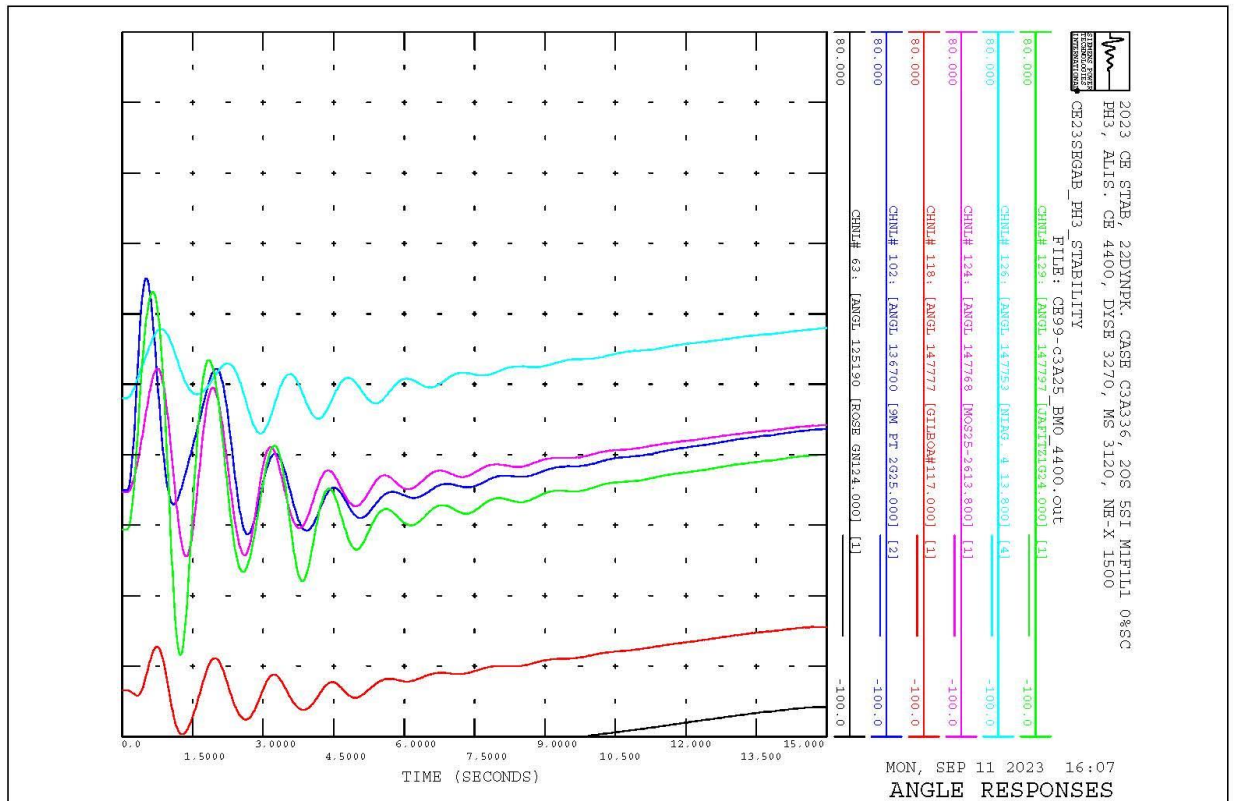


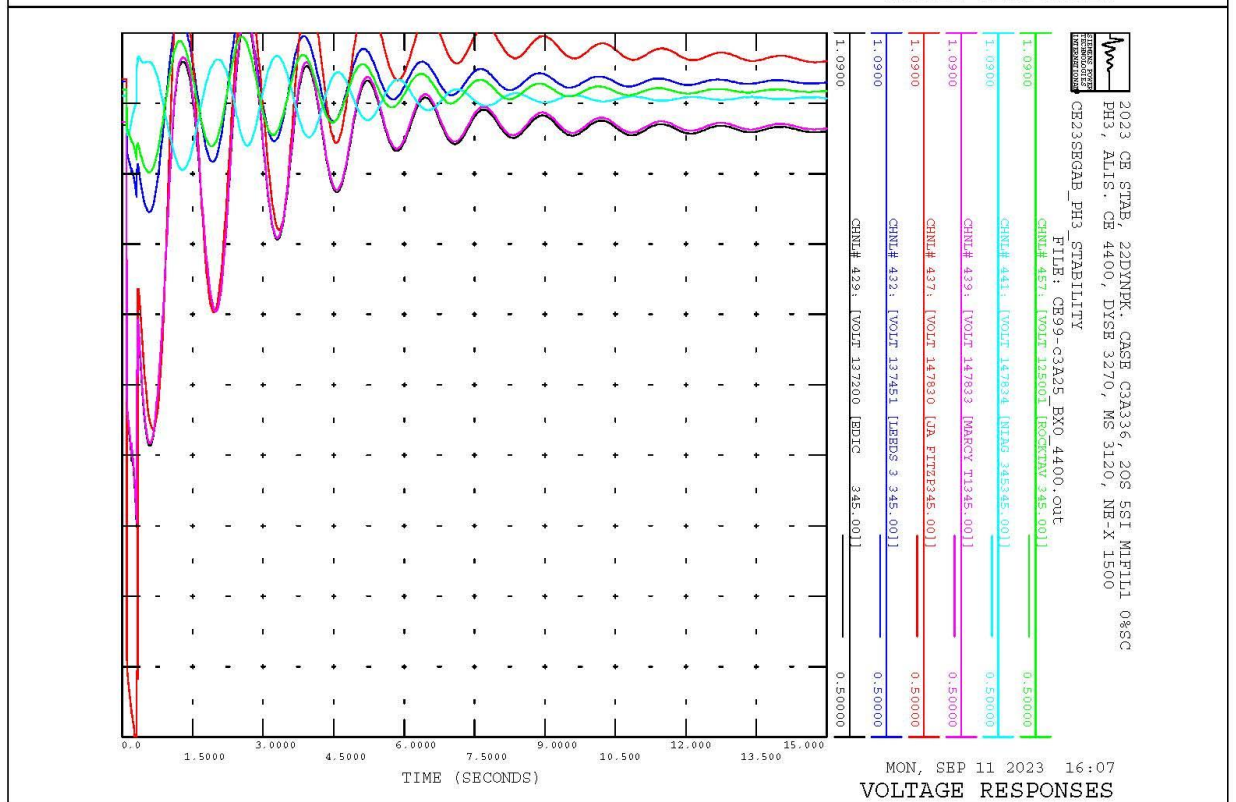
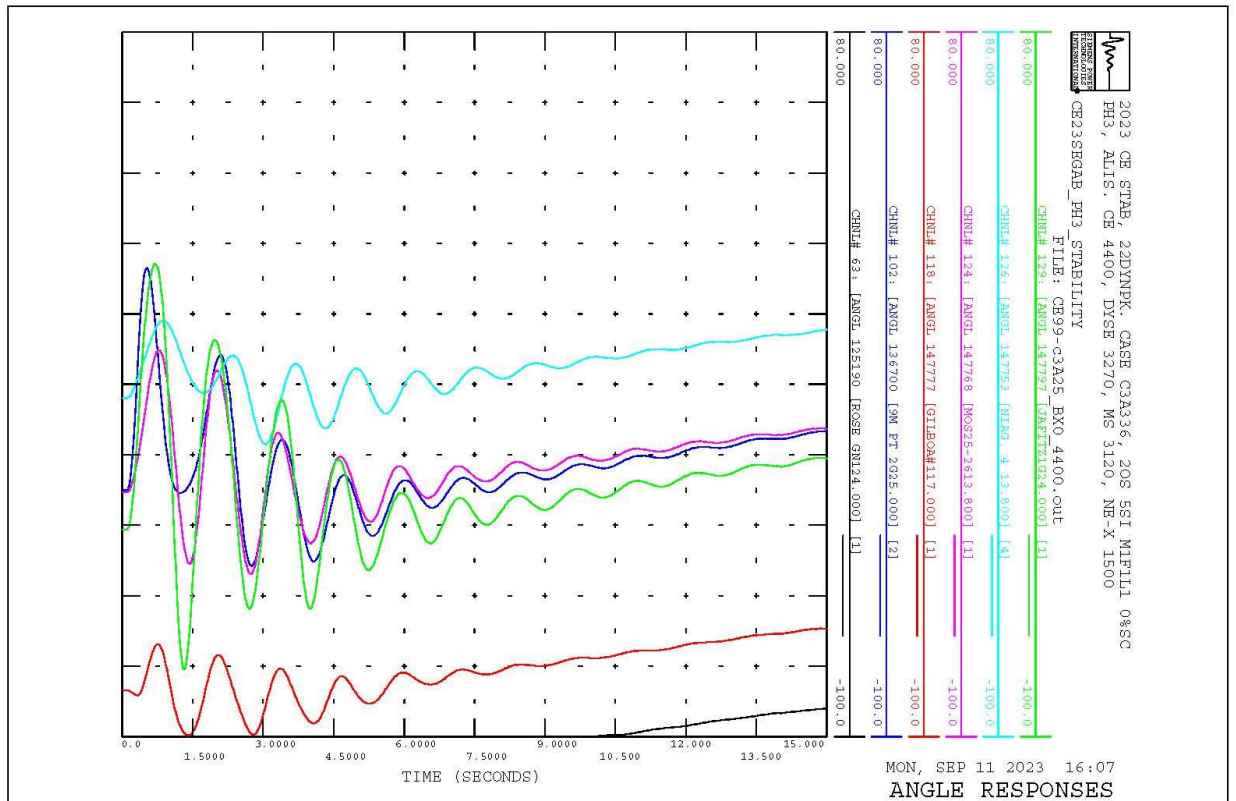


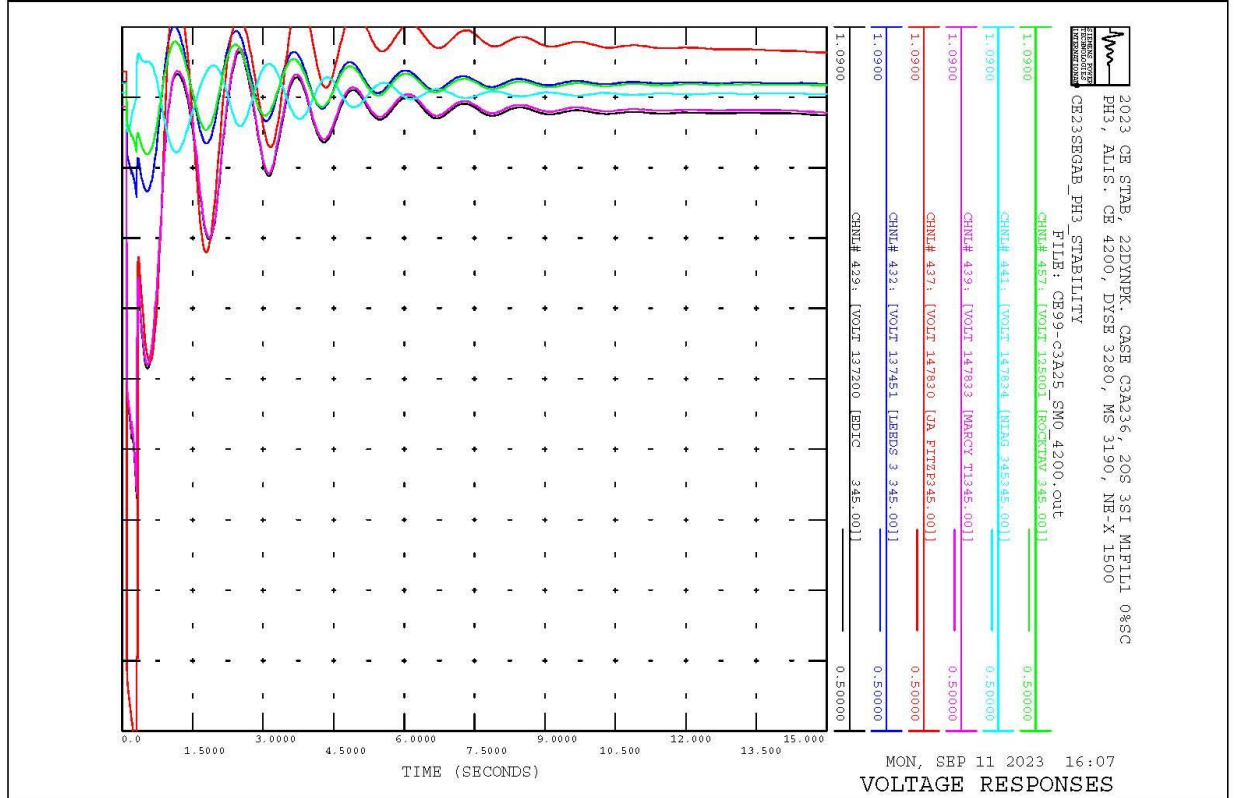
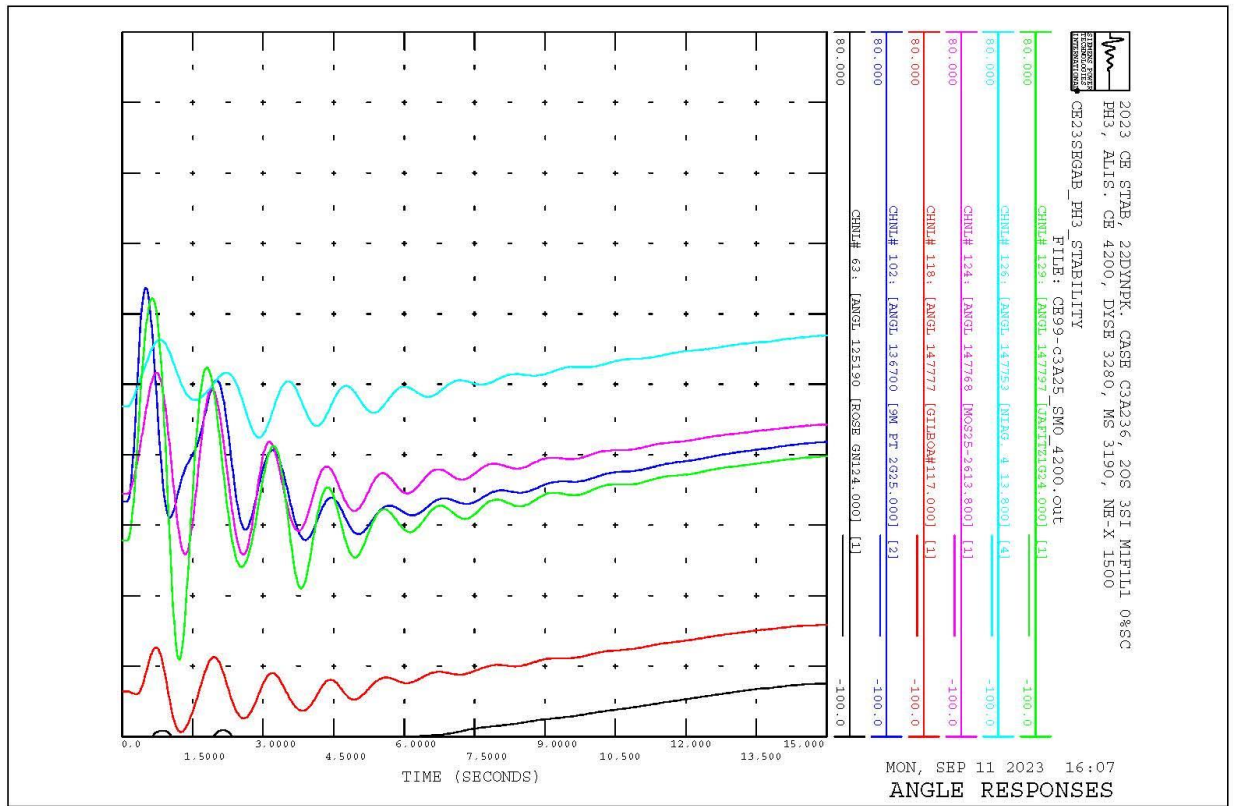


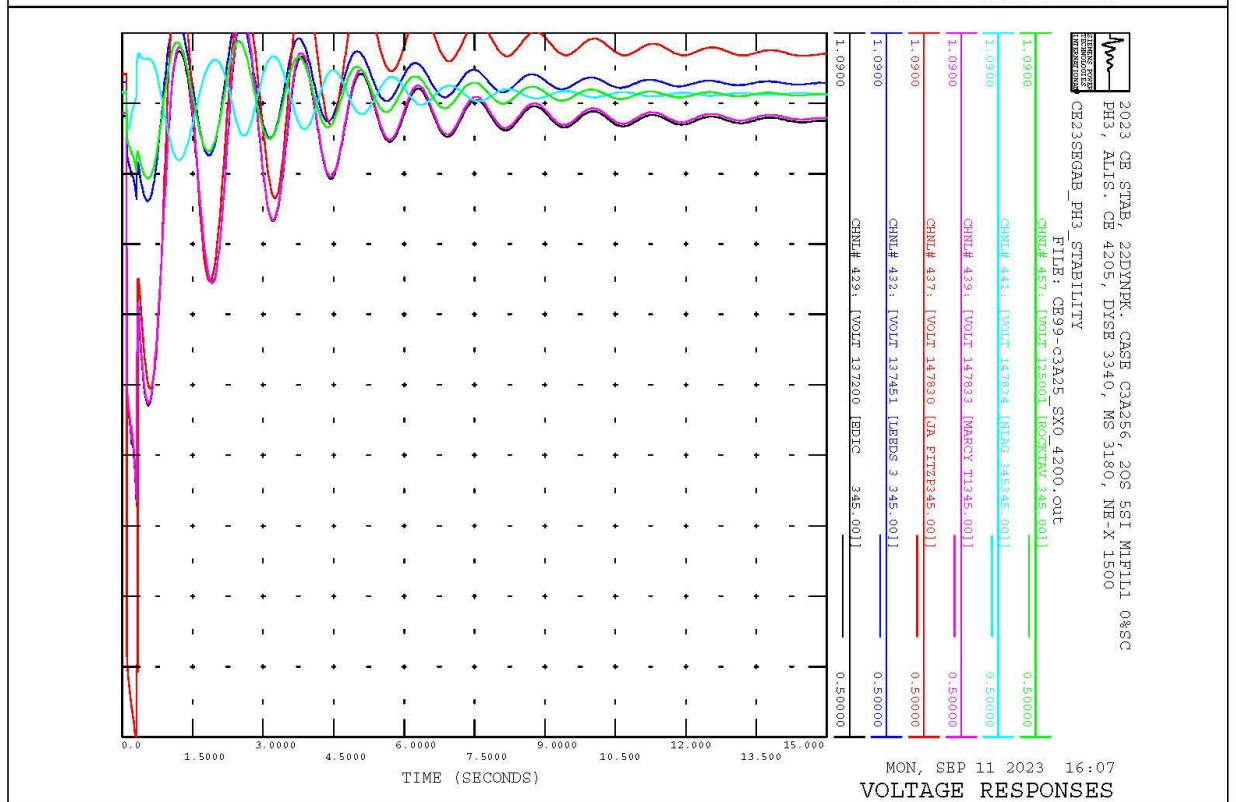
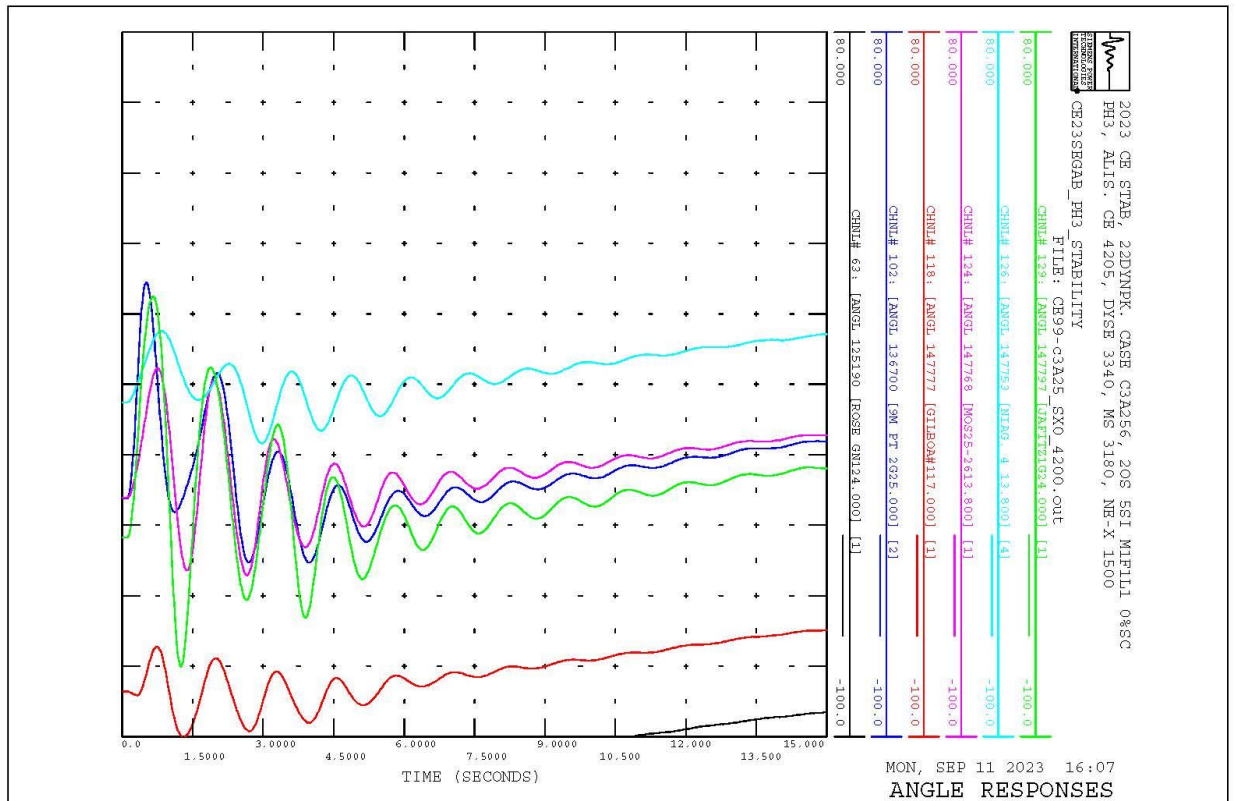


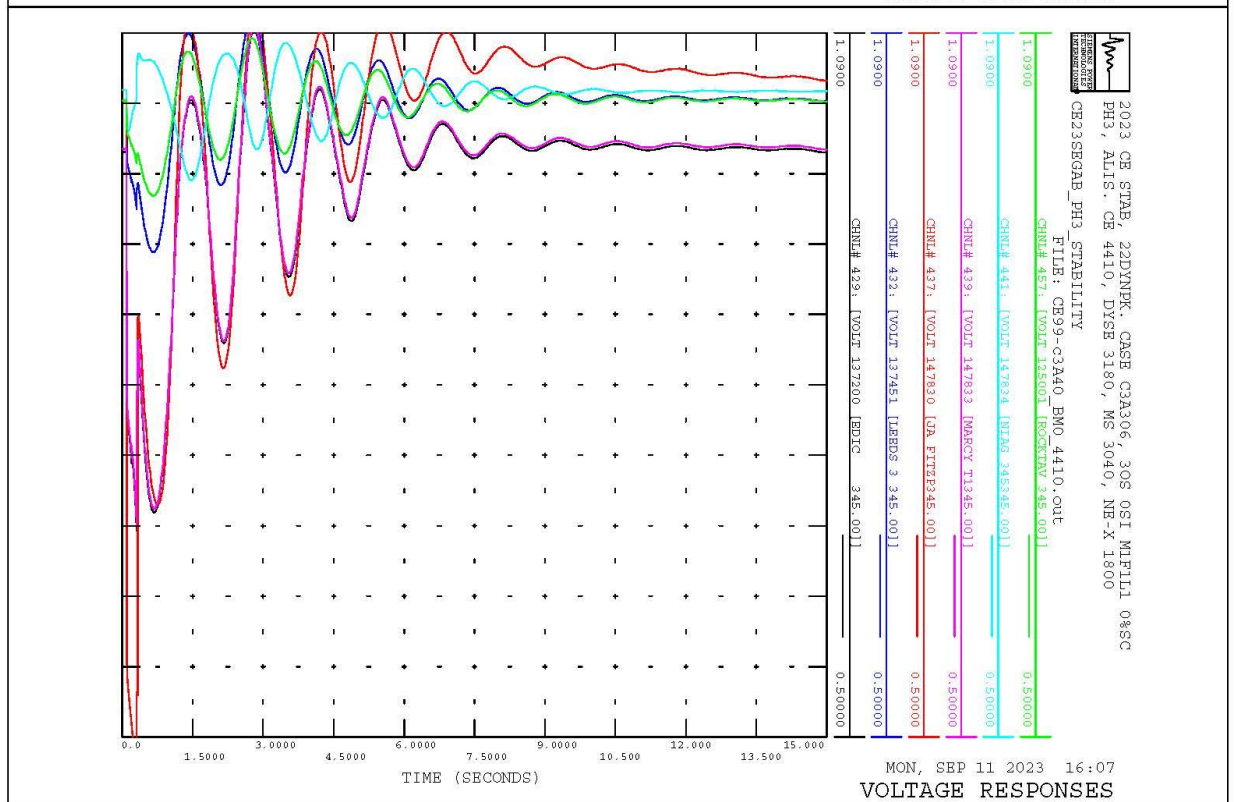
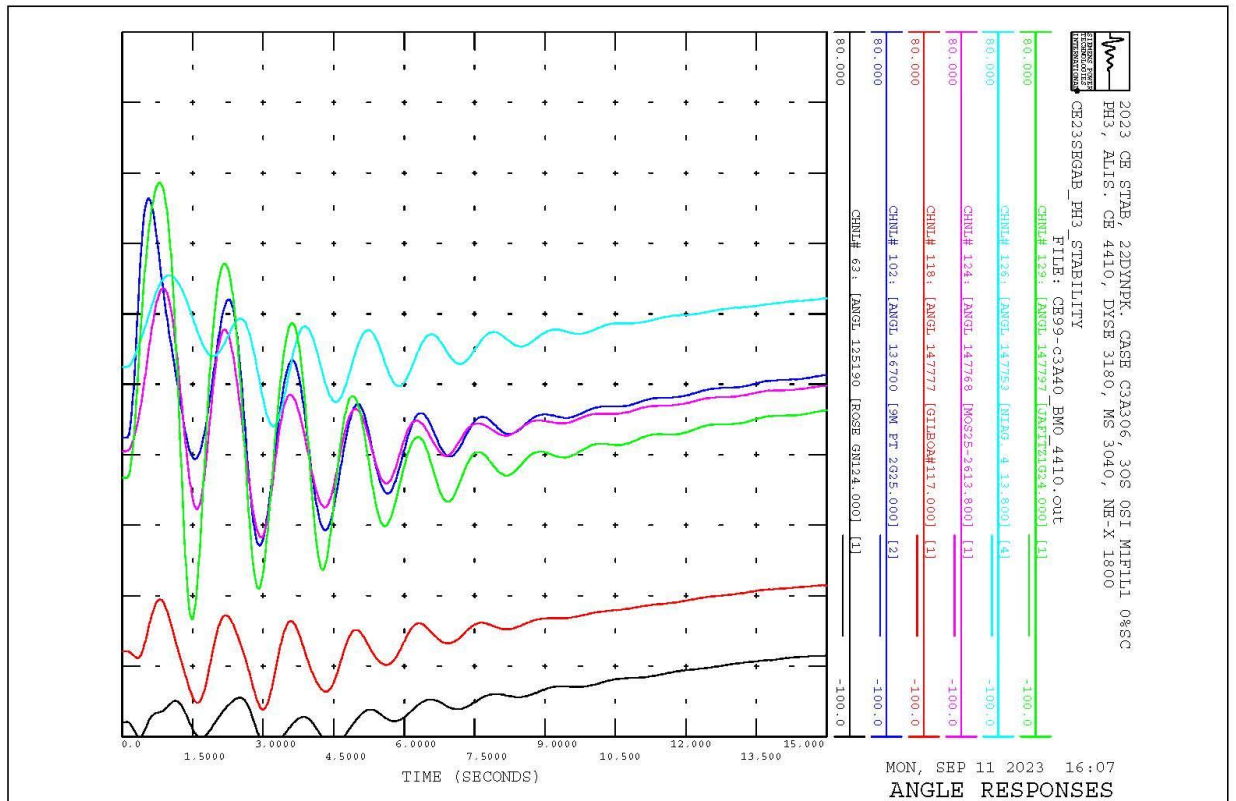


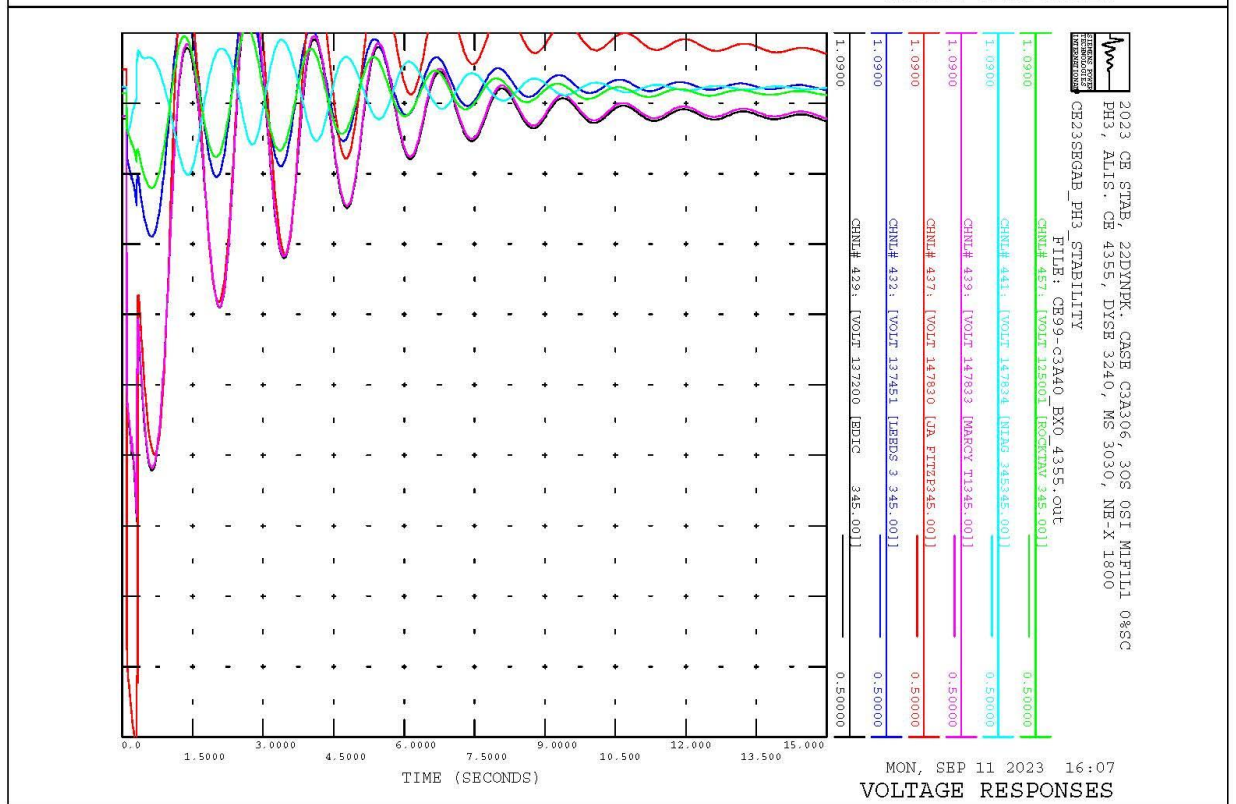
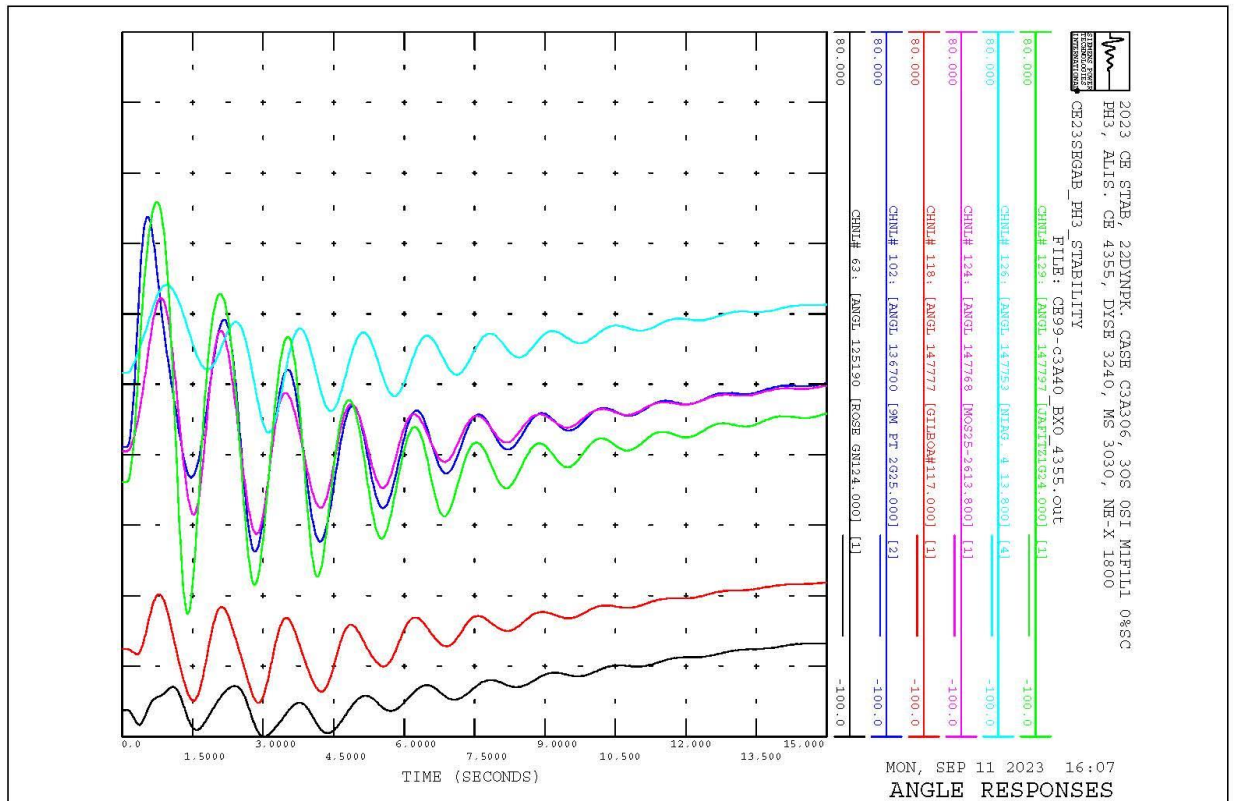


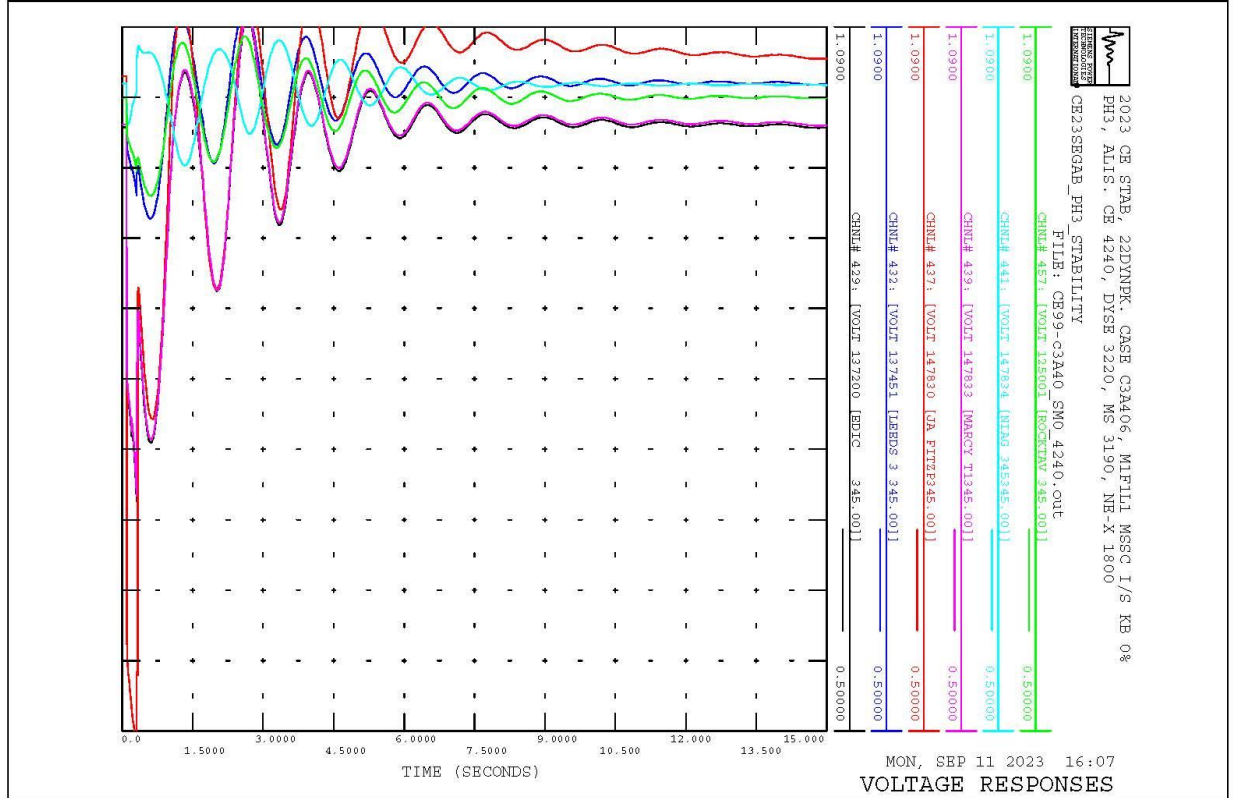
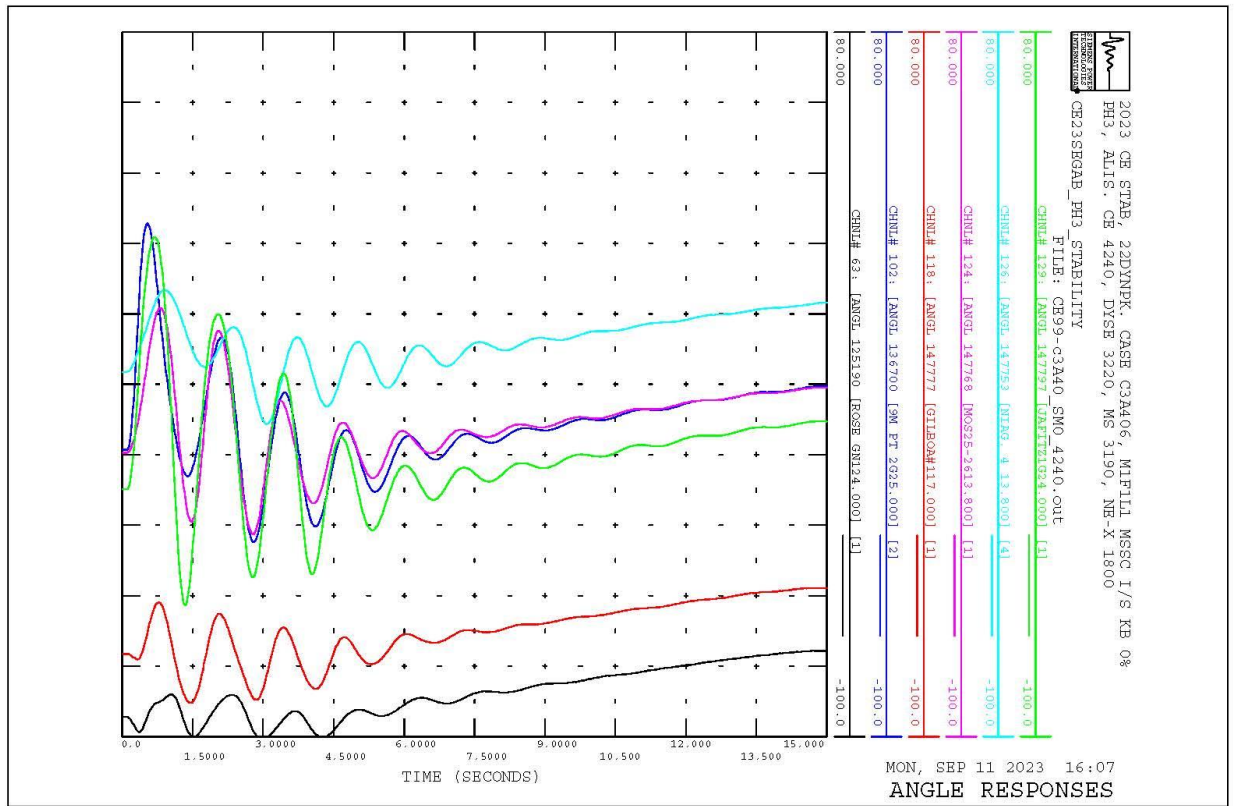


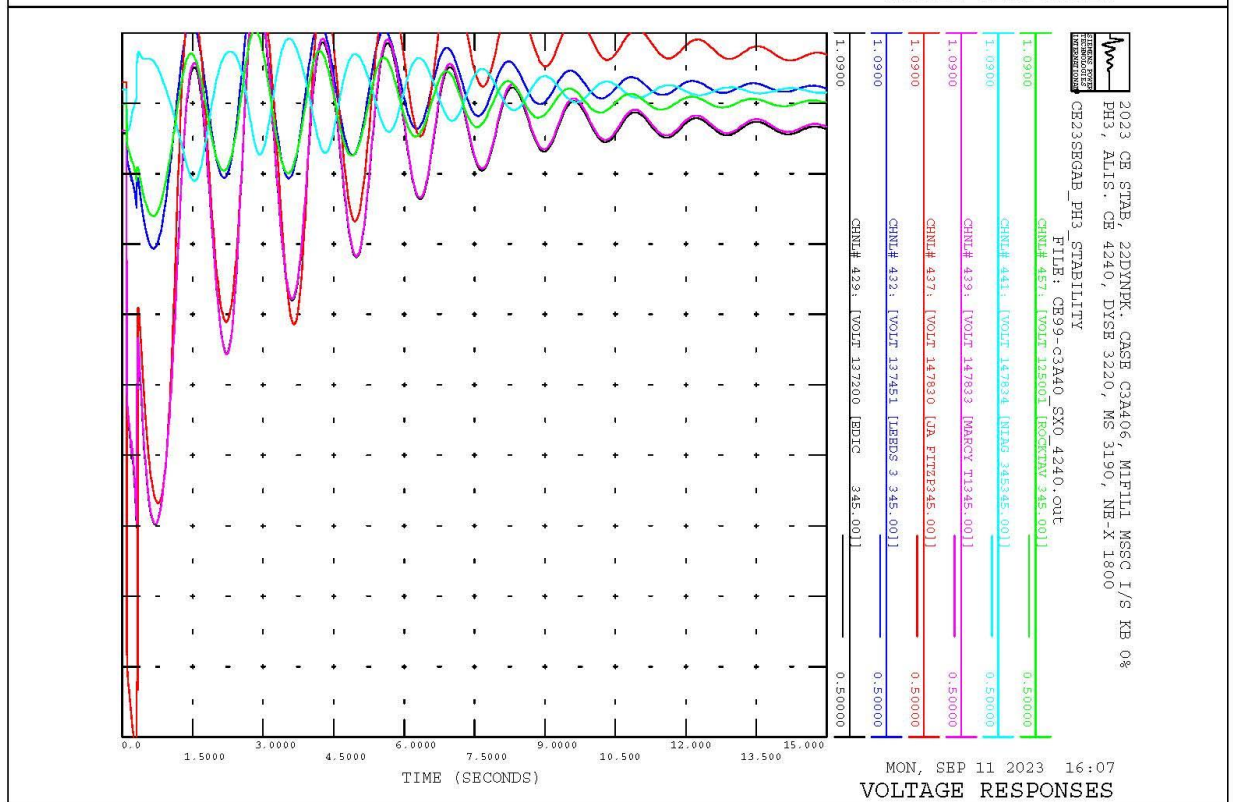
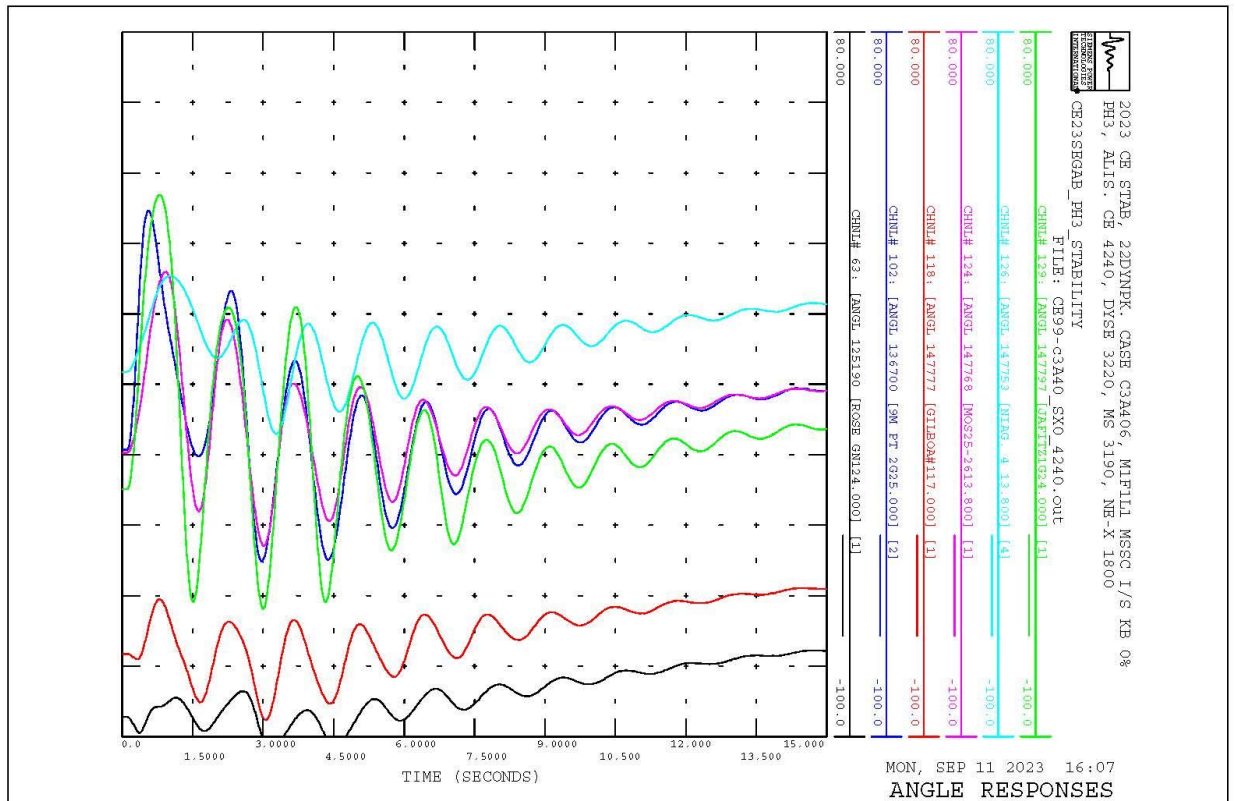


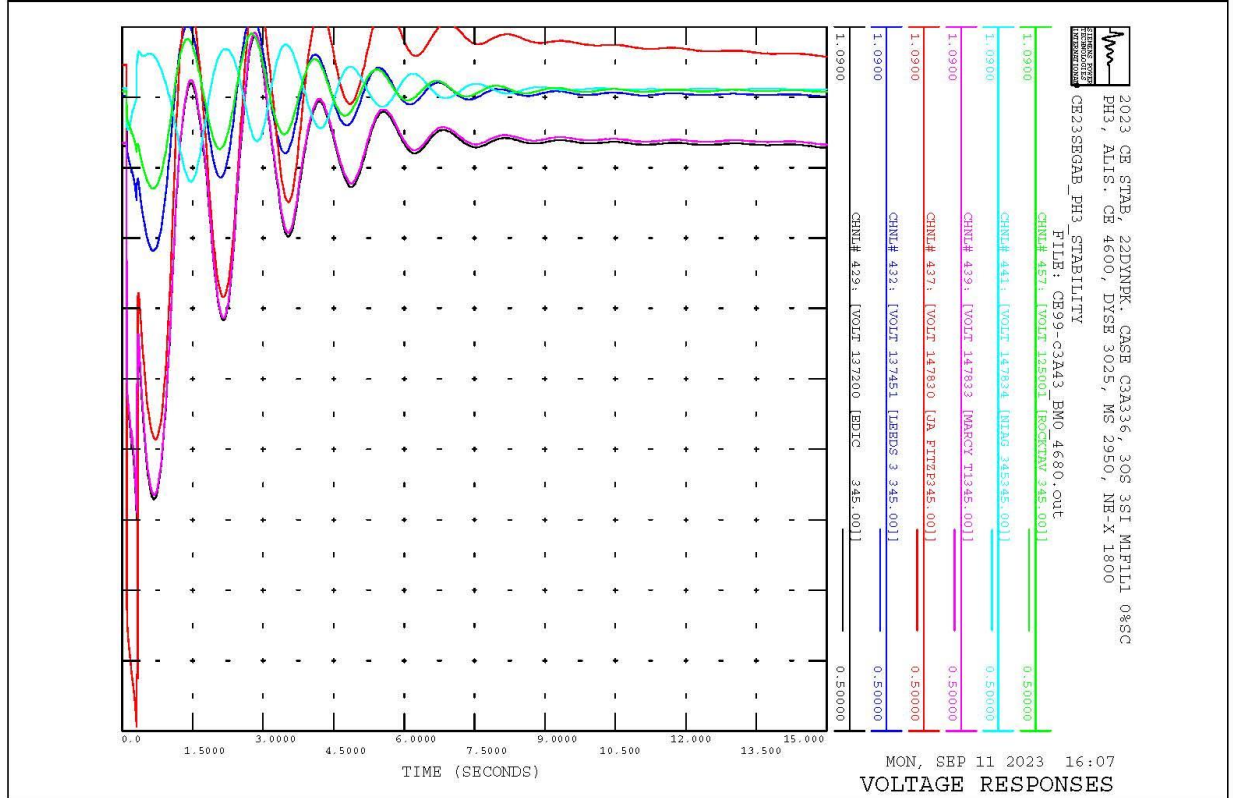
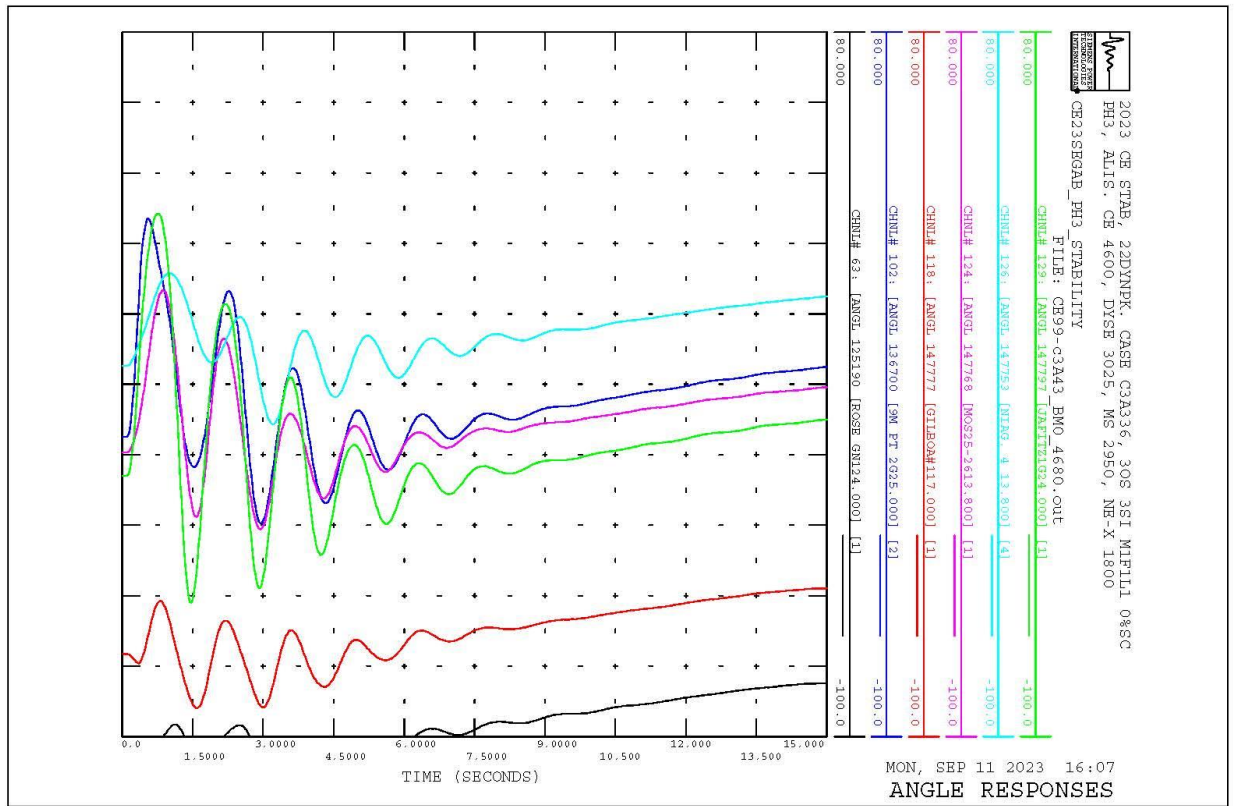


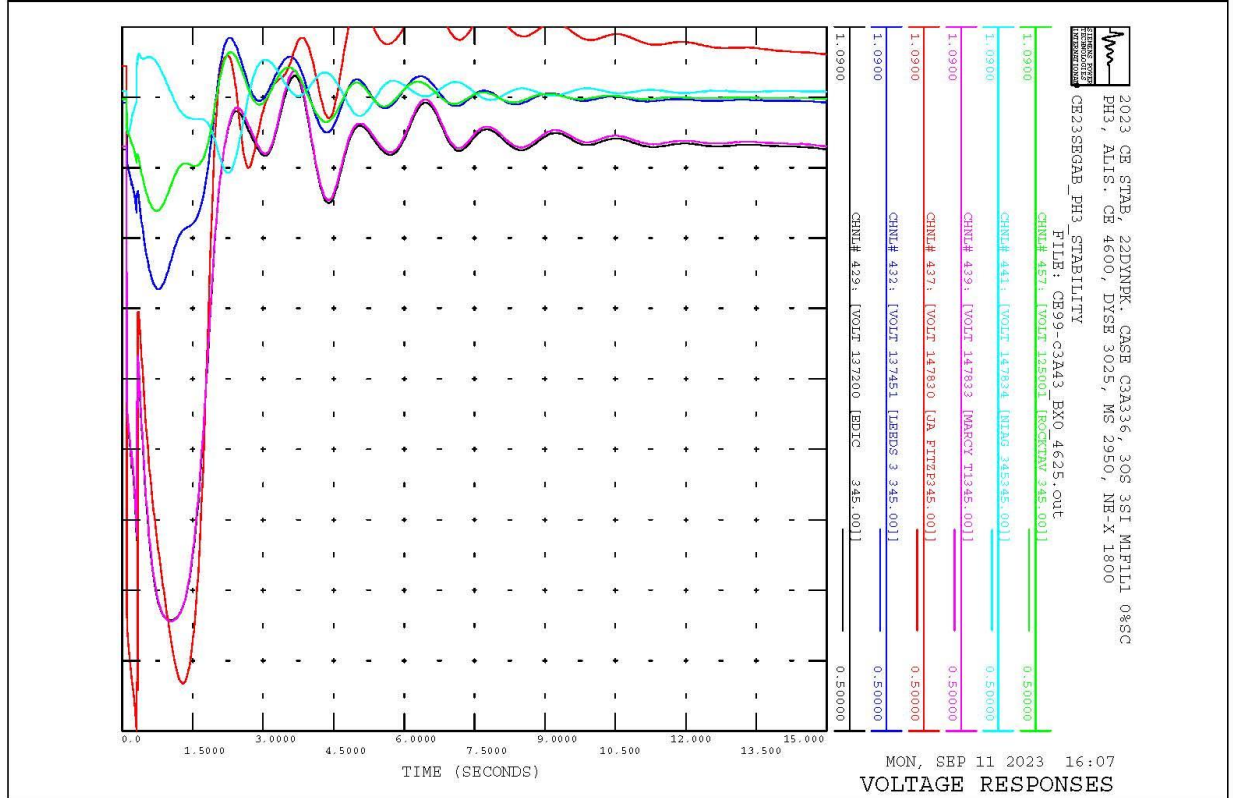
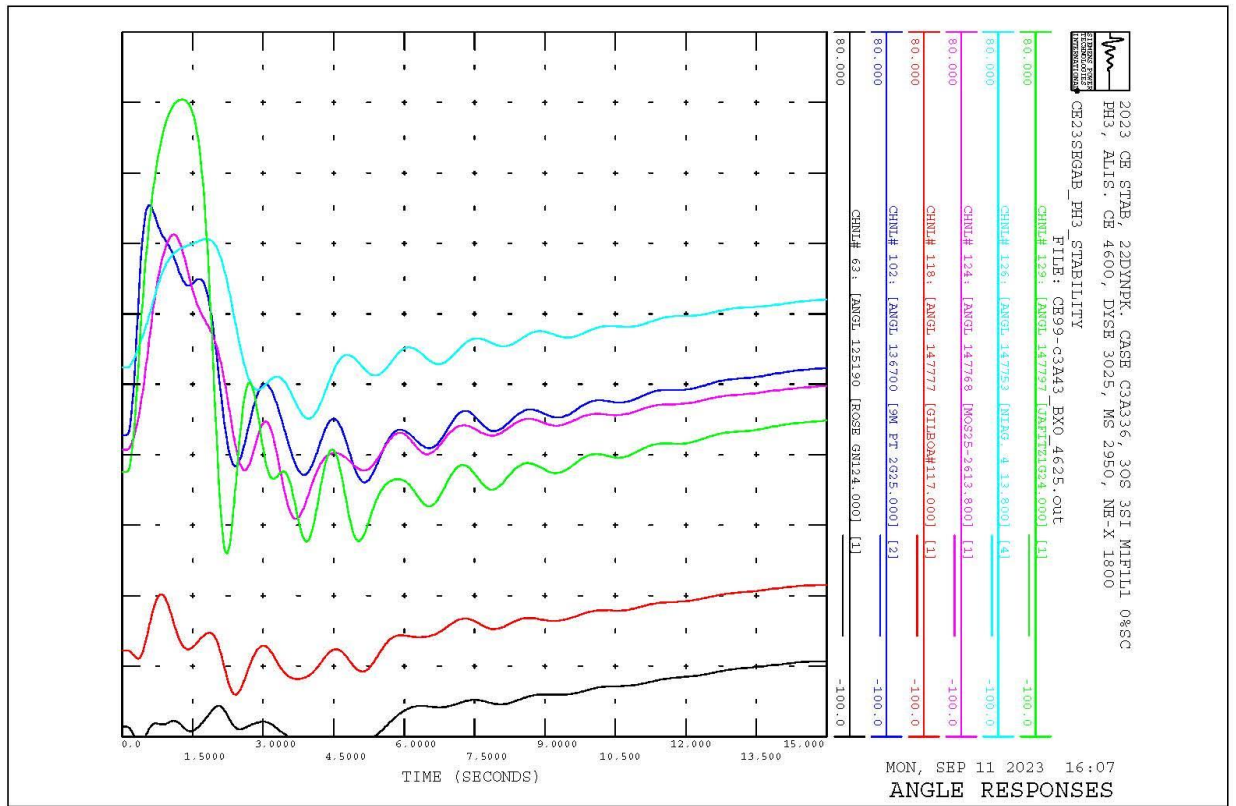


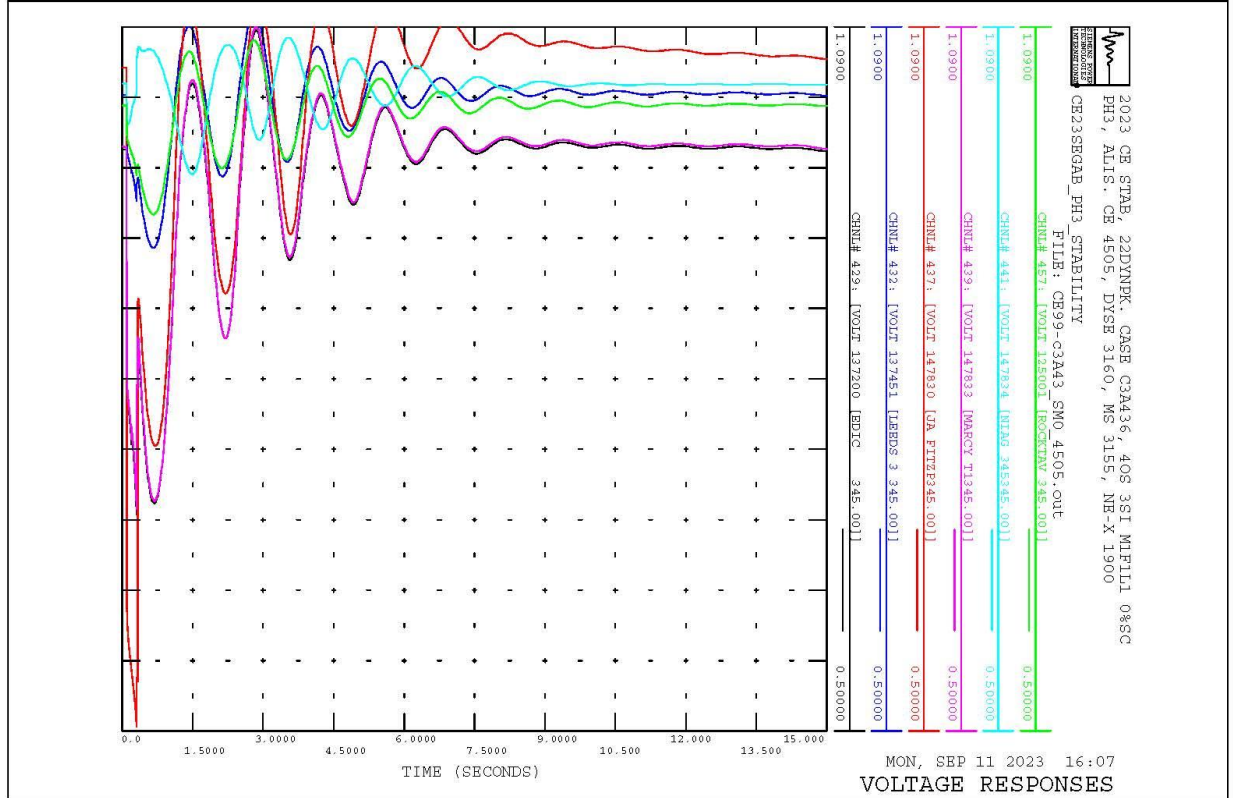
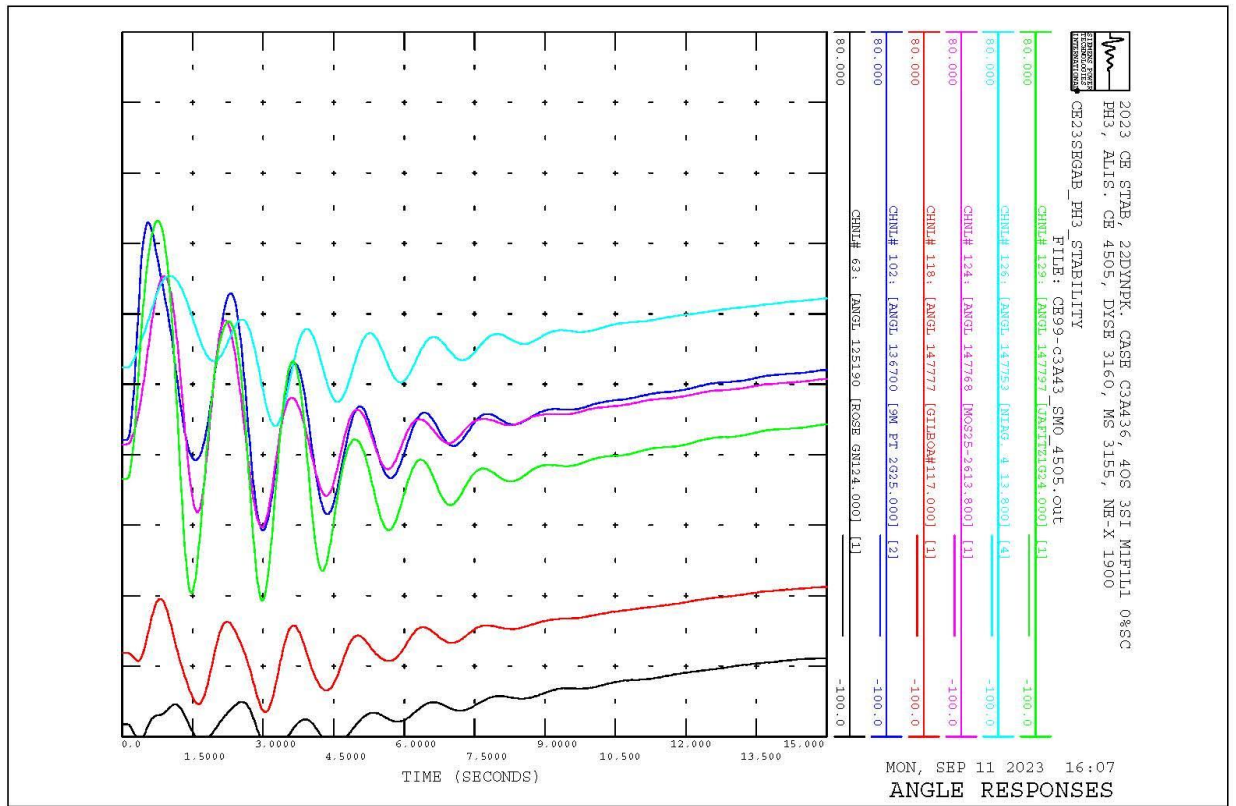


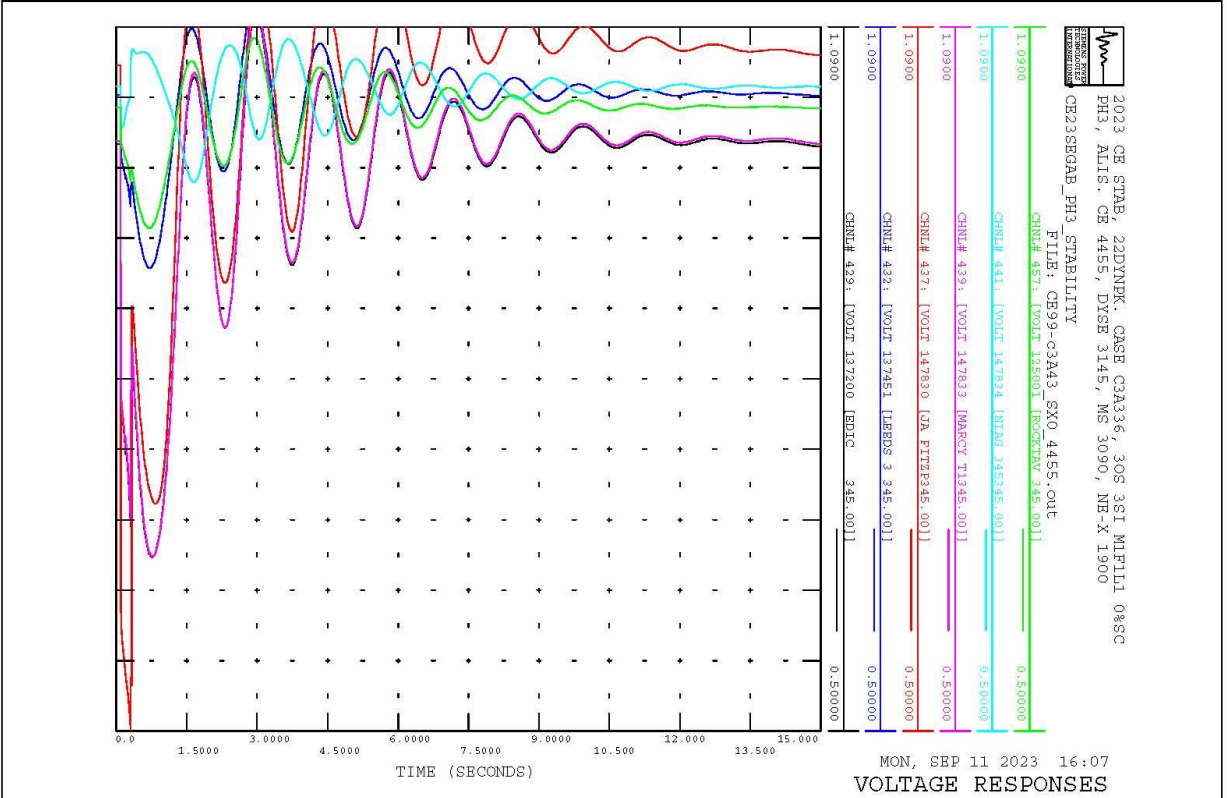
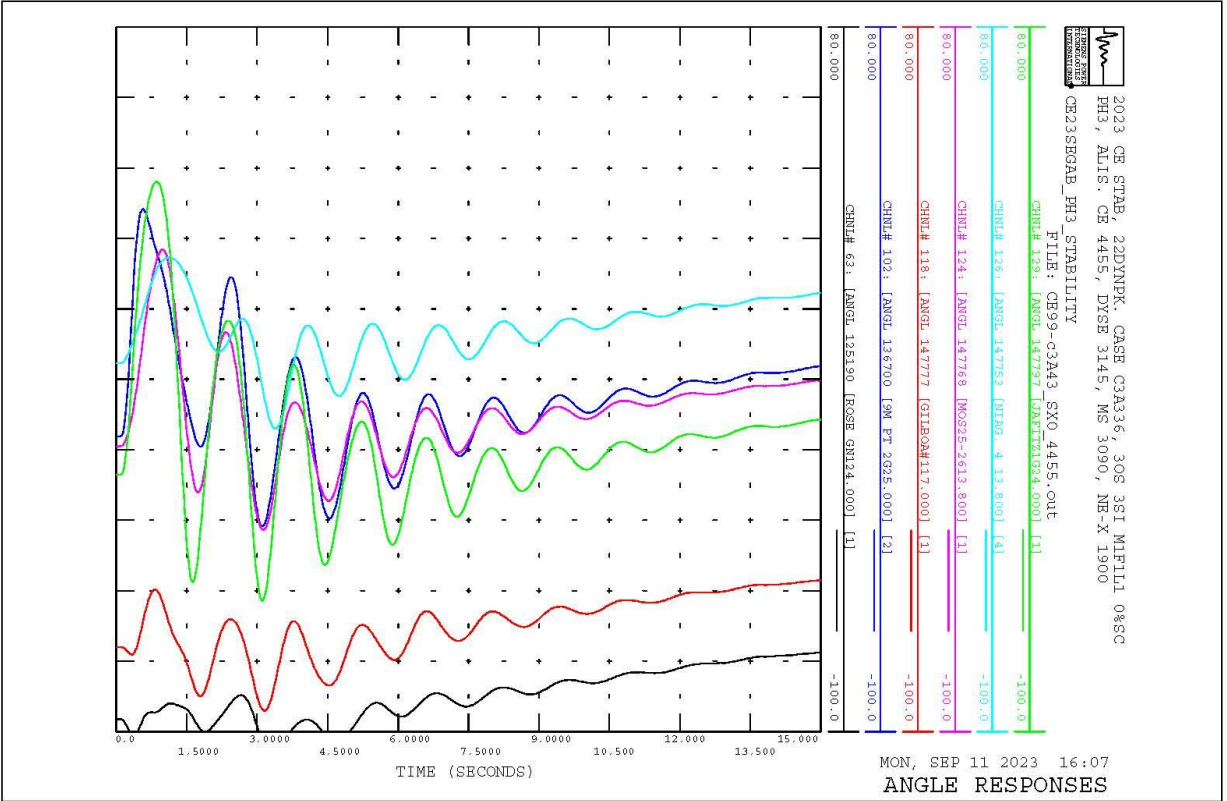


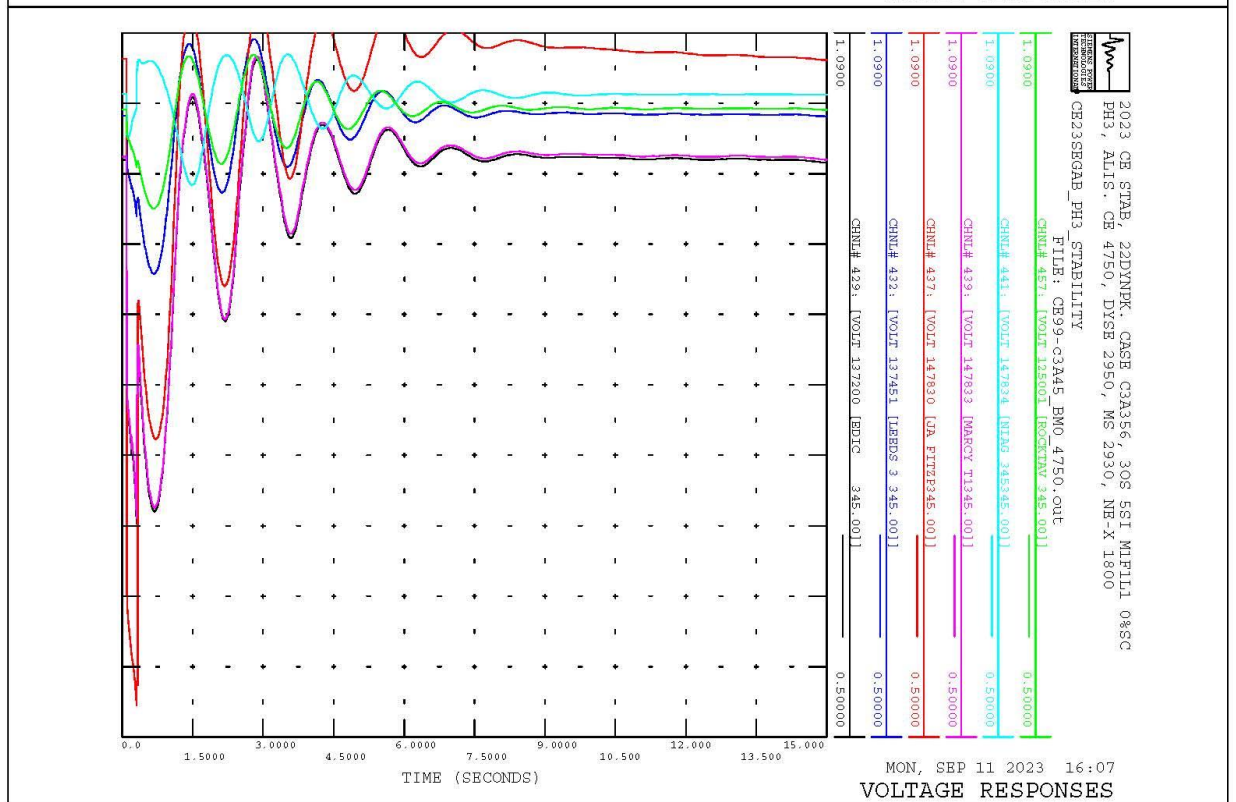
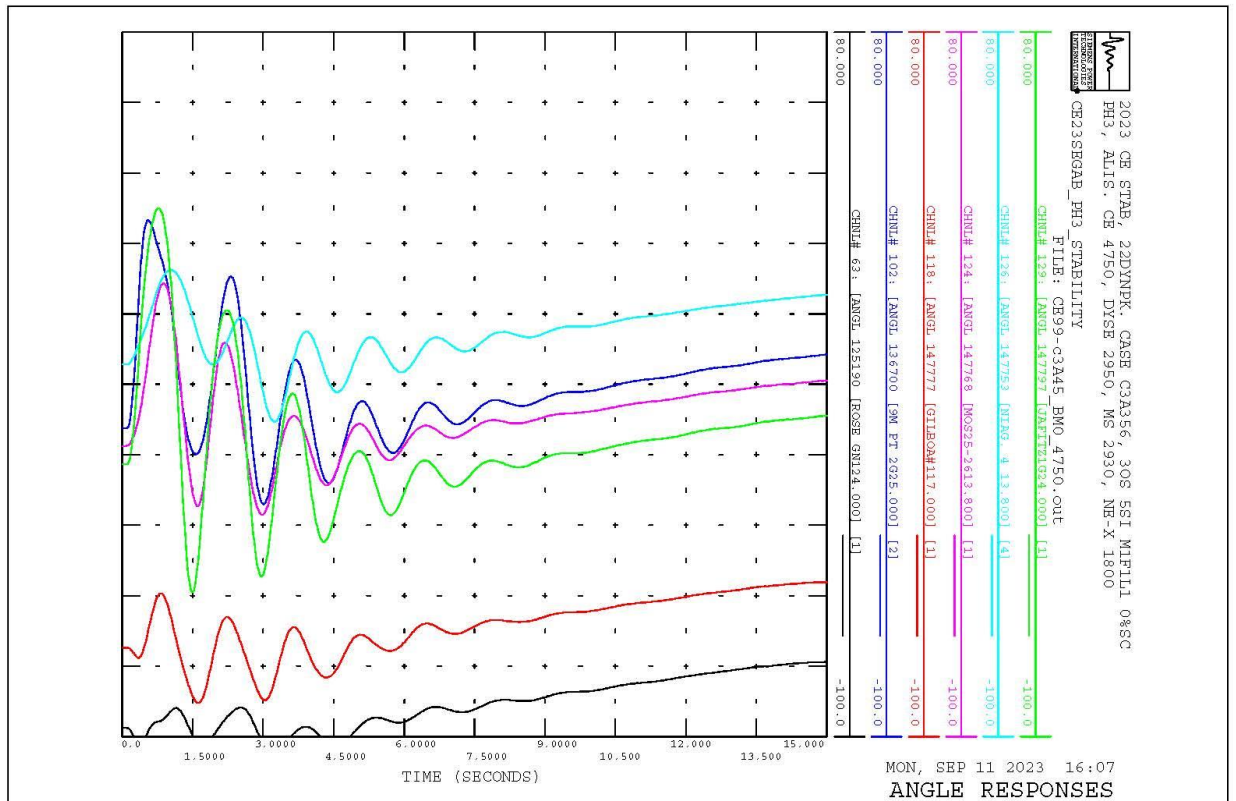


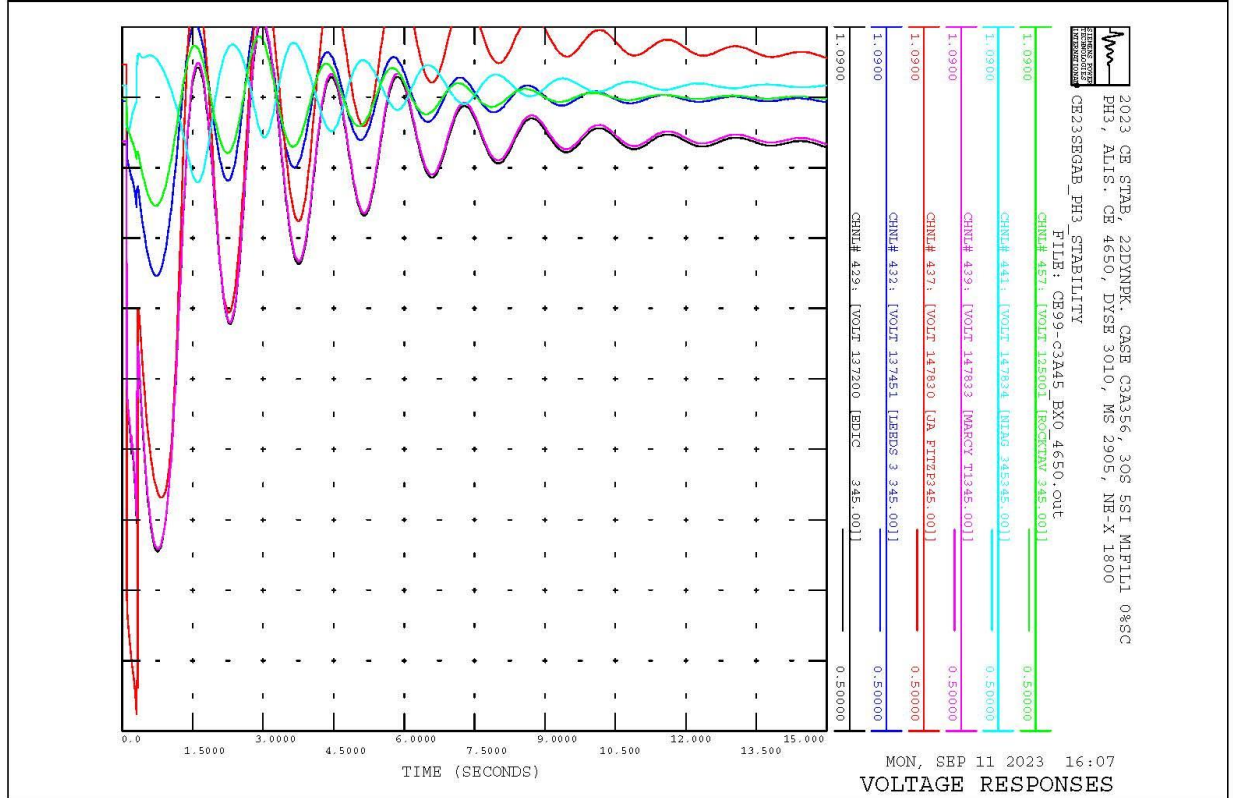
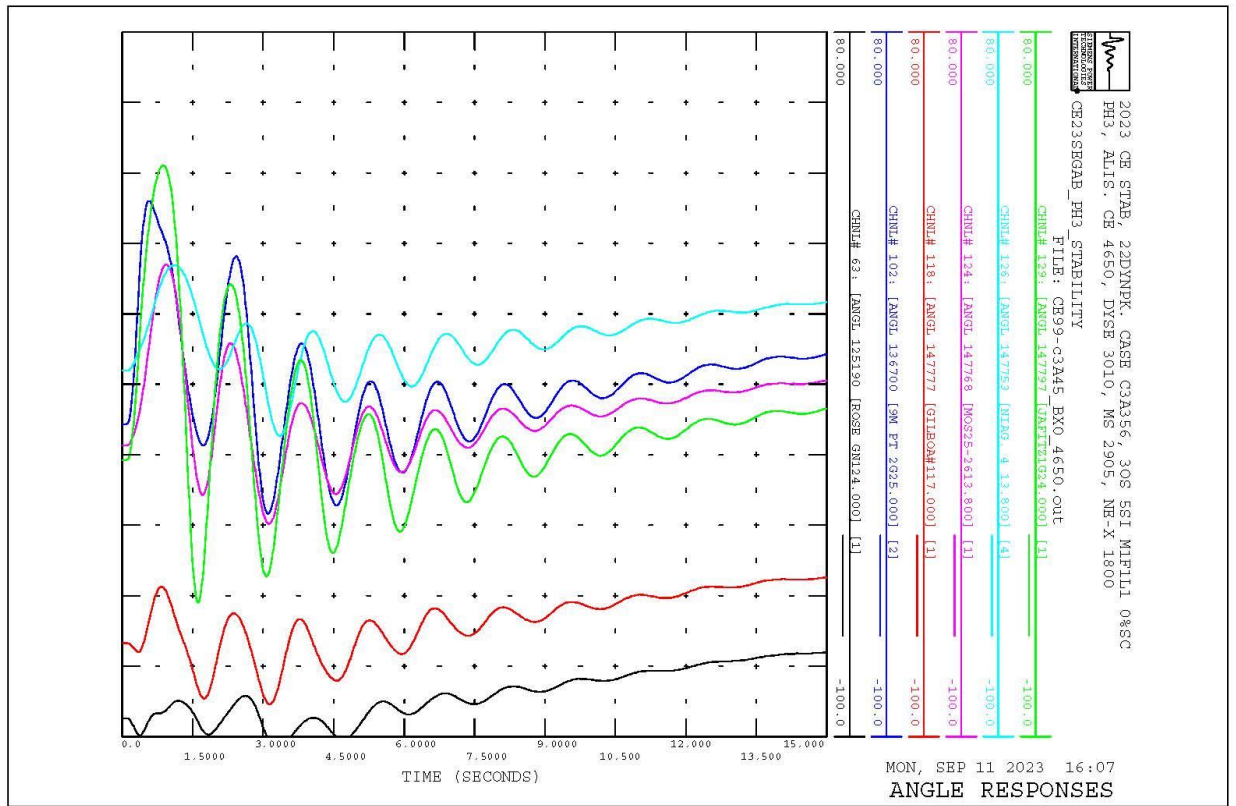


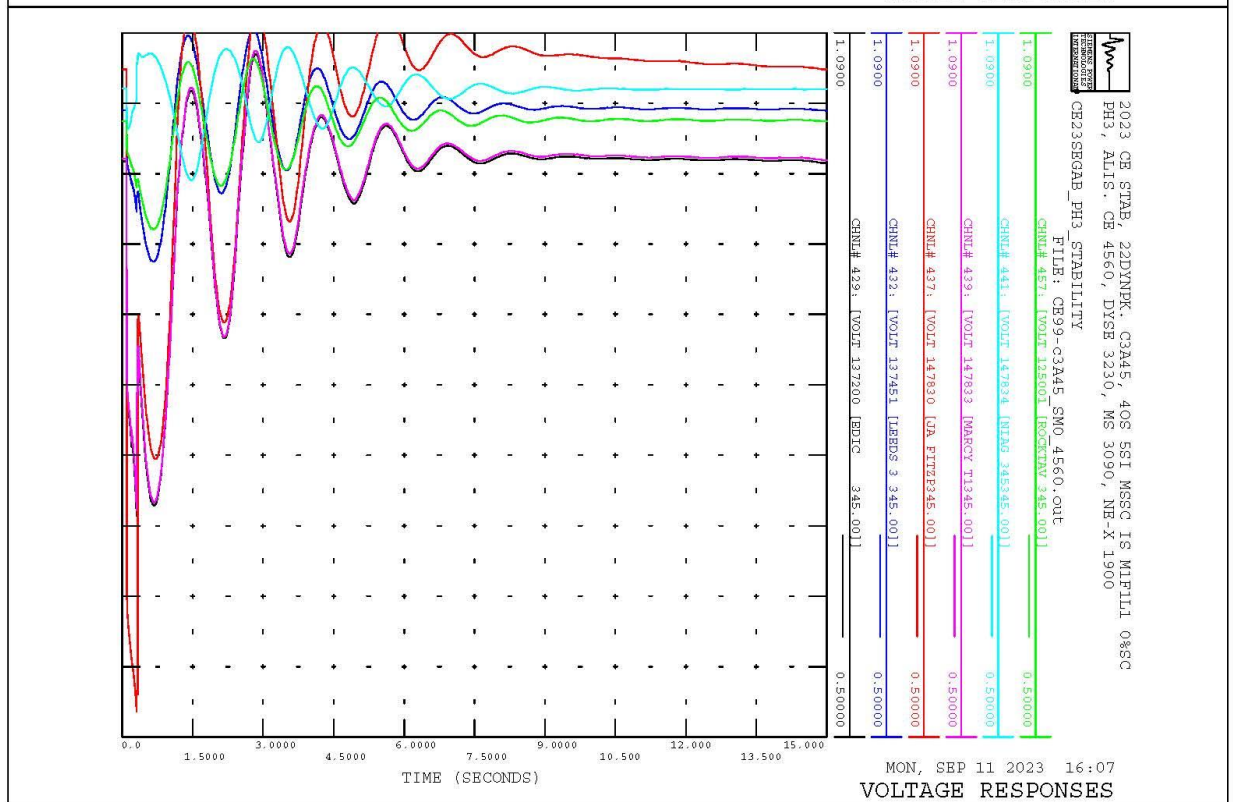
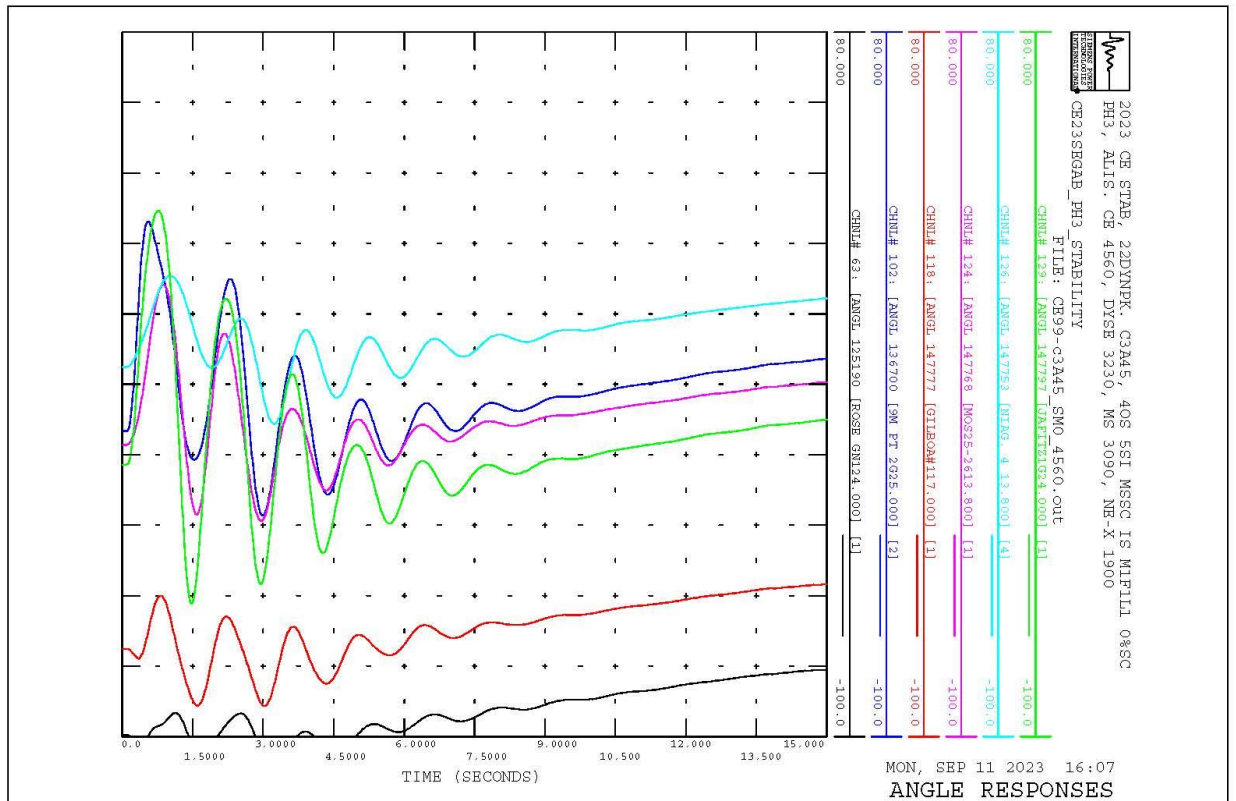


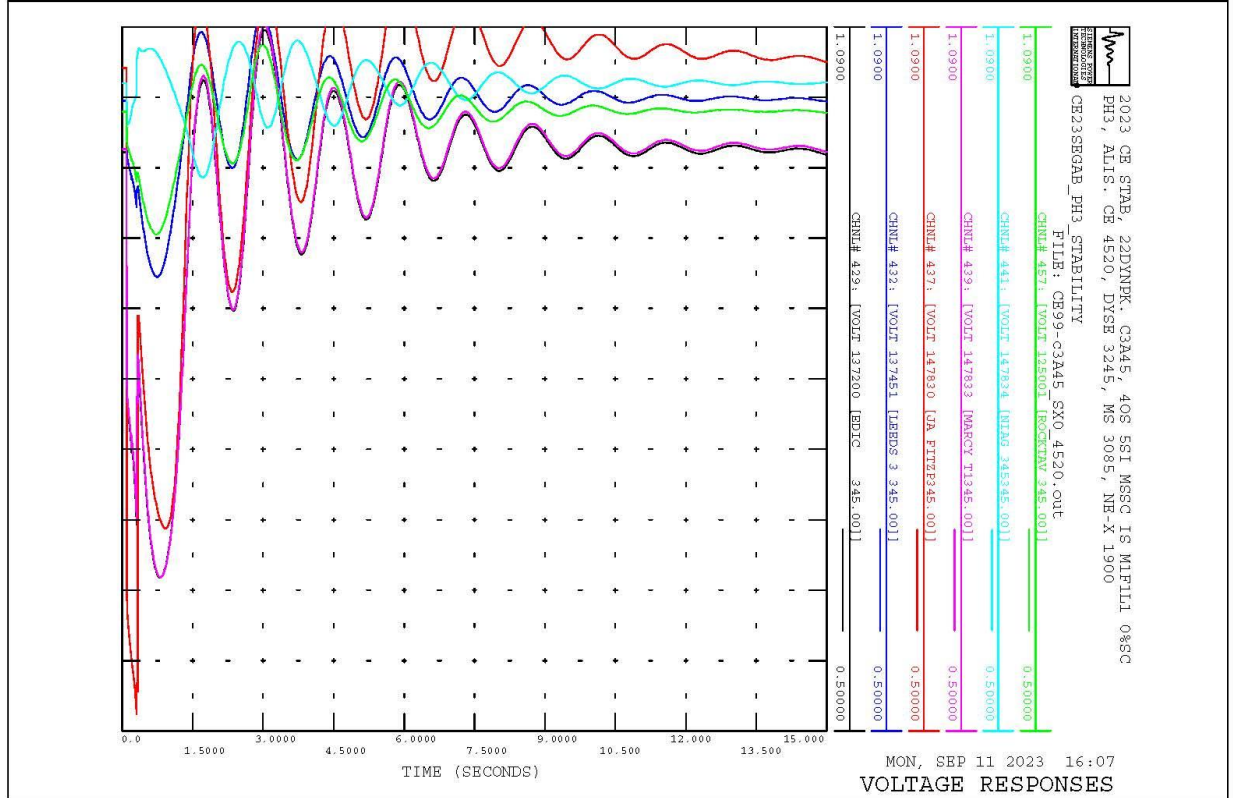
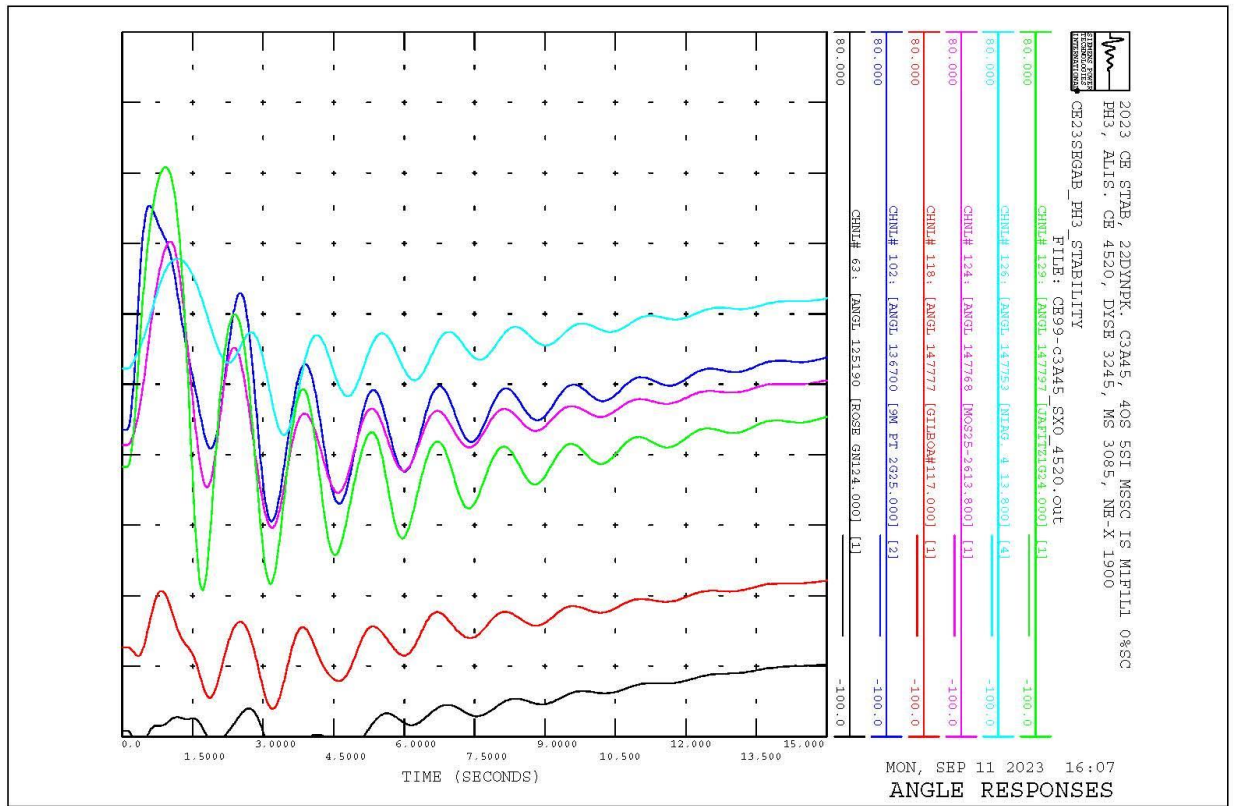




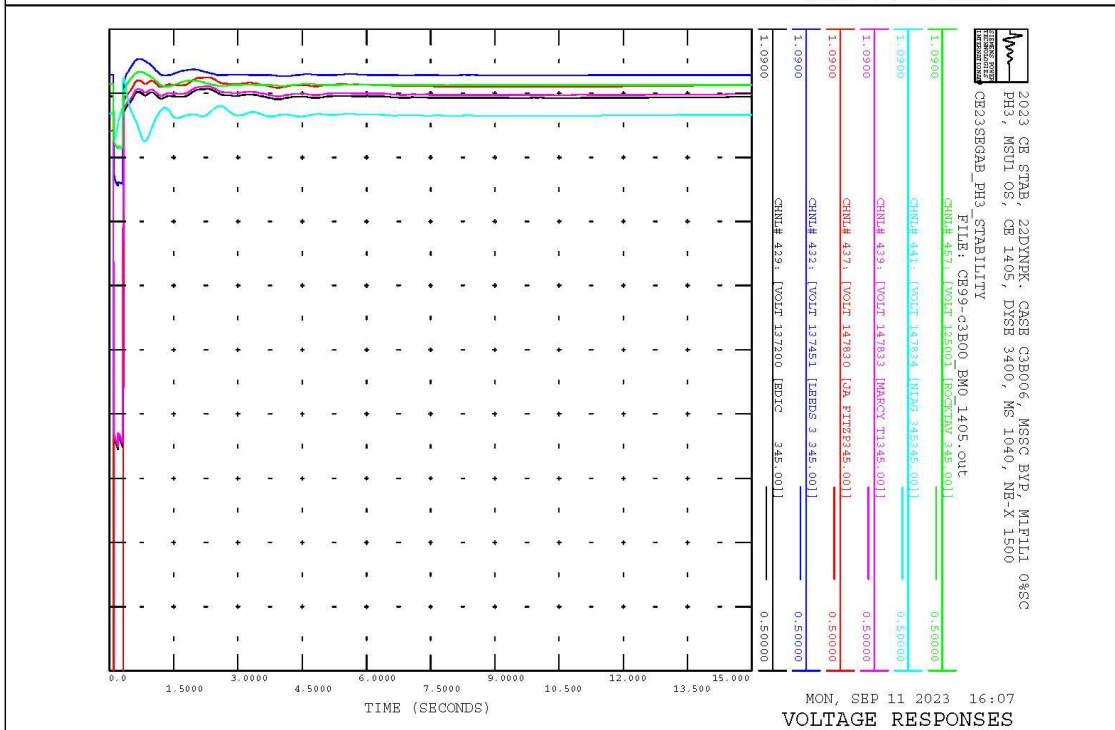
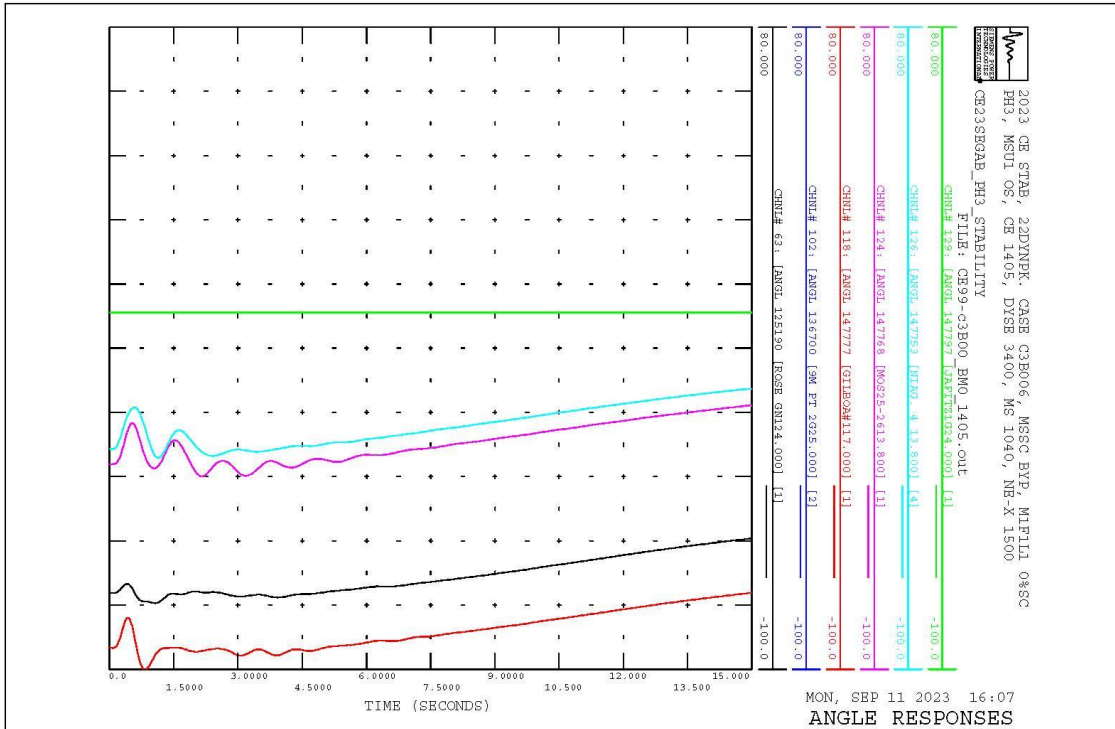


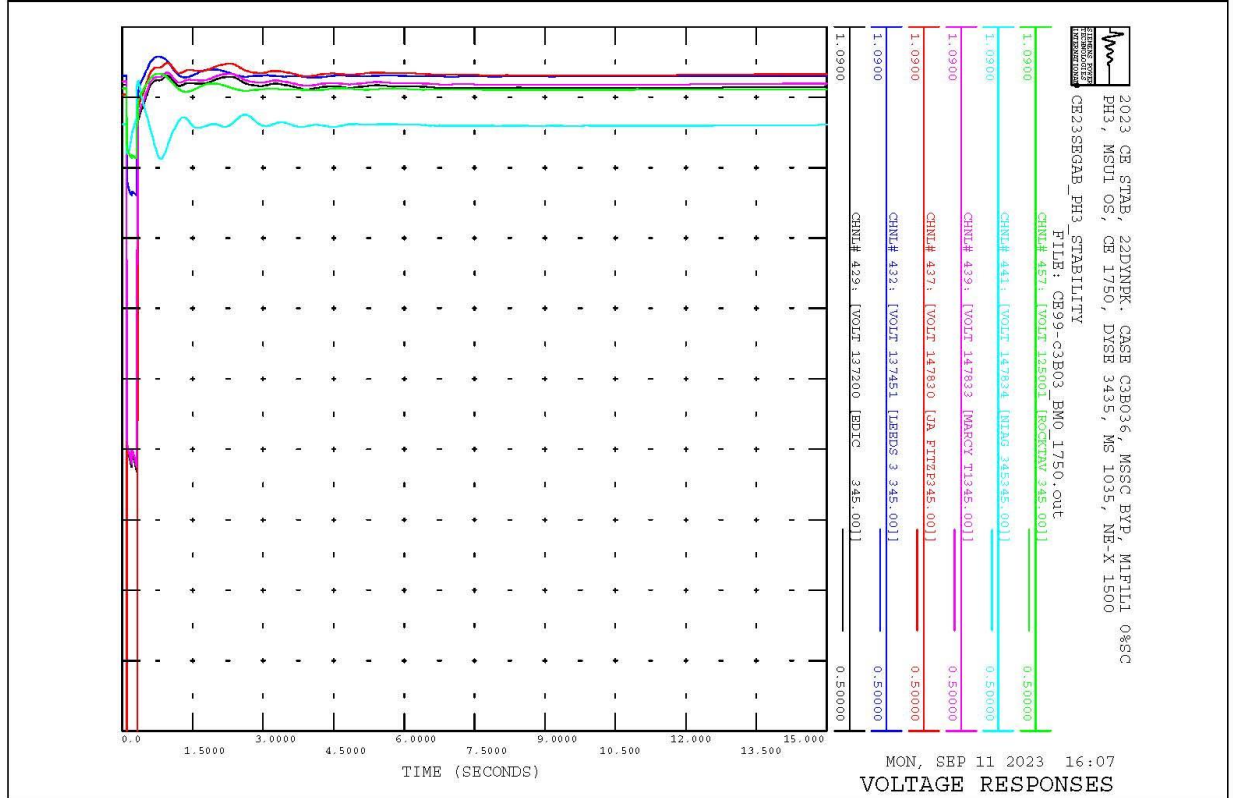
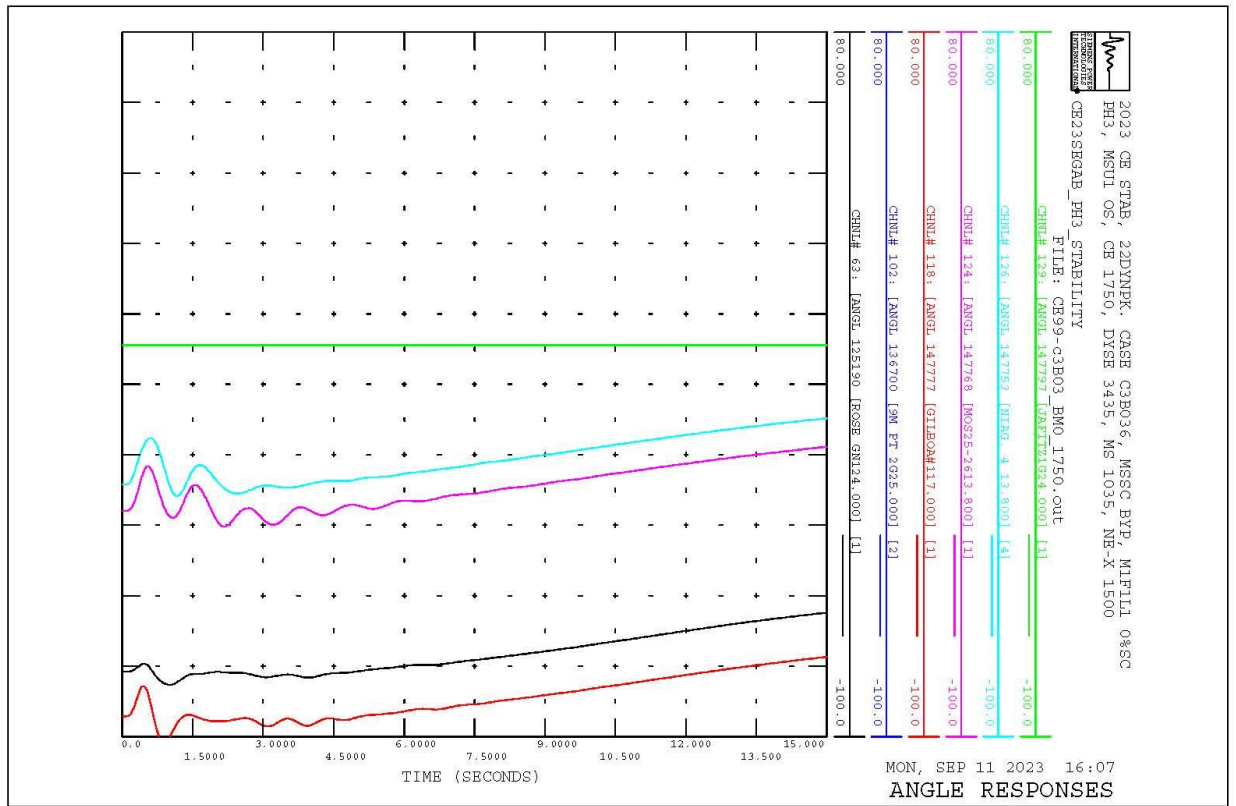


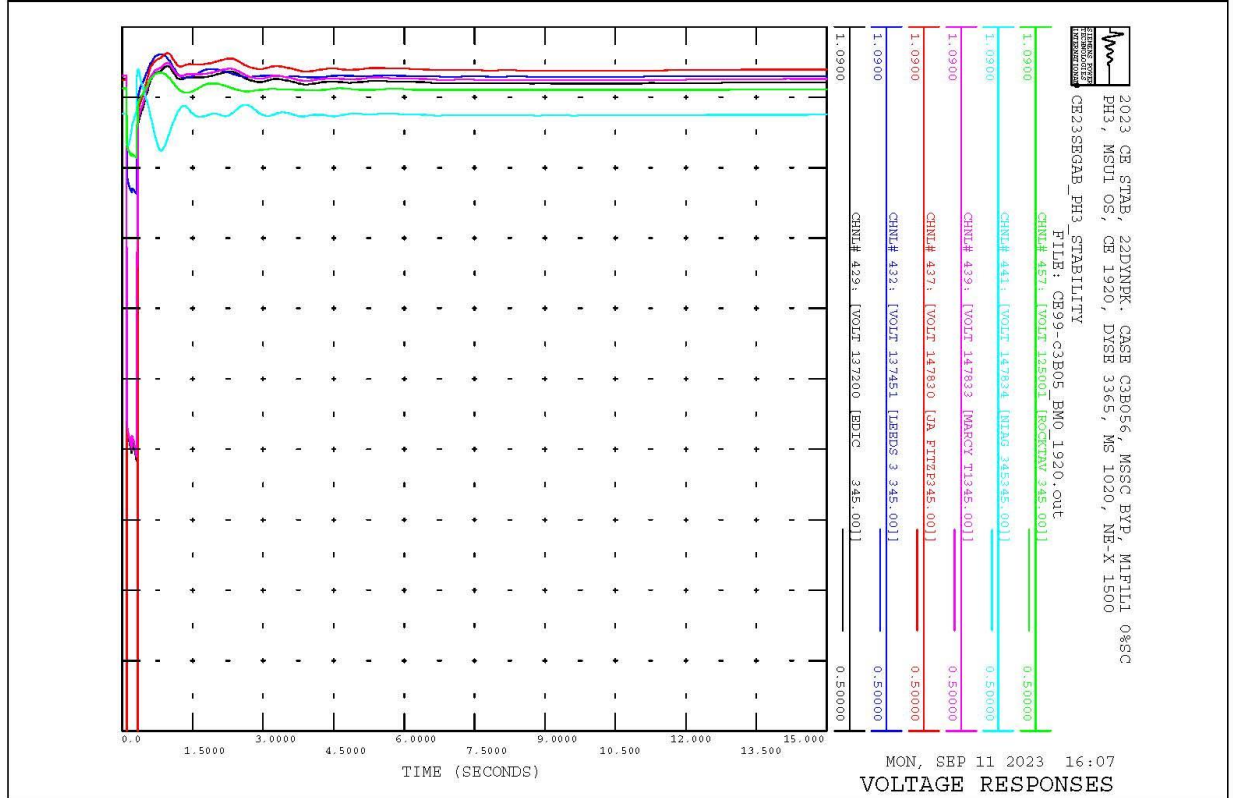
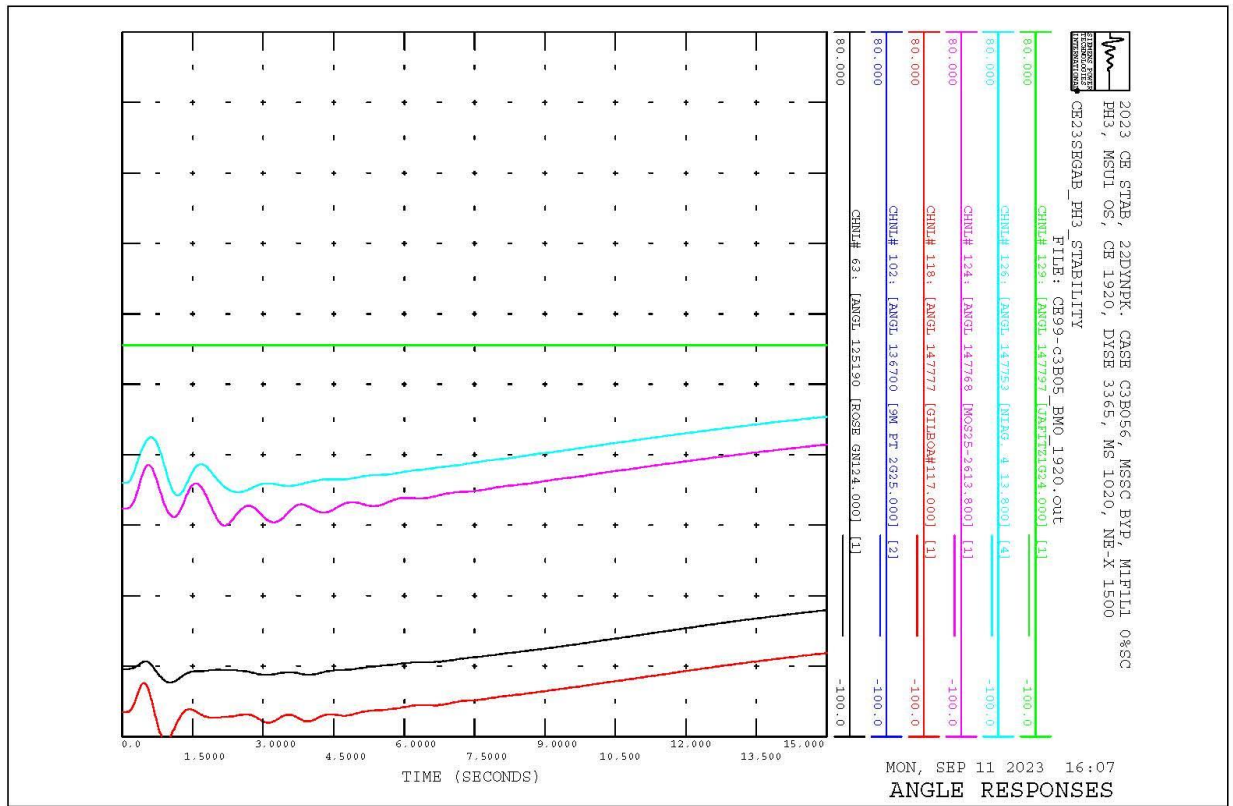


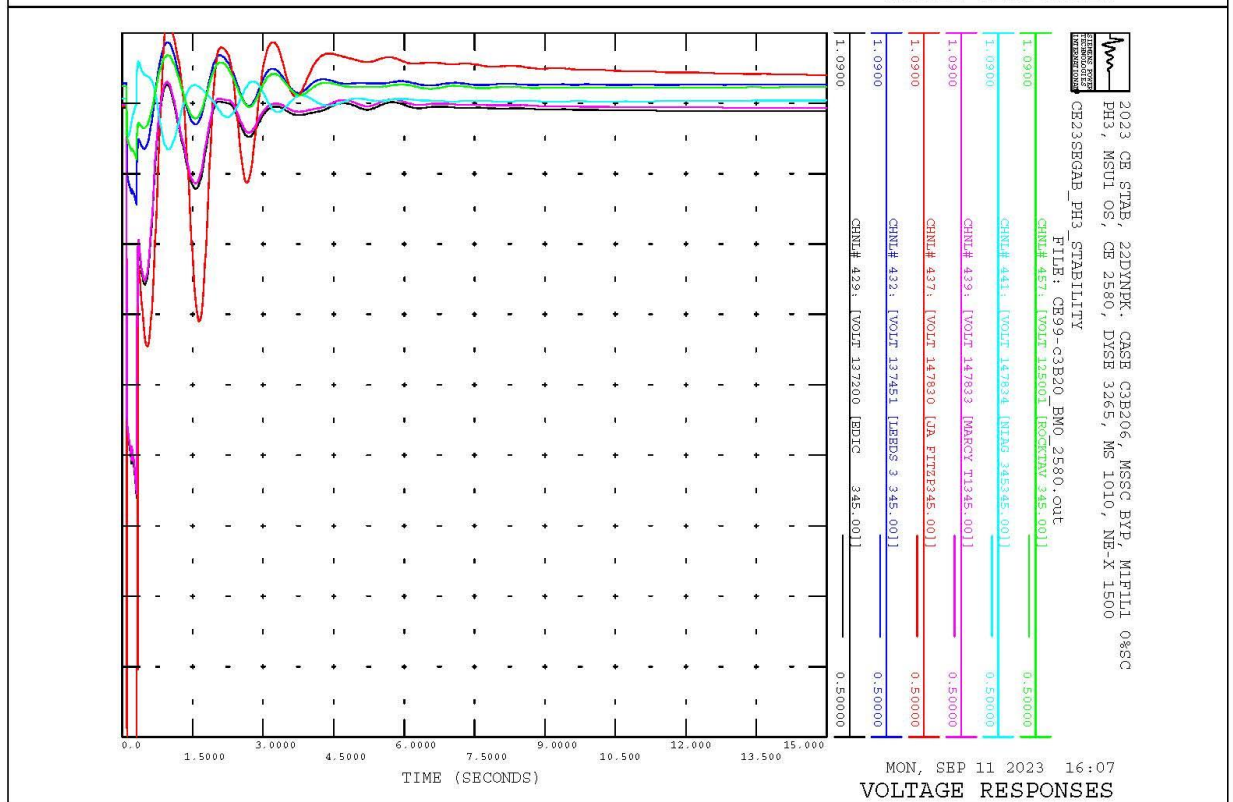
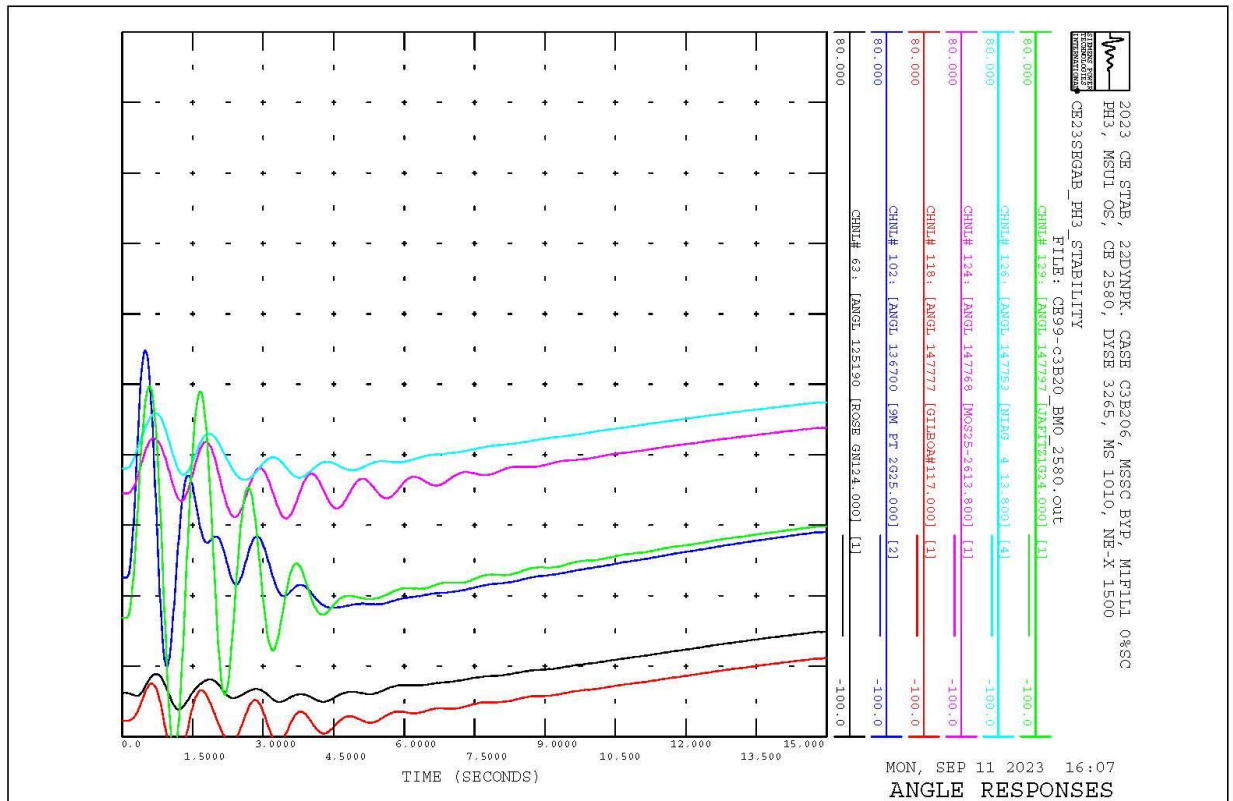


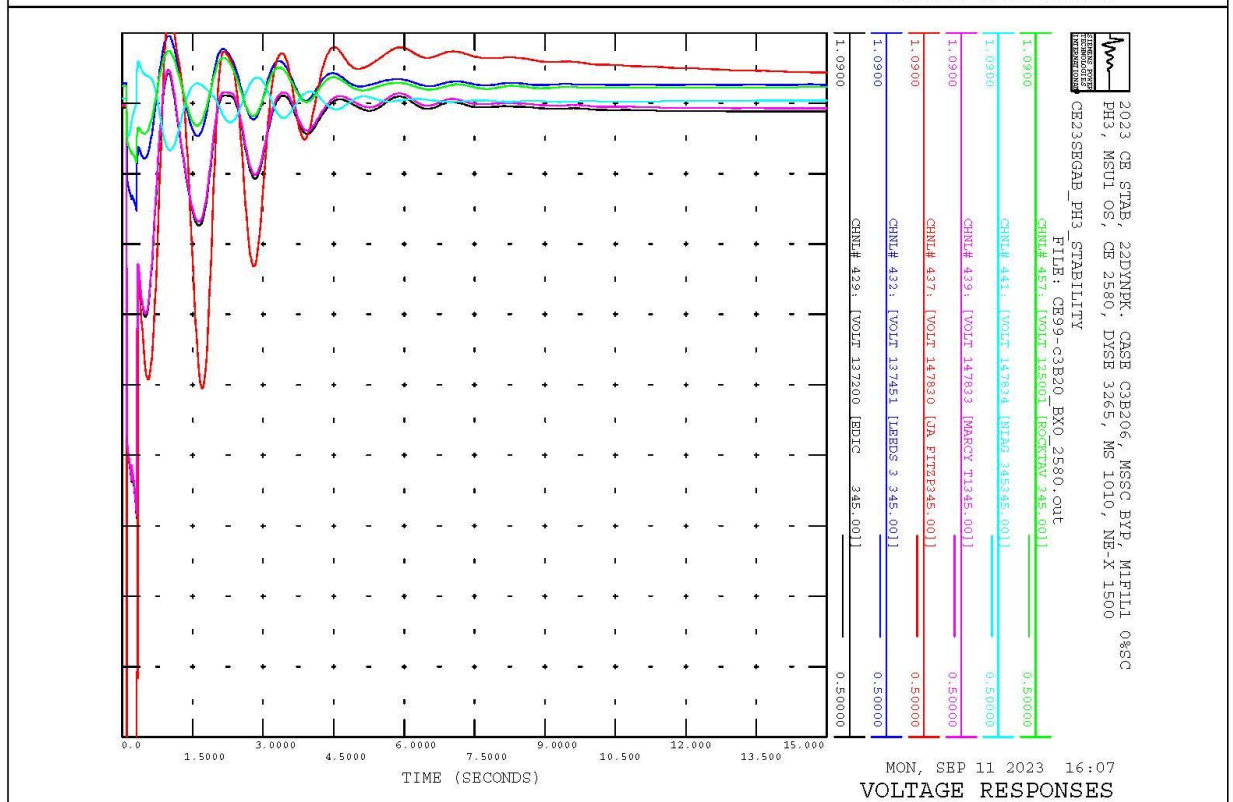
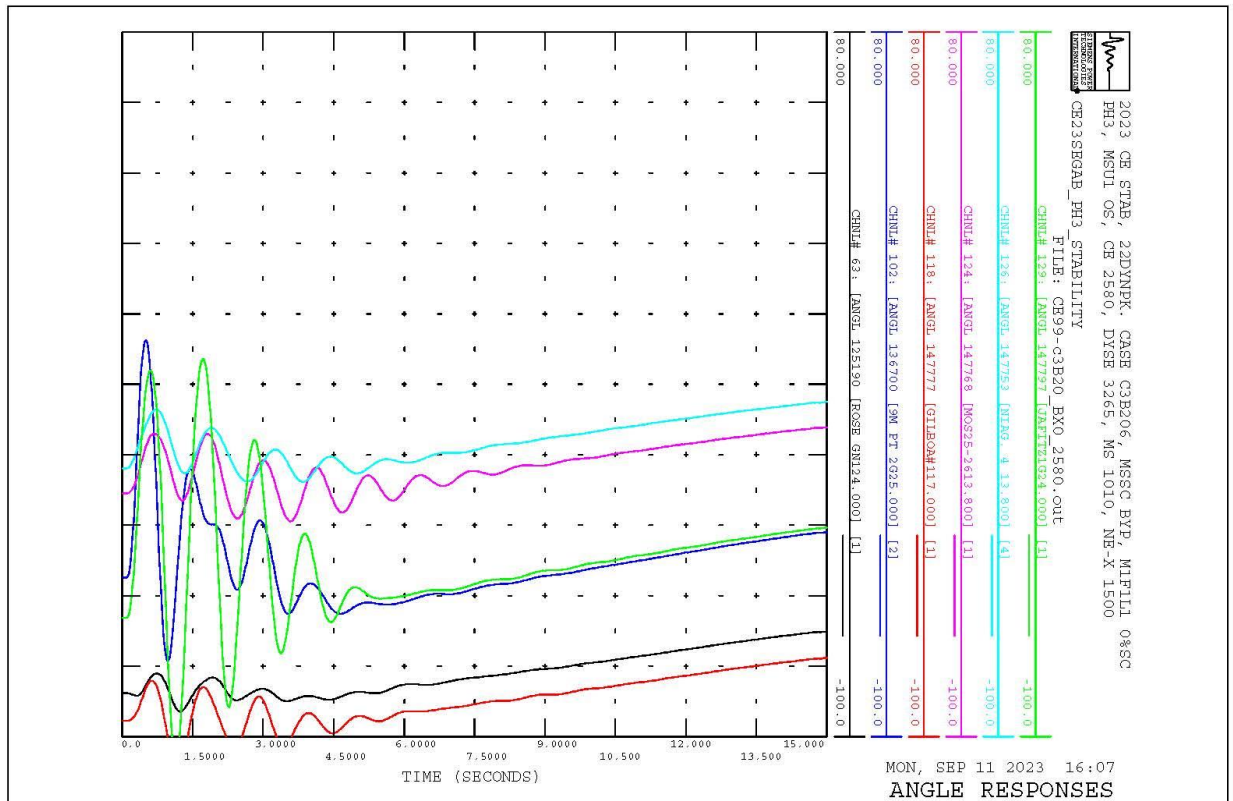
Appendix B: Massena – Marcy (MSU1) 765 kV Out of Service

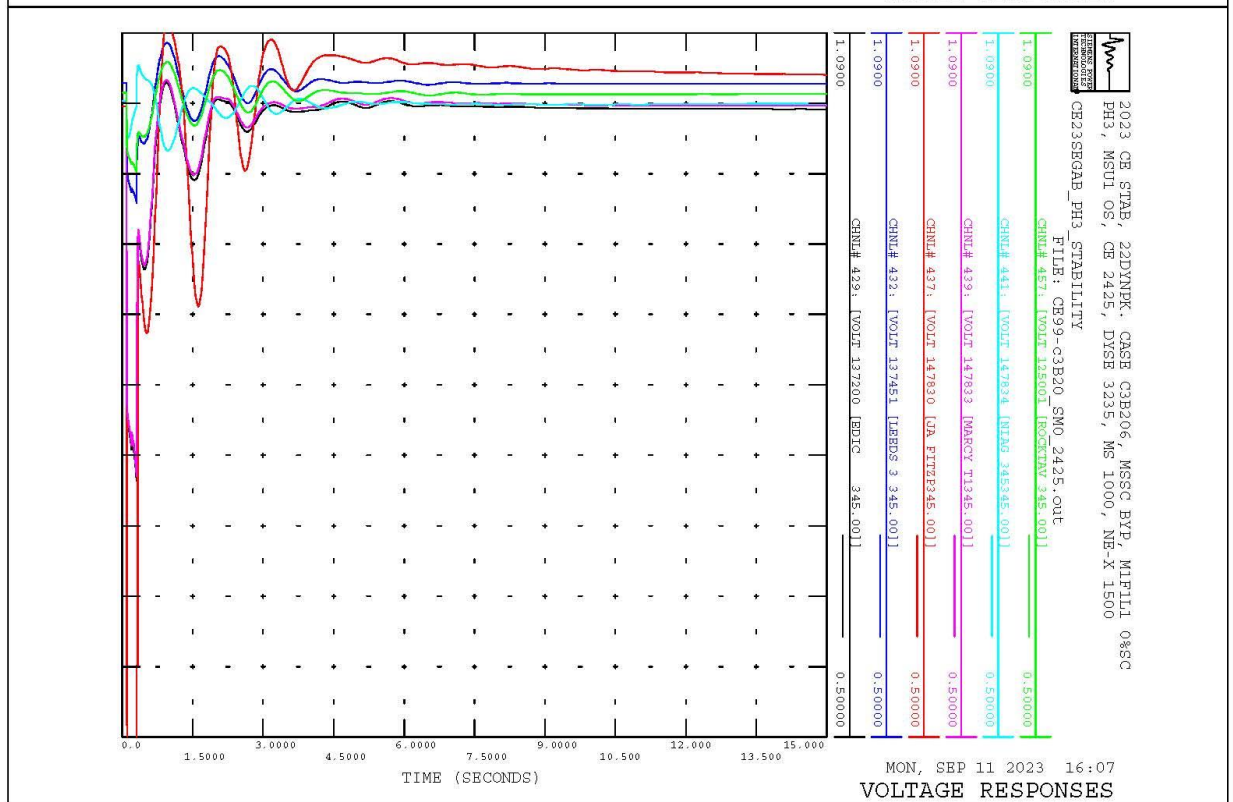
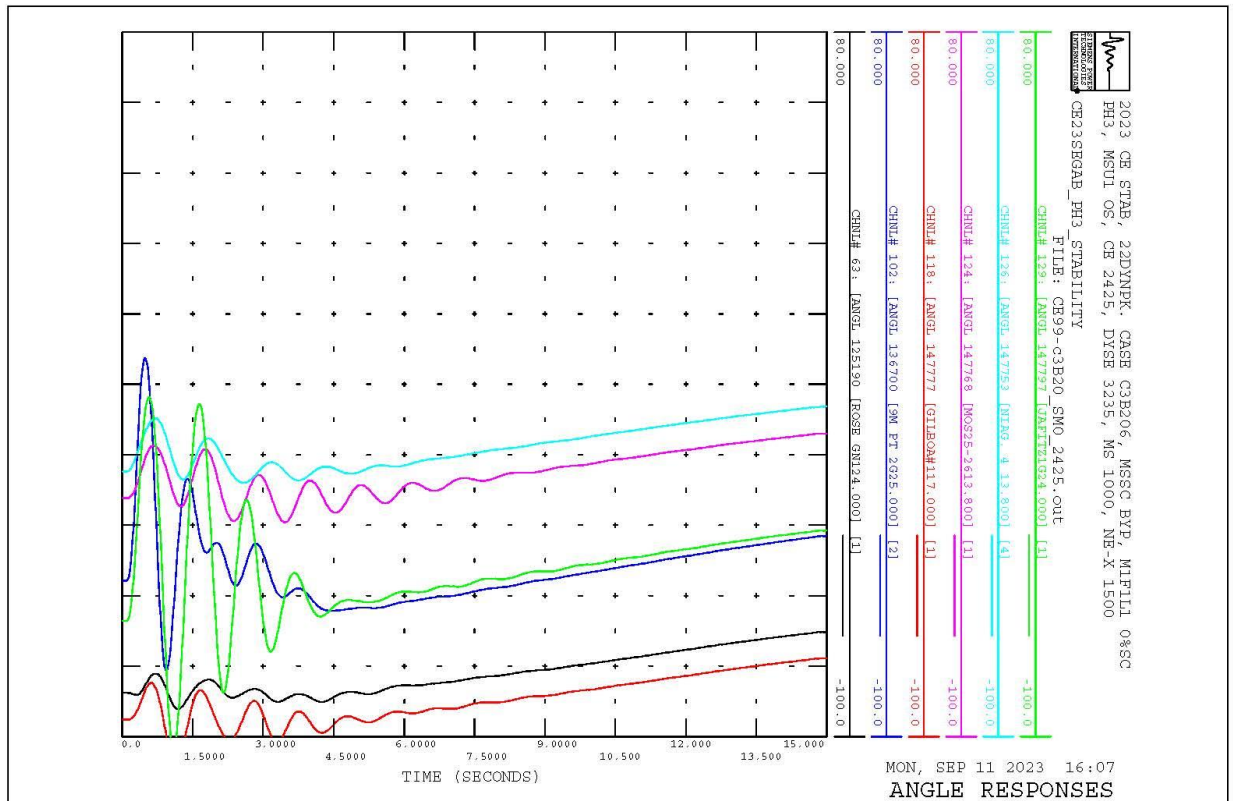


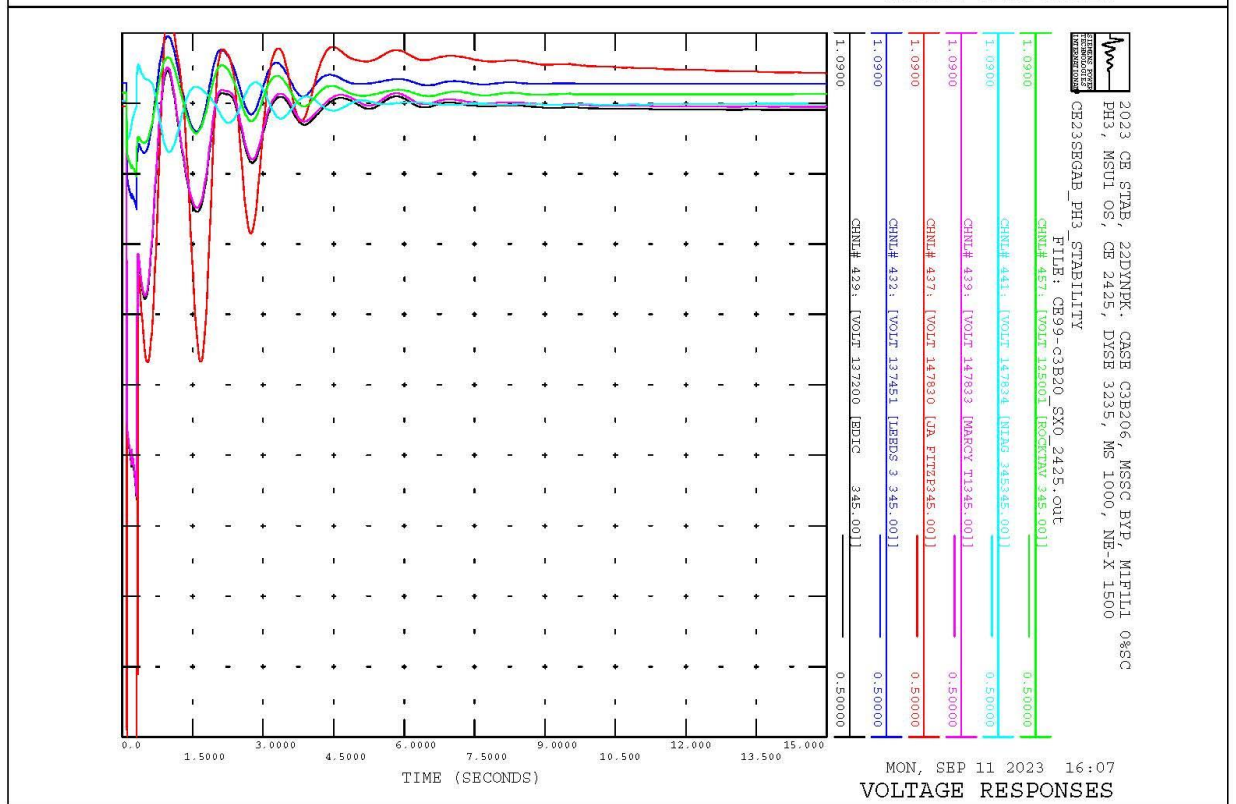
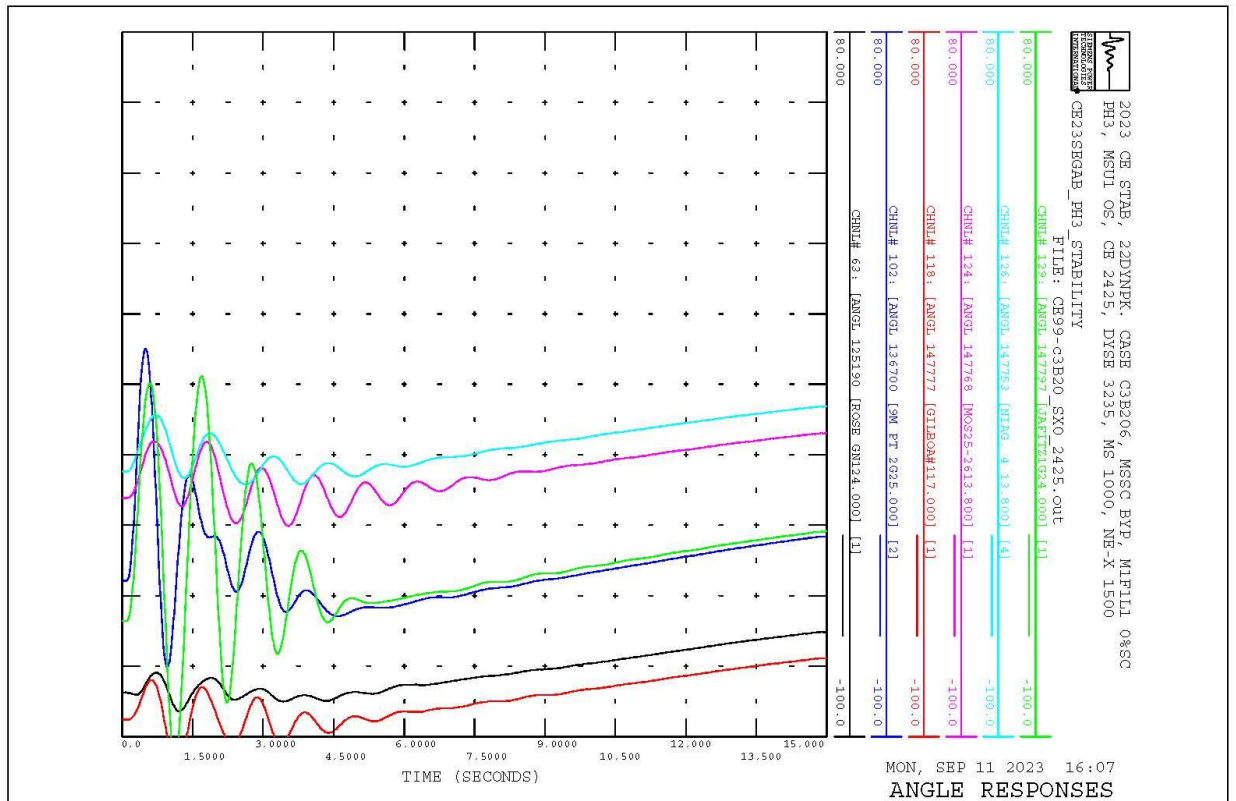


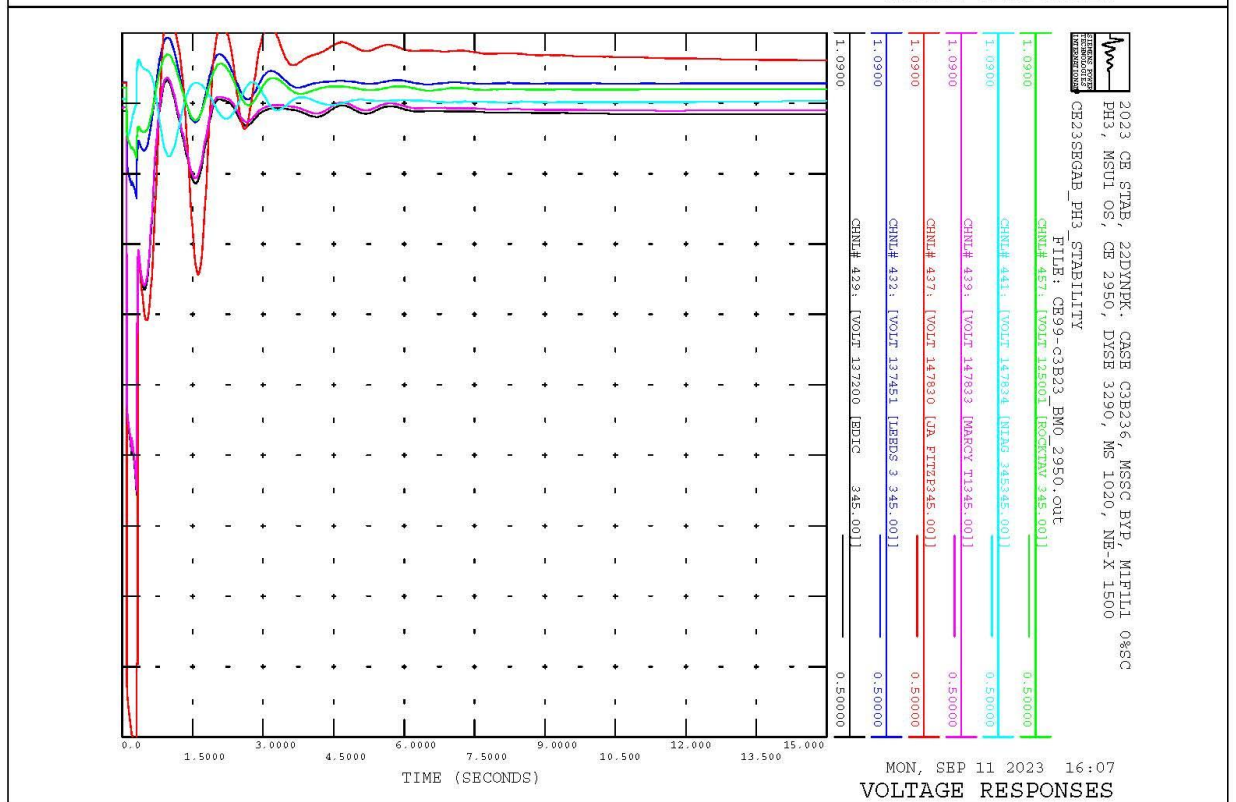
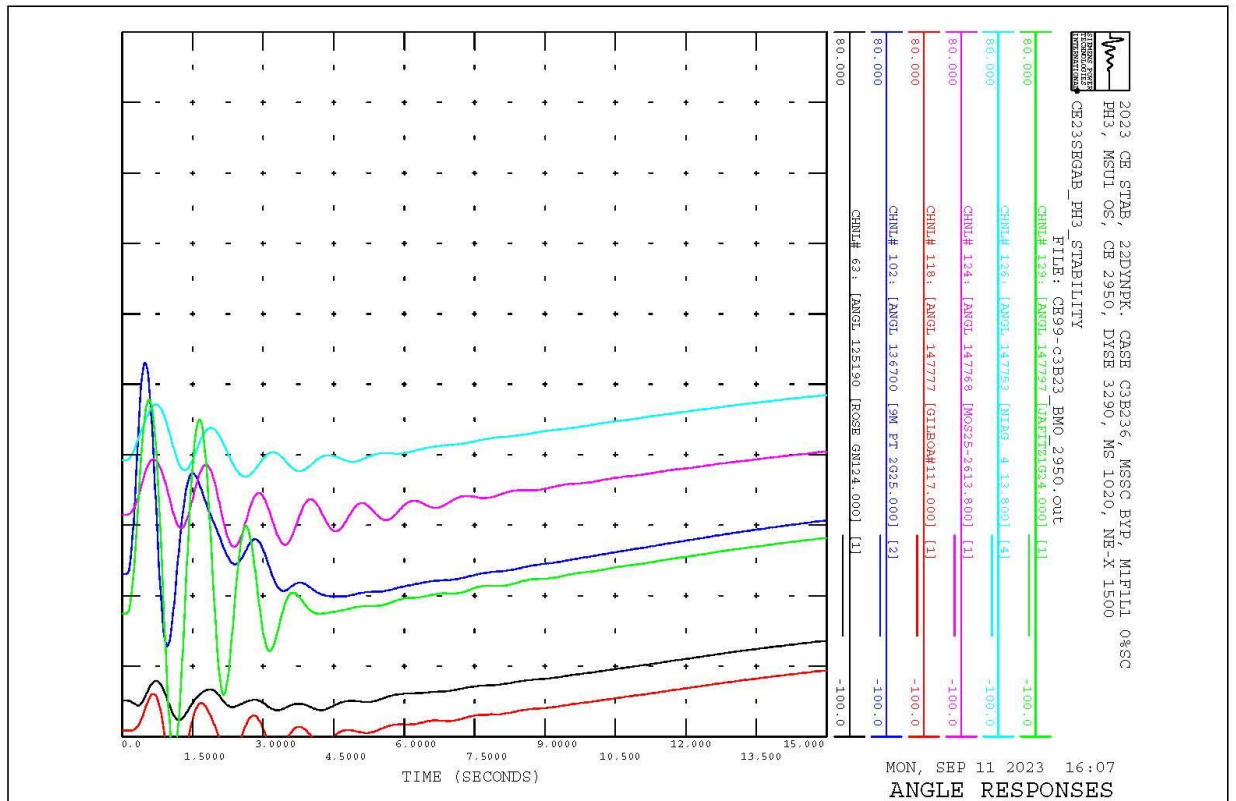


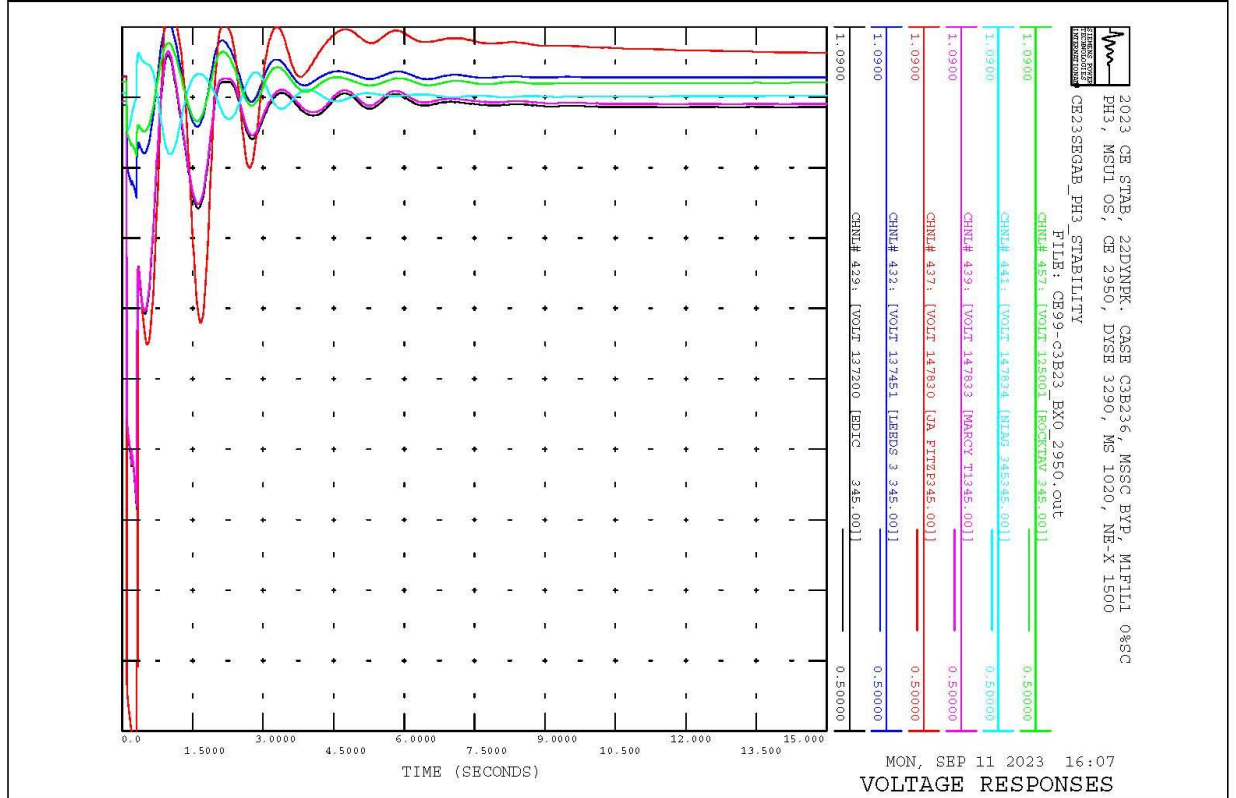
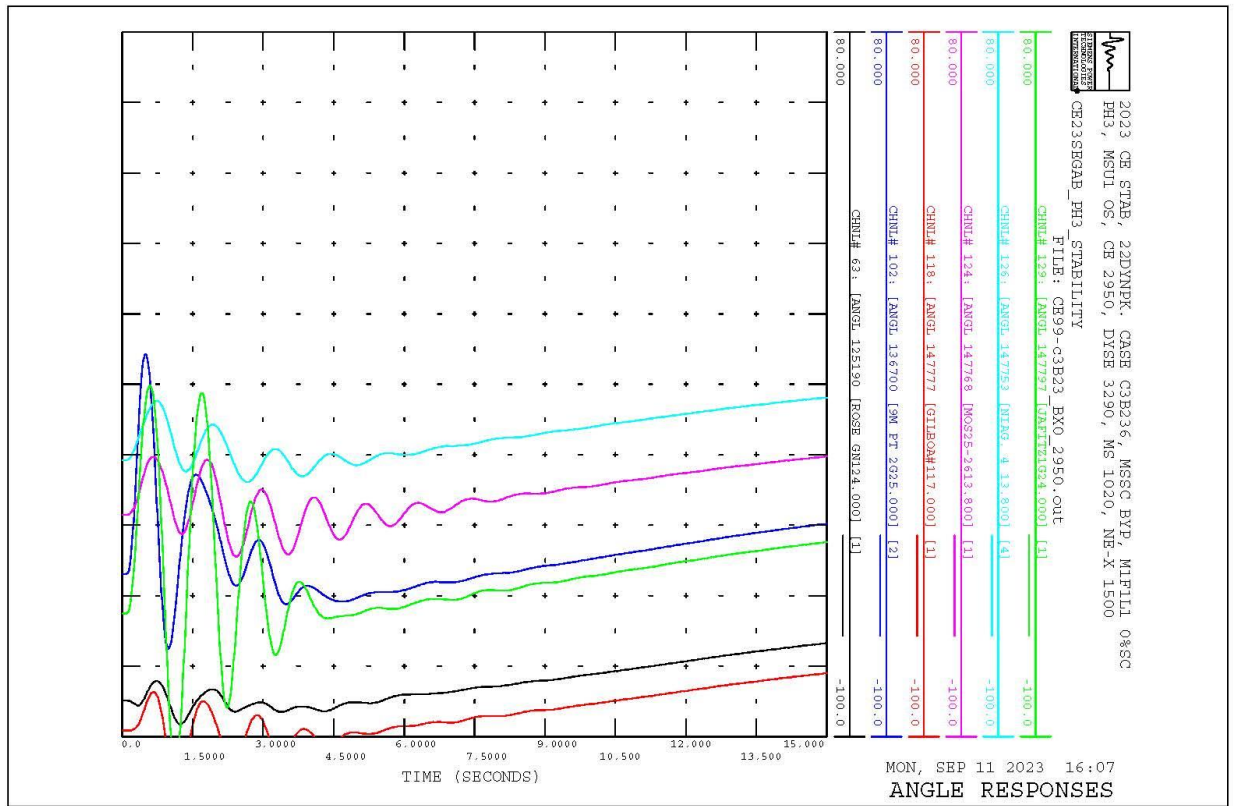


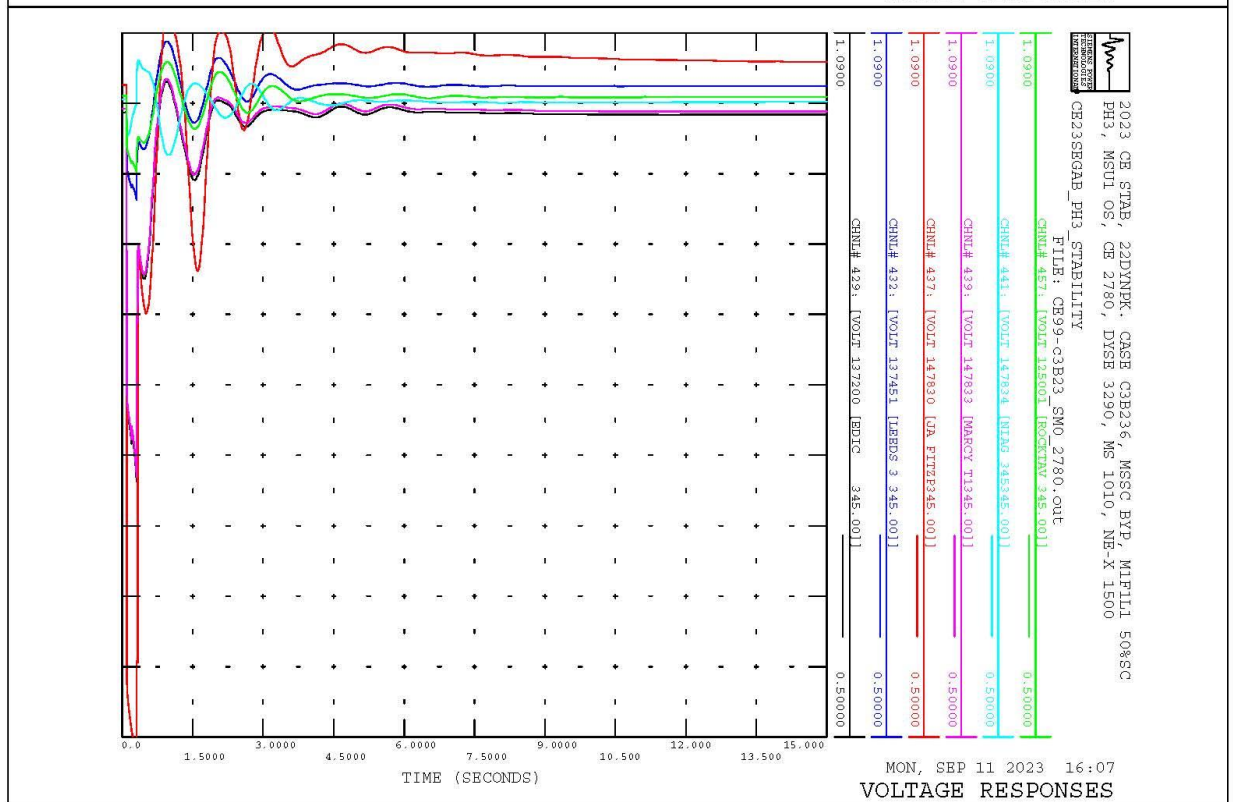
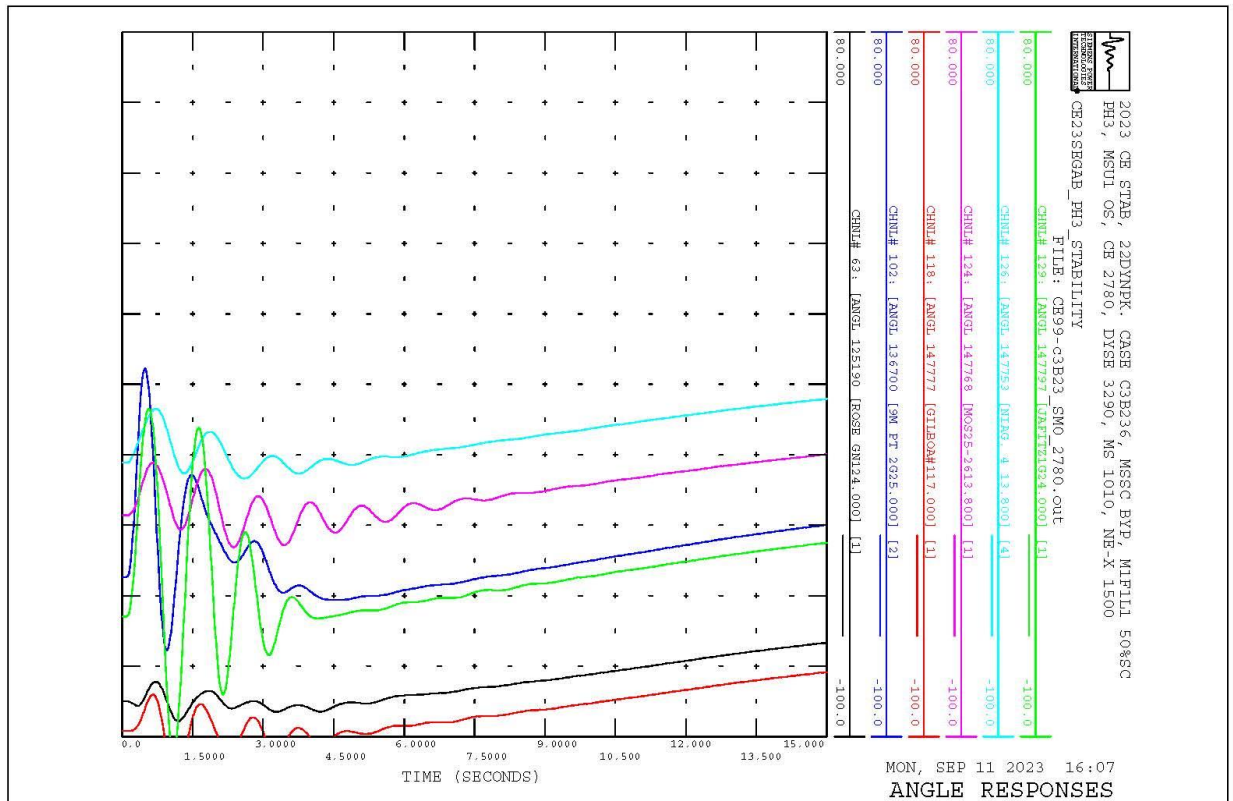


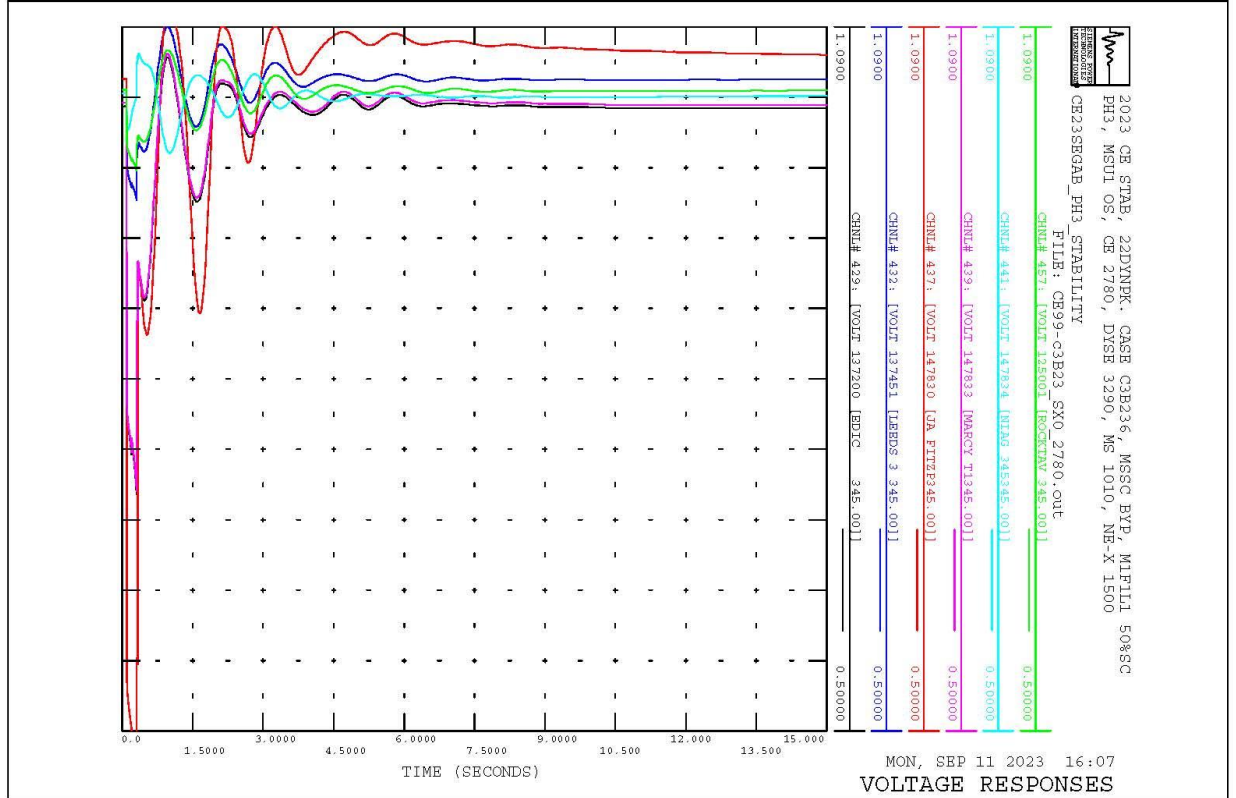
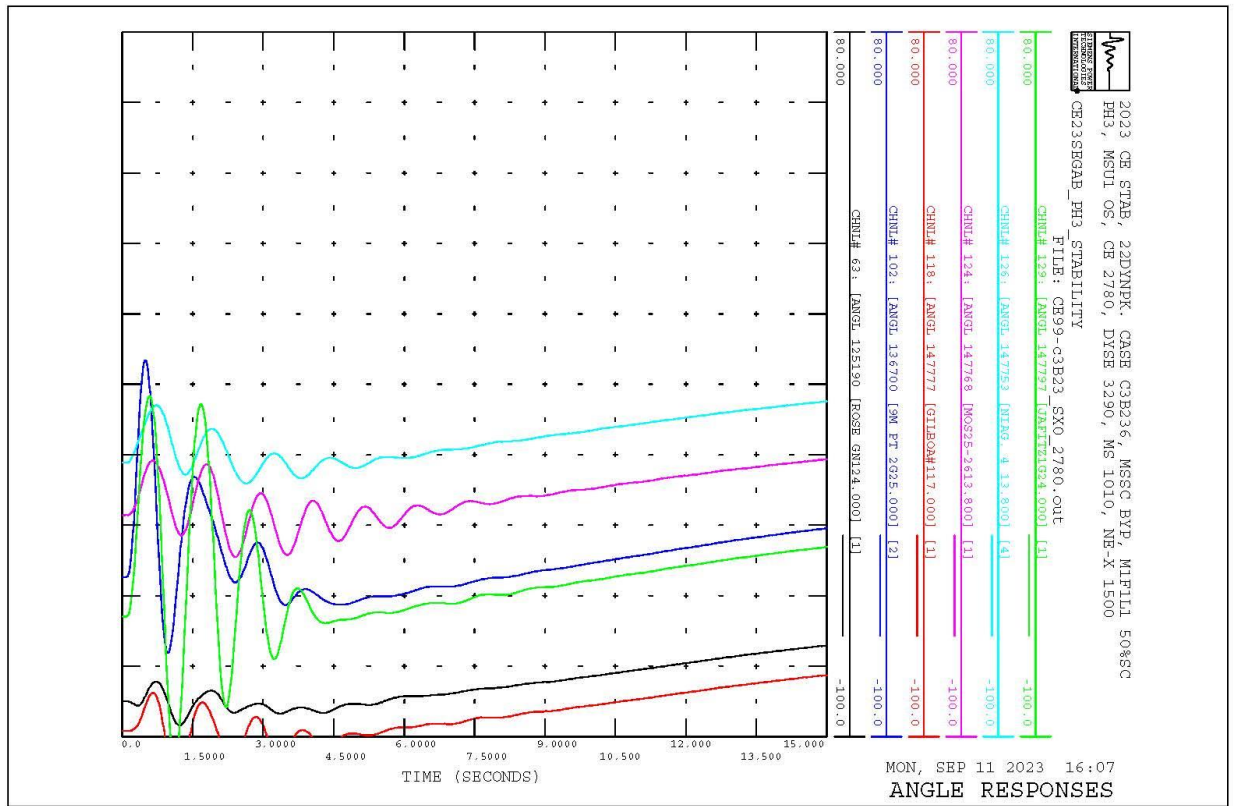


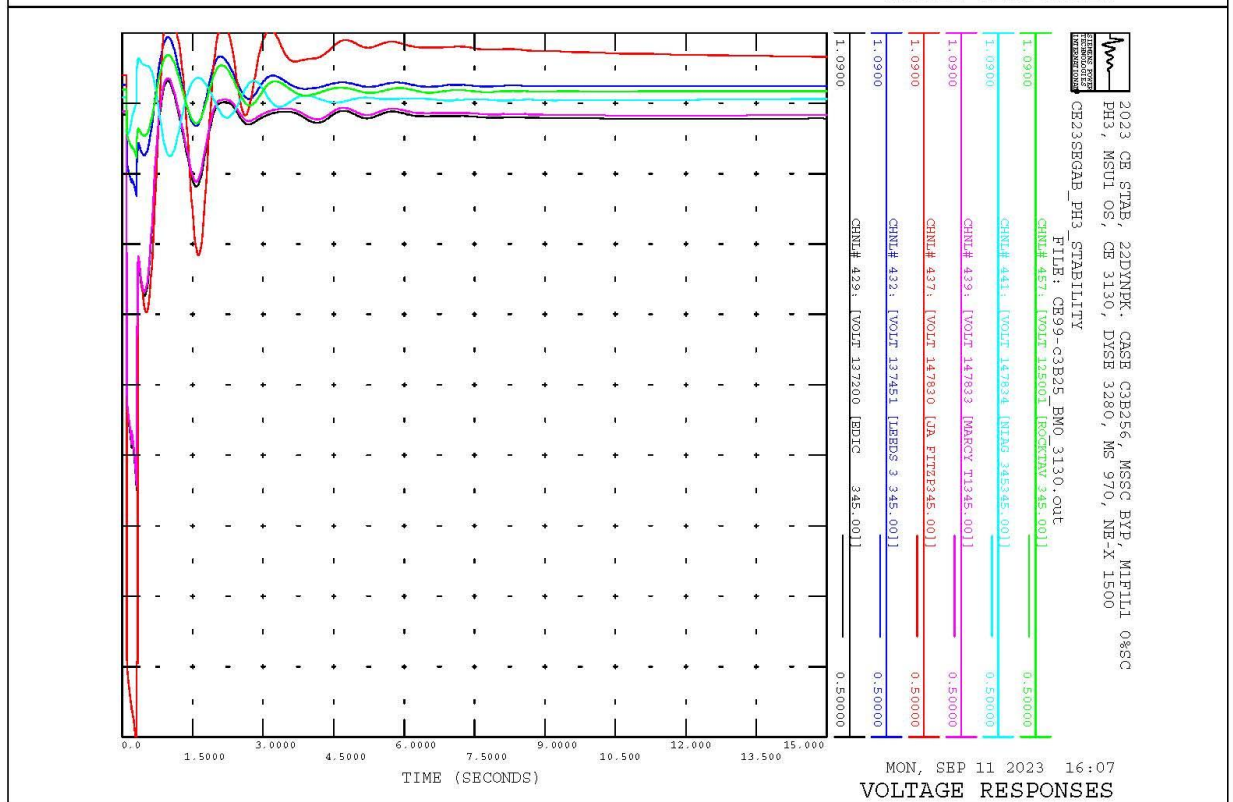
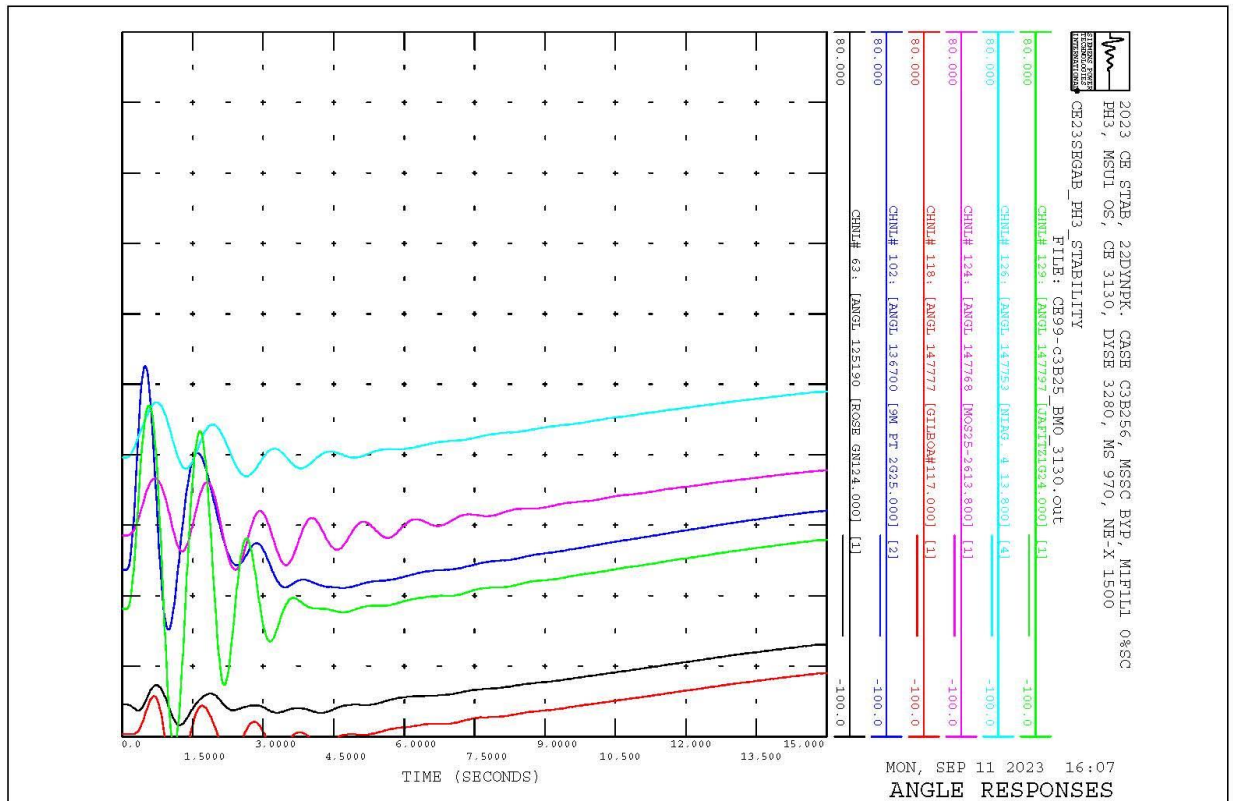


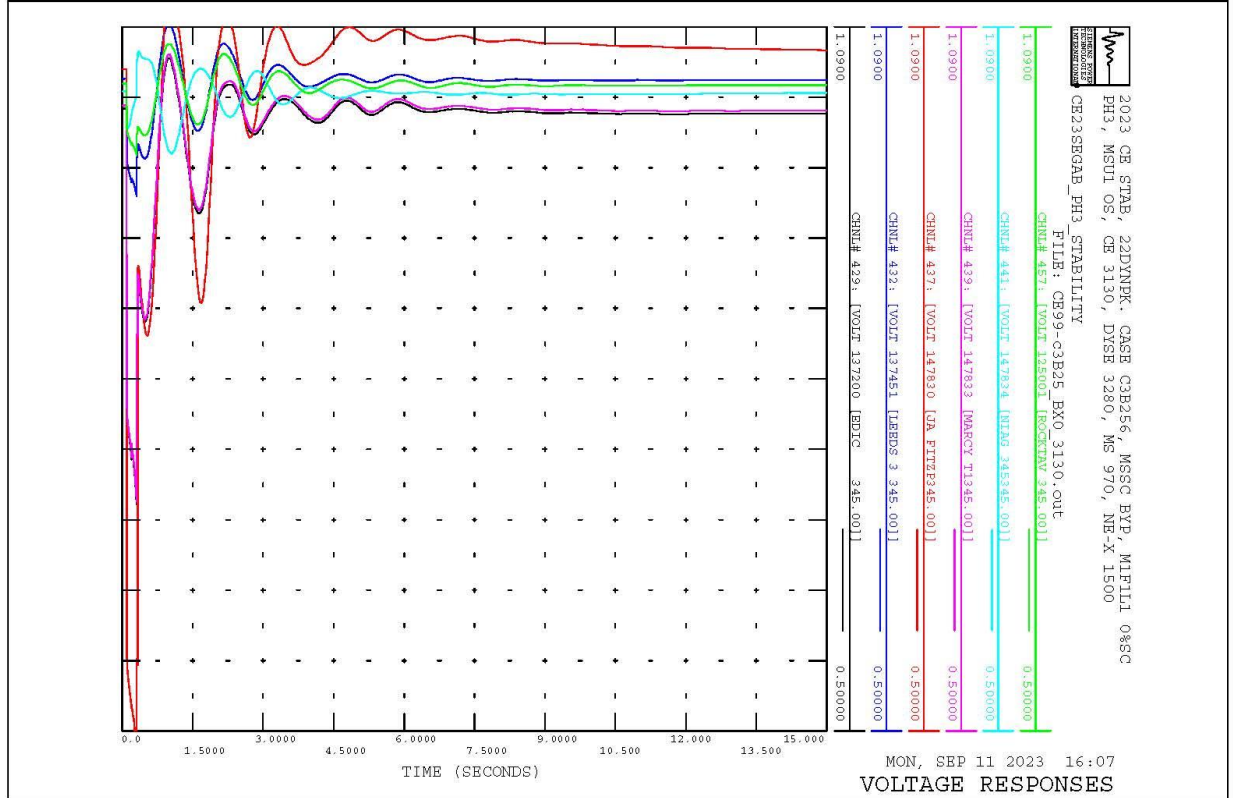
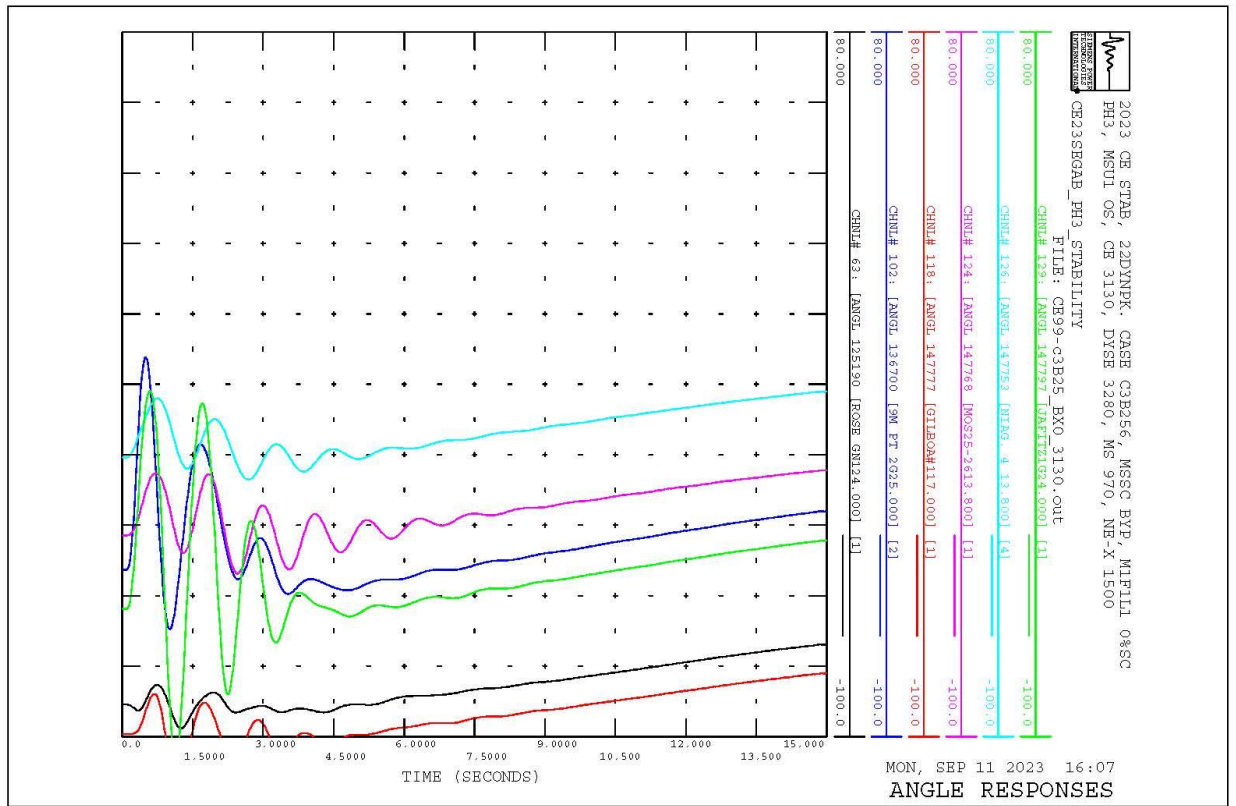


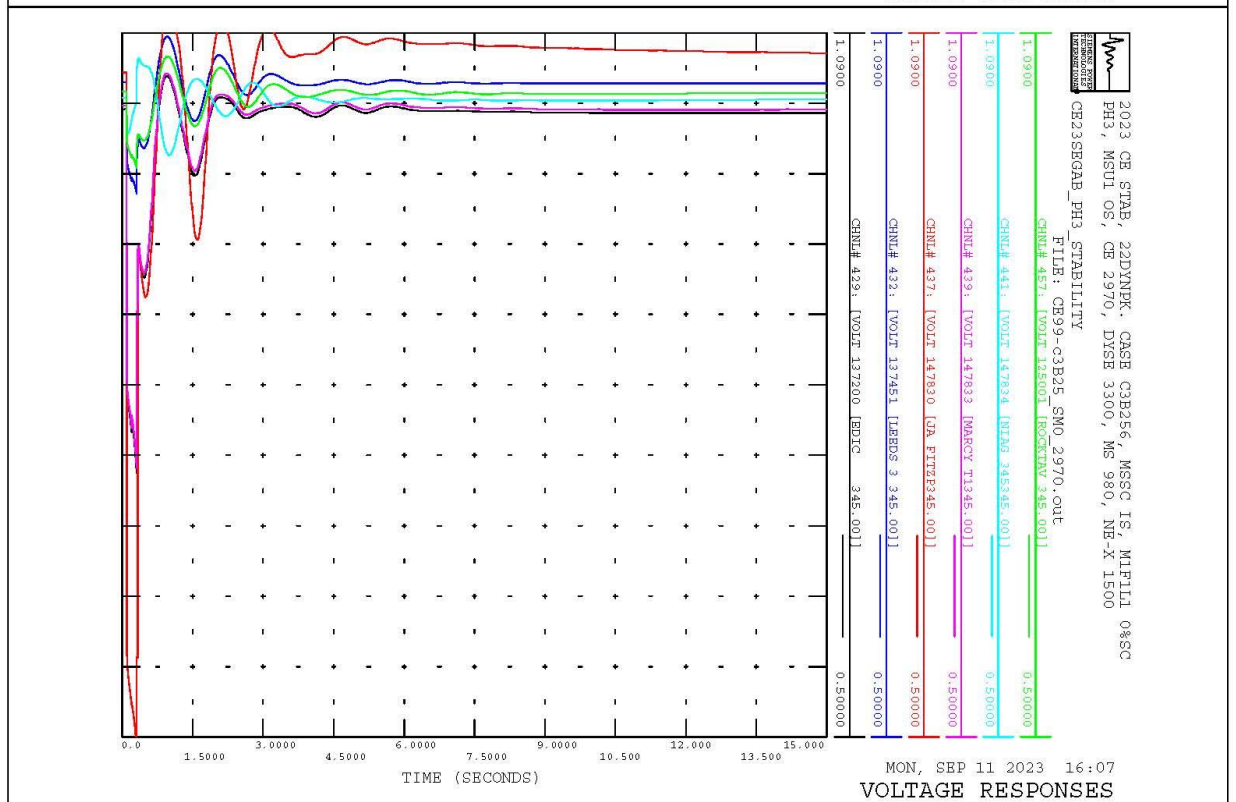
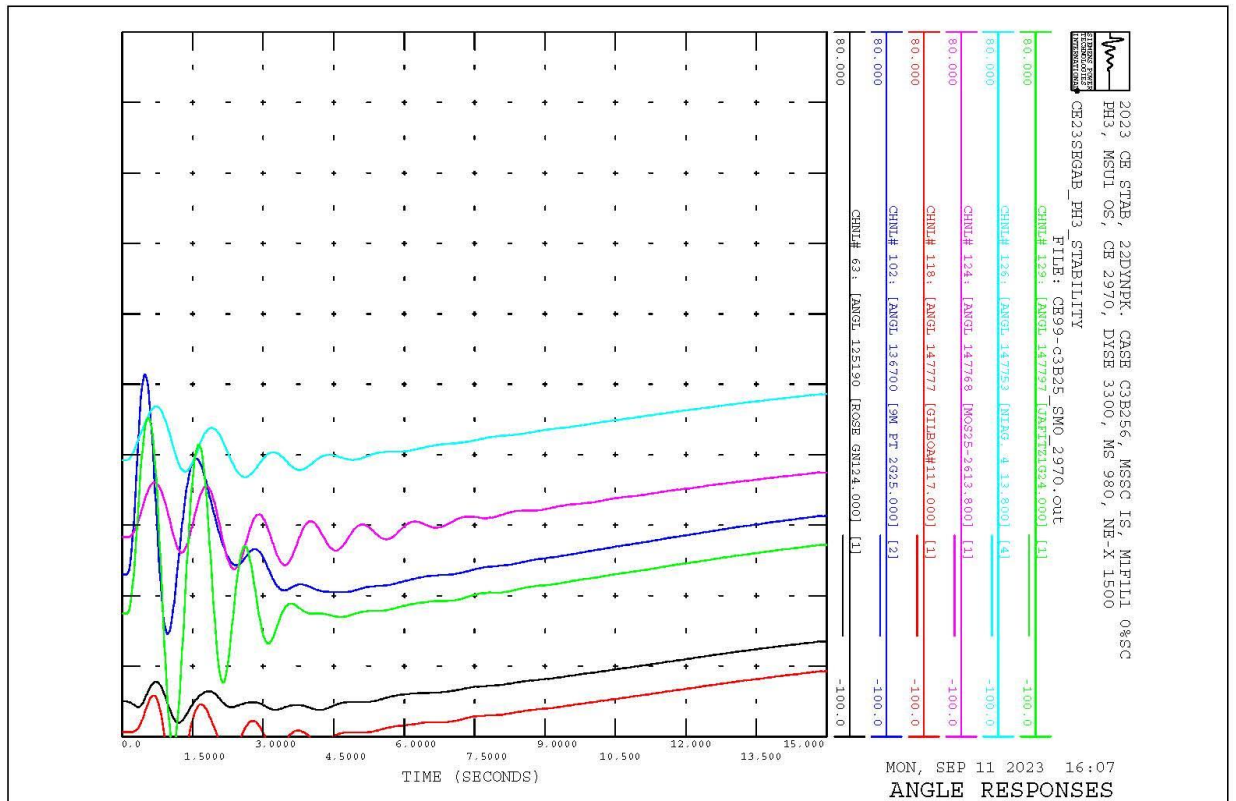


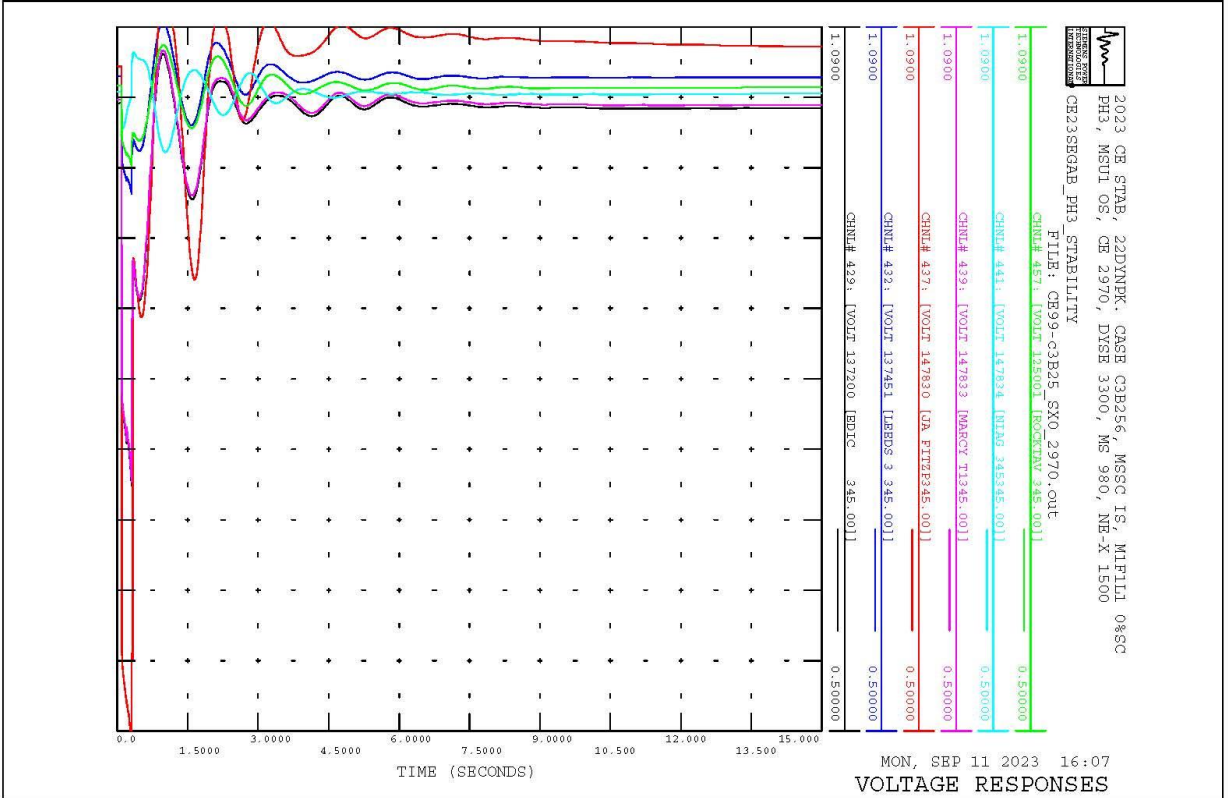
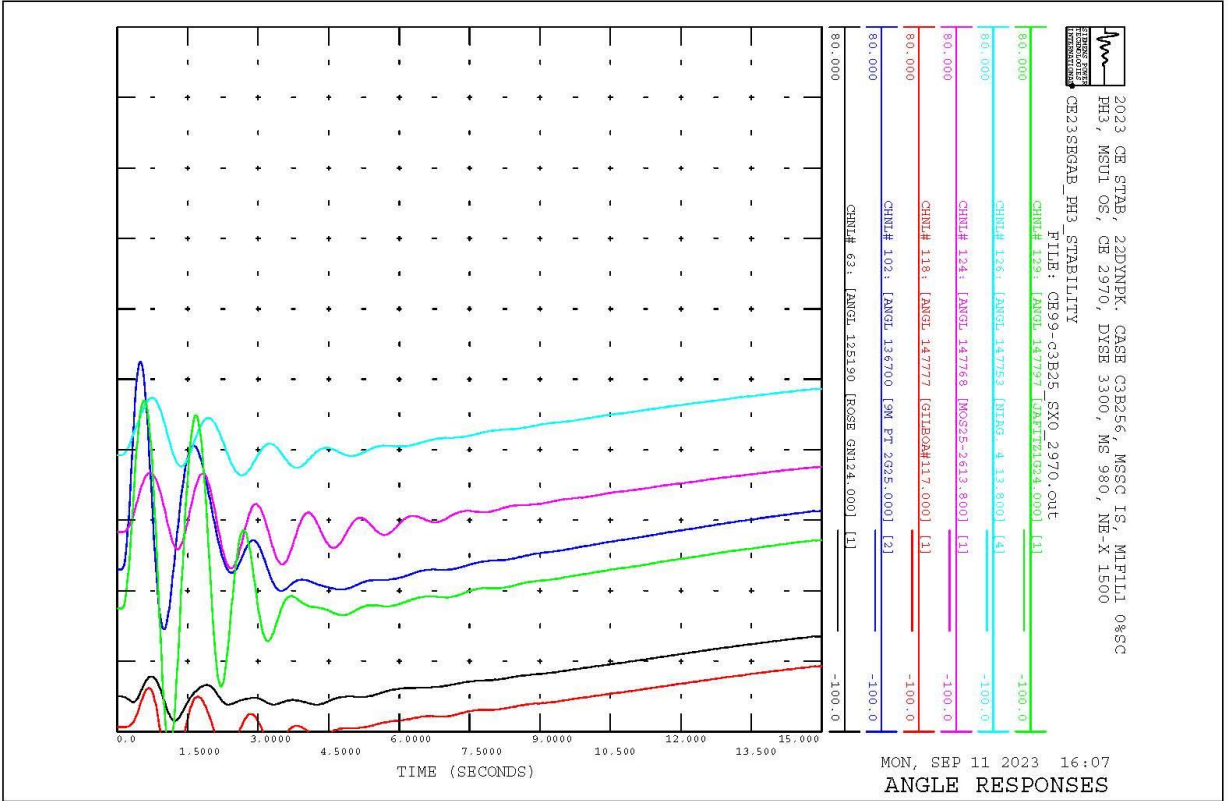


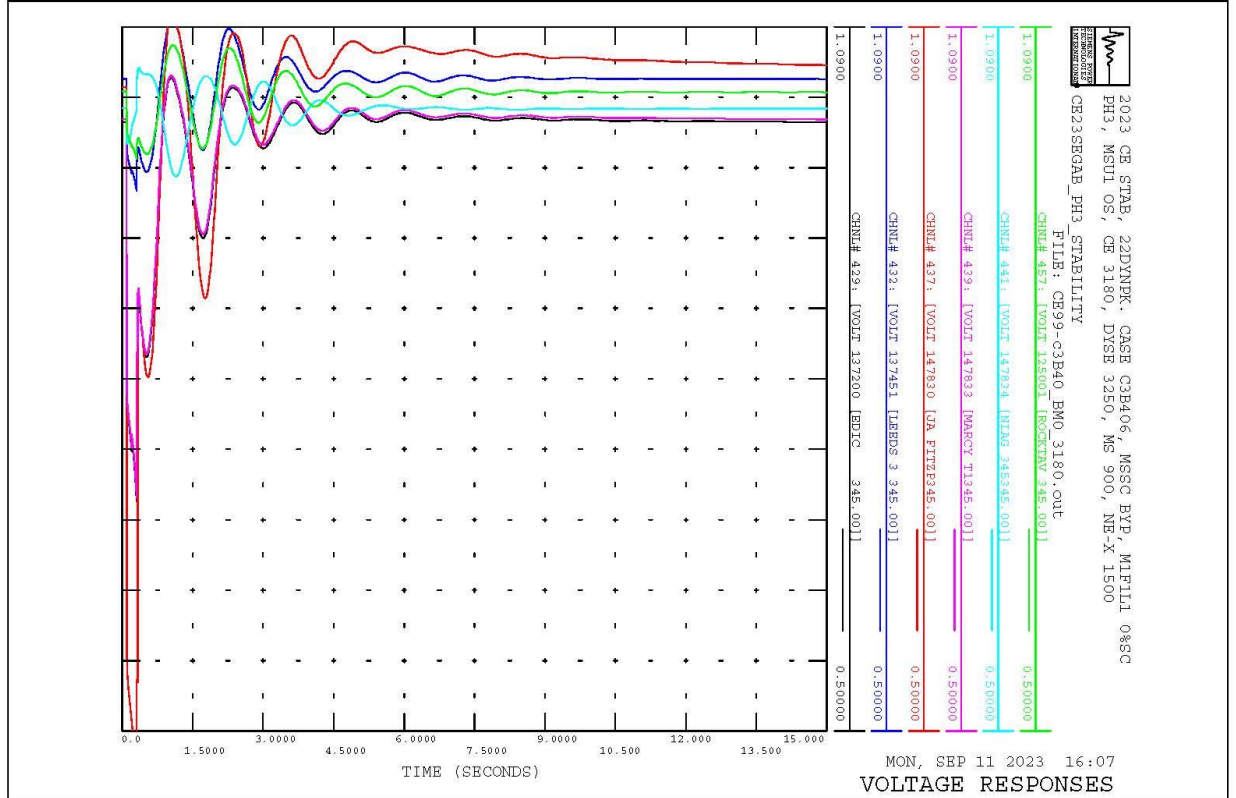
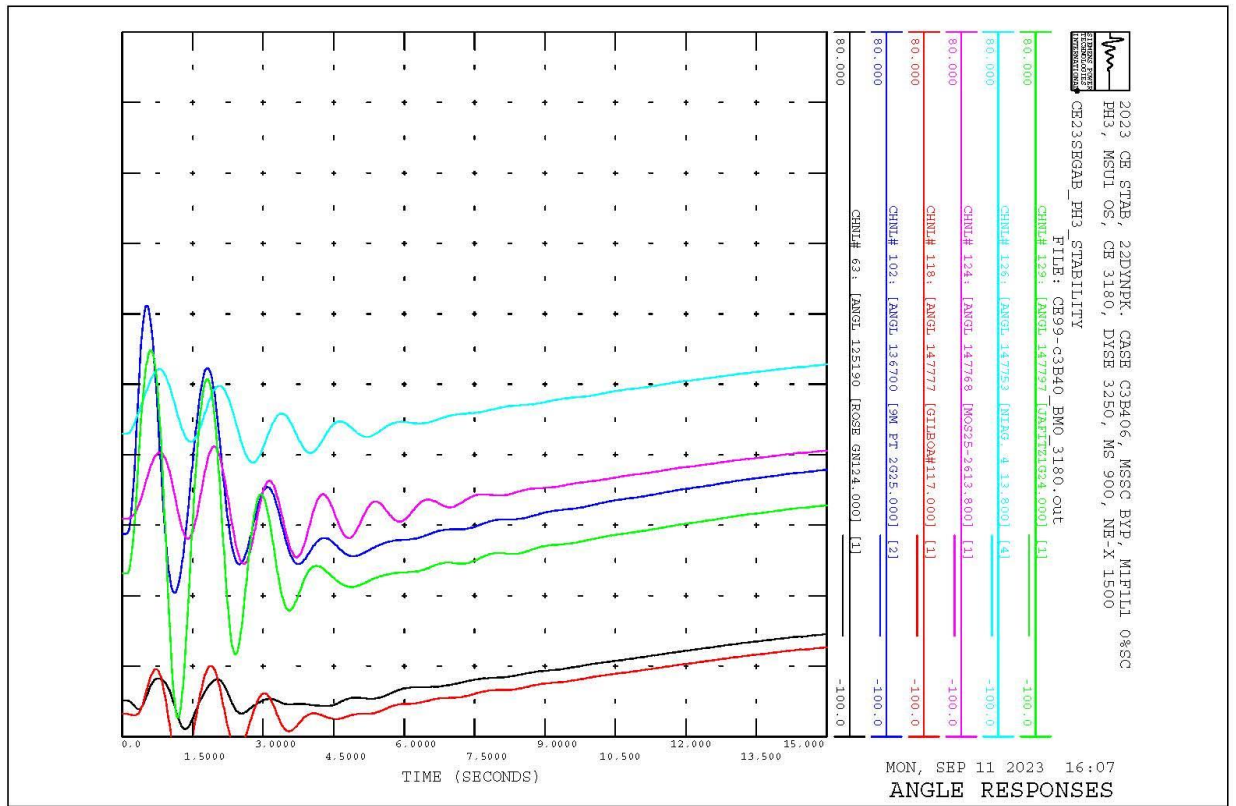


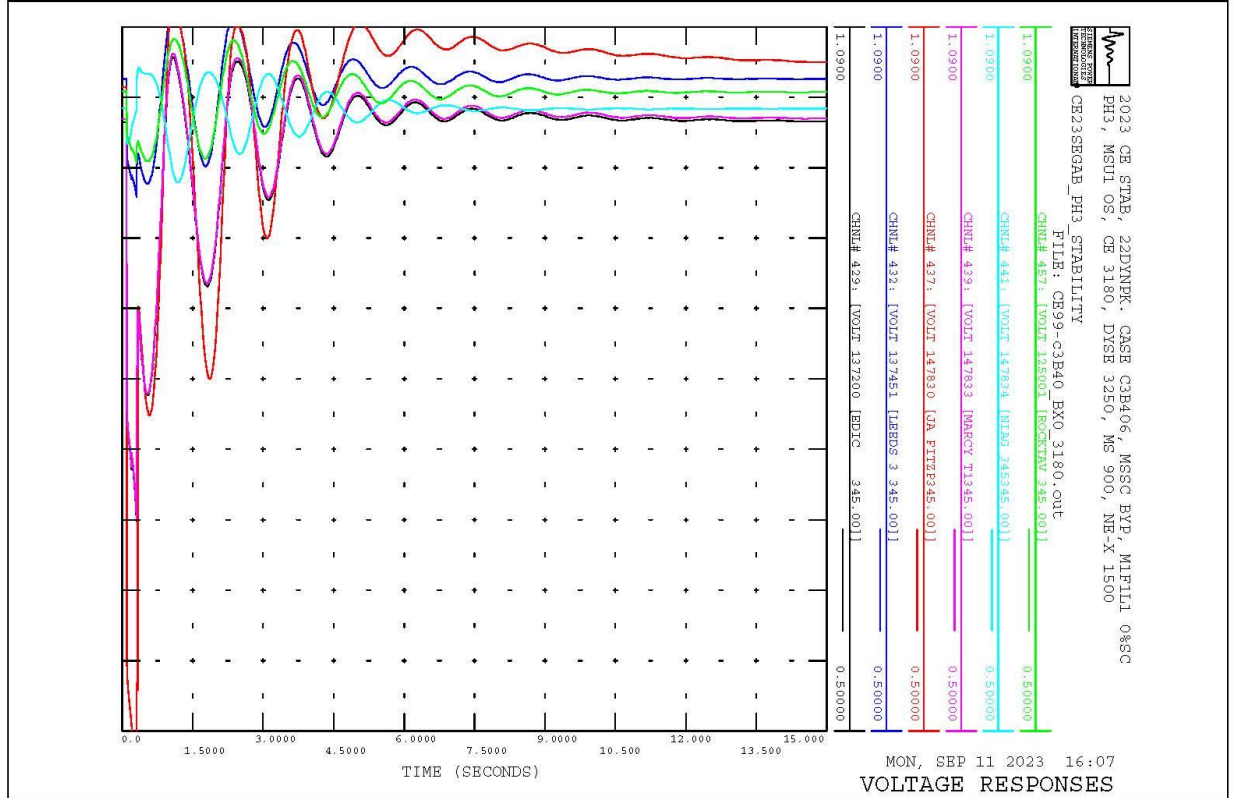
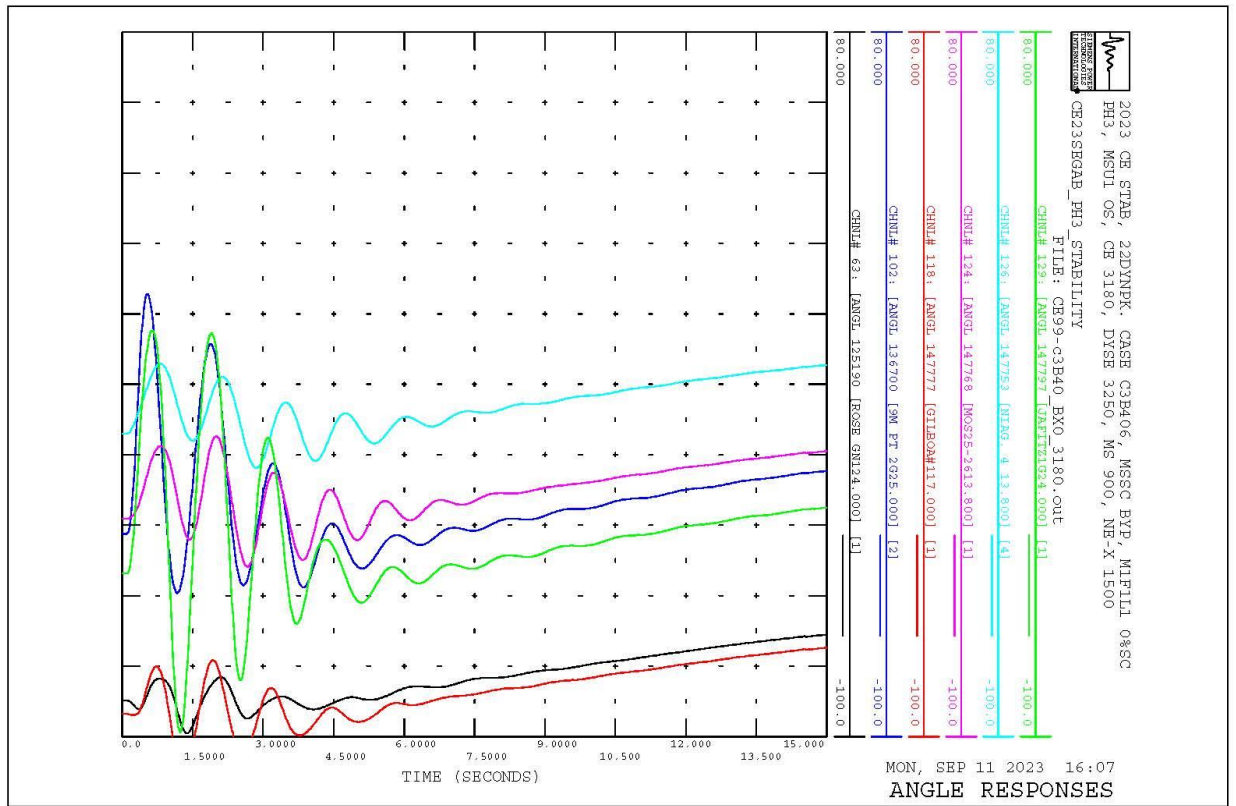


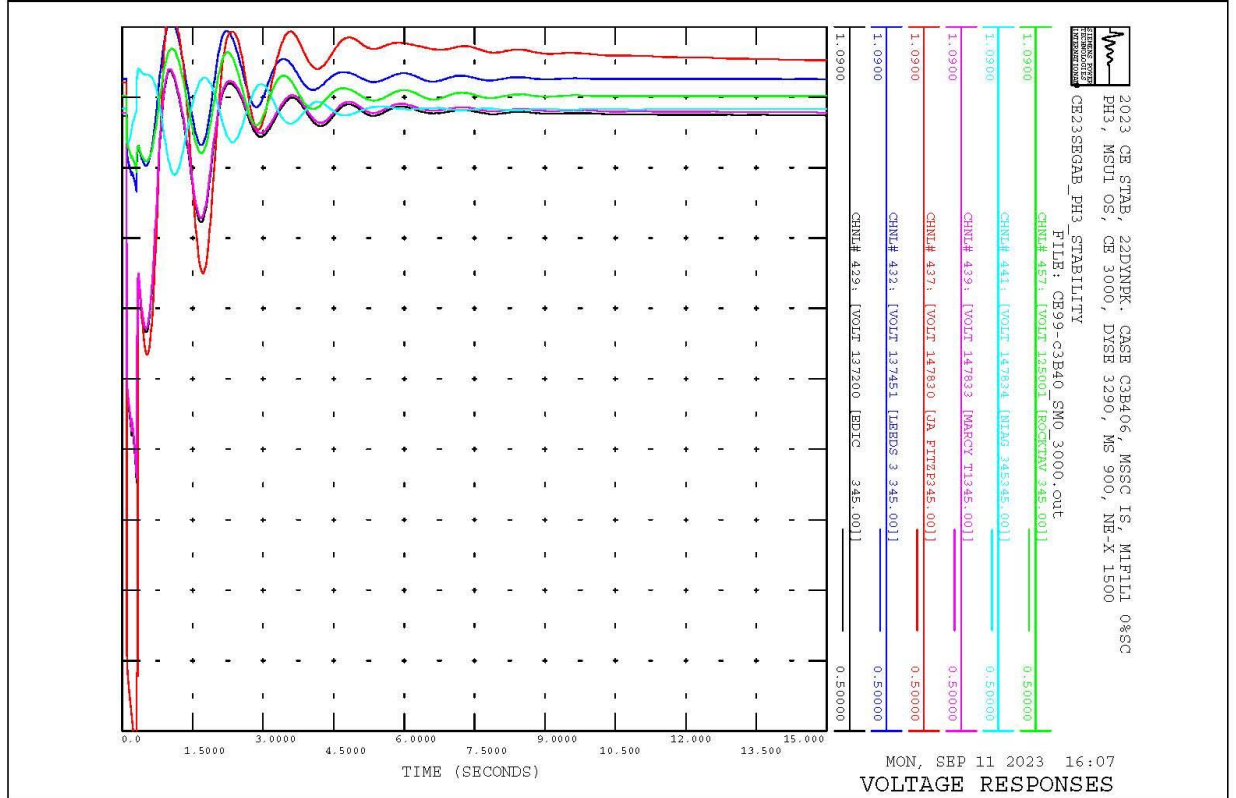
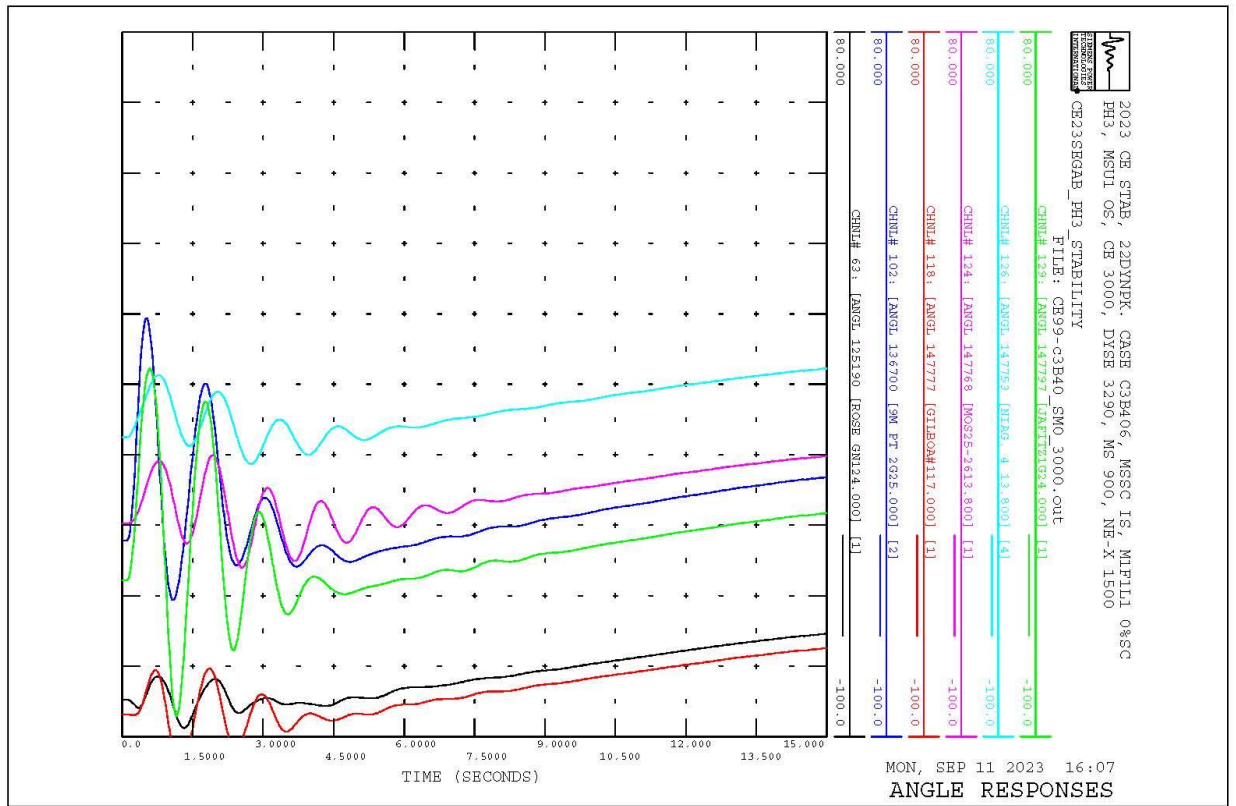


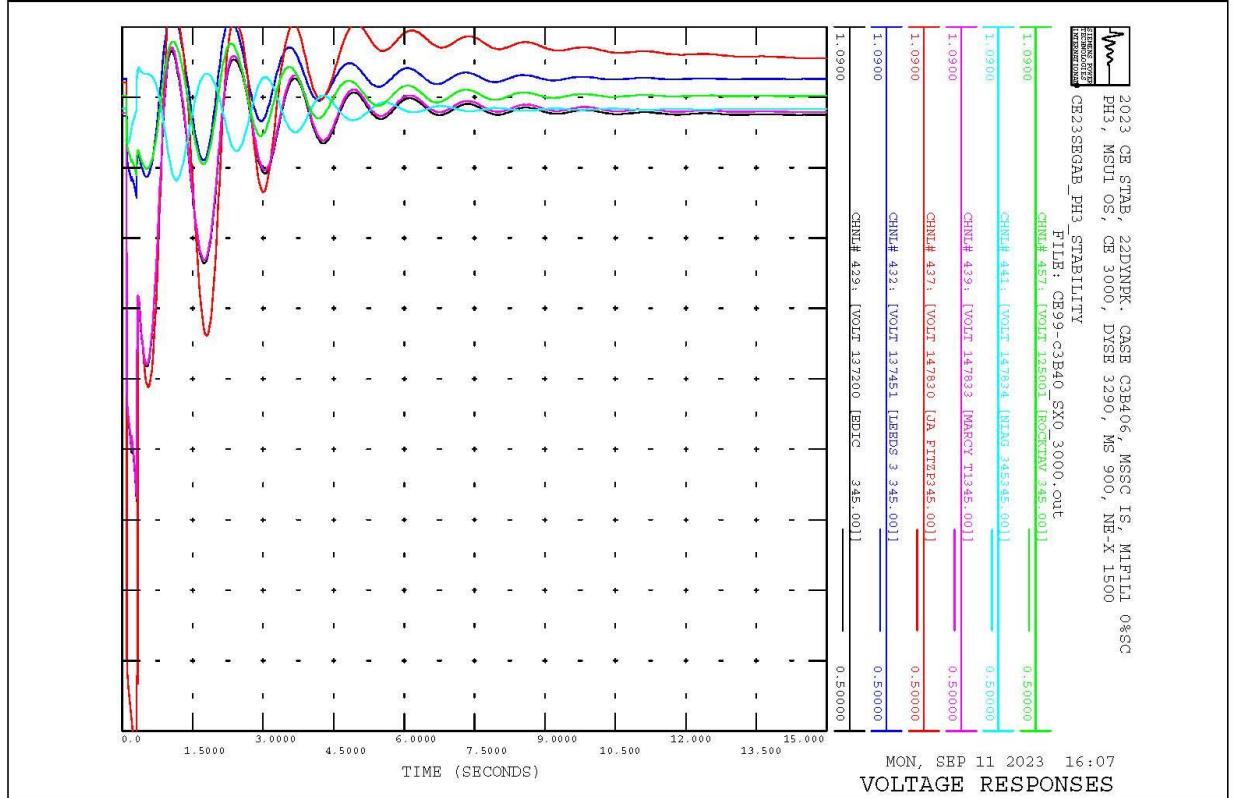
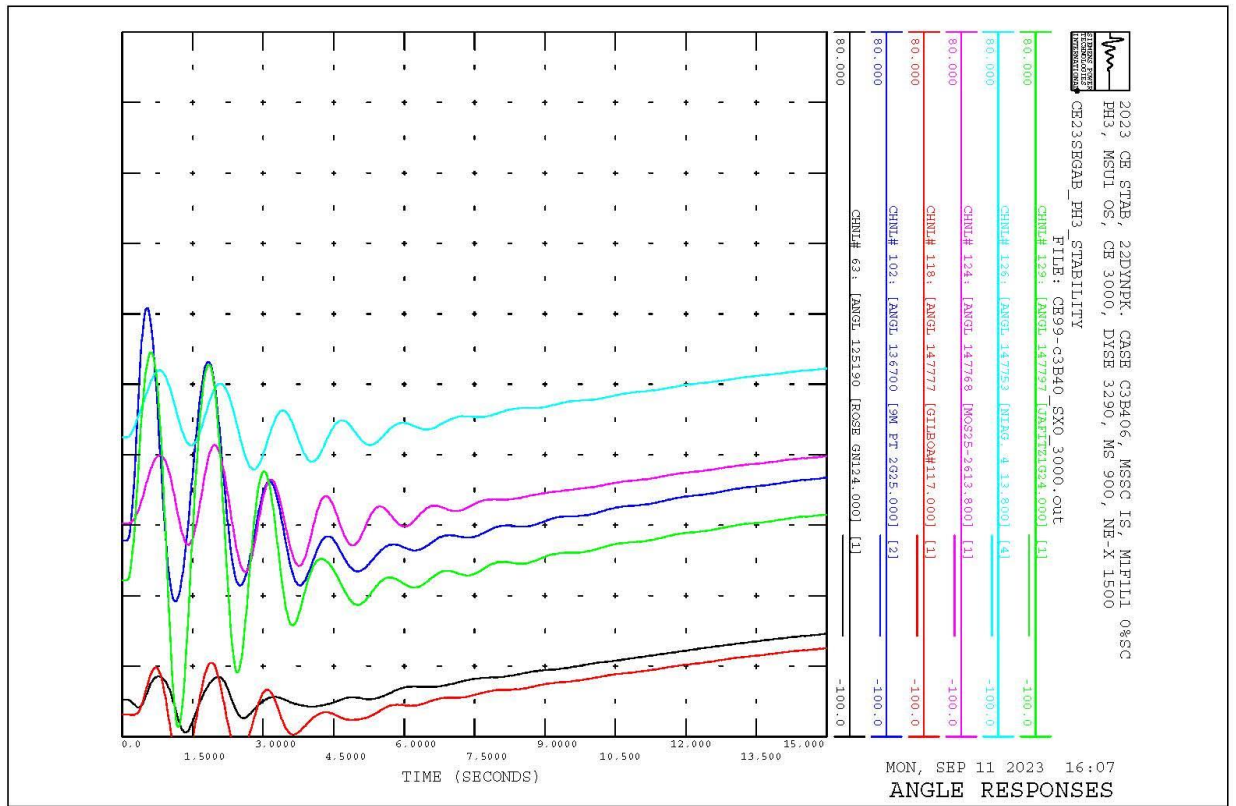


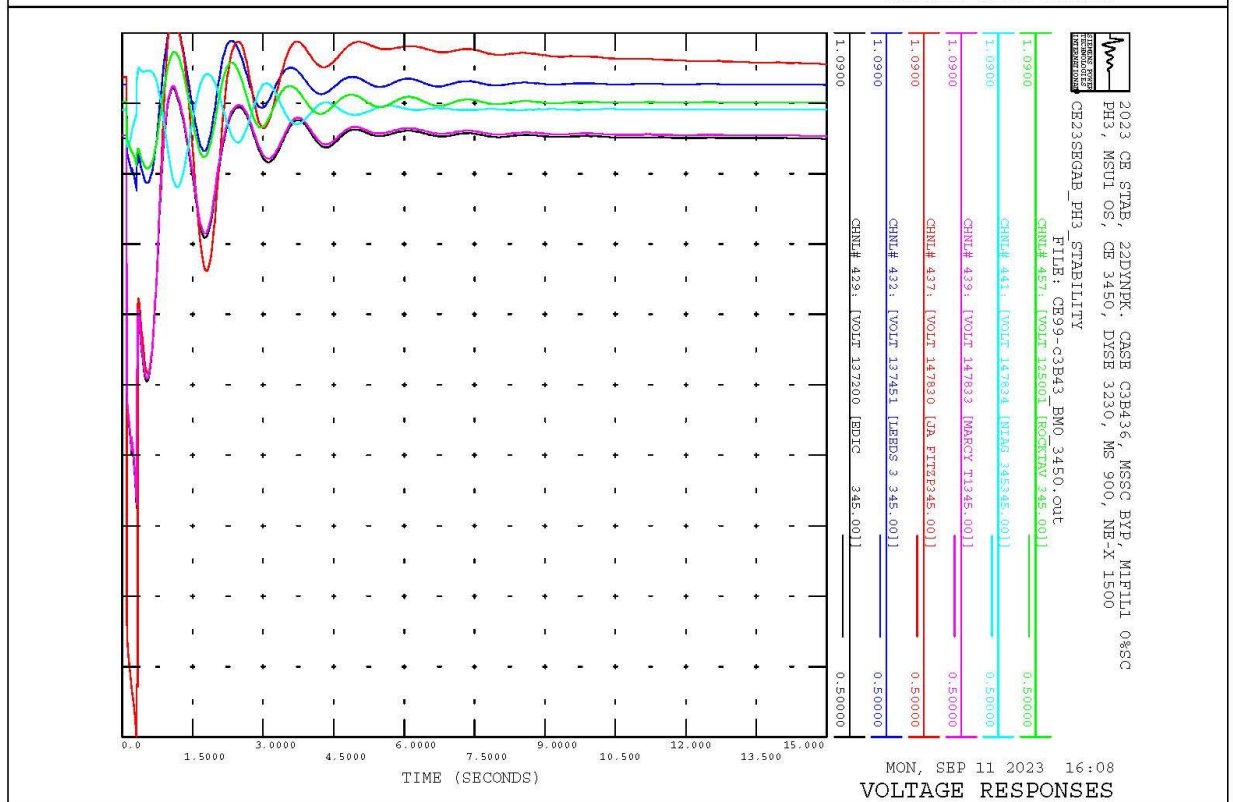
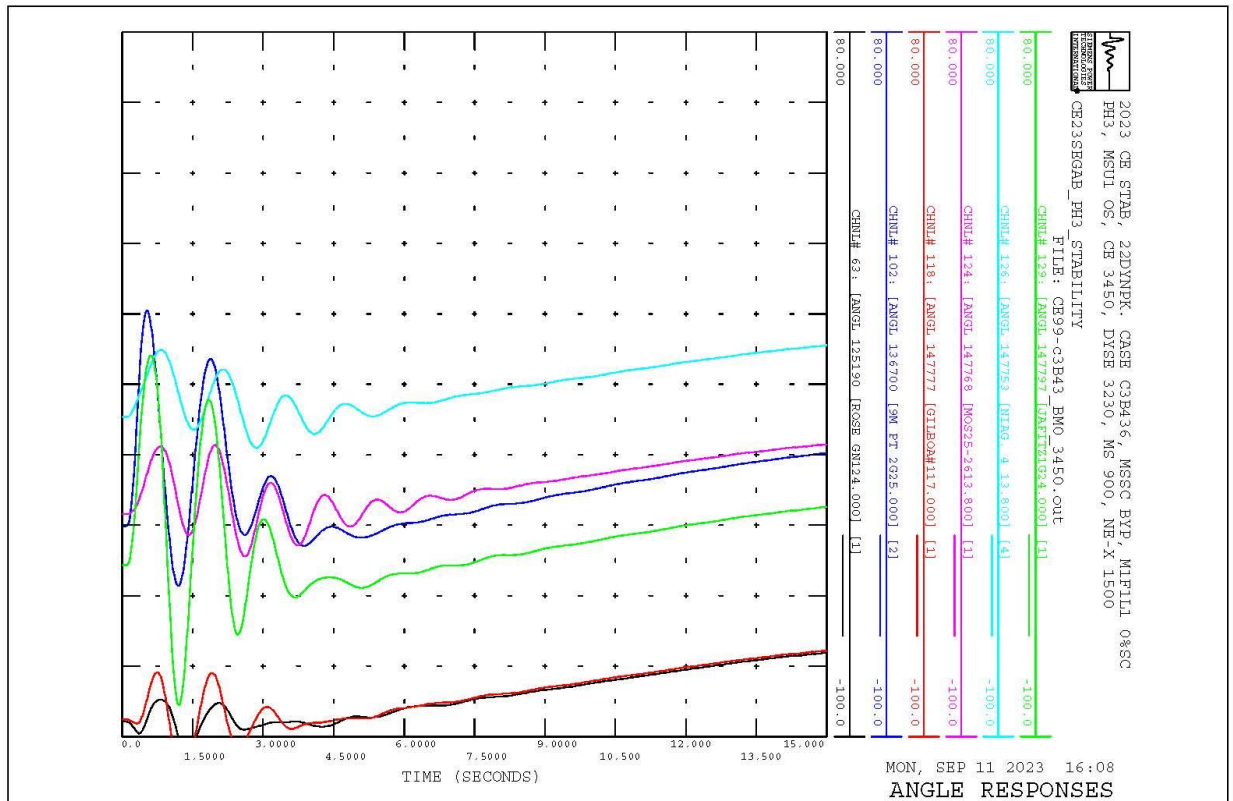


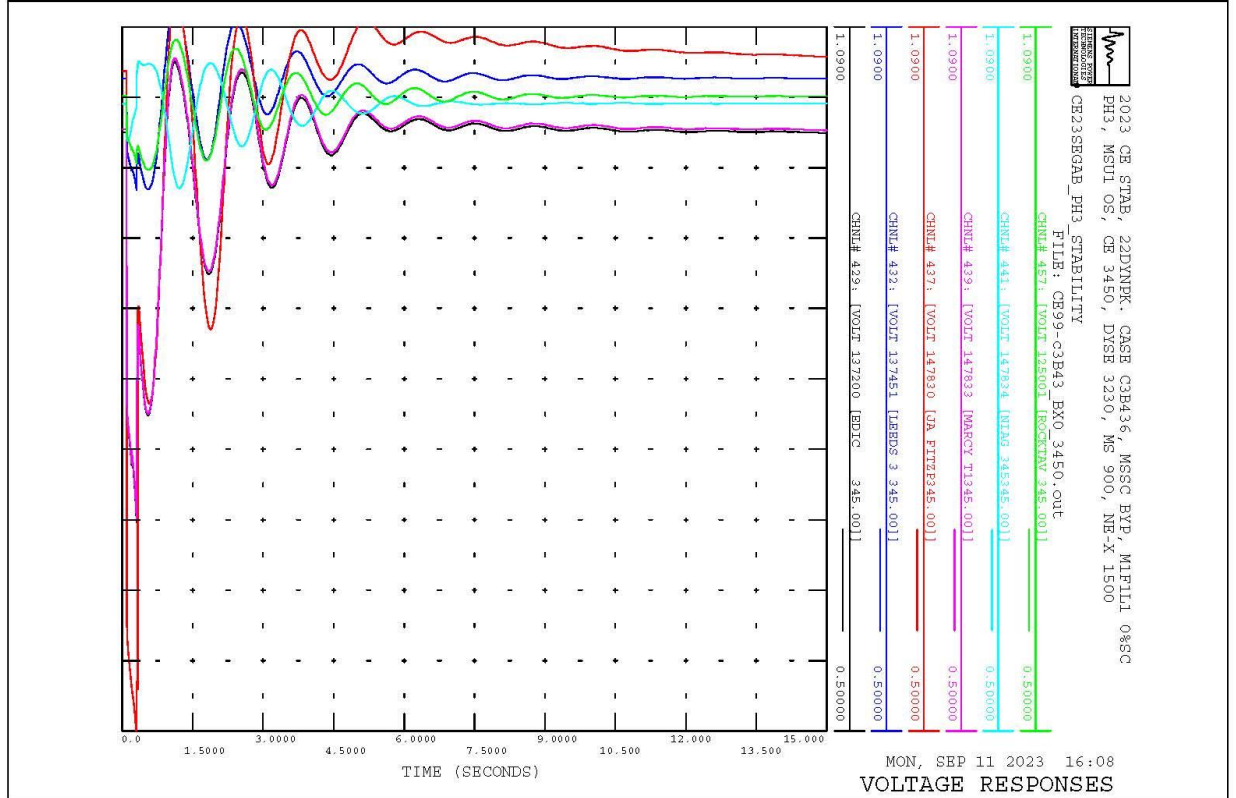
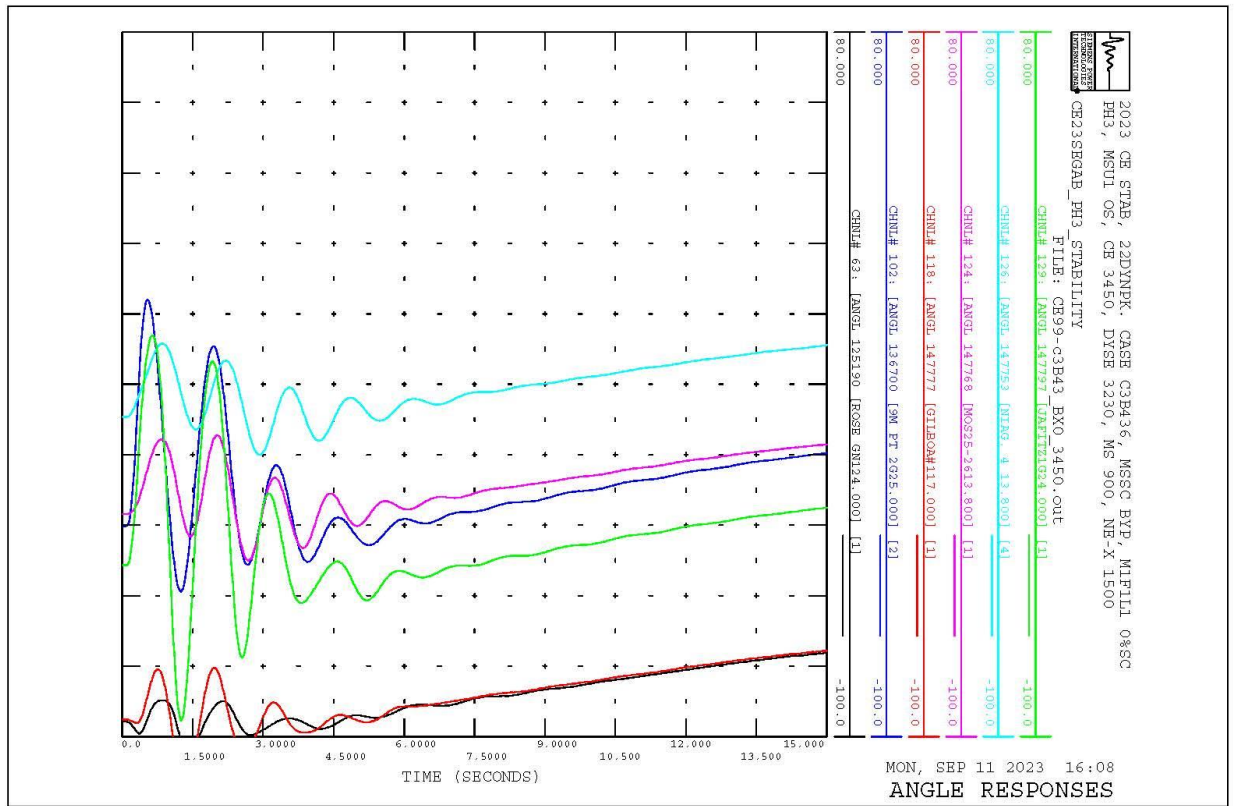


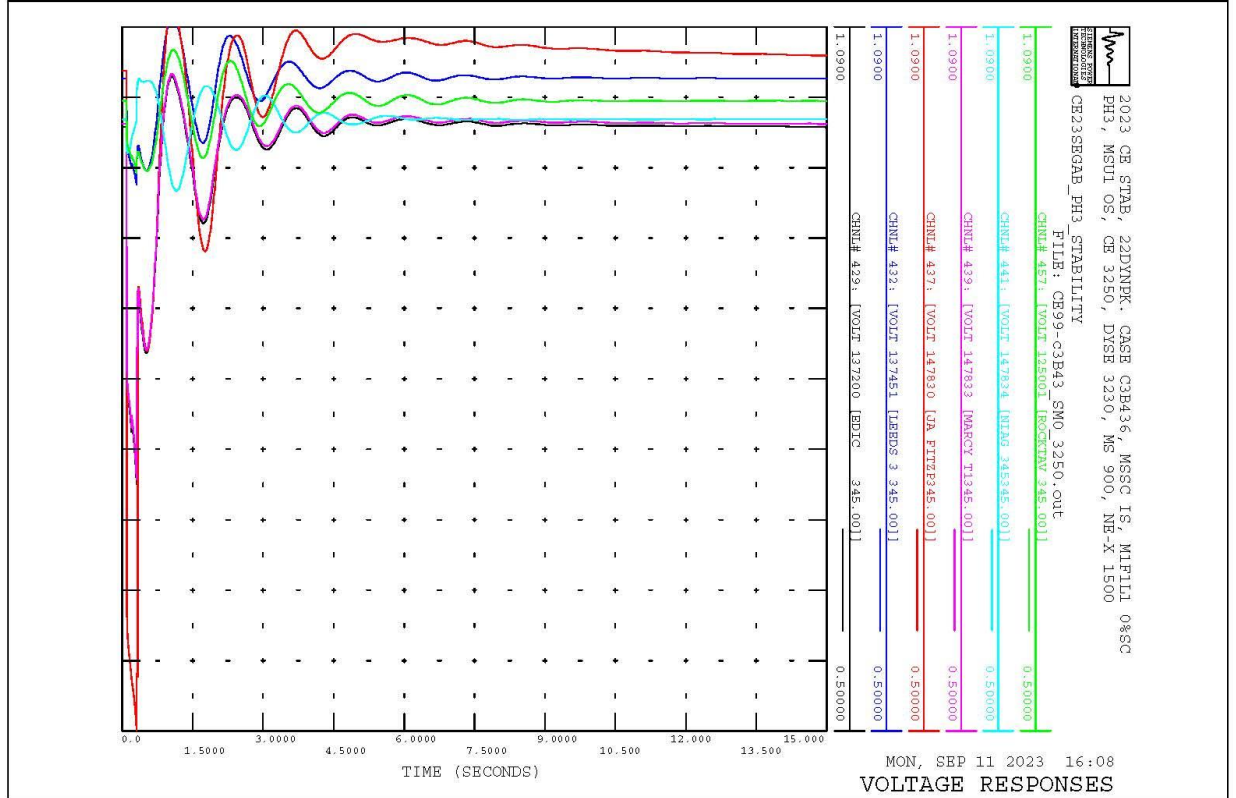
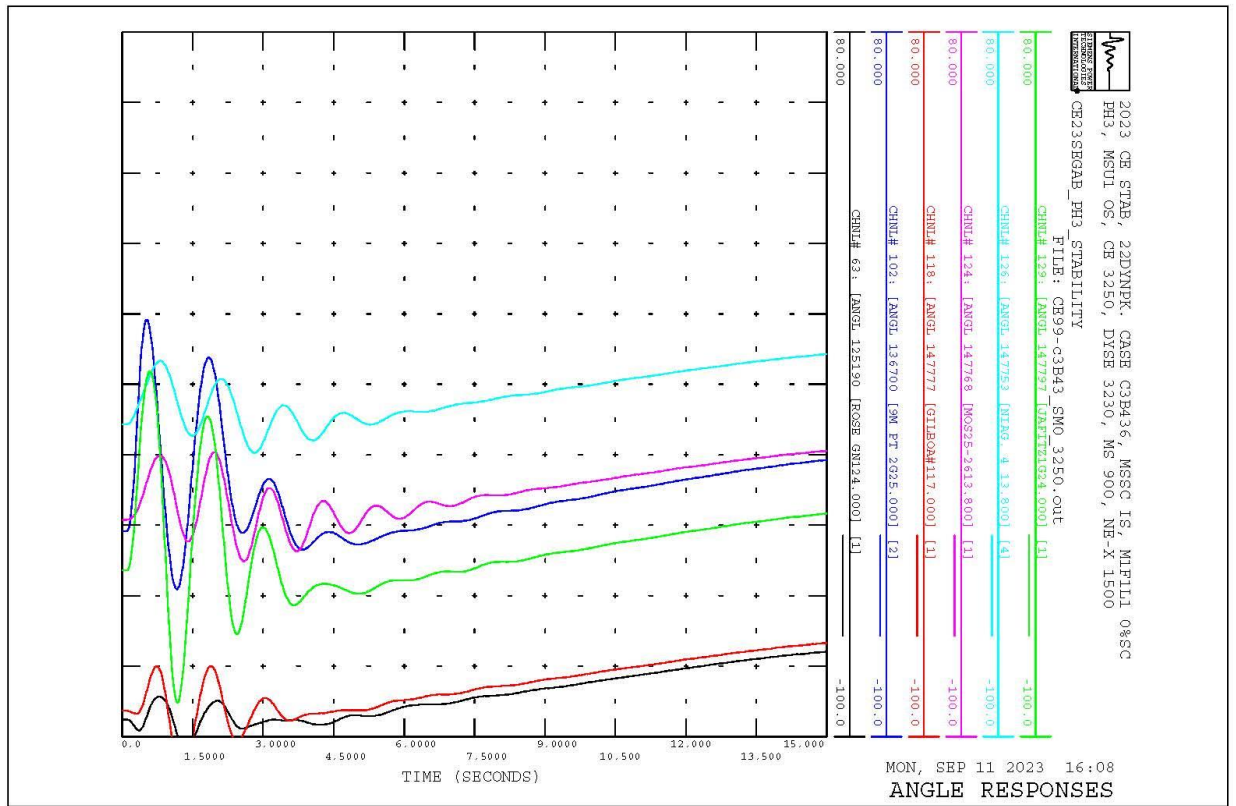


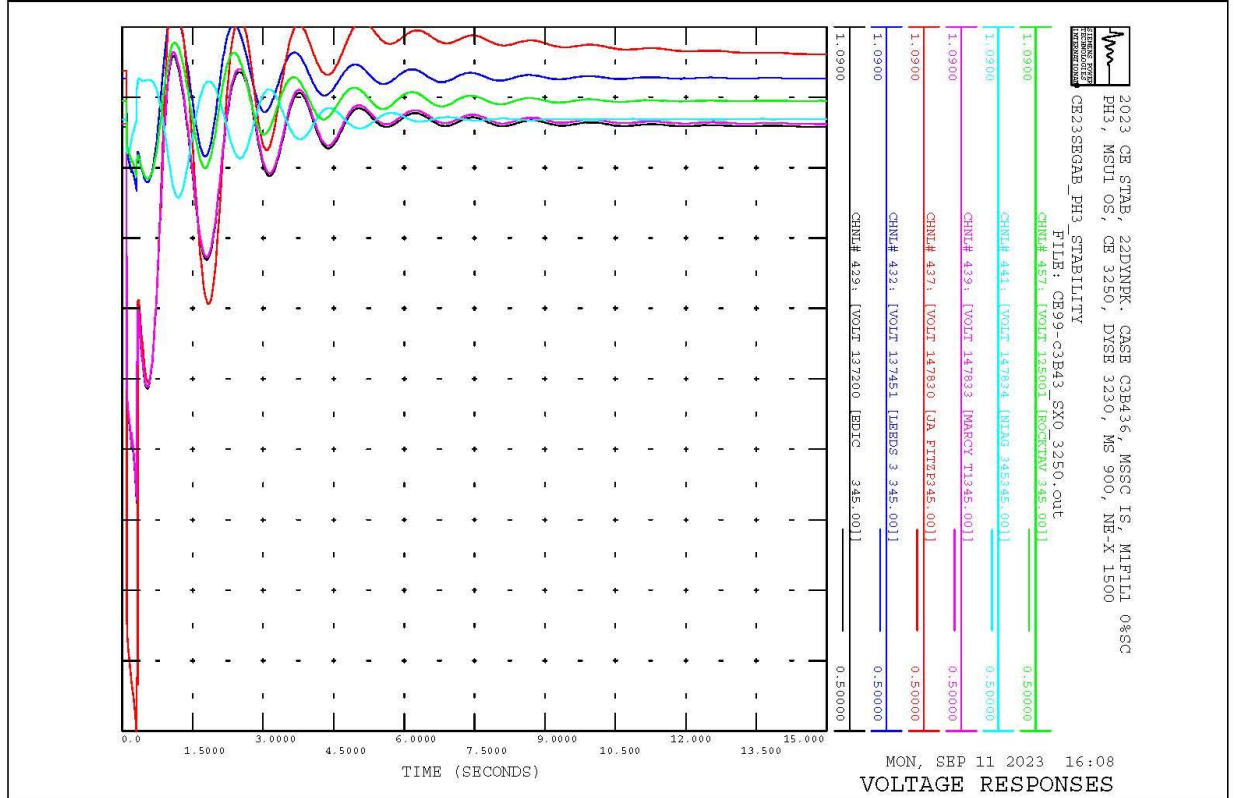
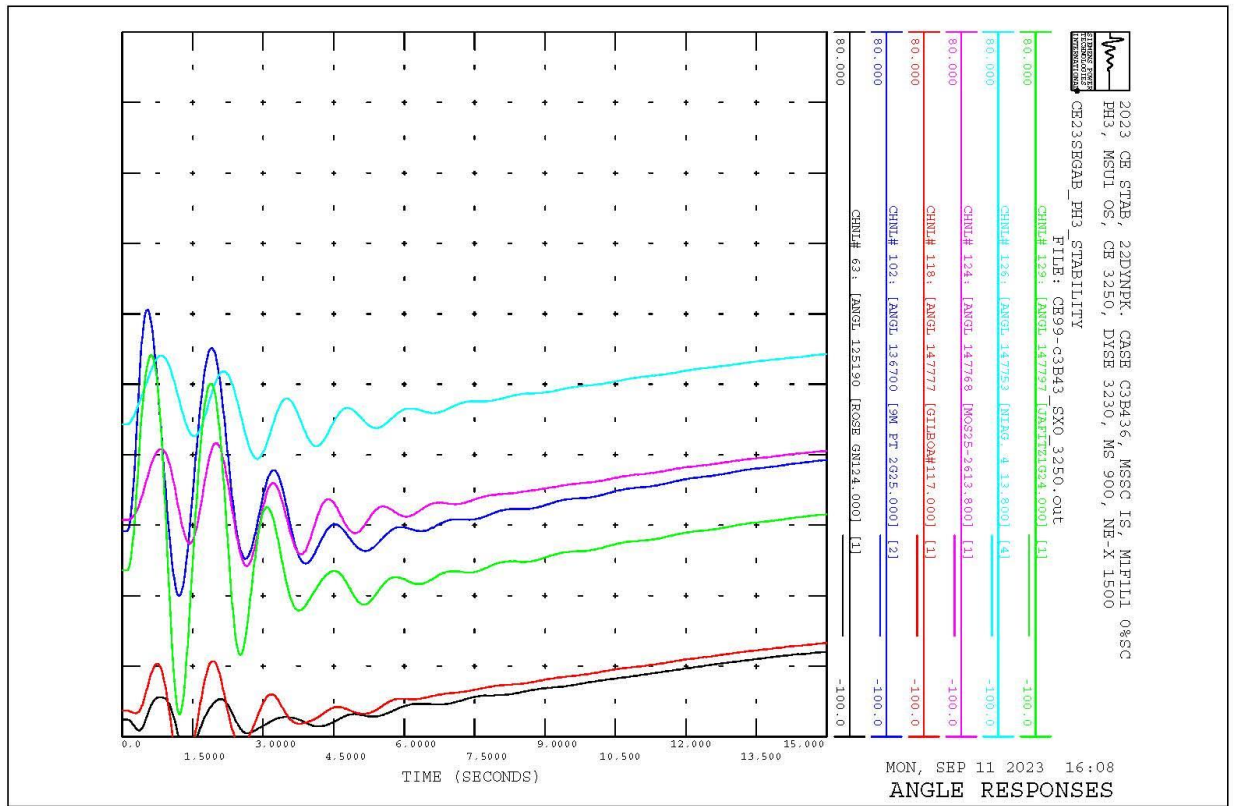


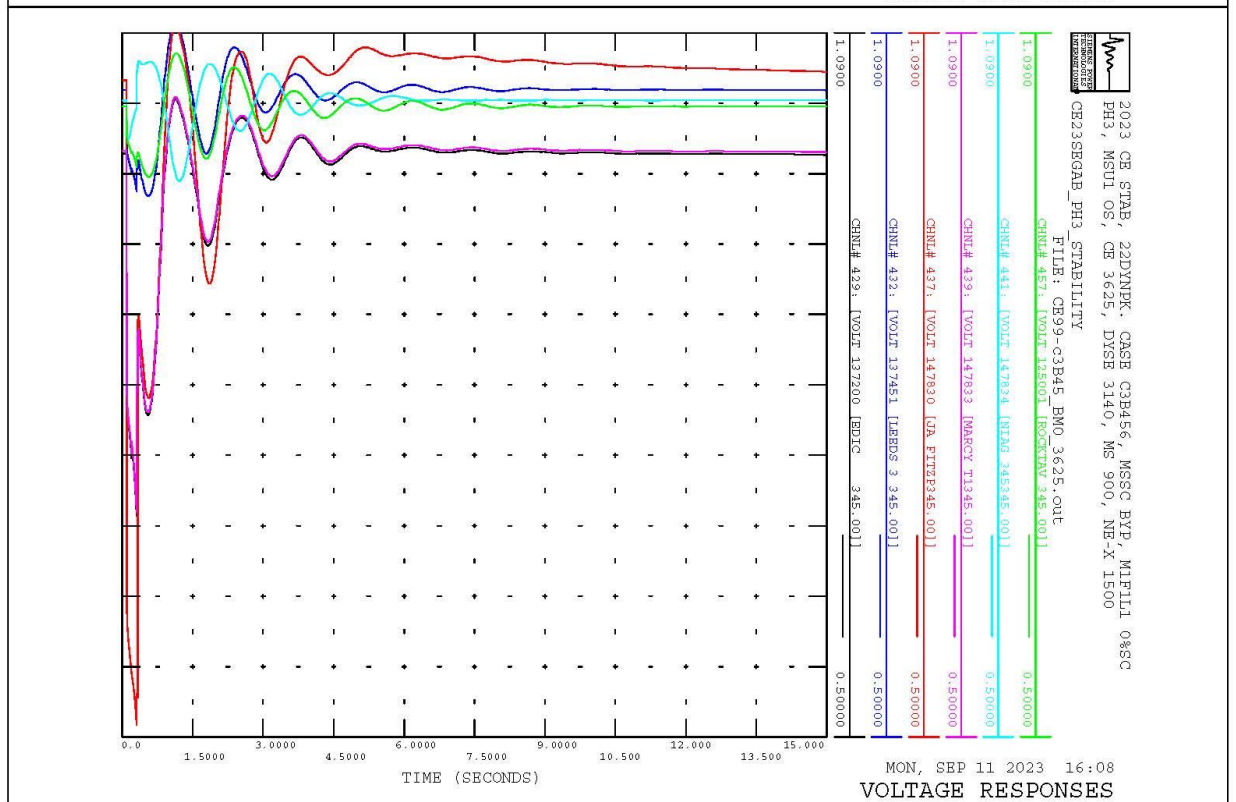
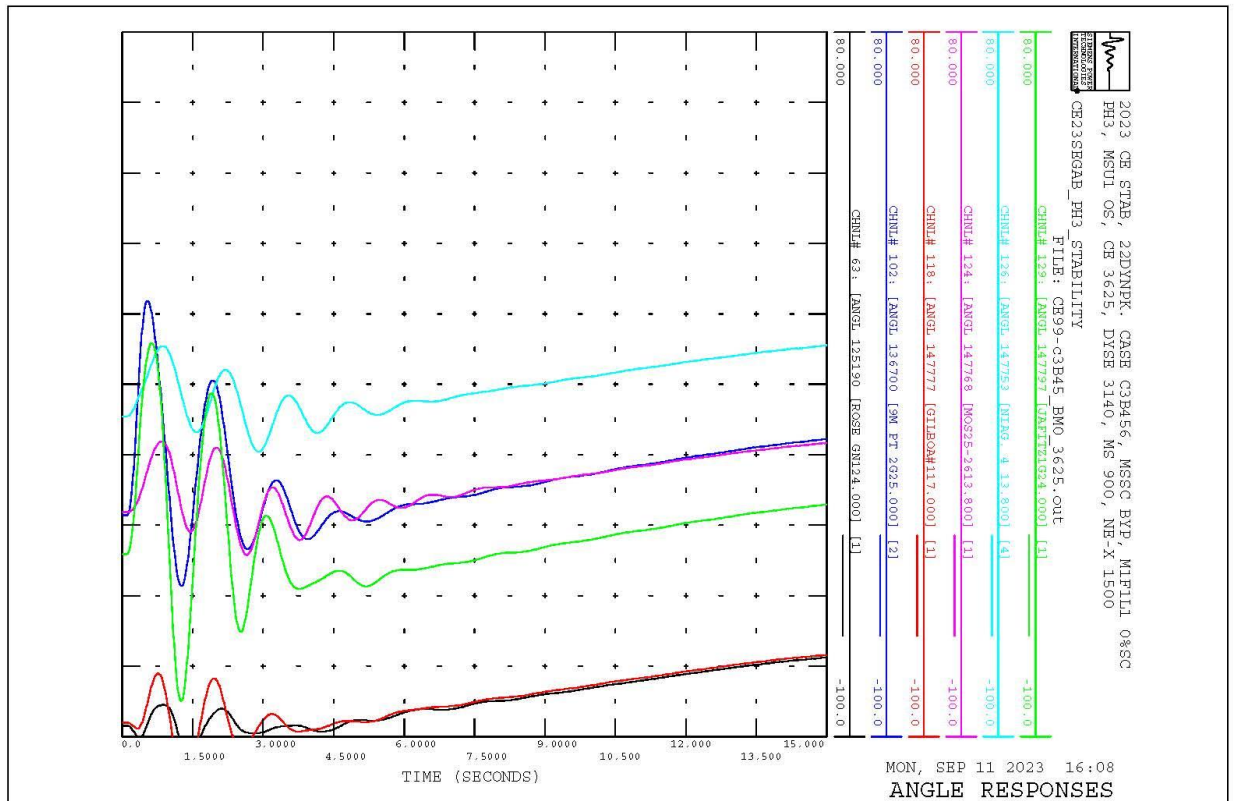


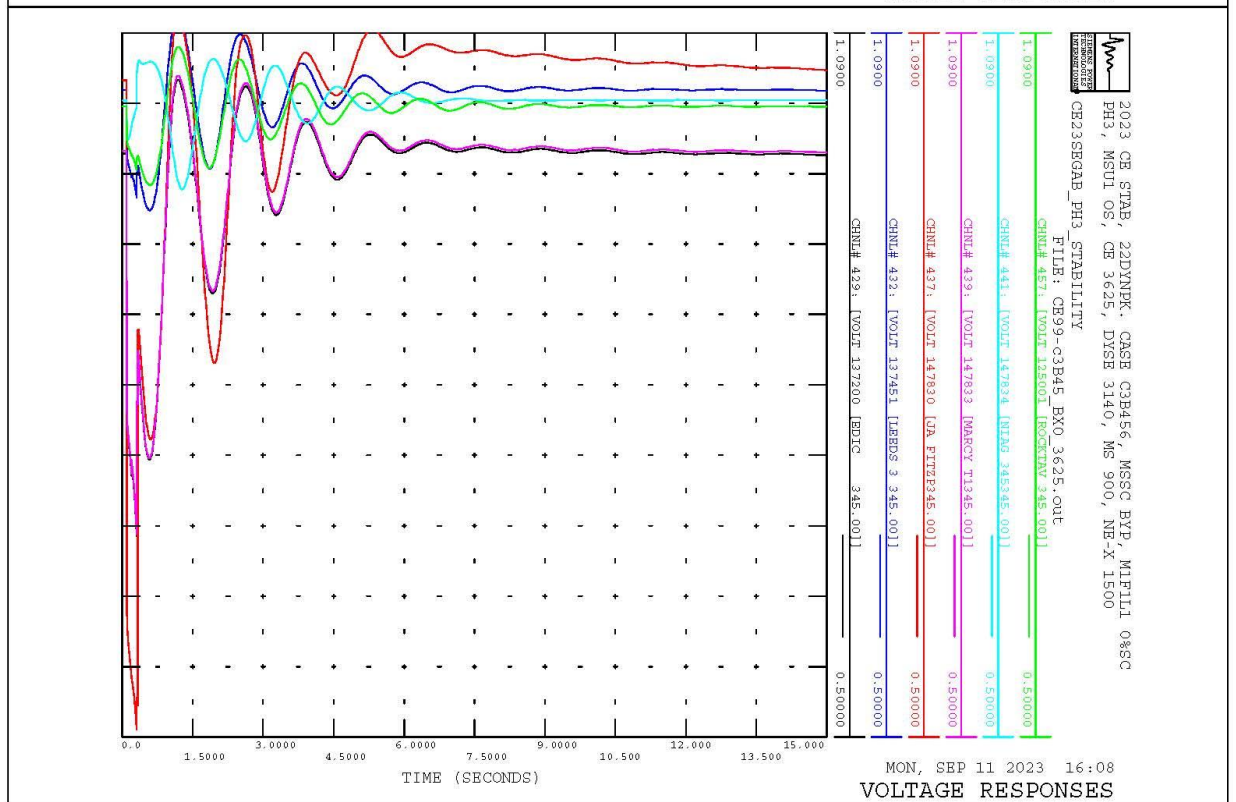
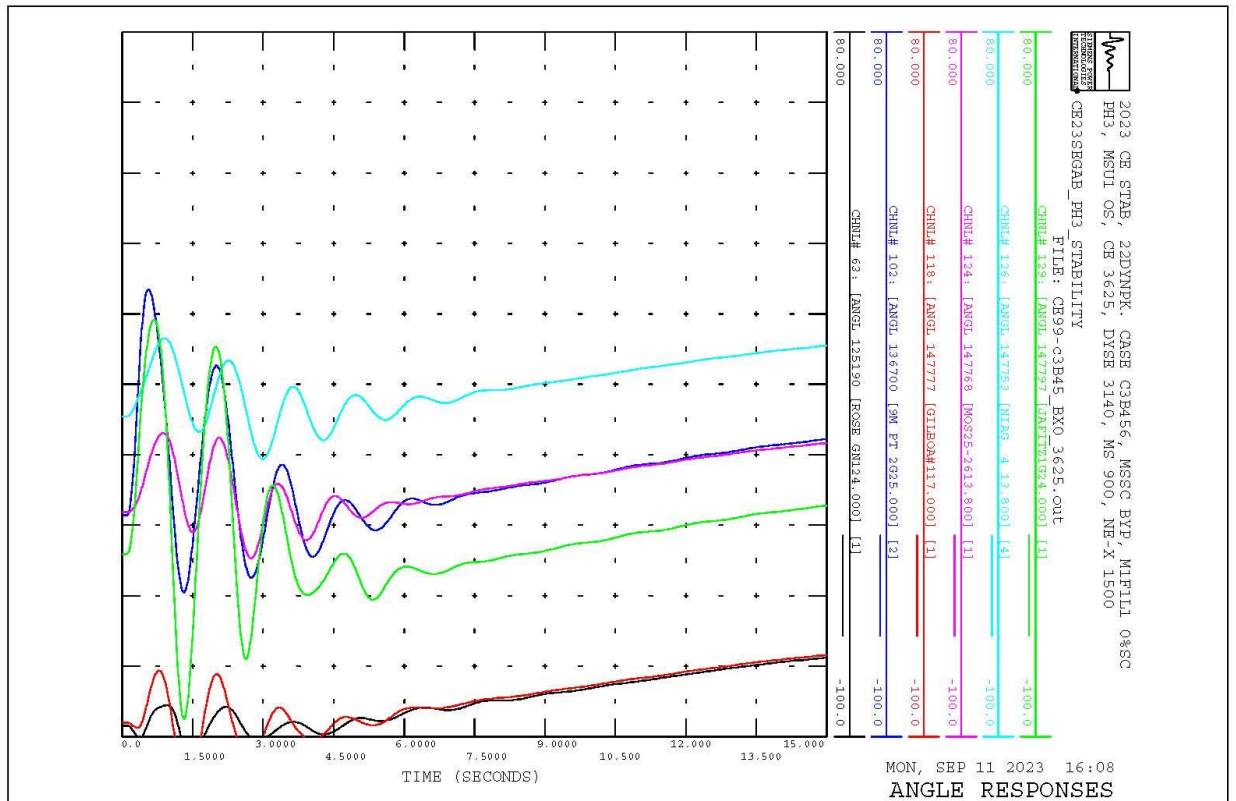


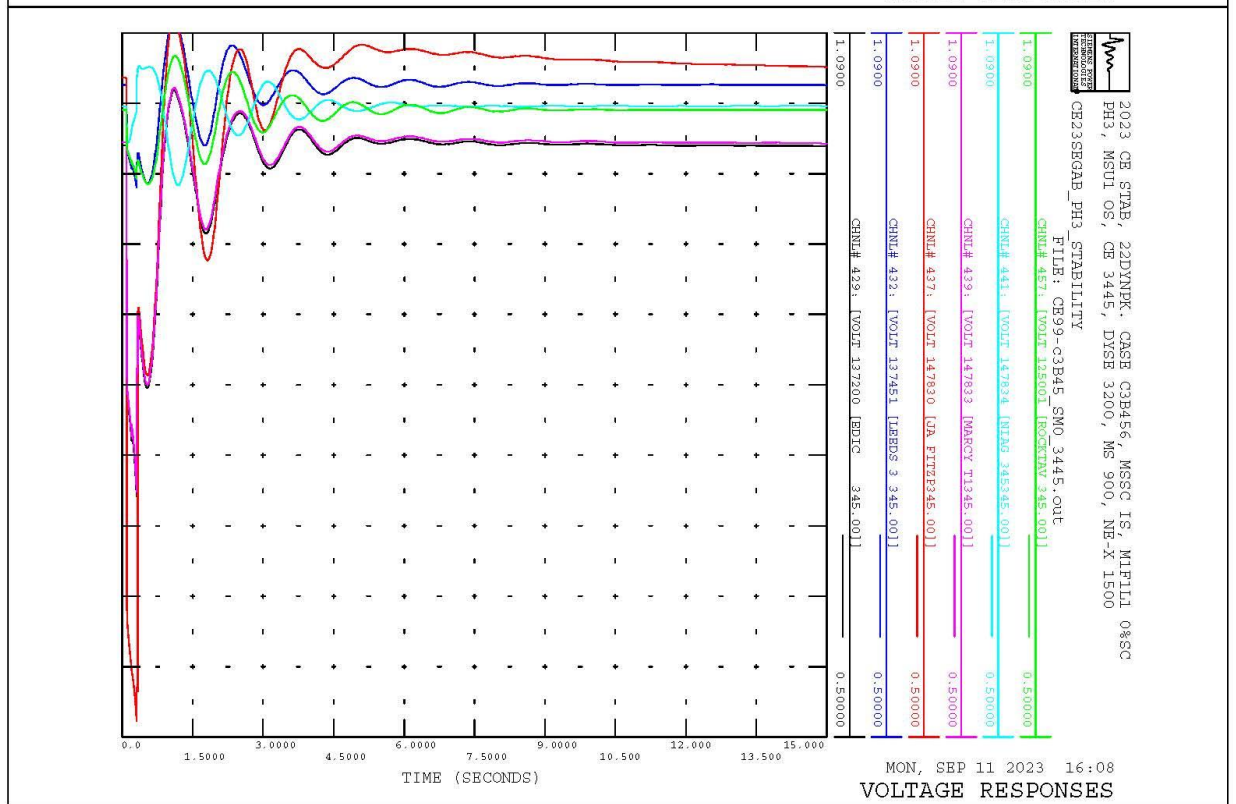
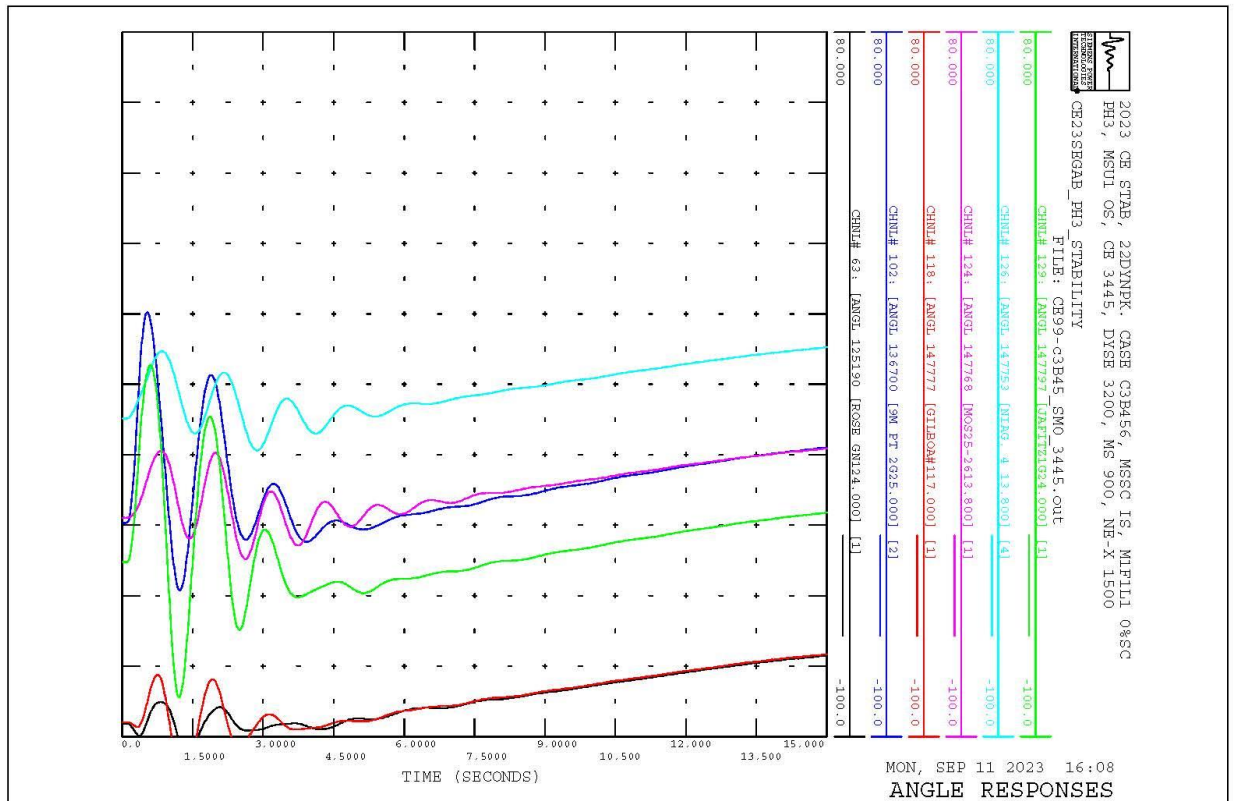


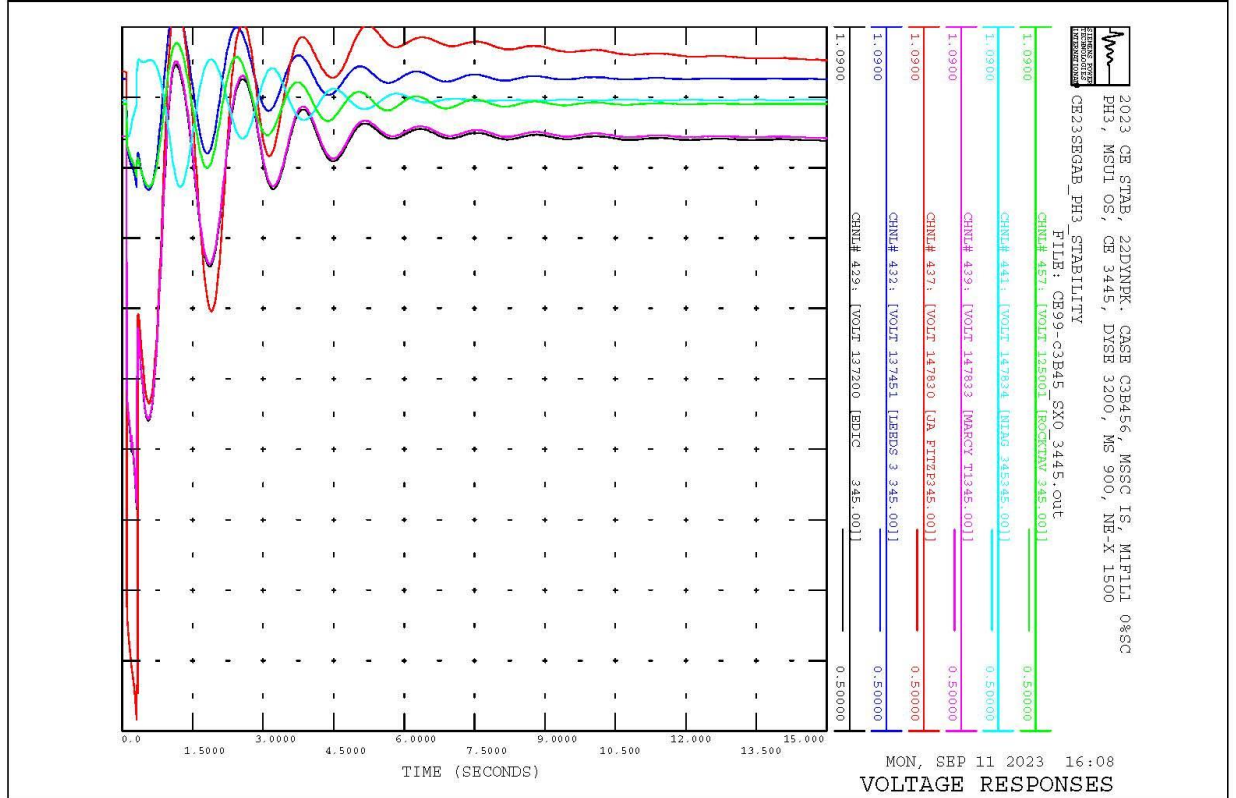
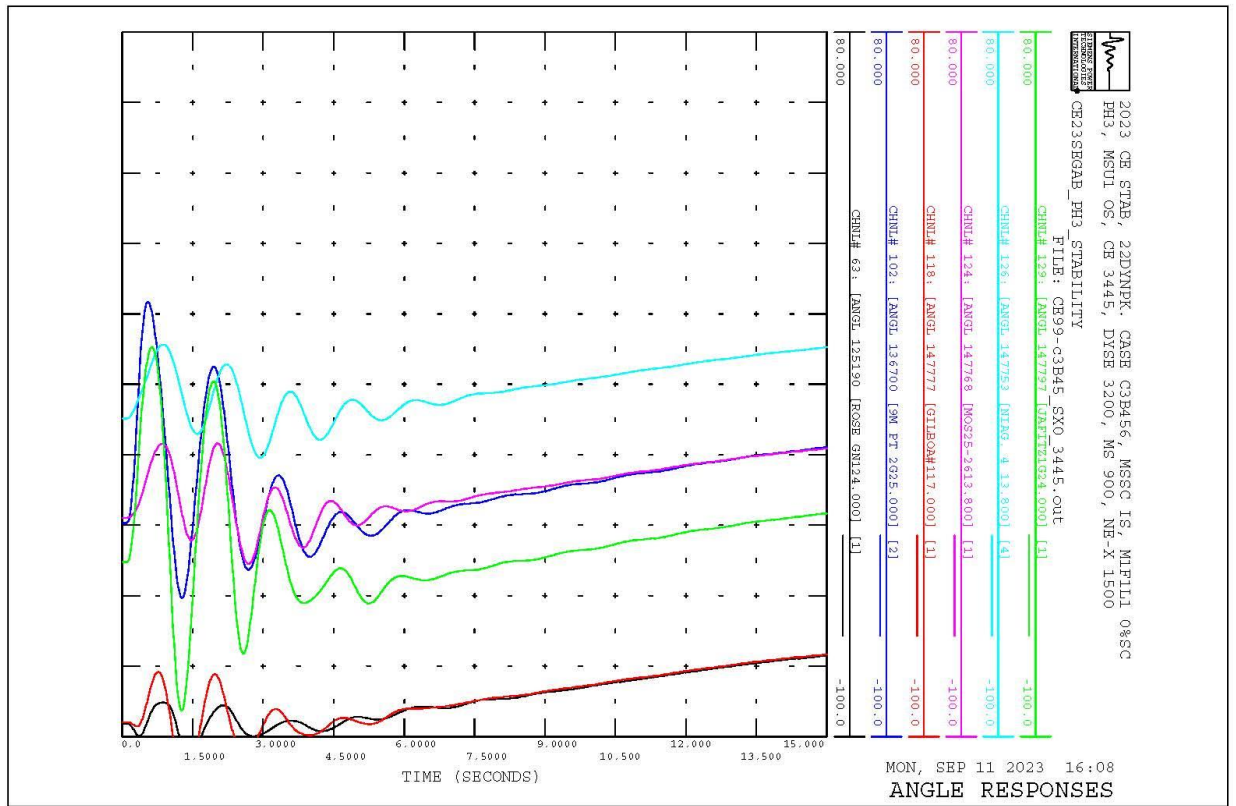




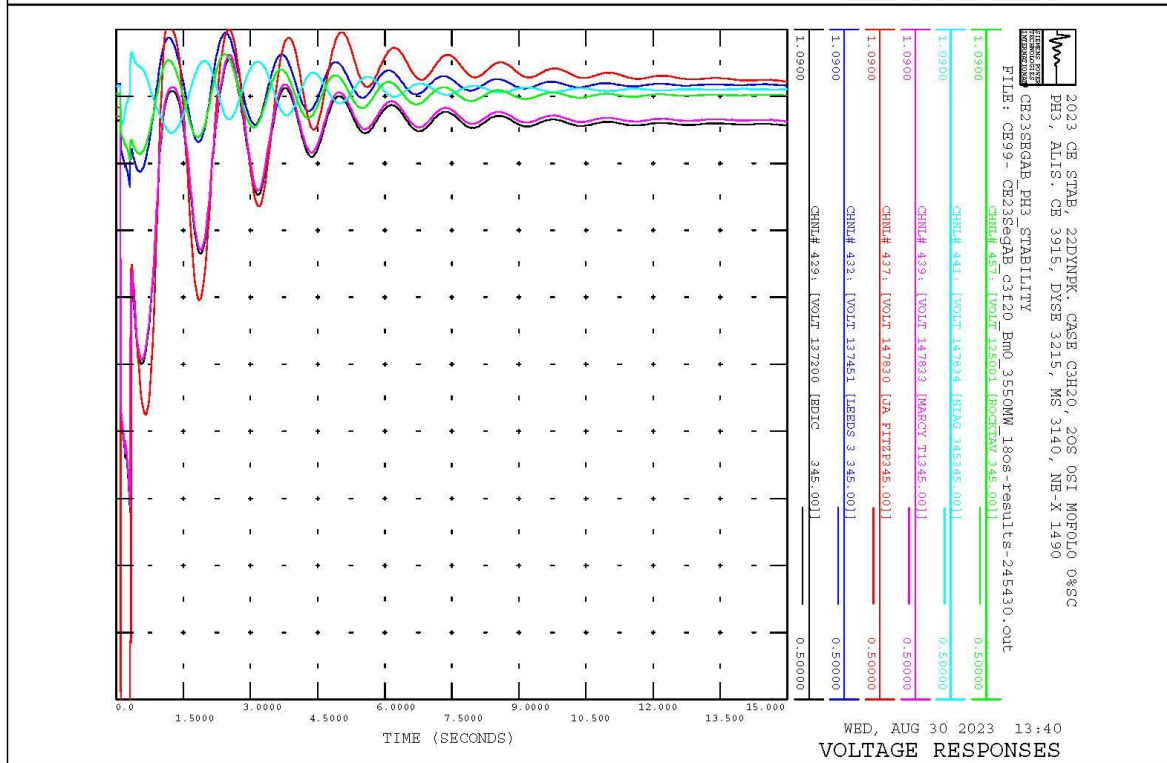
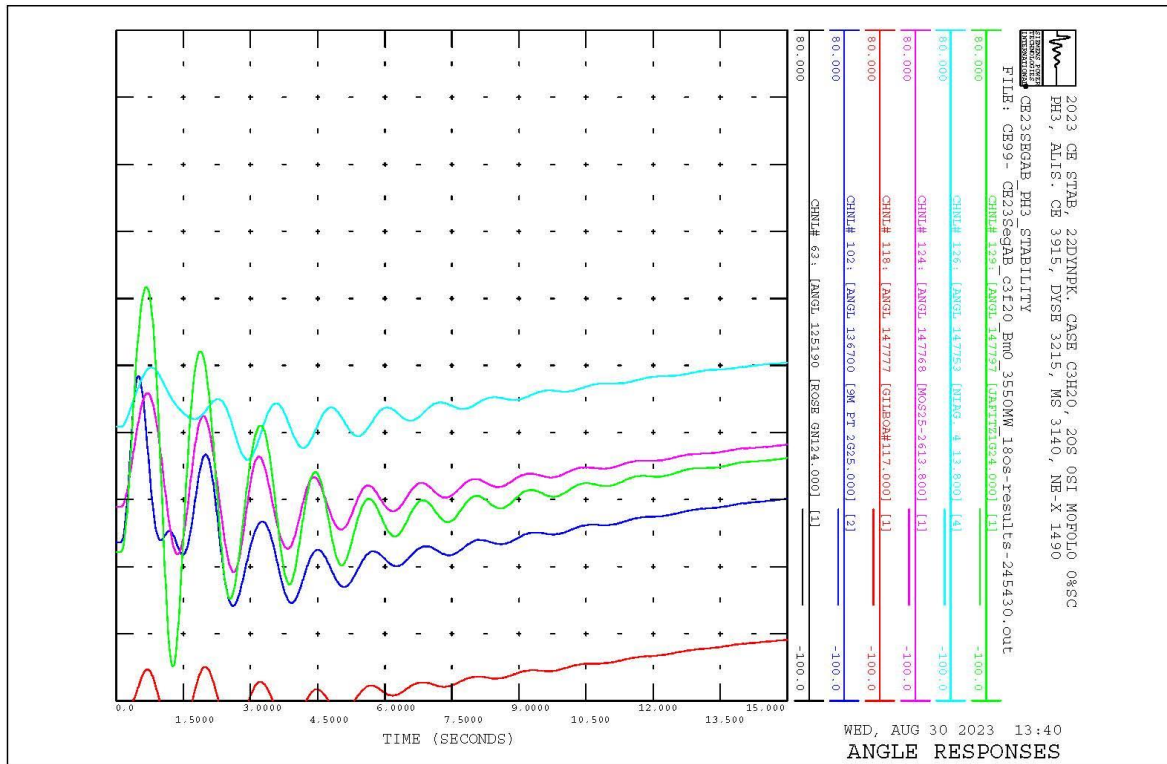


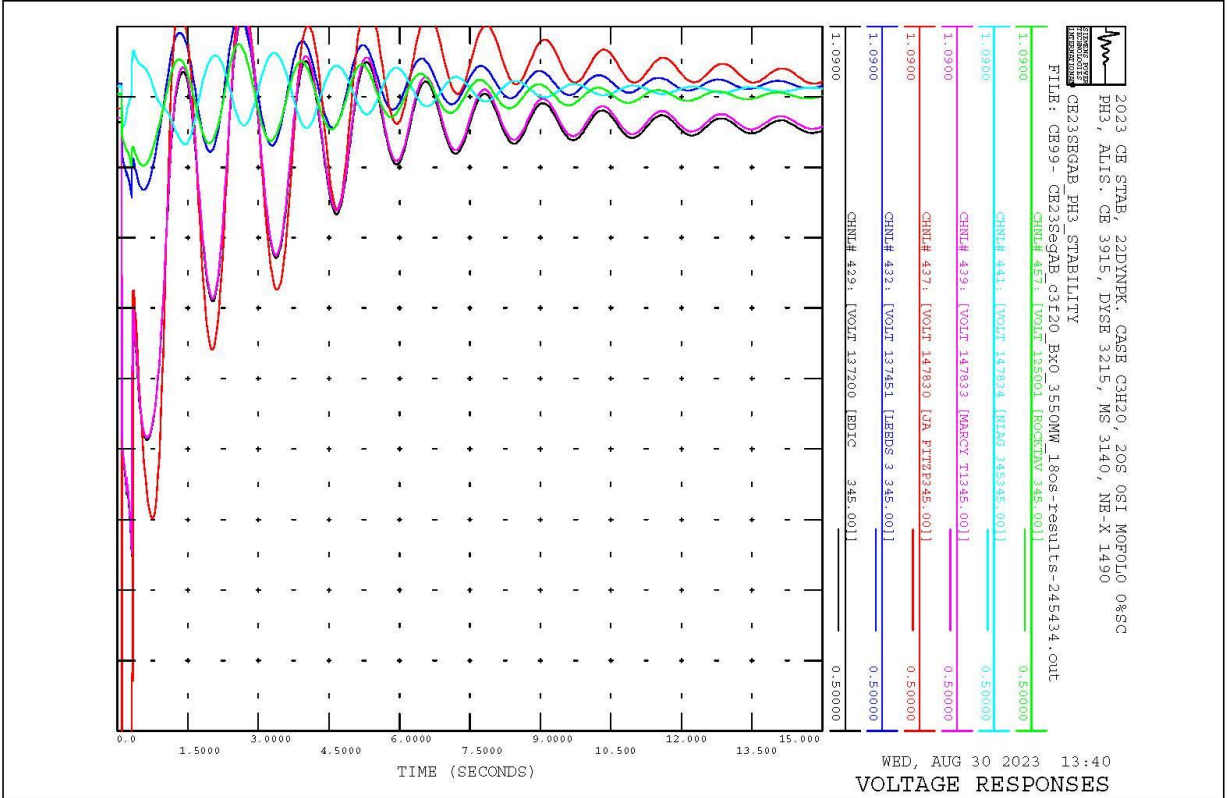
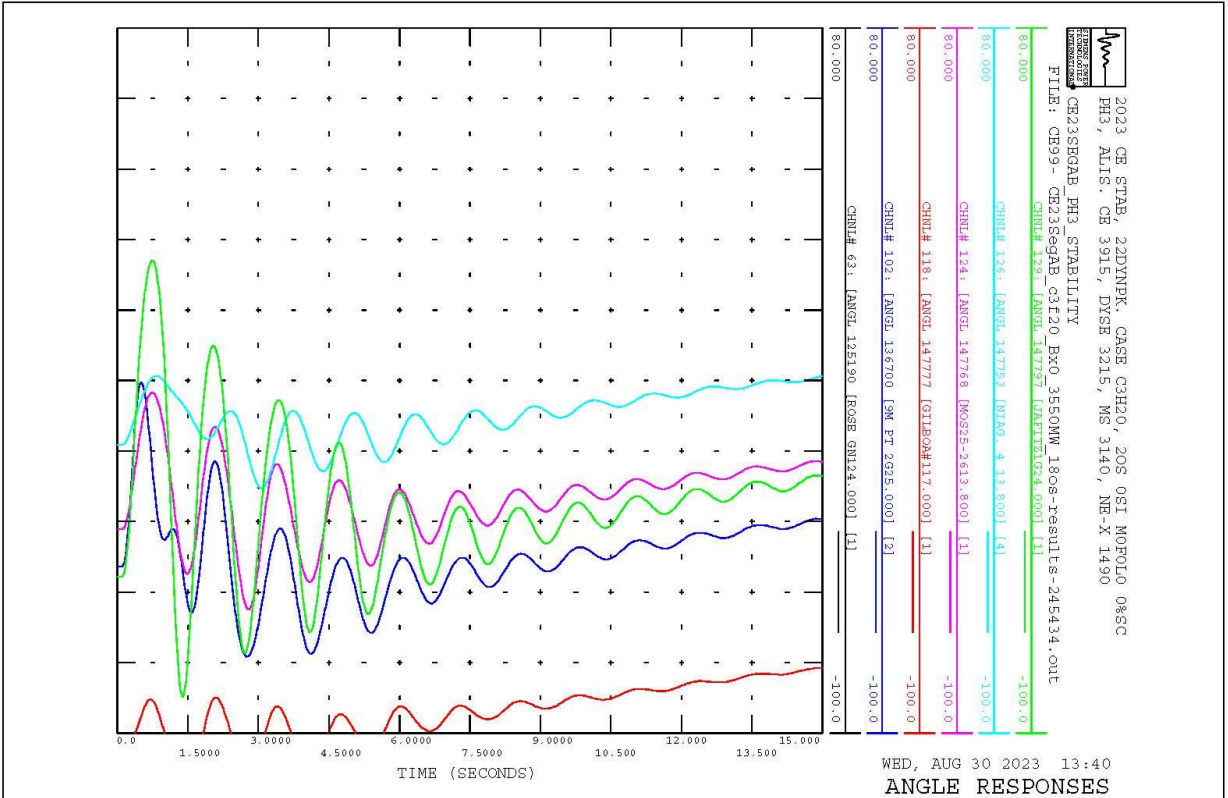


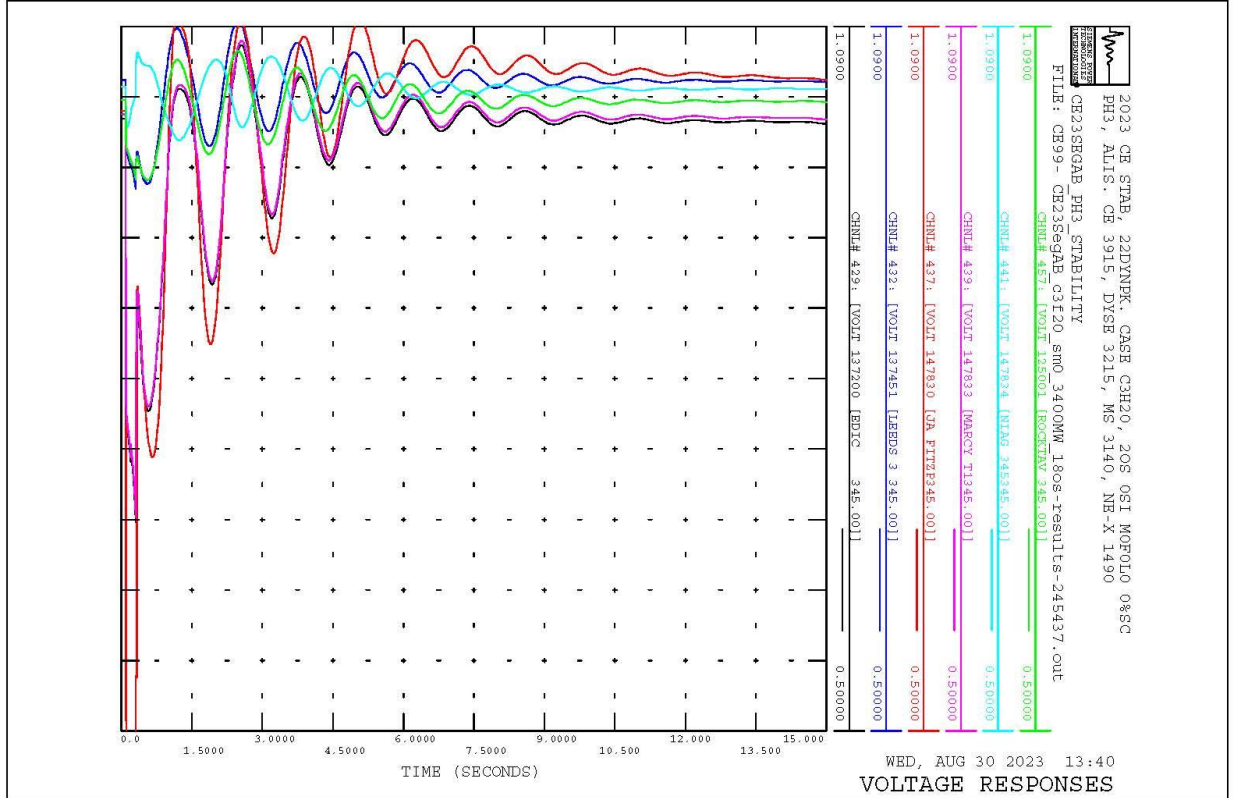
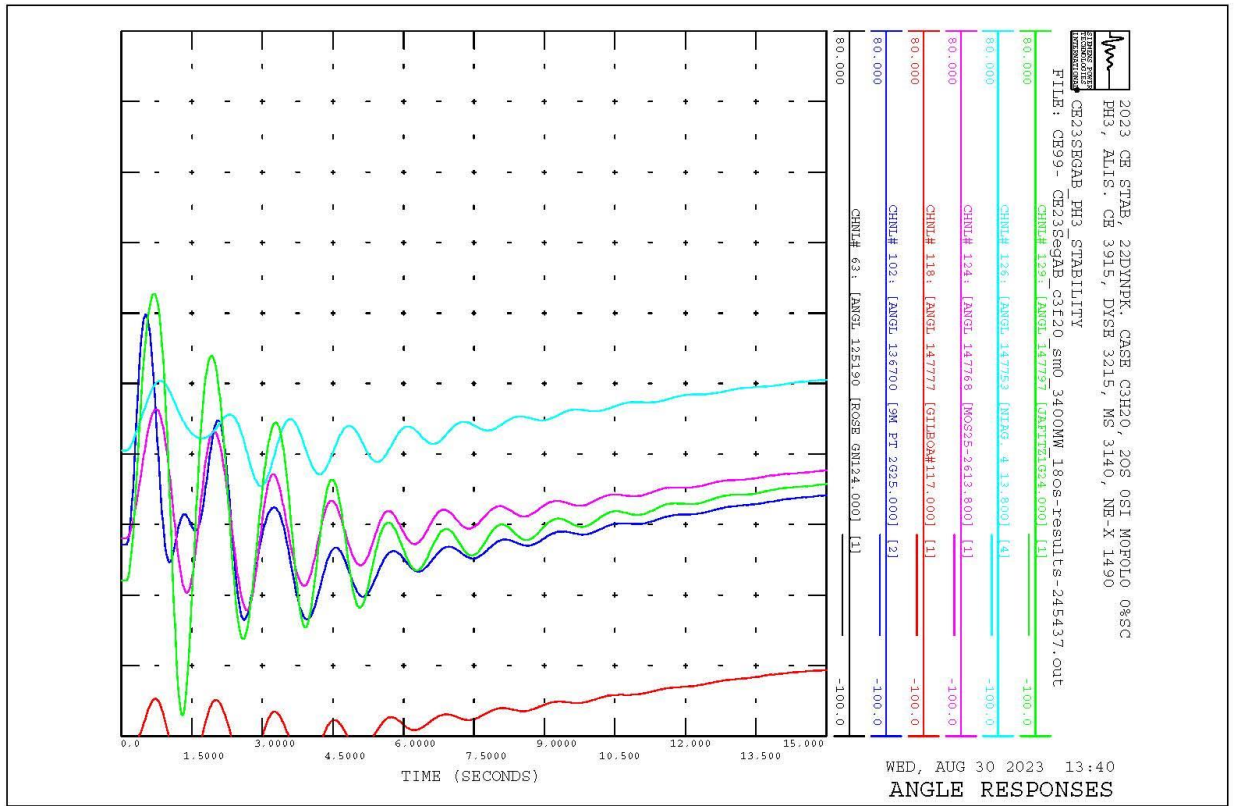


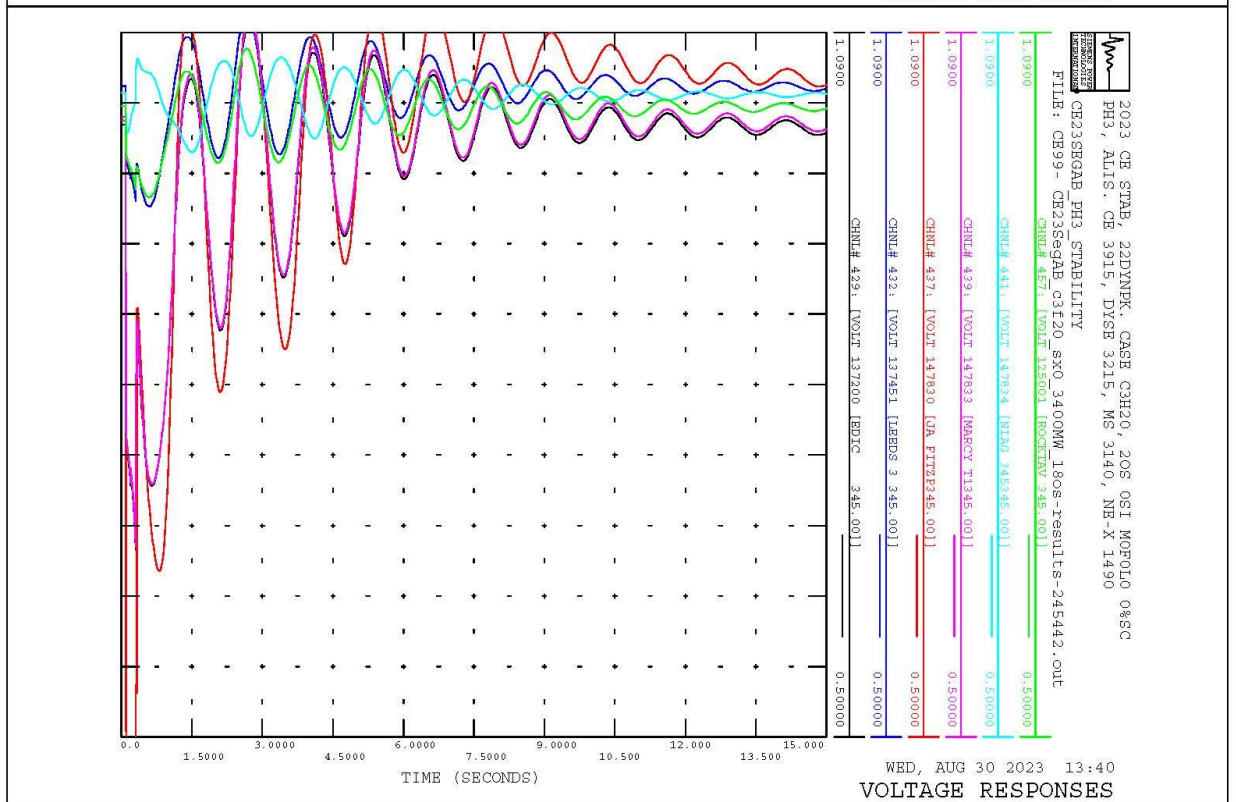
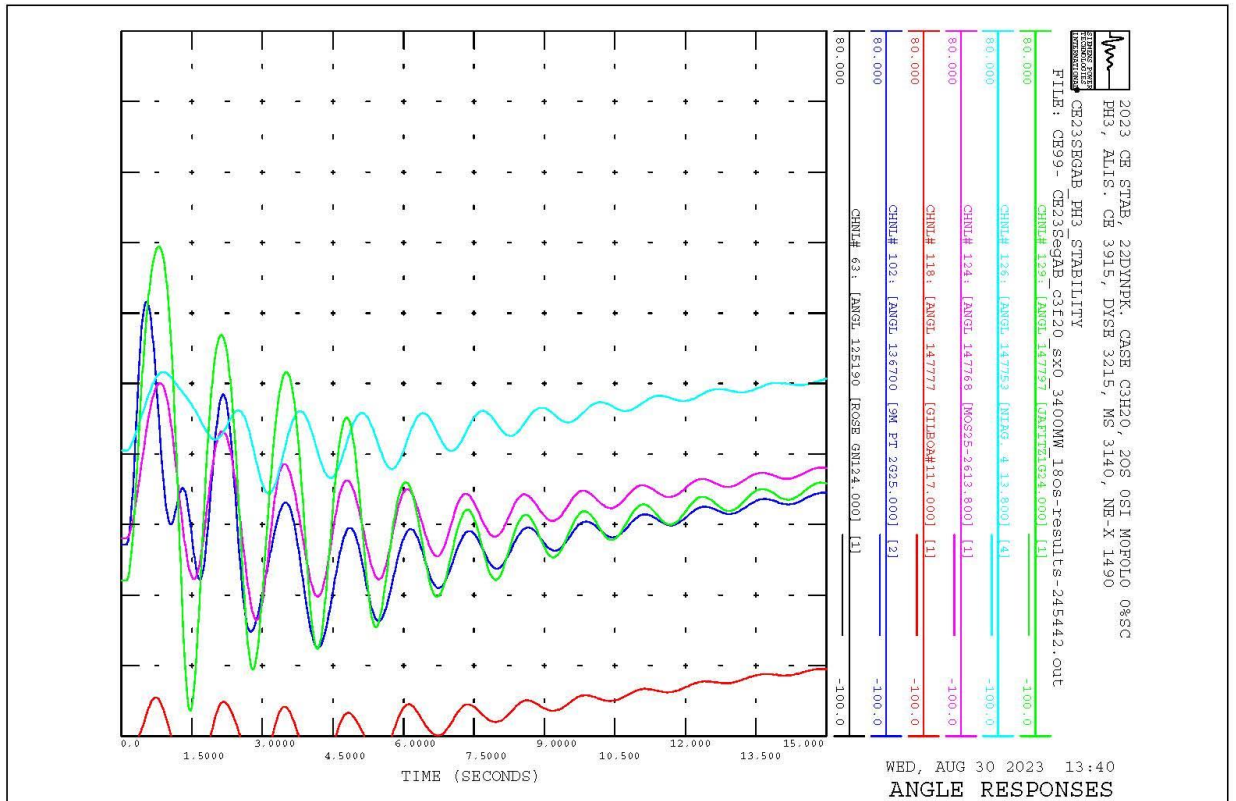


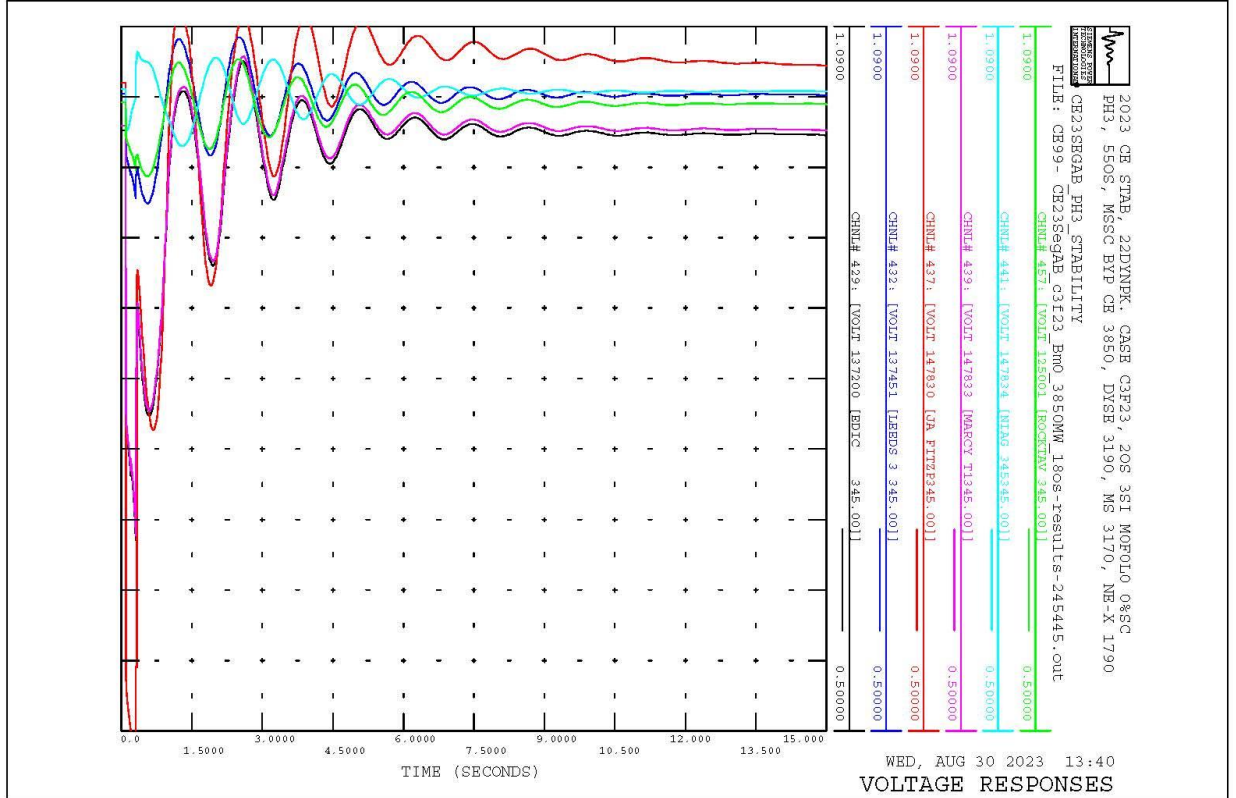
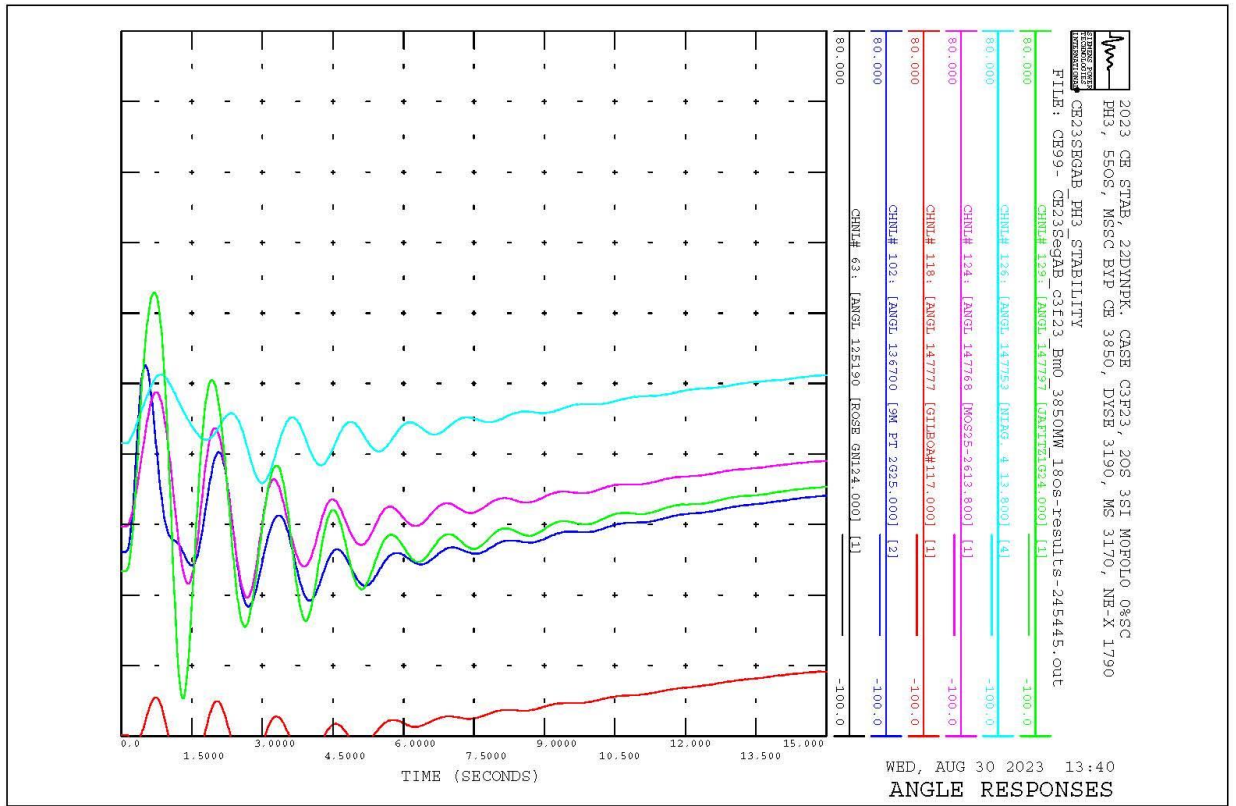
Appendix C: Marcy – New Scotland (18) 345 kV Out of Service

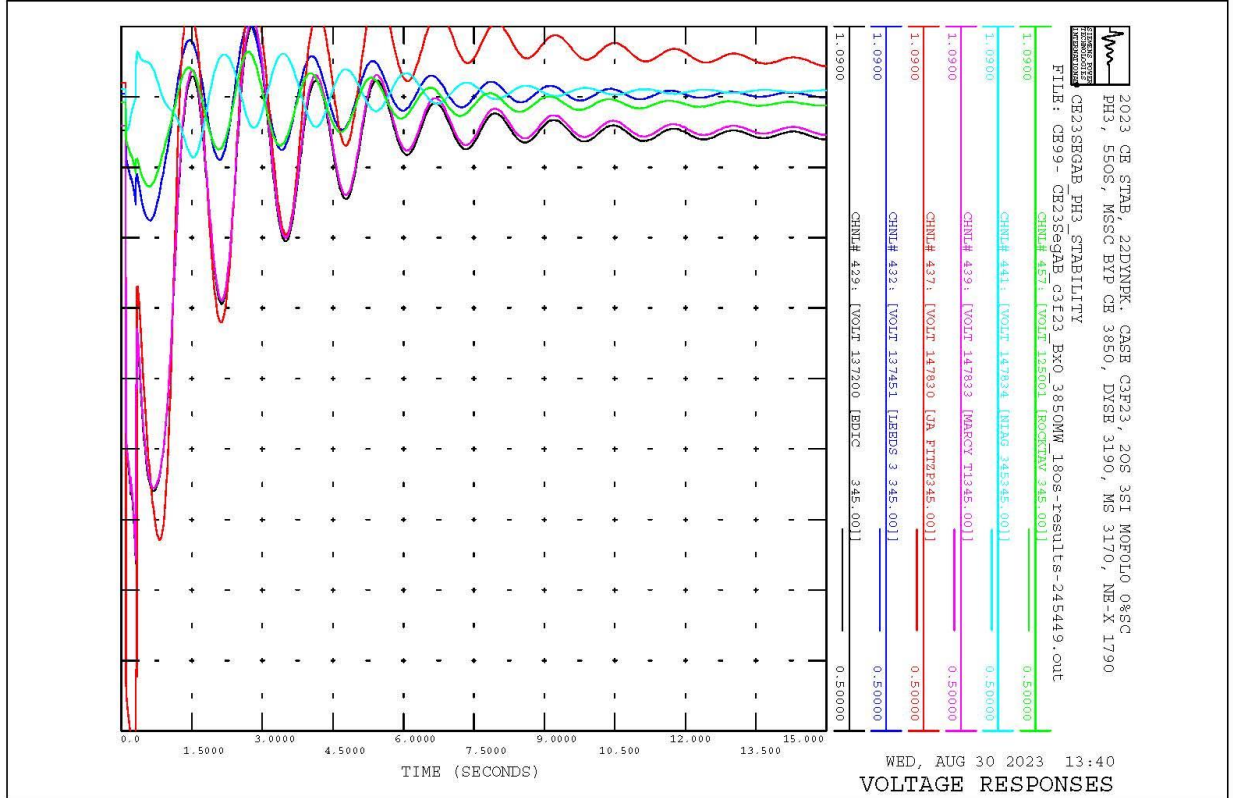
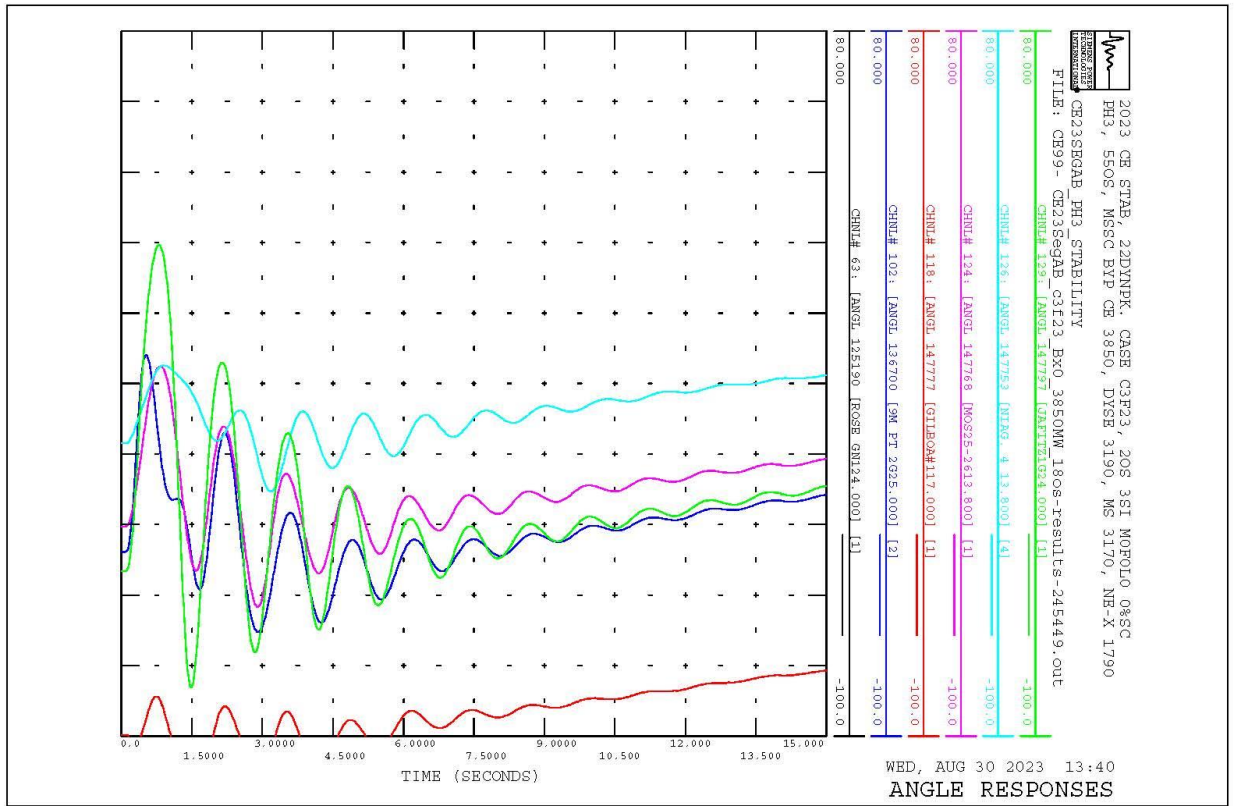


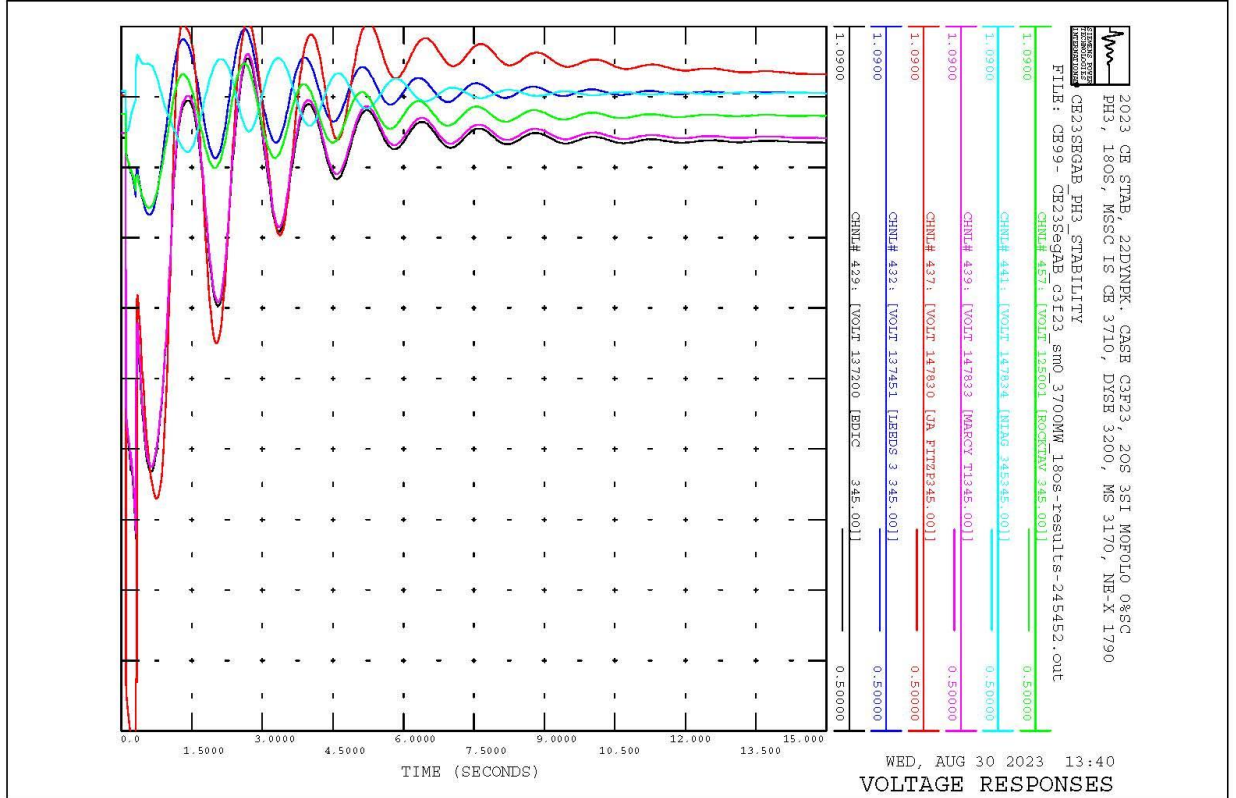
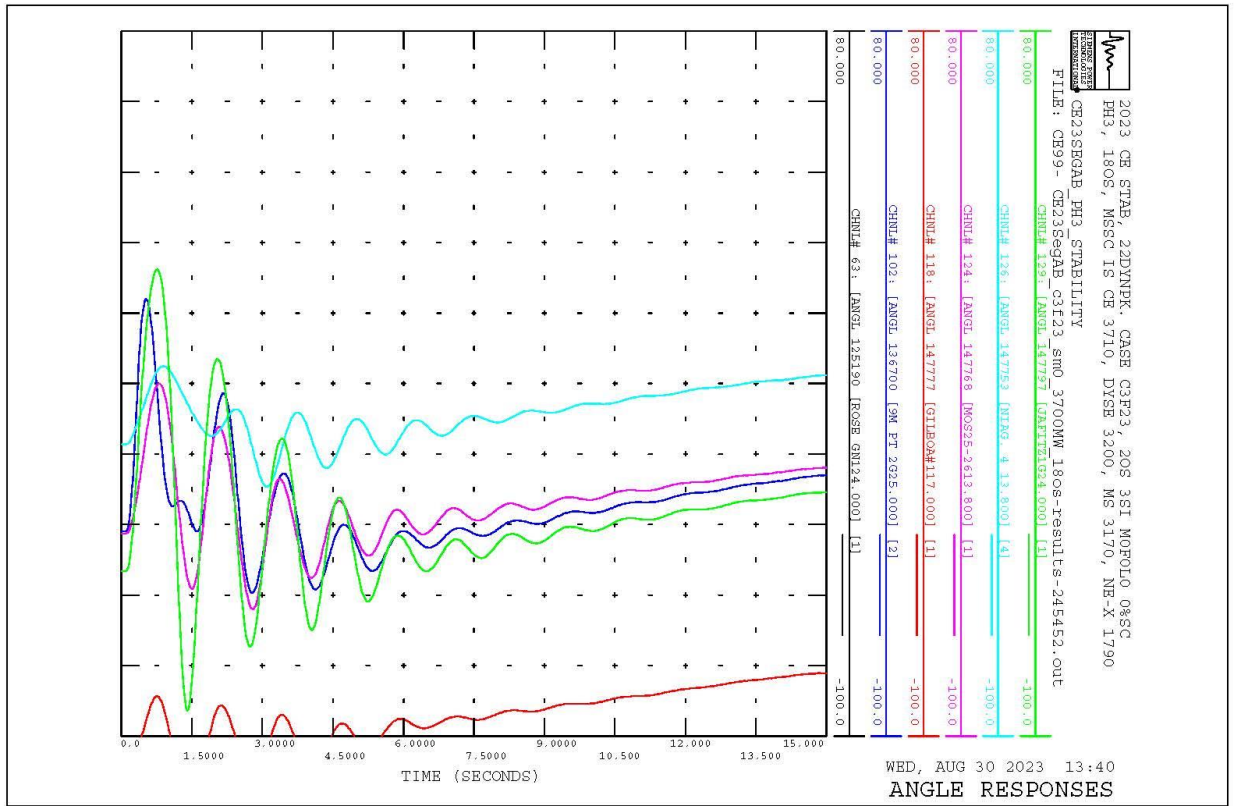


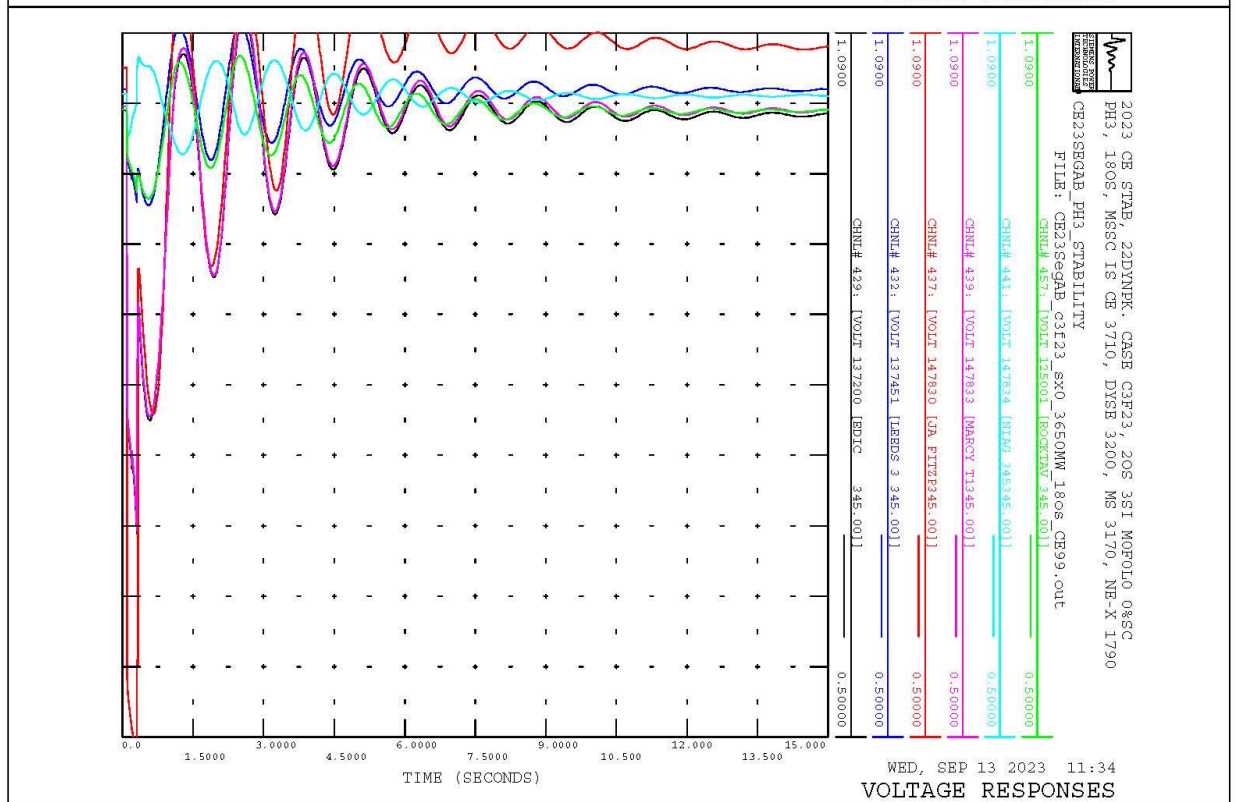
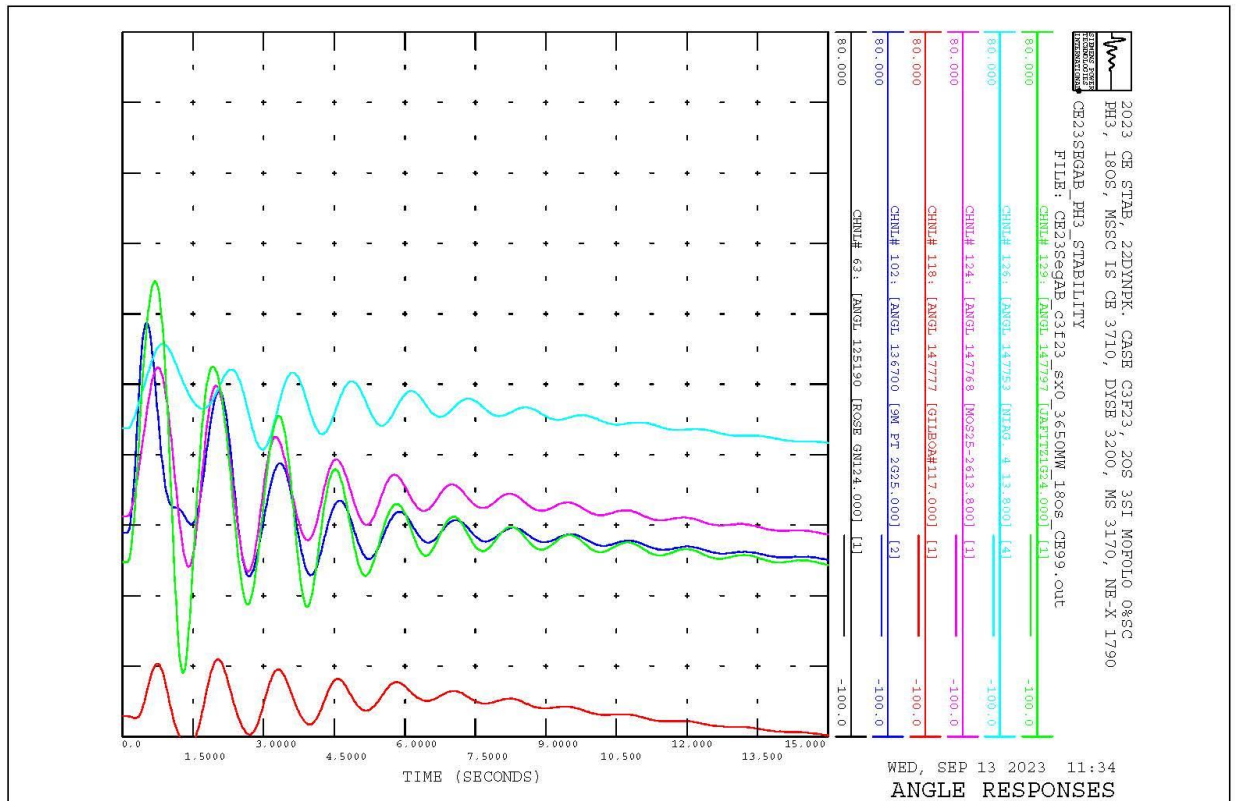


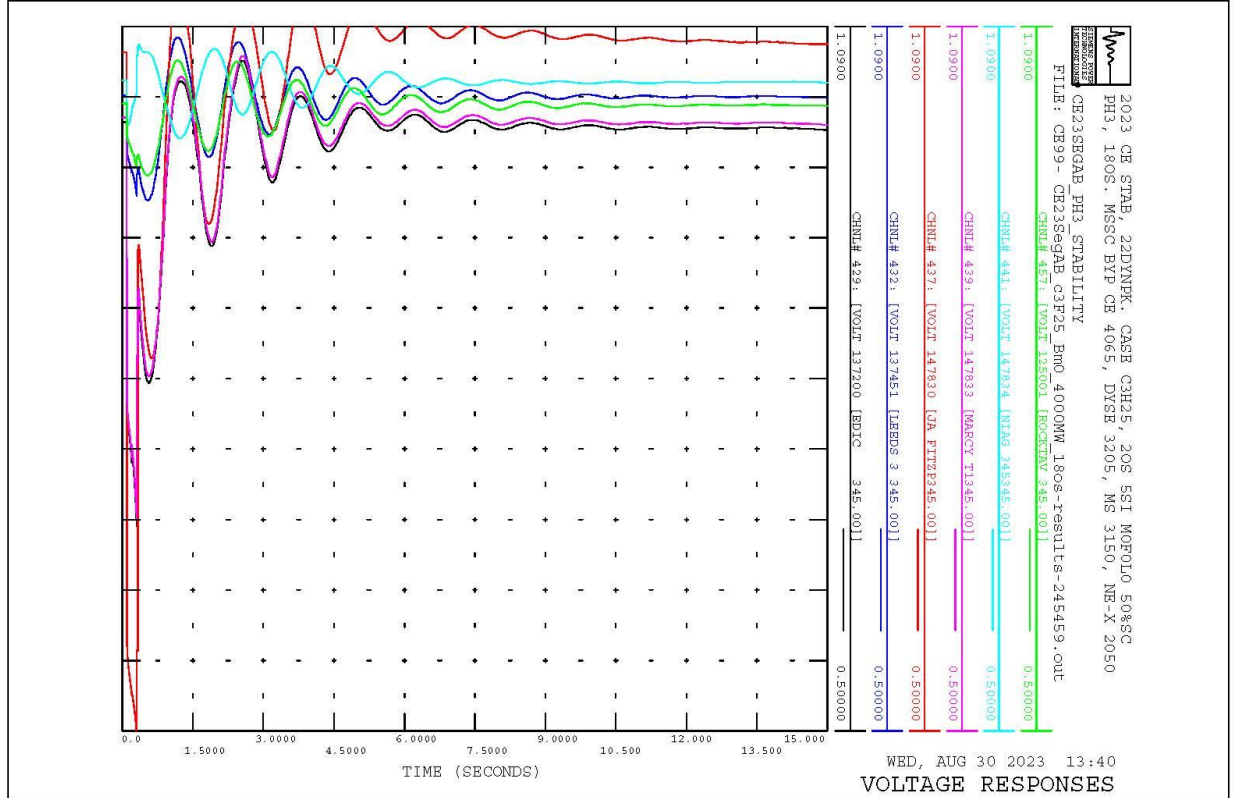
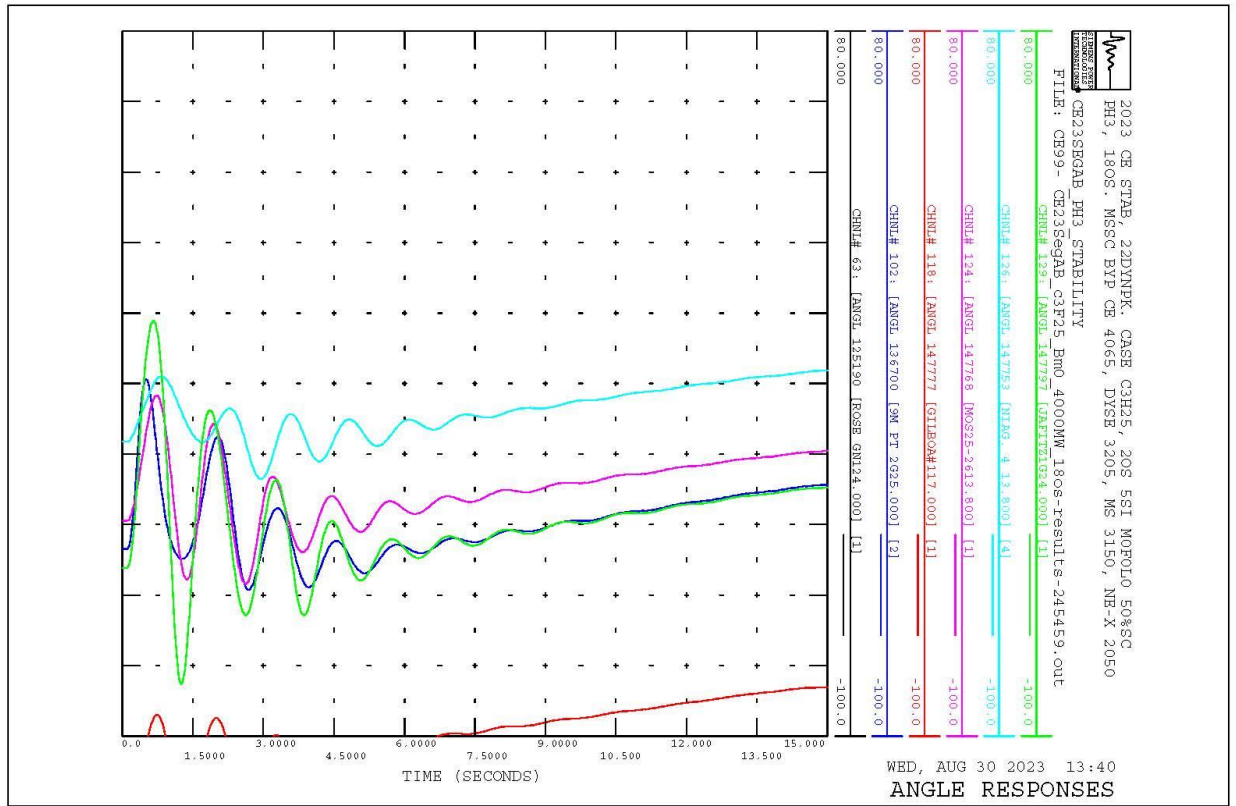


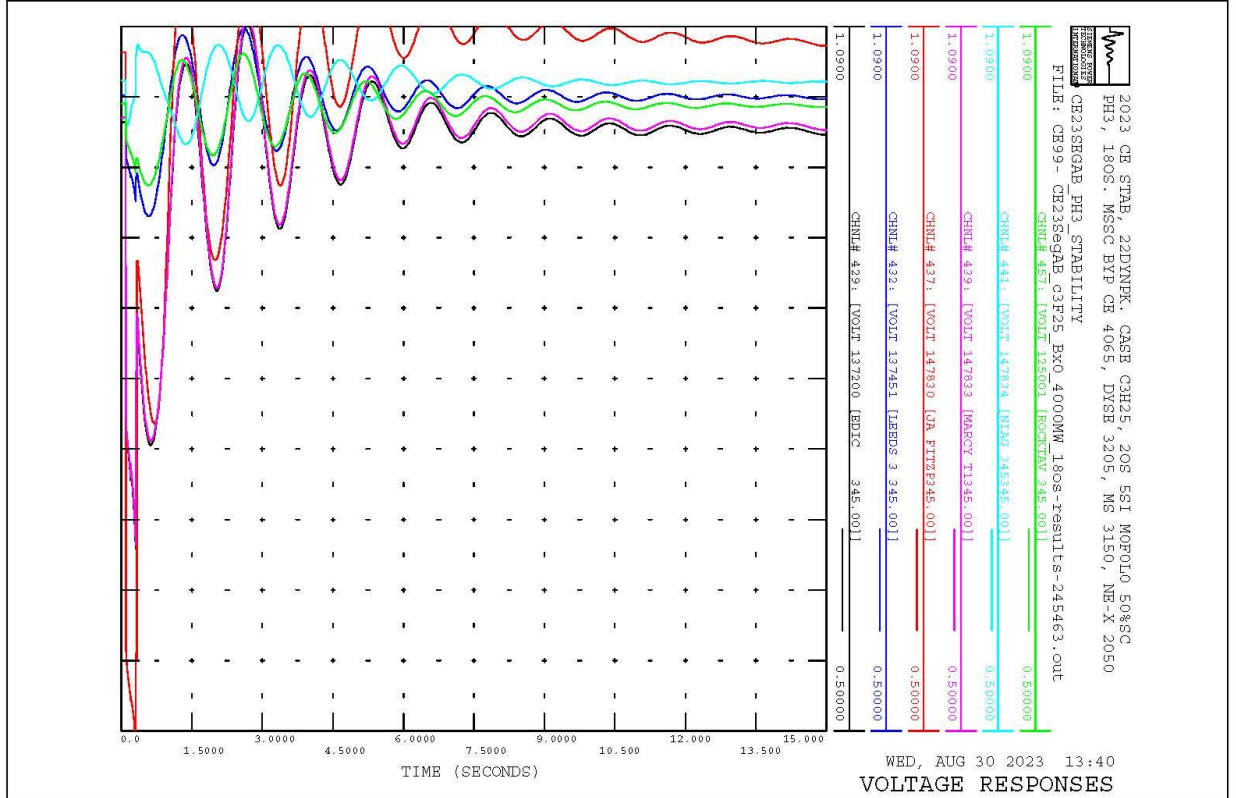
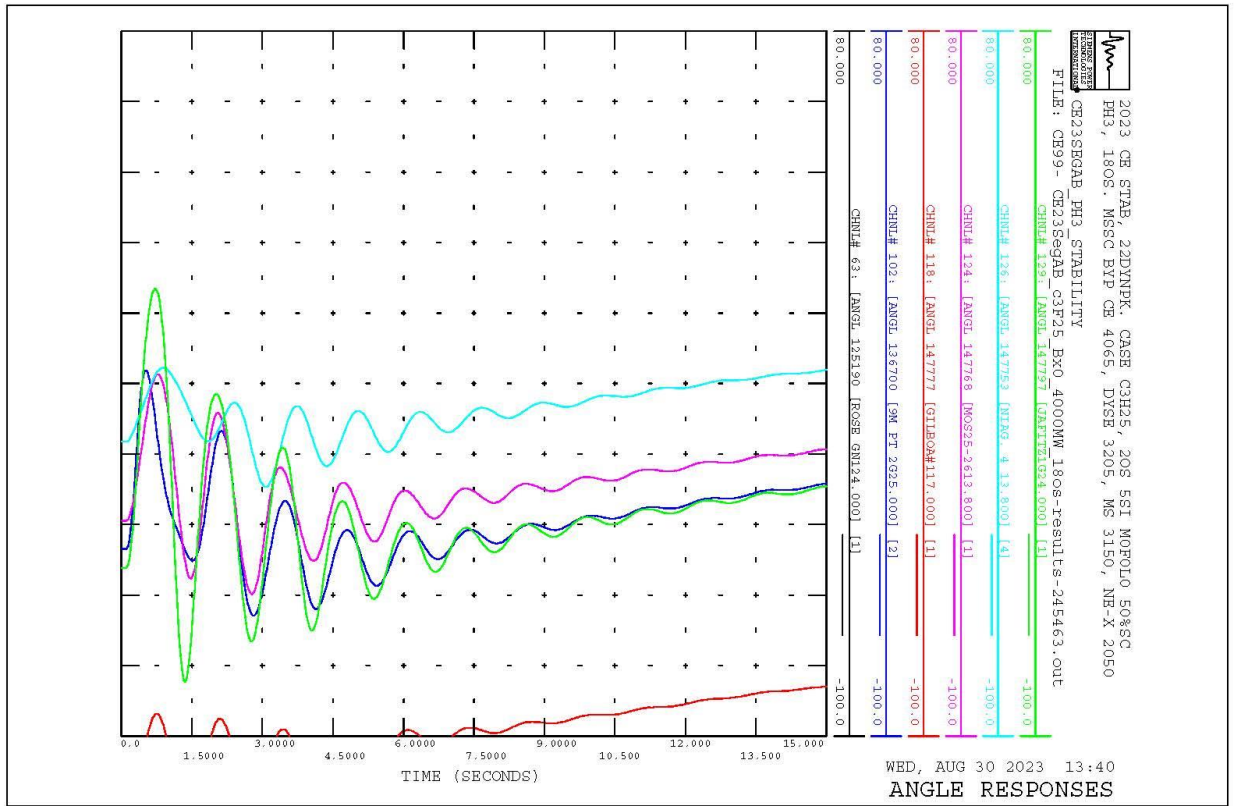


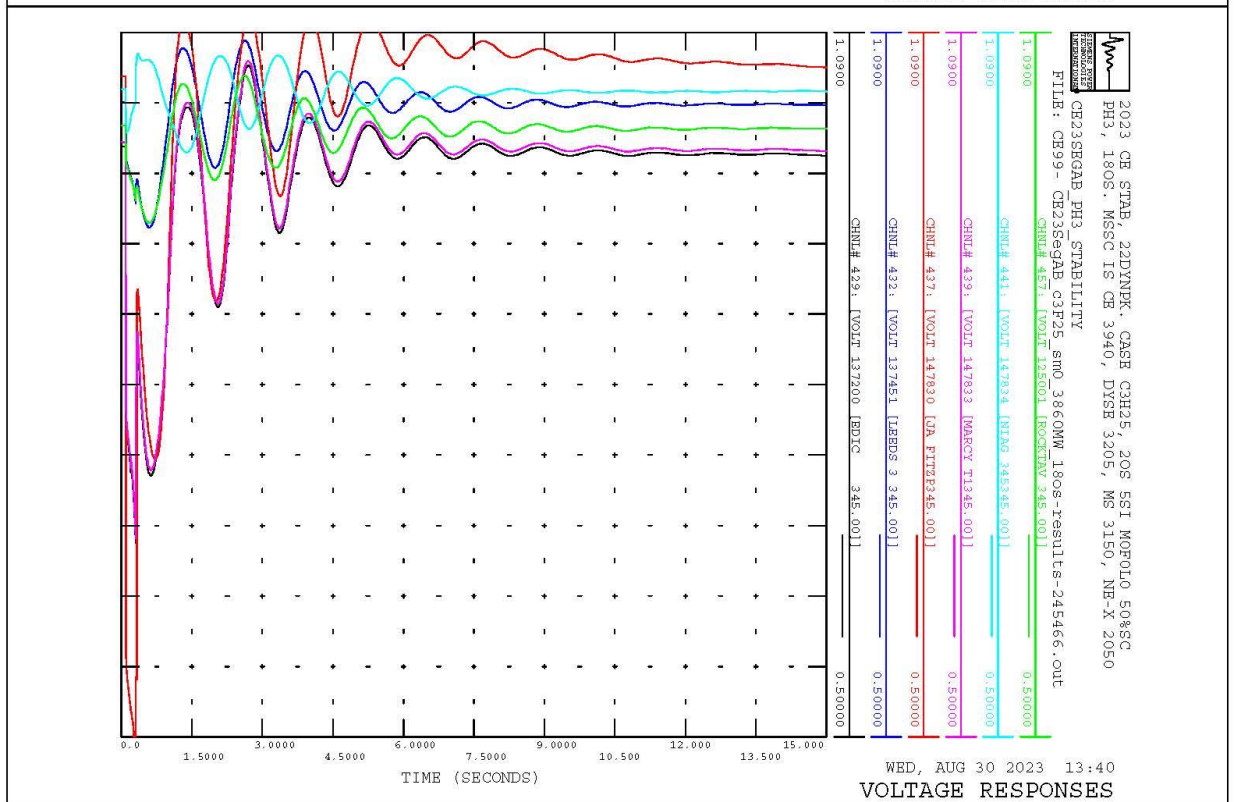
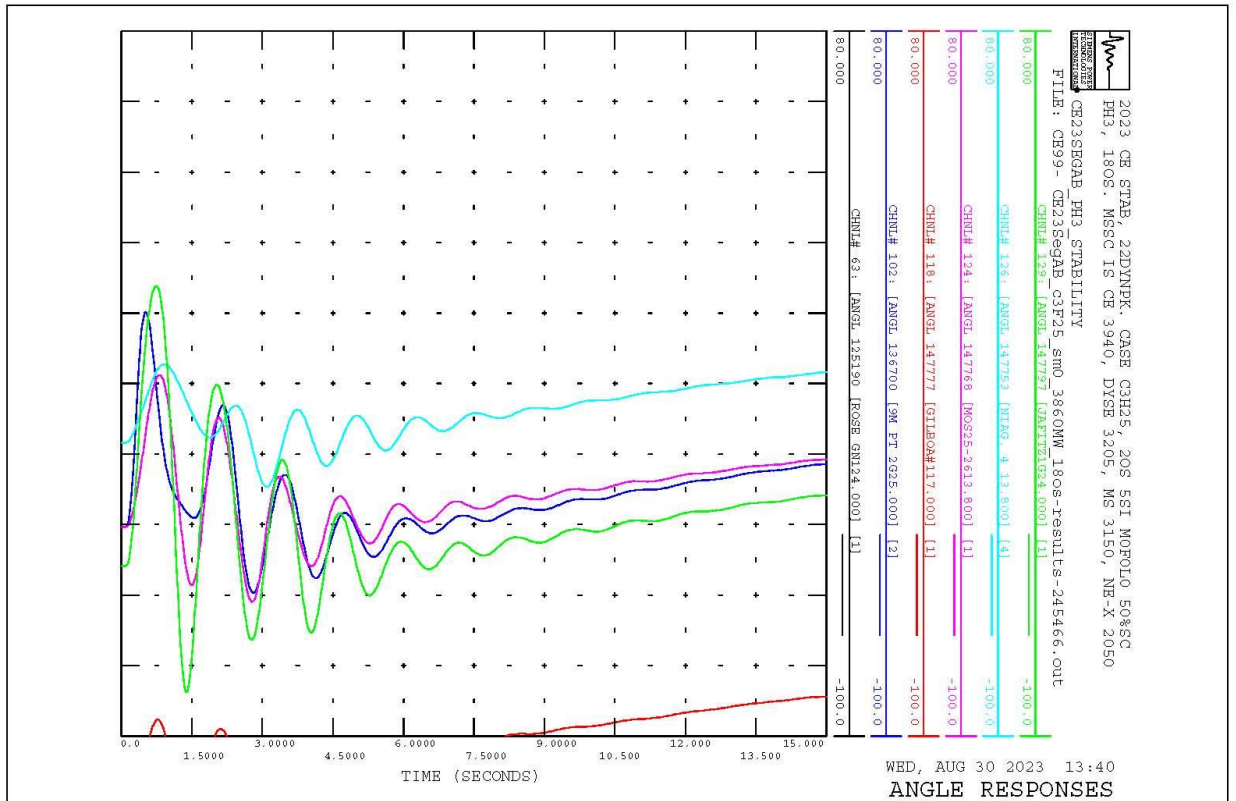


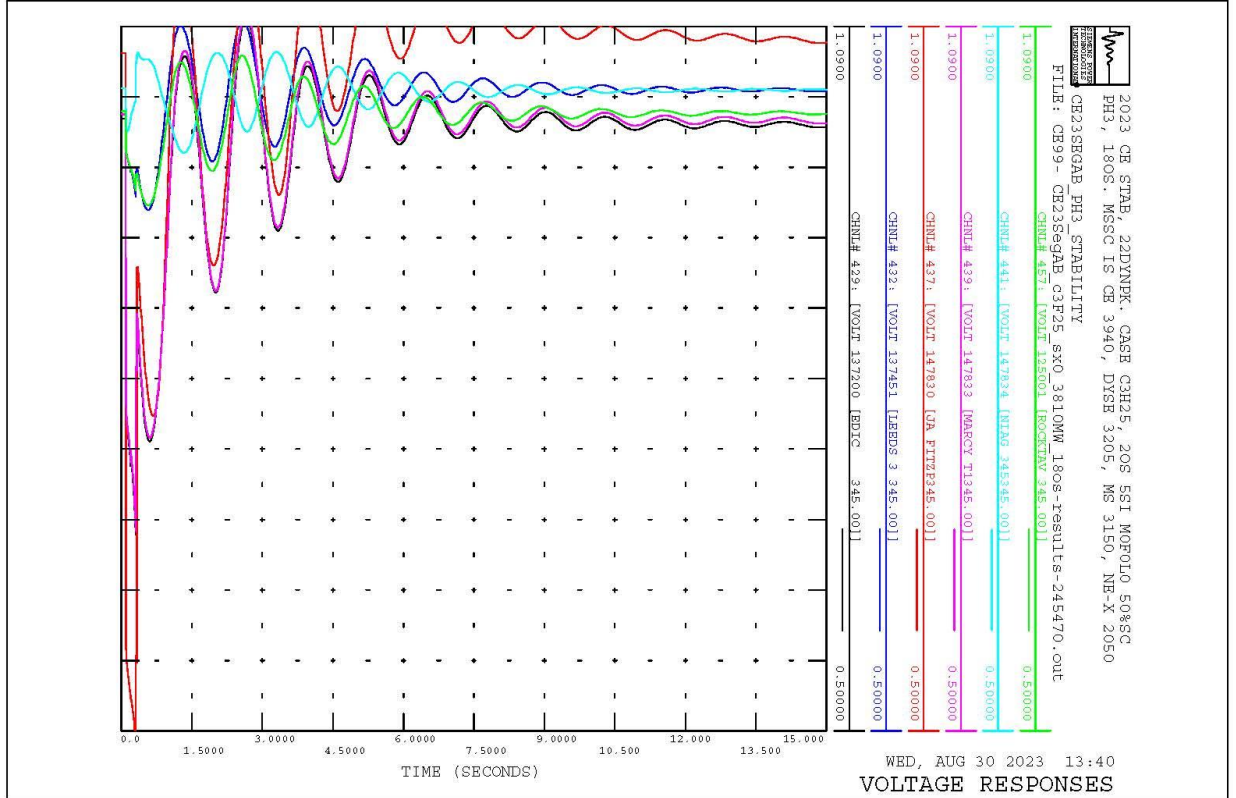
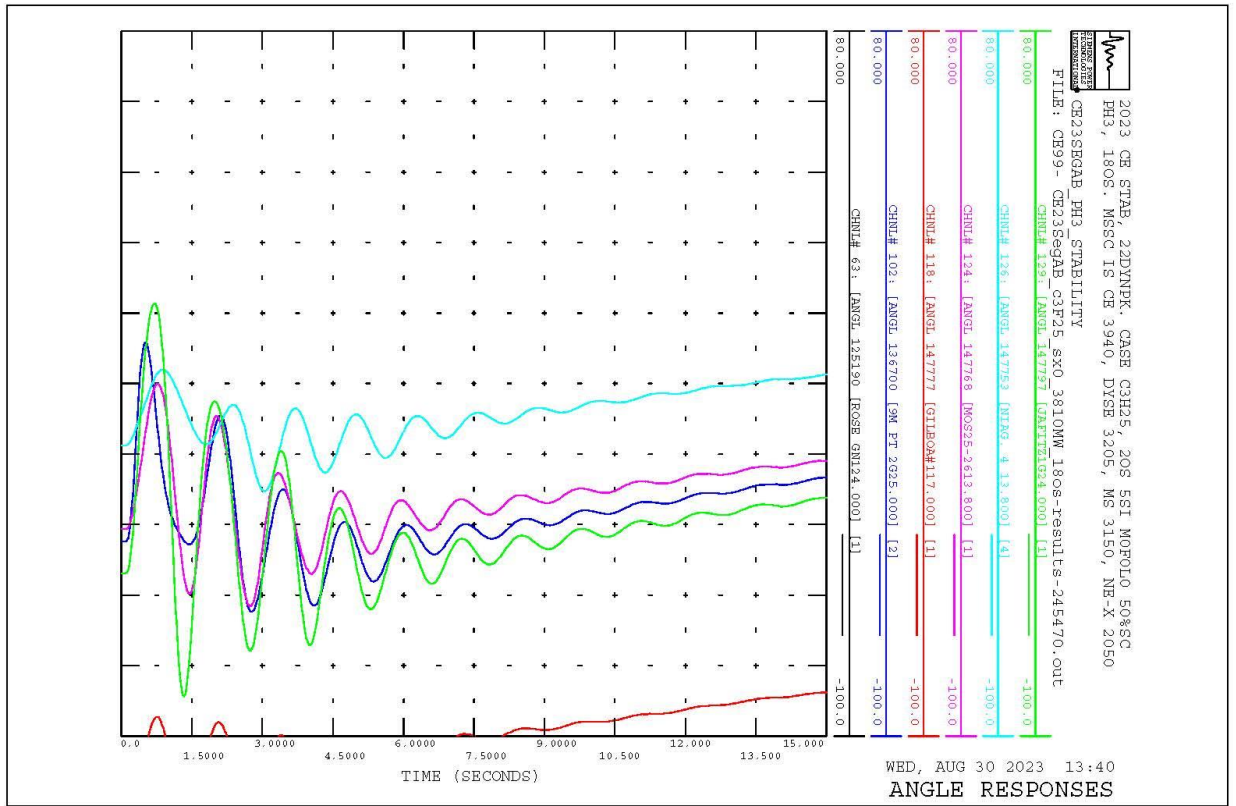


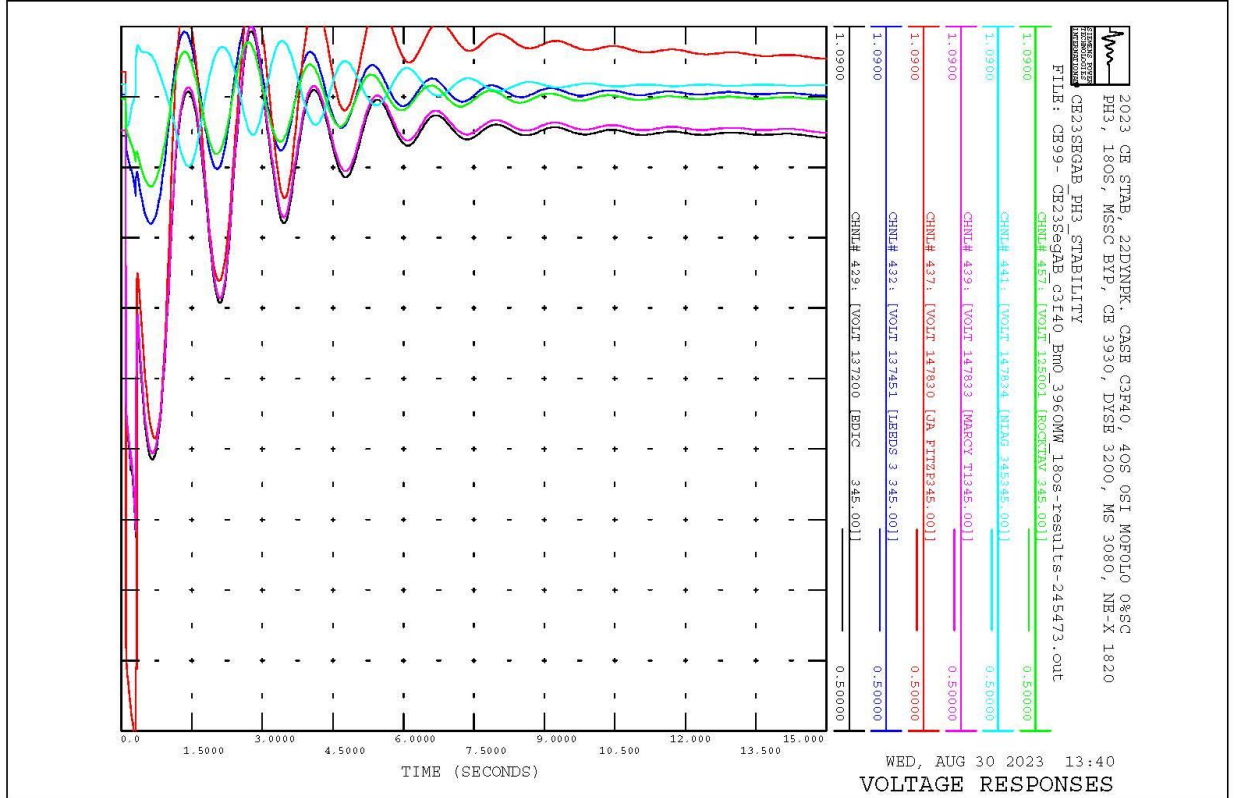
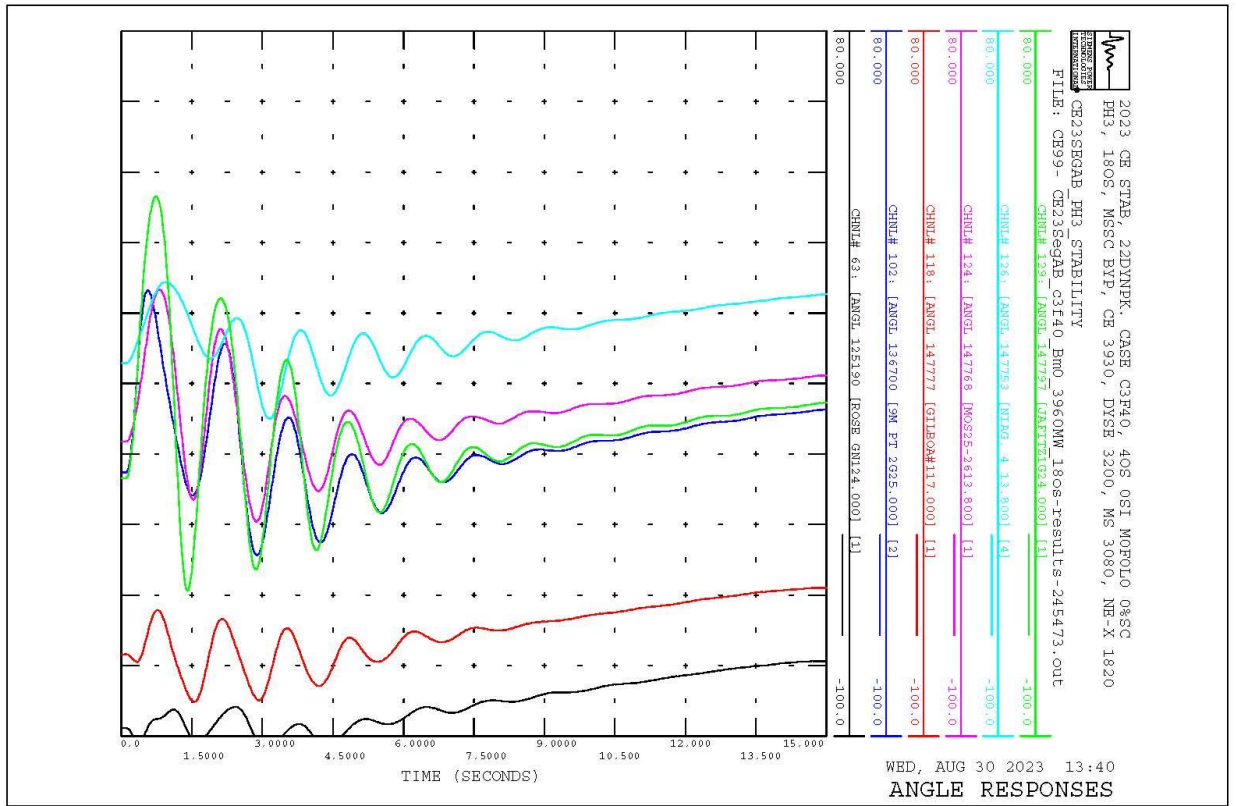


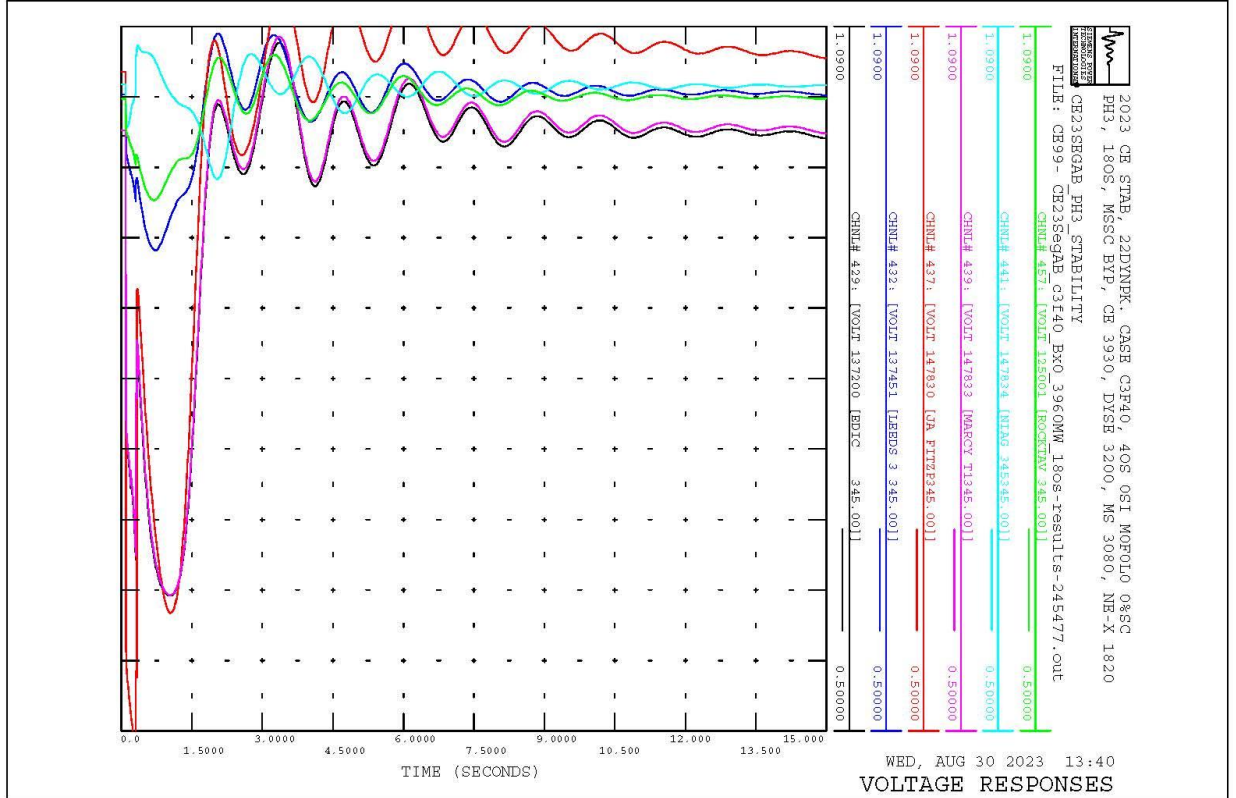
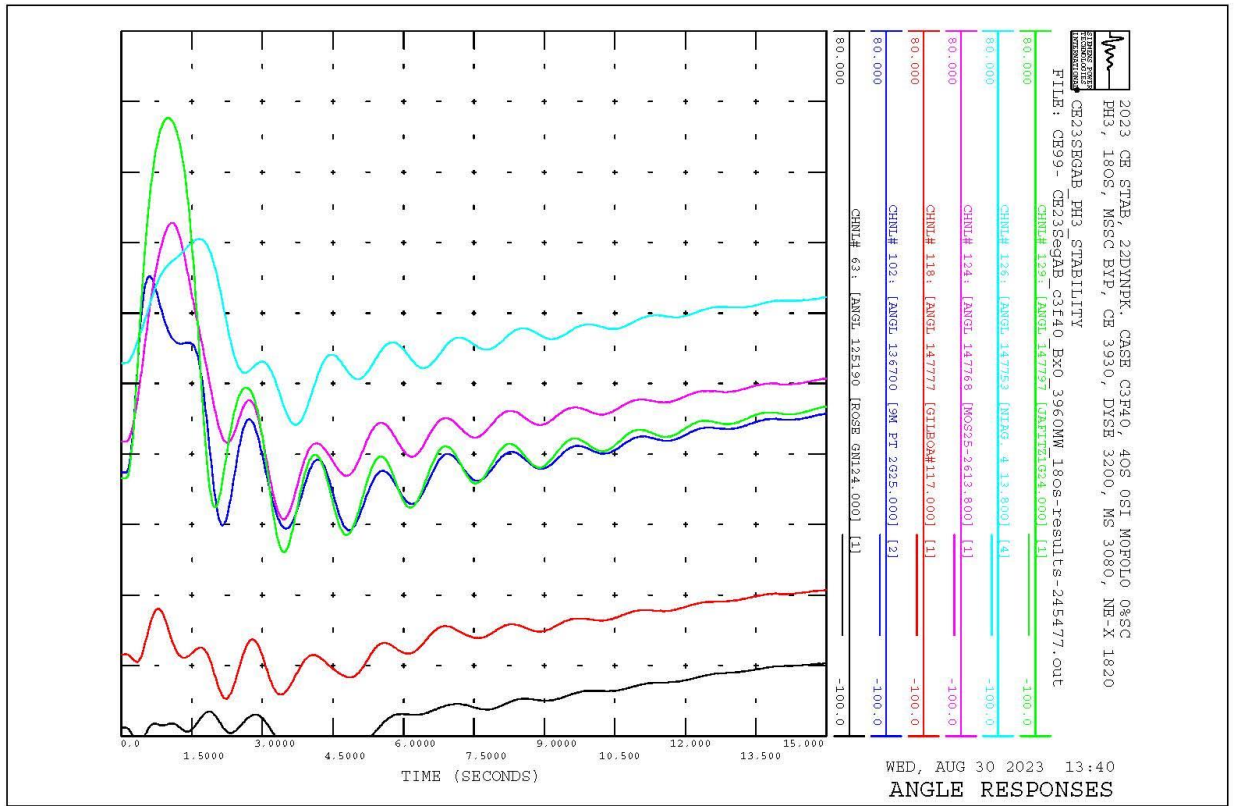


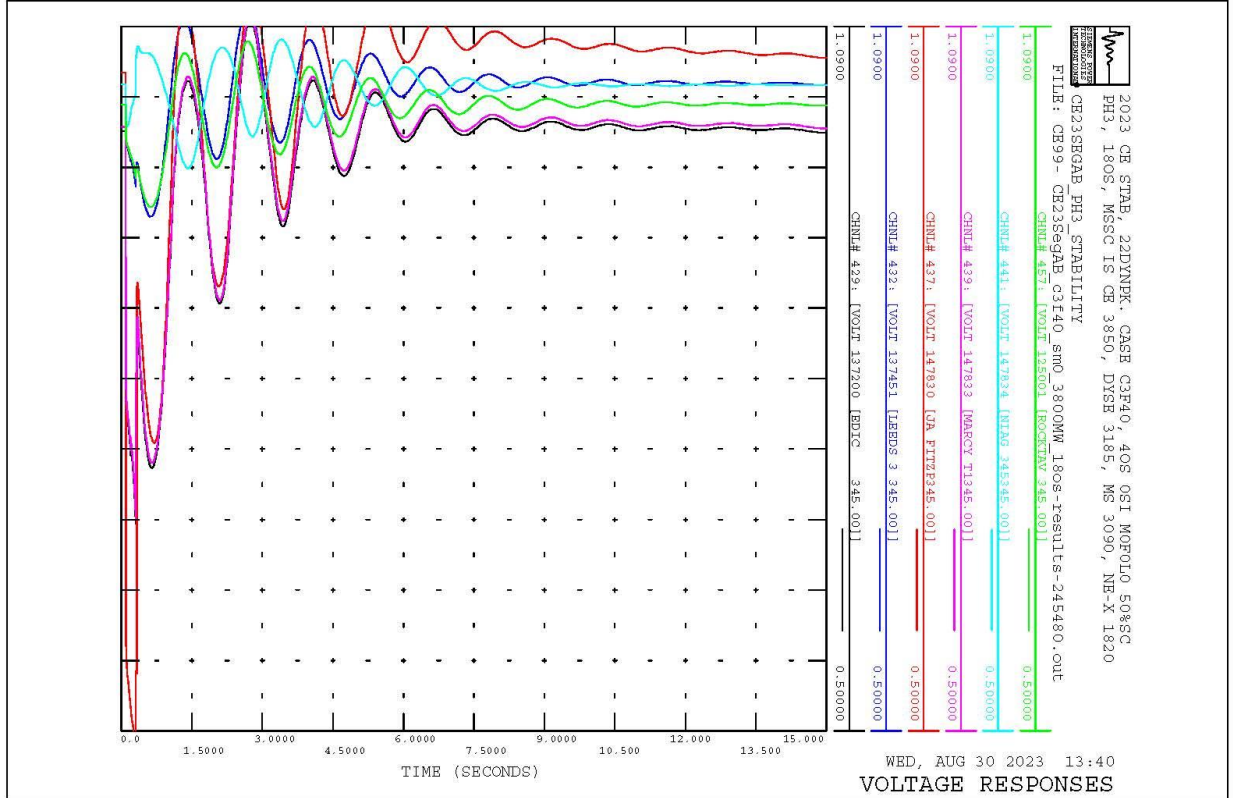
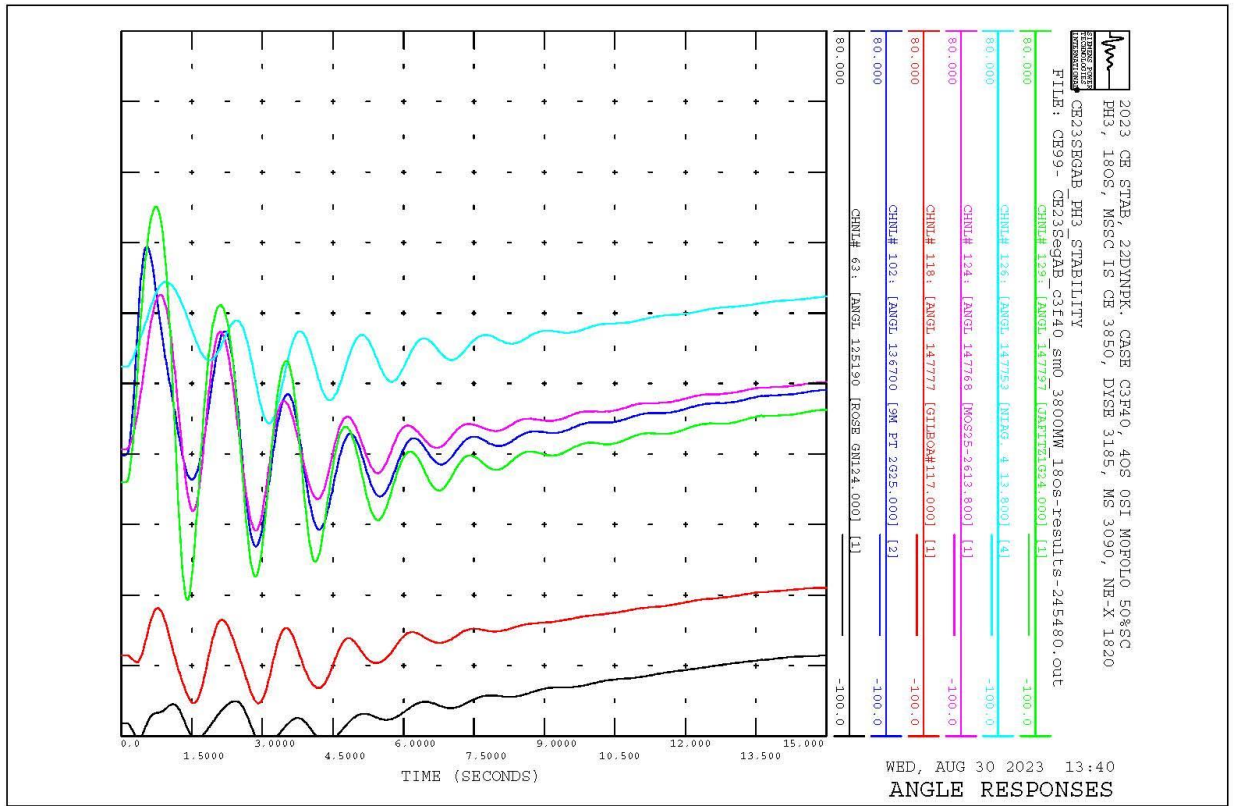


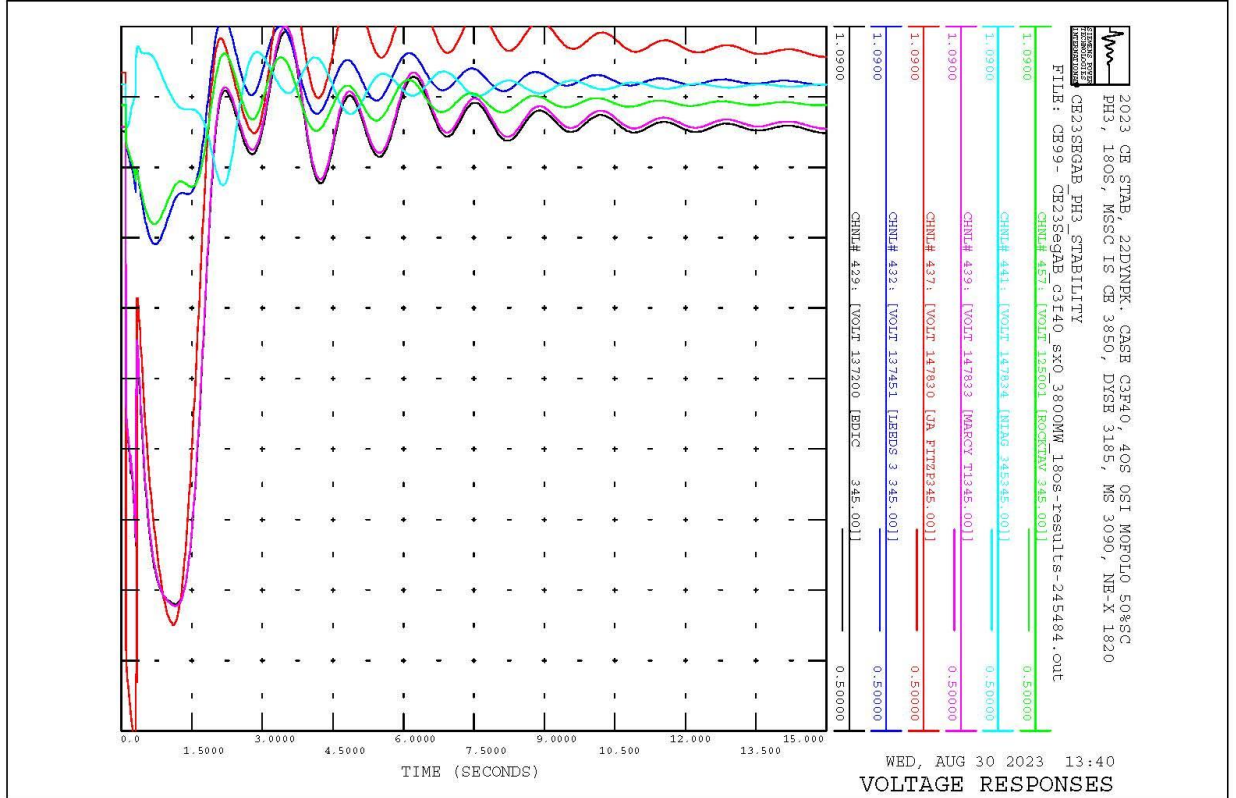
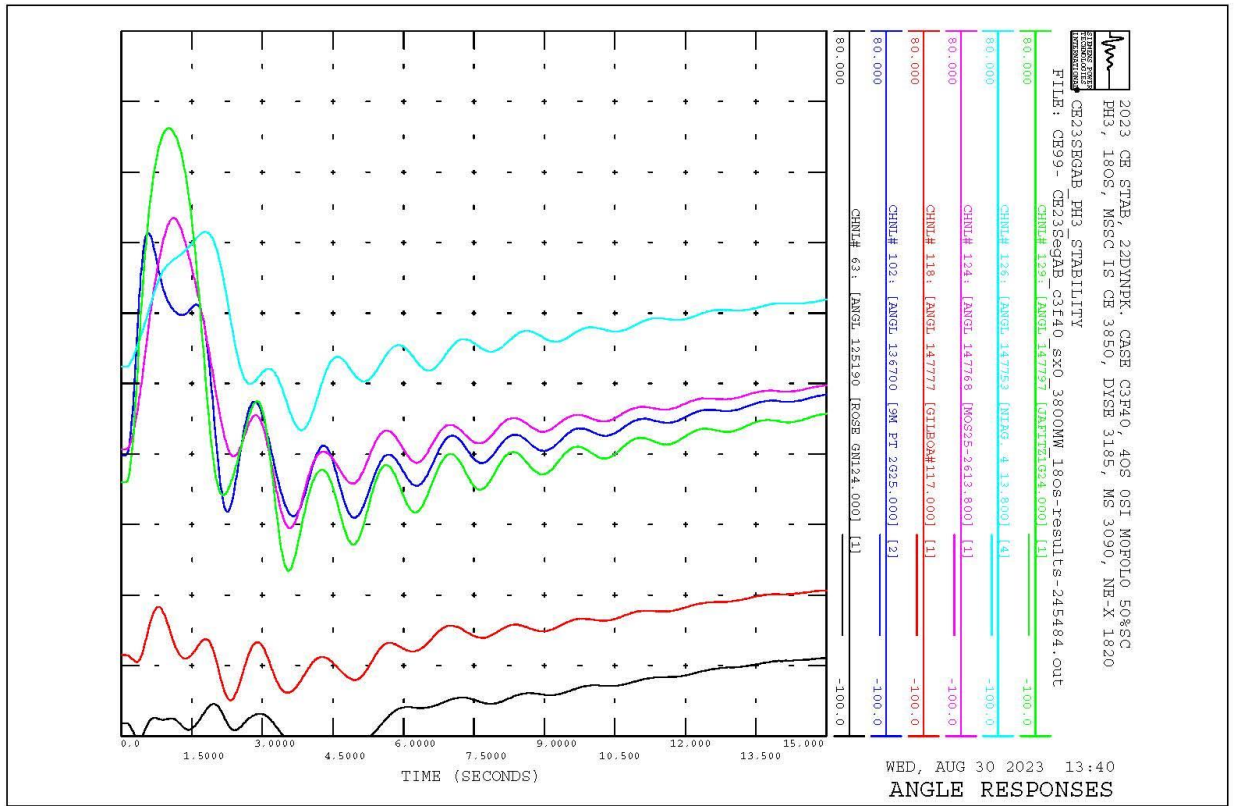


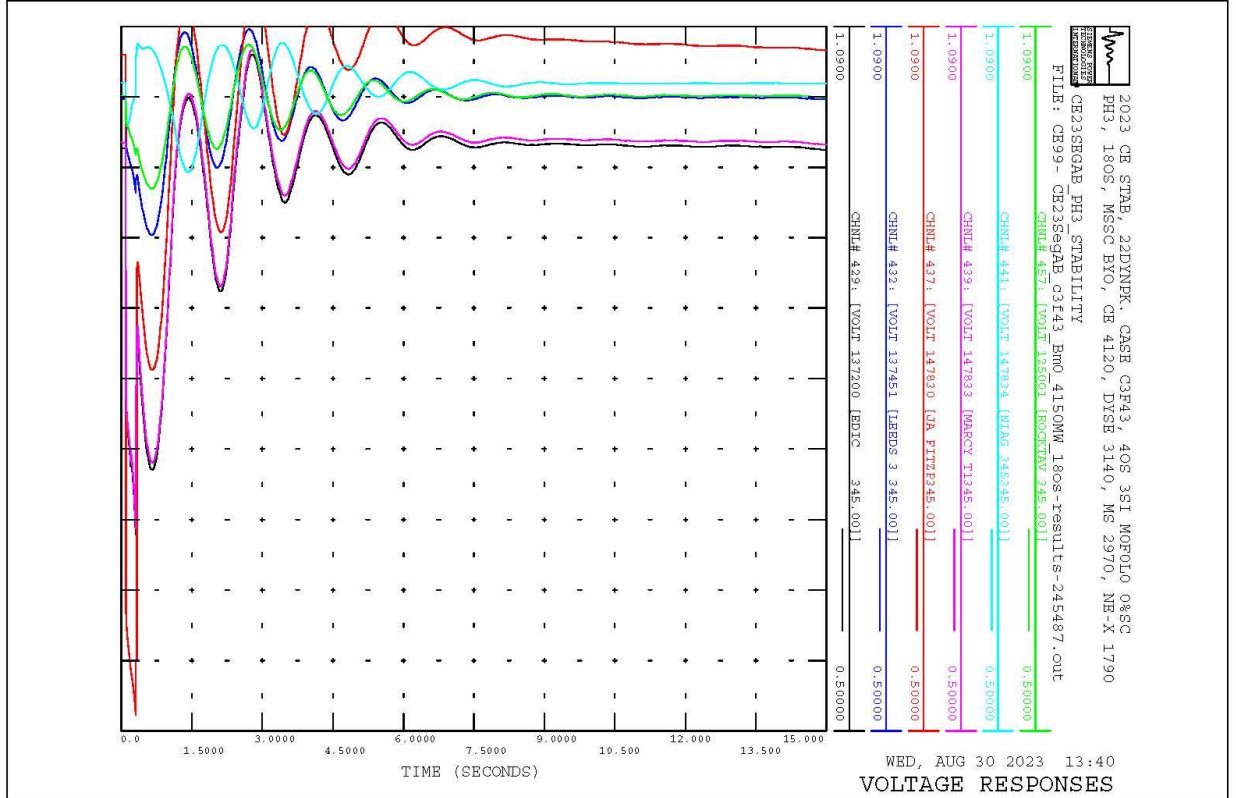
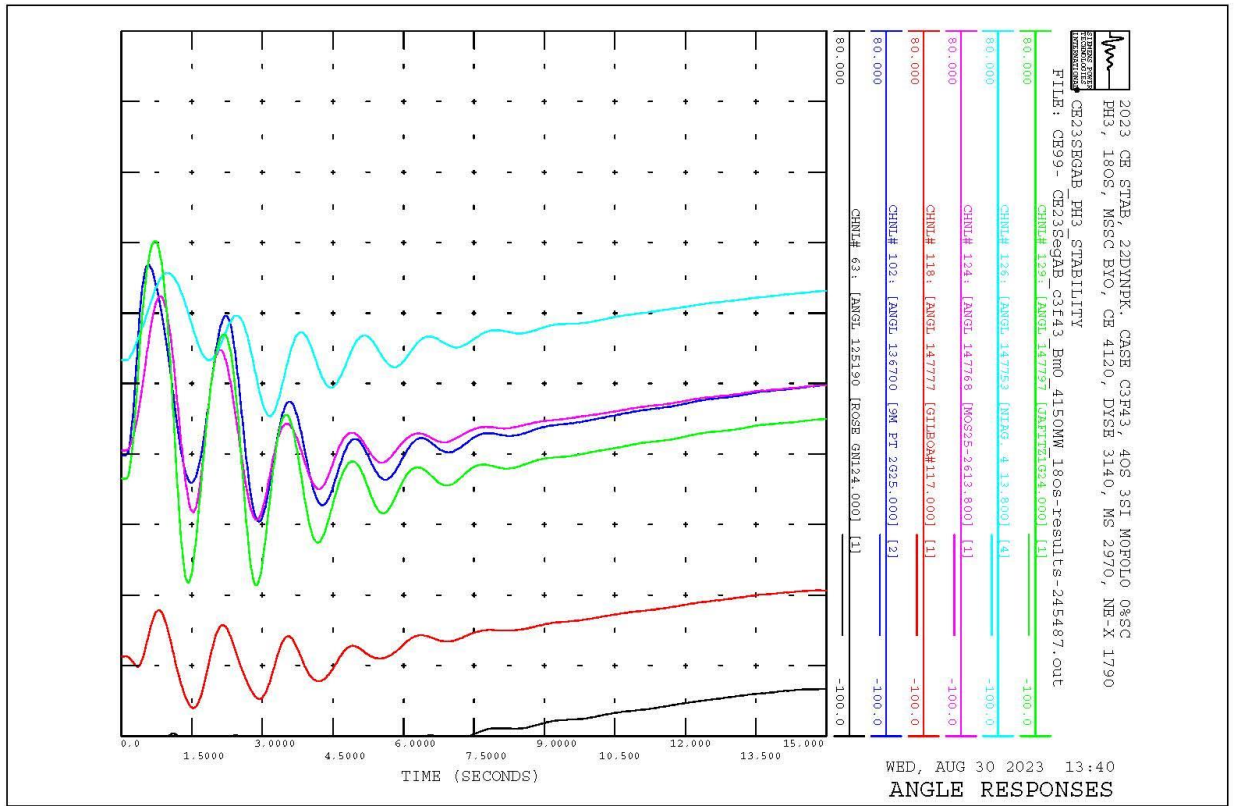


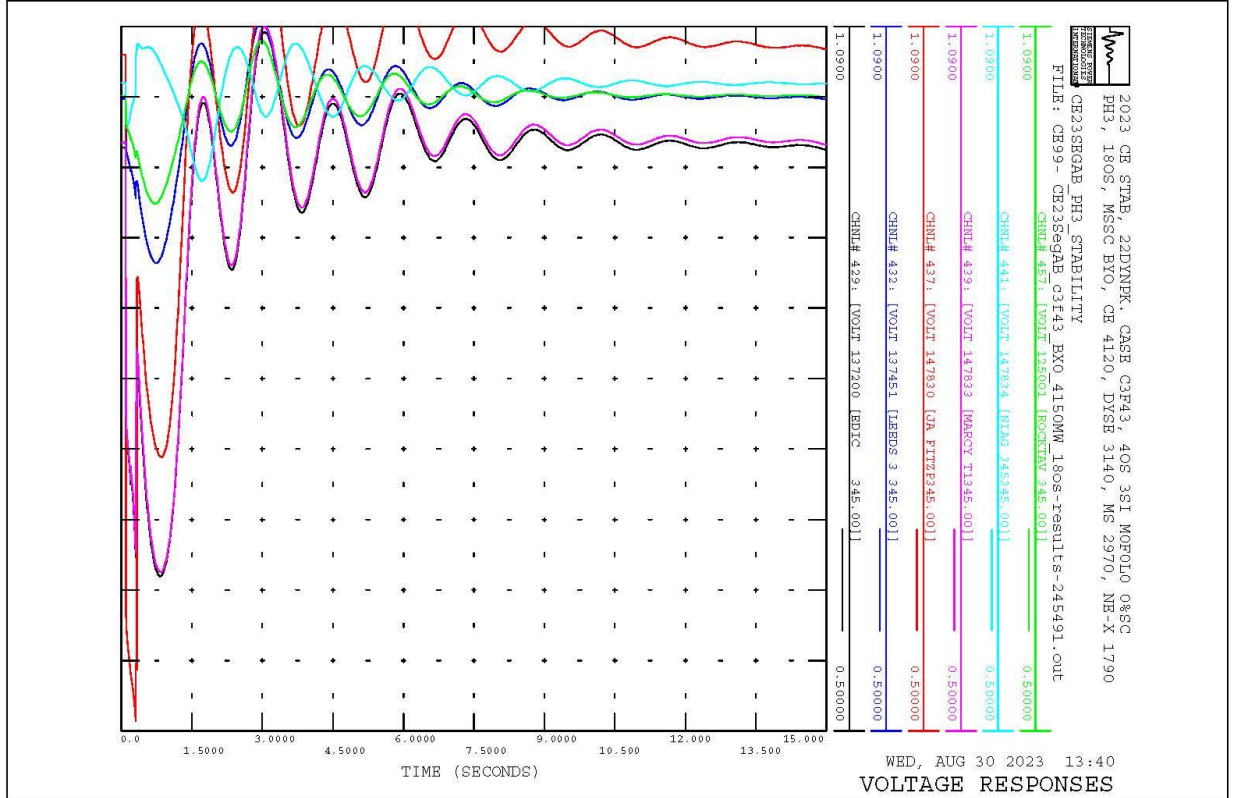
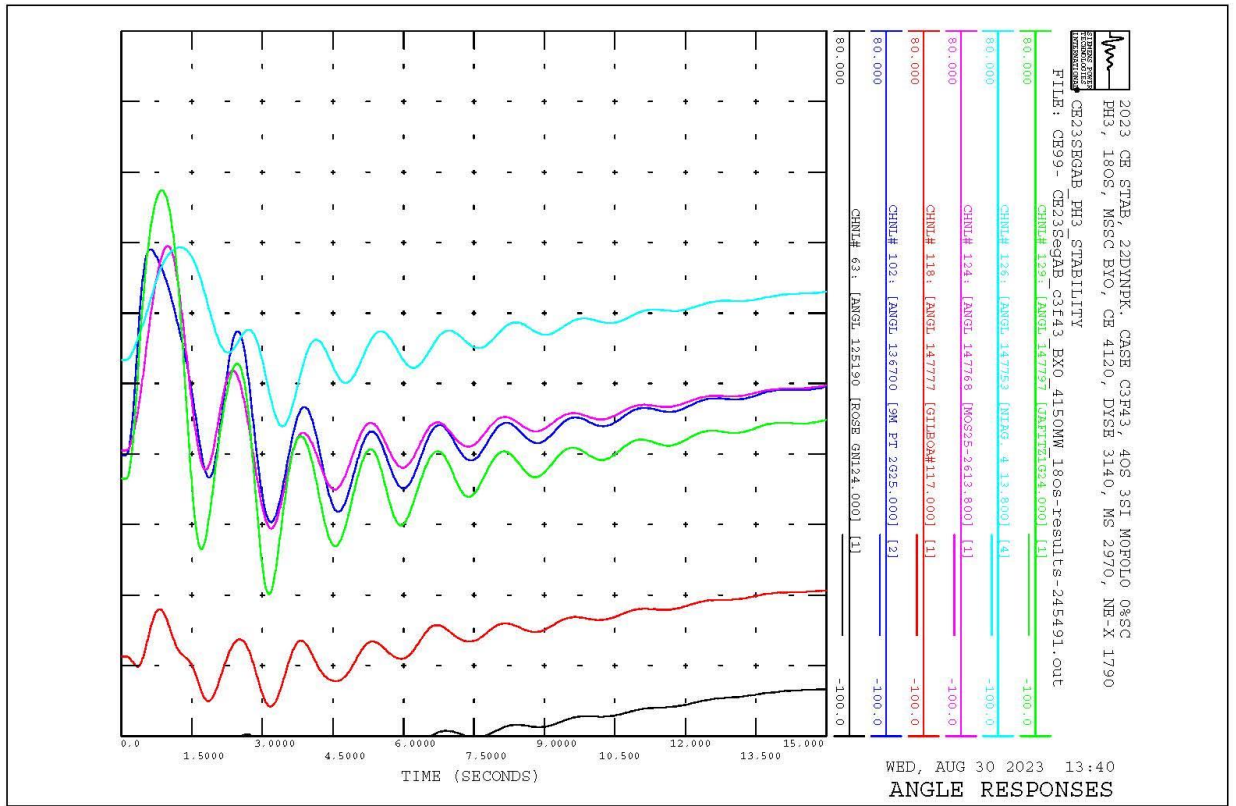


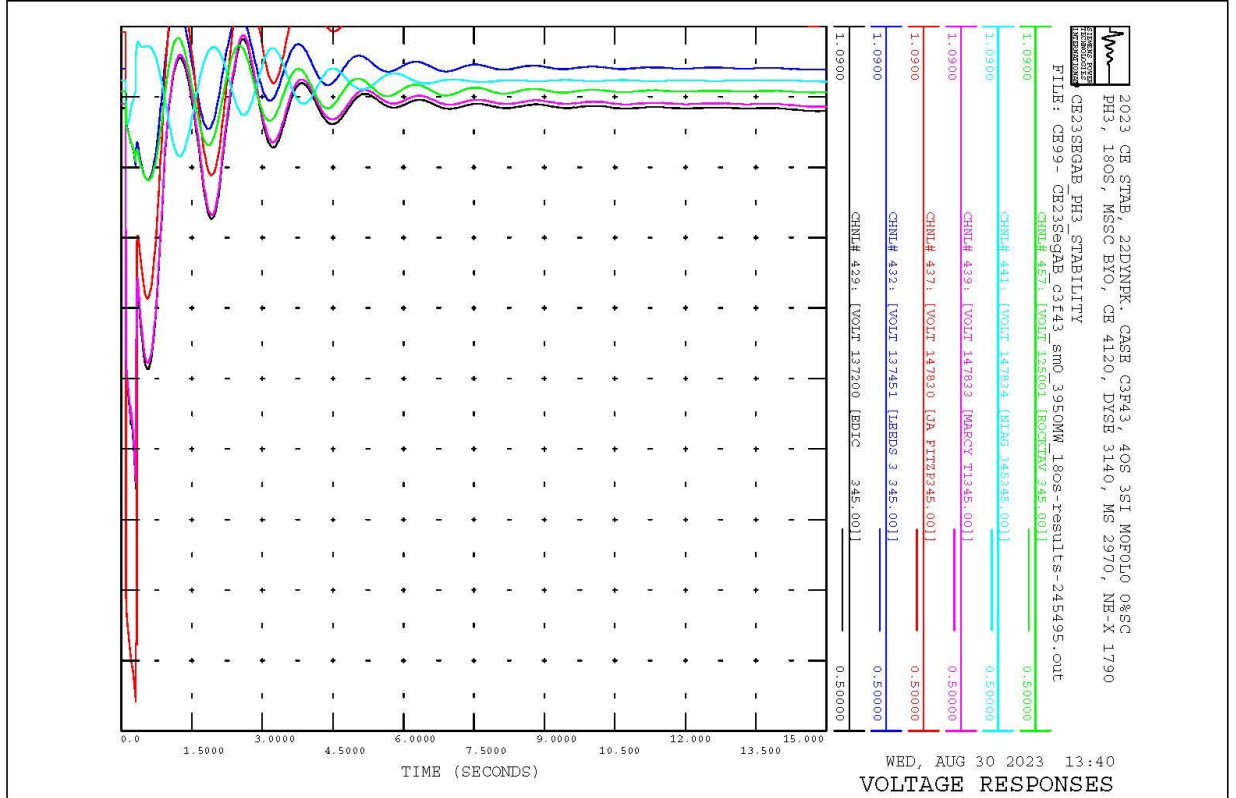
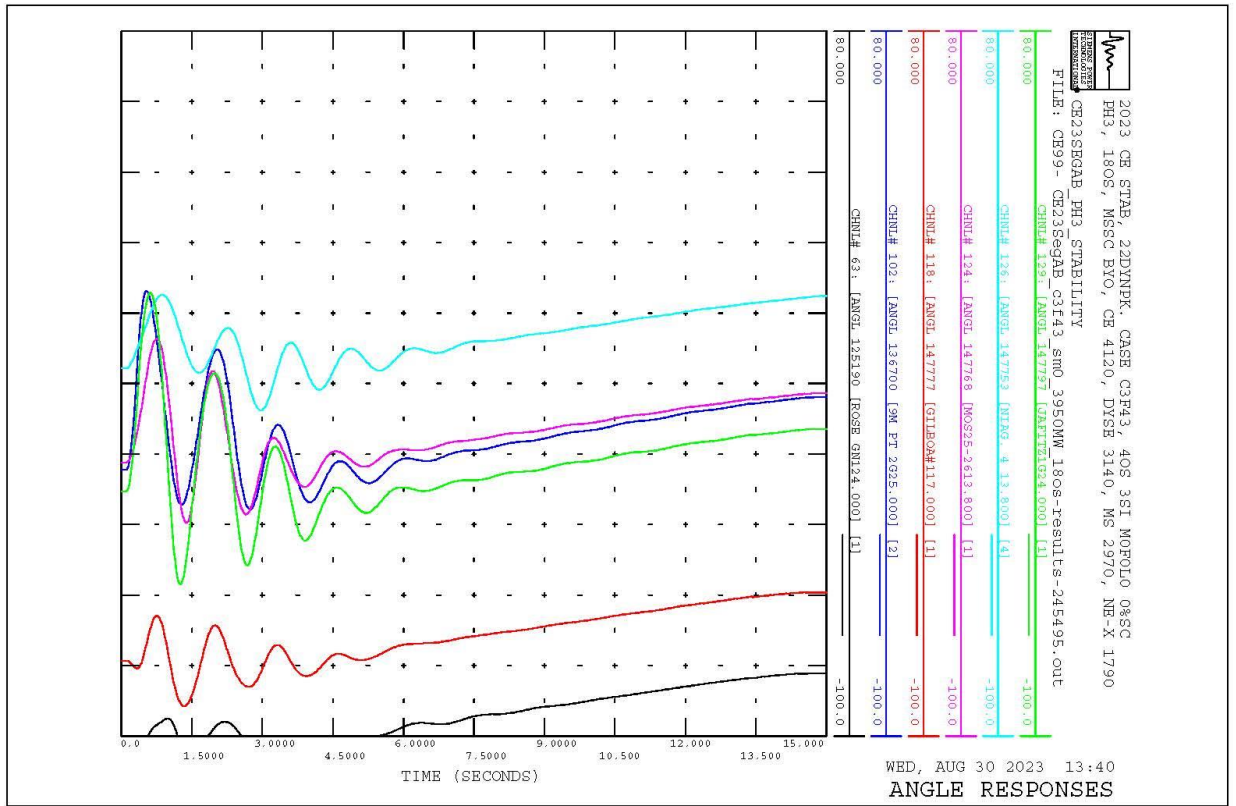


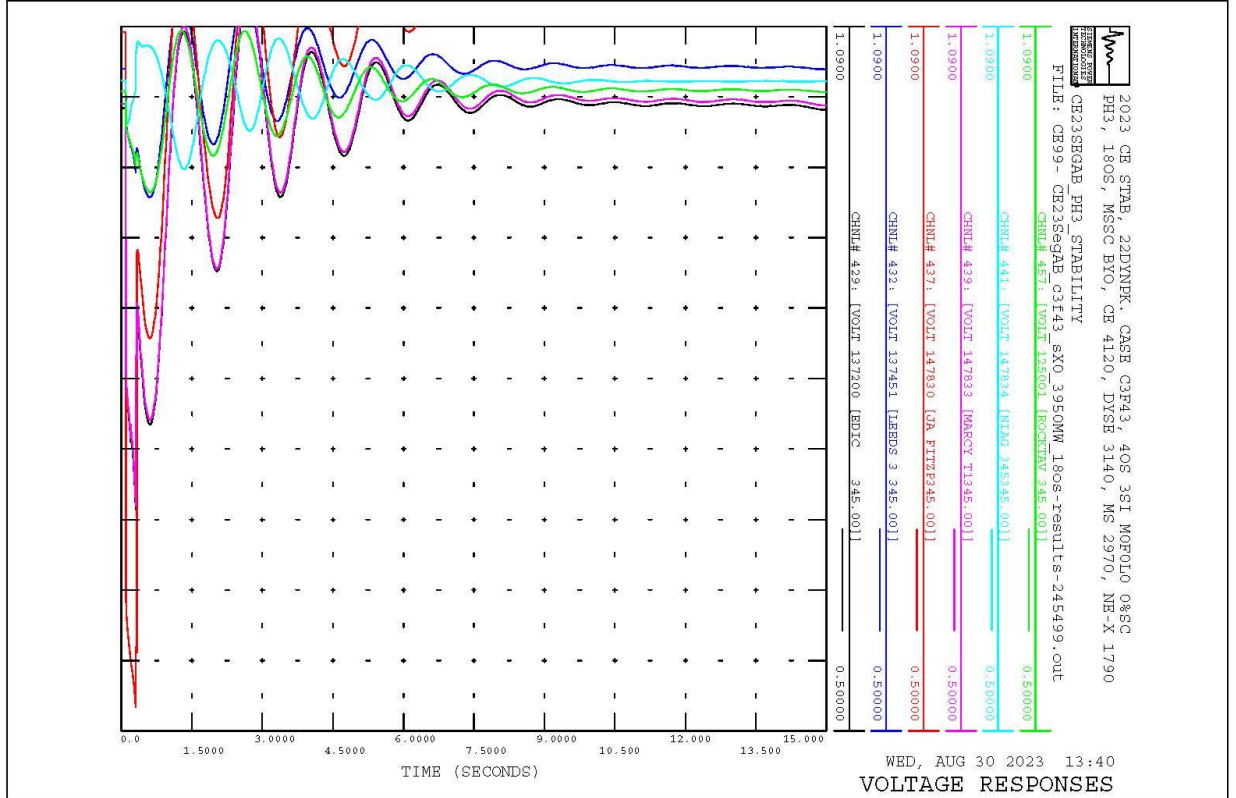
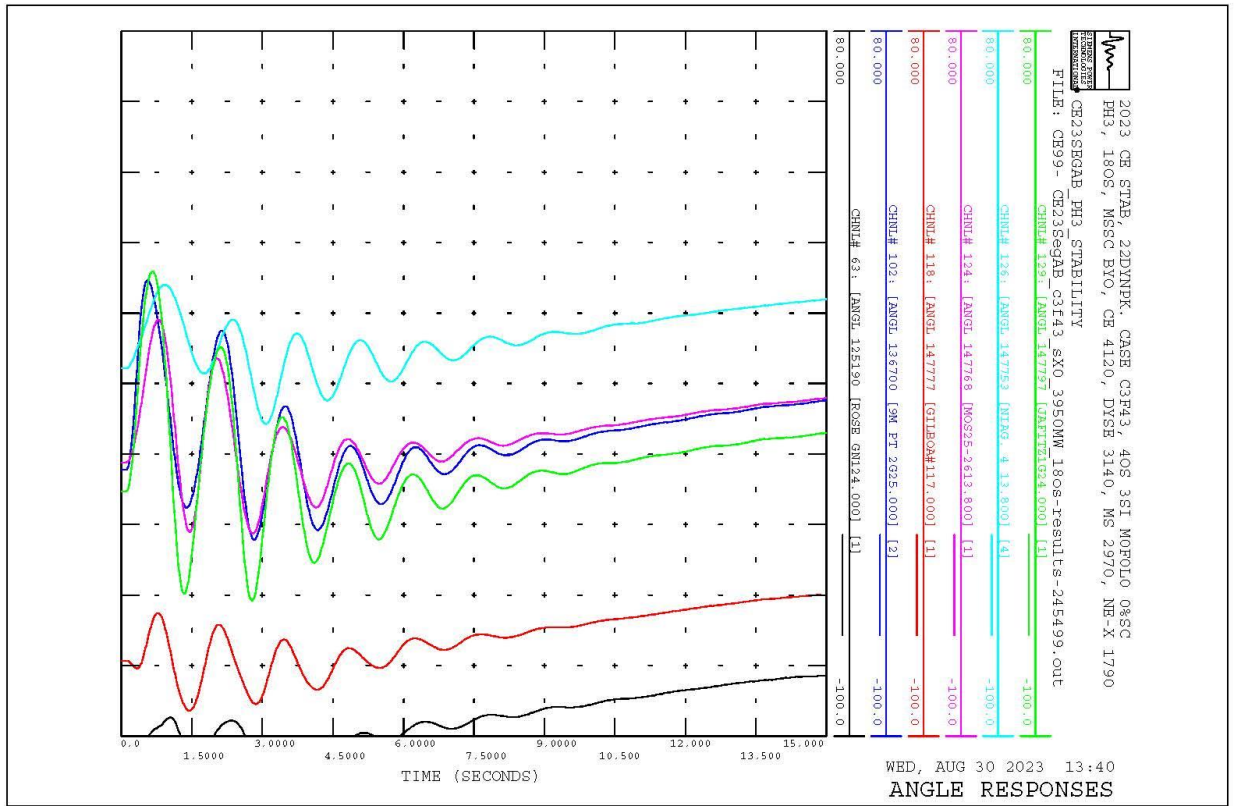


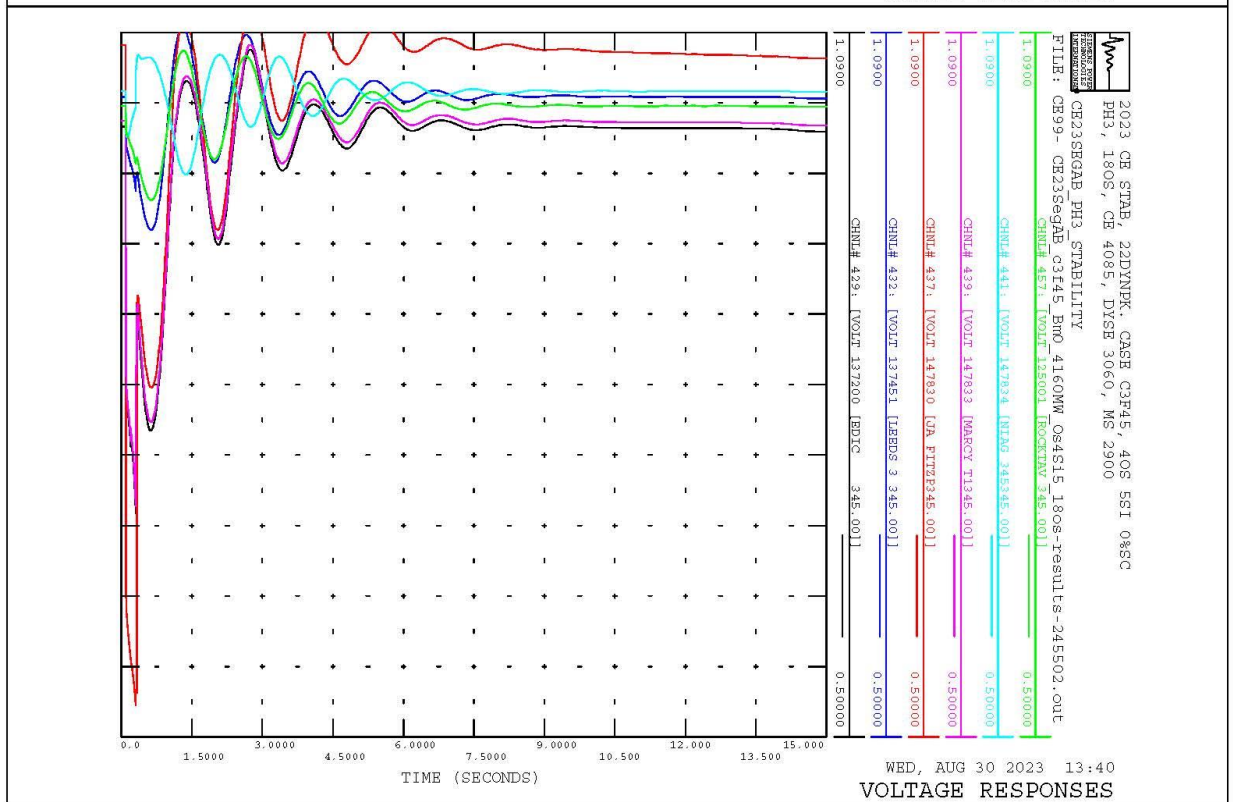
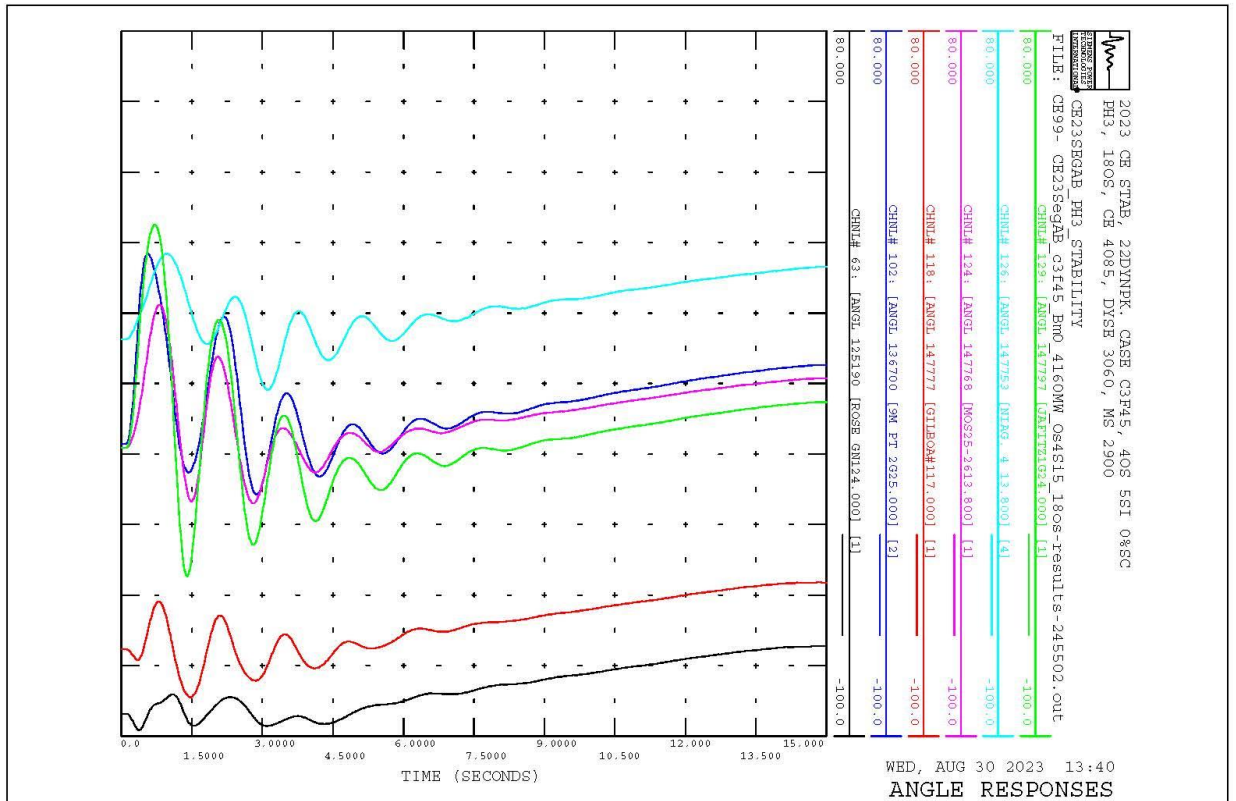


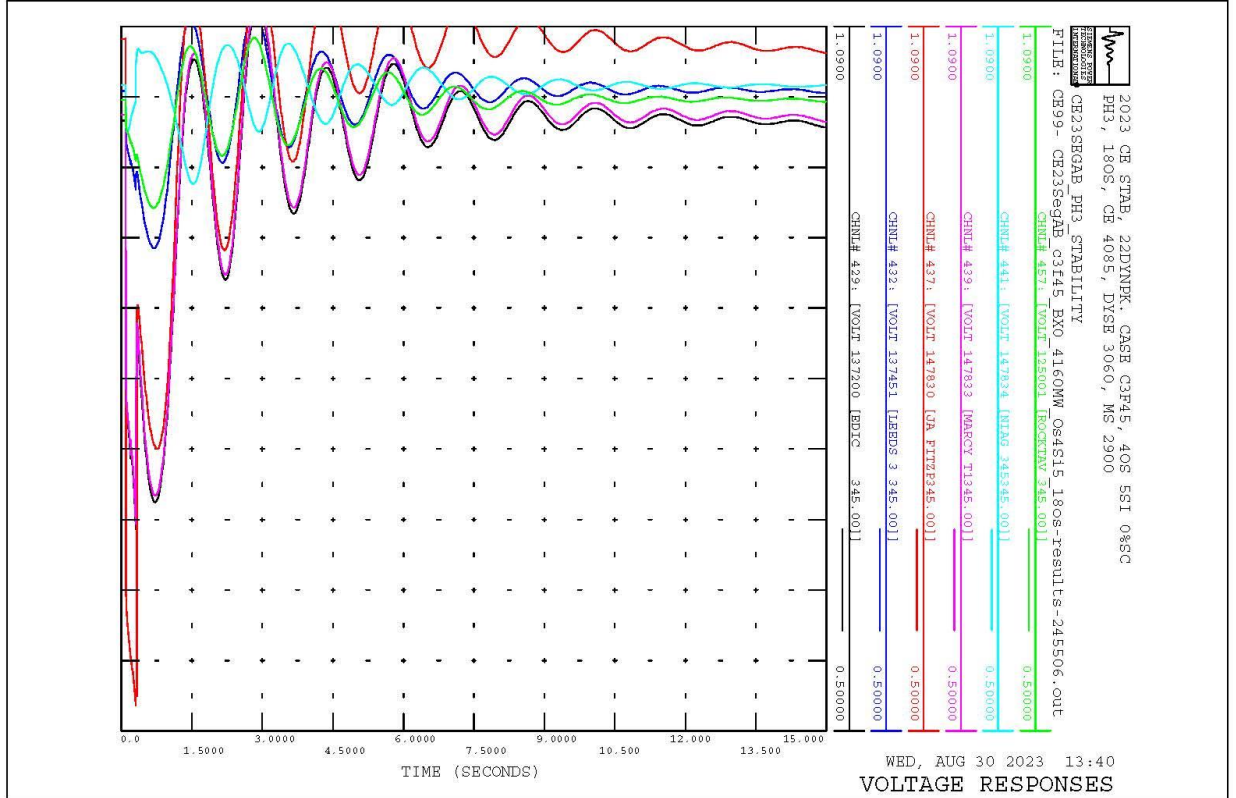
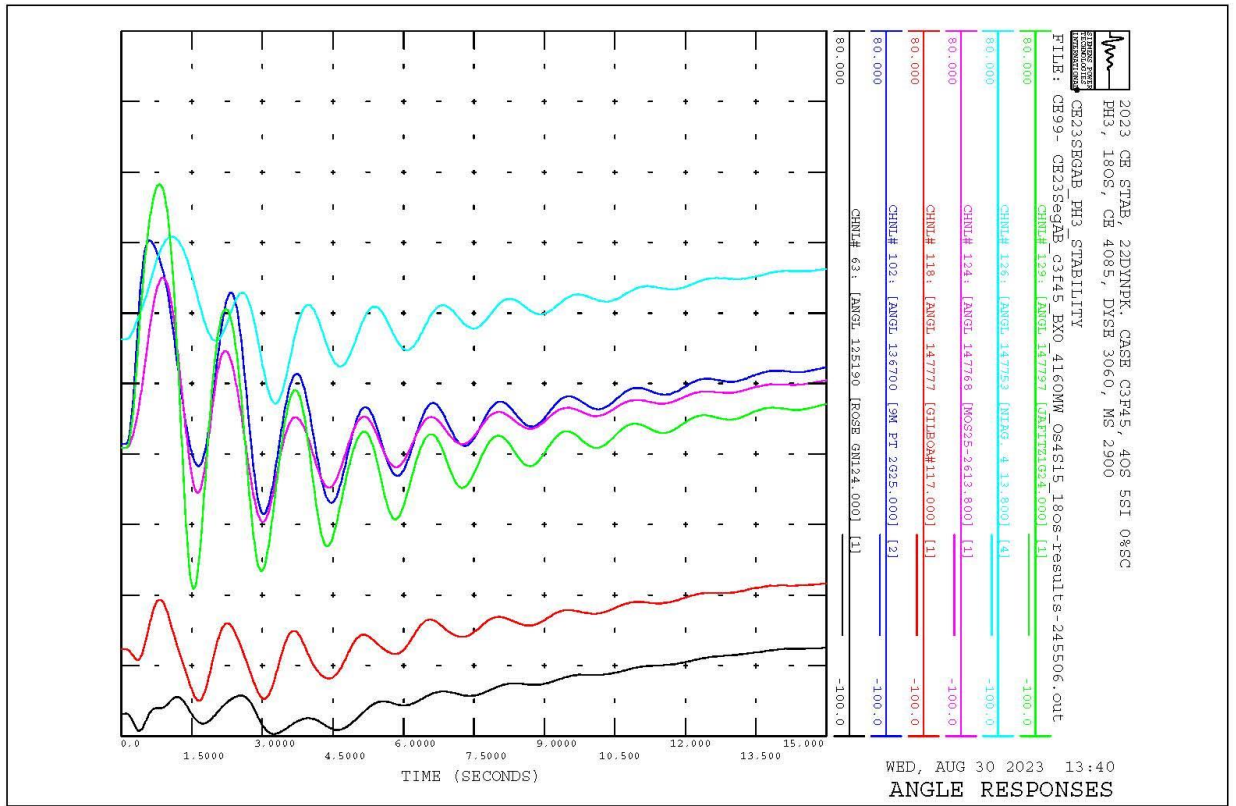


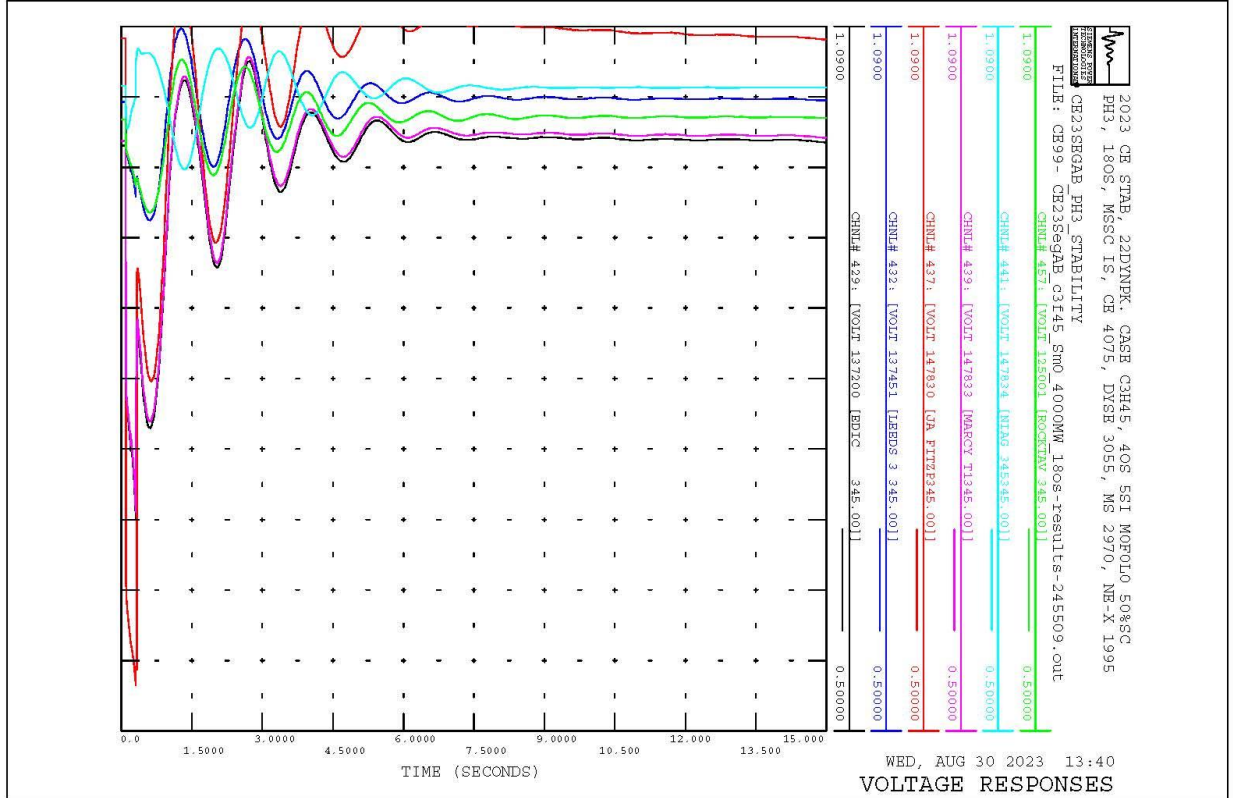
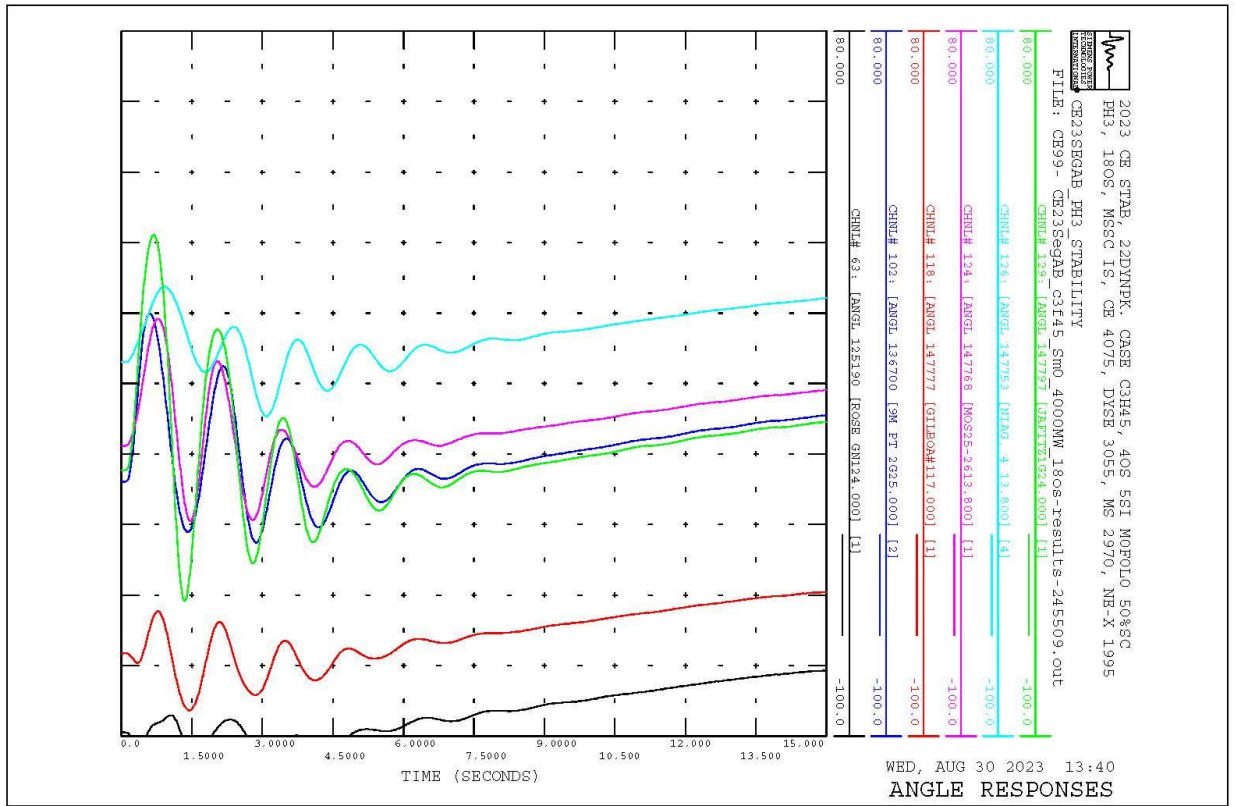


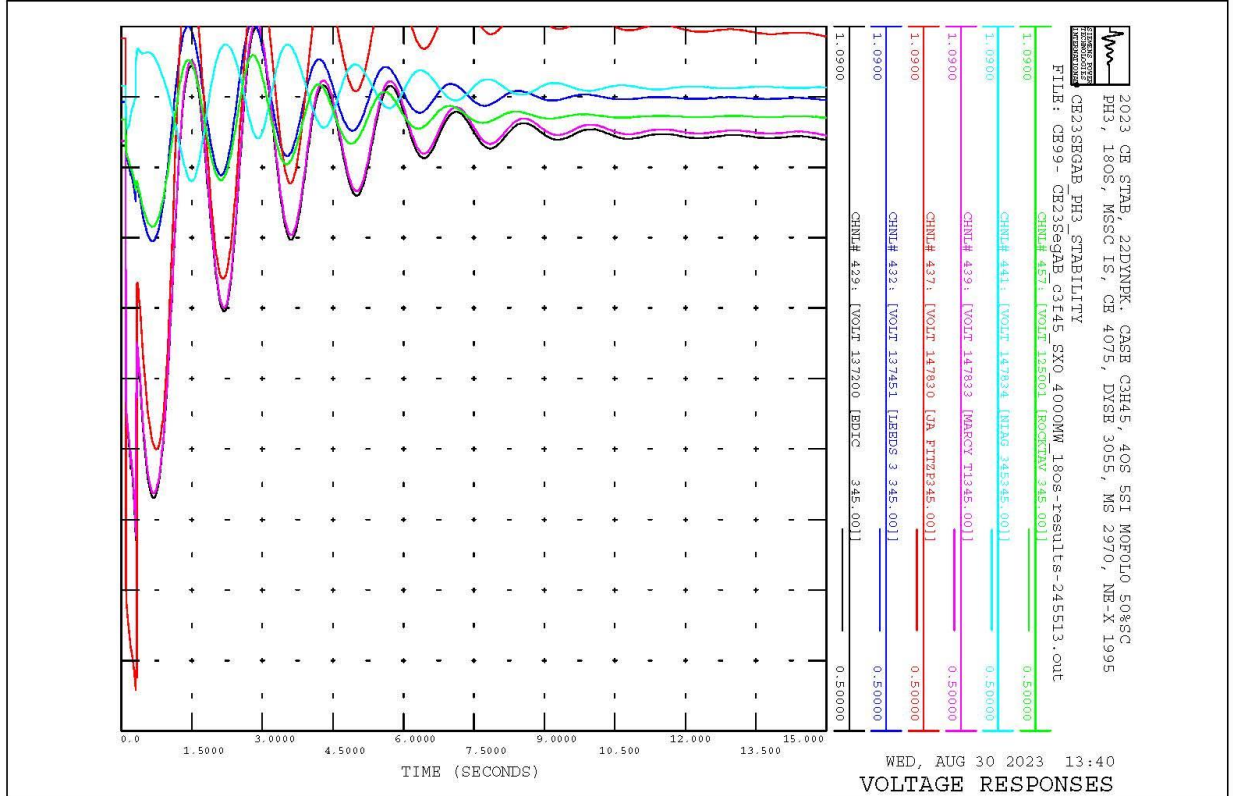
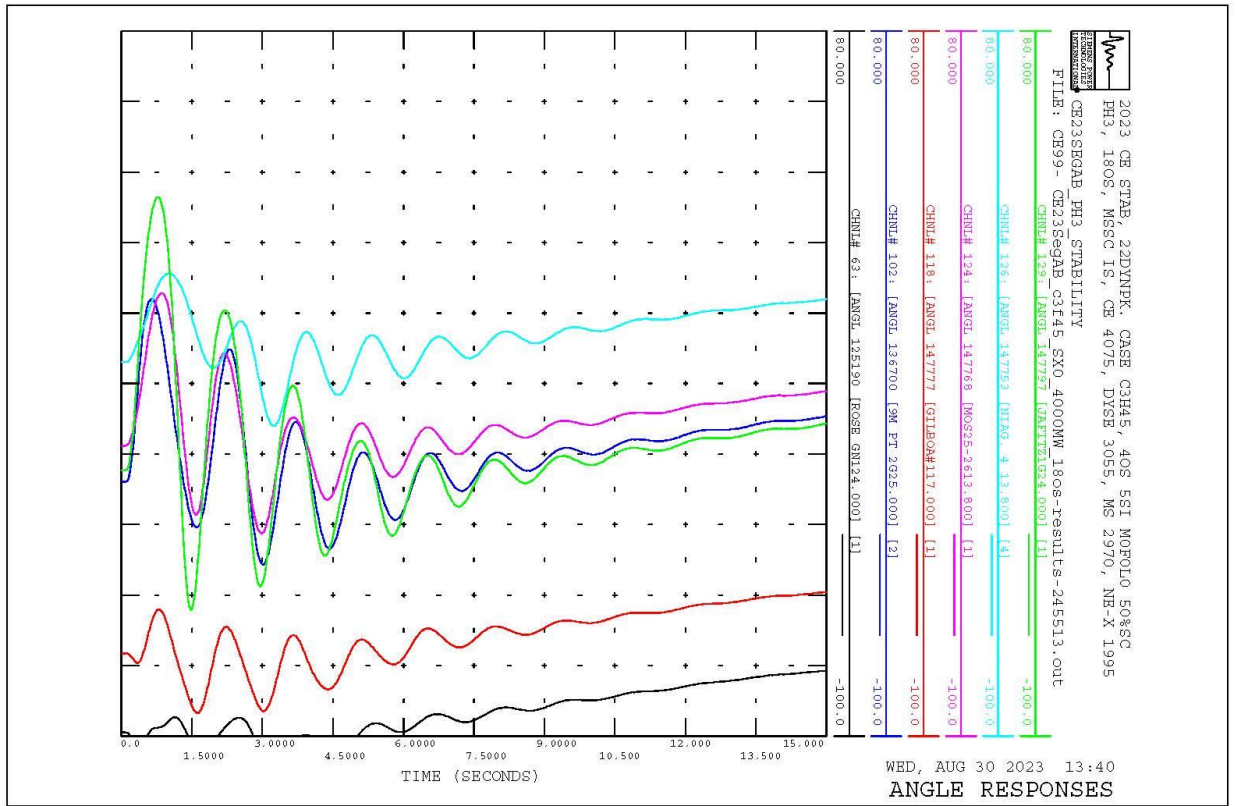








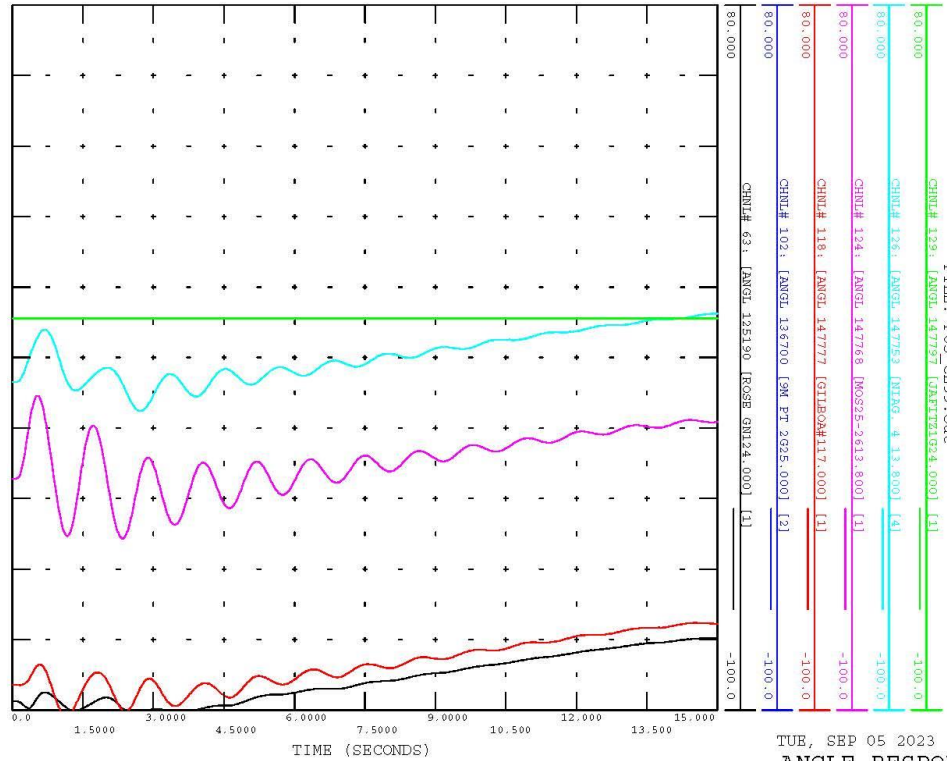




2023 CE STAB, 22DYNPK, CASE C3F056, 005551 0%SCMB
 180S, CE 3013, DYSE 3455, MG 3076 ONNY 3803

FILE: F05 CE99.out

CE23SRGAB_PH3_STABILITY

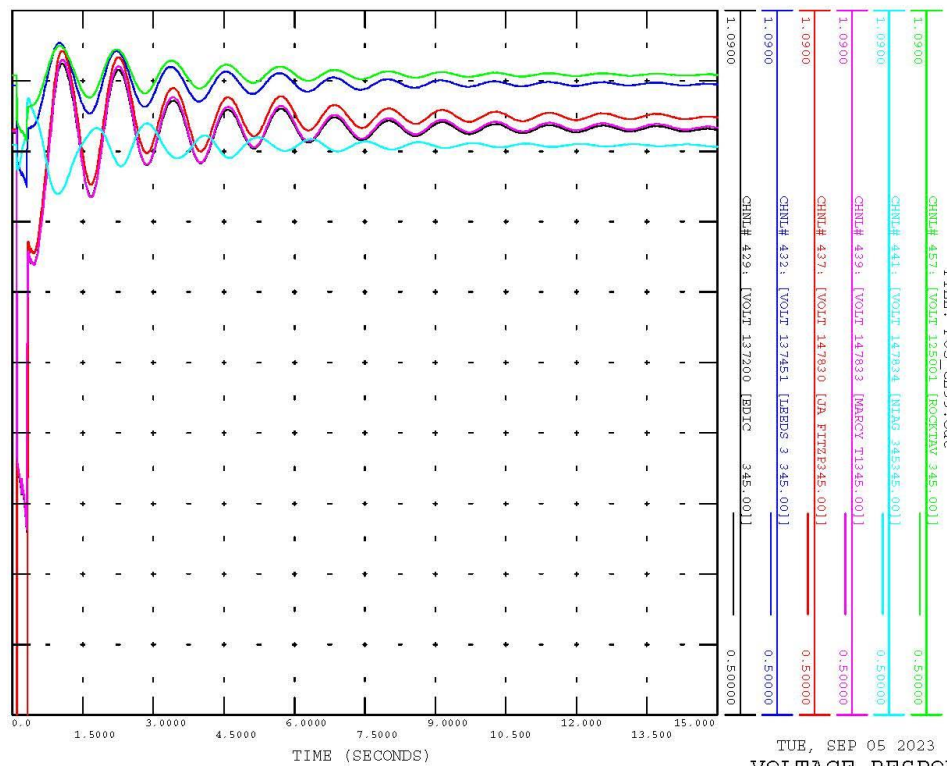


TUE, SEP 05 2023 10:34
 ANGLE RESPONSES

2023 CE STAB, 22DYNPK, CASE C3F056, 005551 0%SCMB
 180S, CE 3013, DYSE 3455, MG 3076 ONNY 3803

FILE: F05 CE99.out

CE23SRGAB_PH3_STABILITY



TUE, SEP 05 2023 10:34
 VOLTAGE RESPONSES

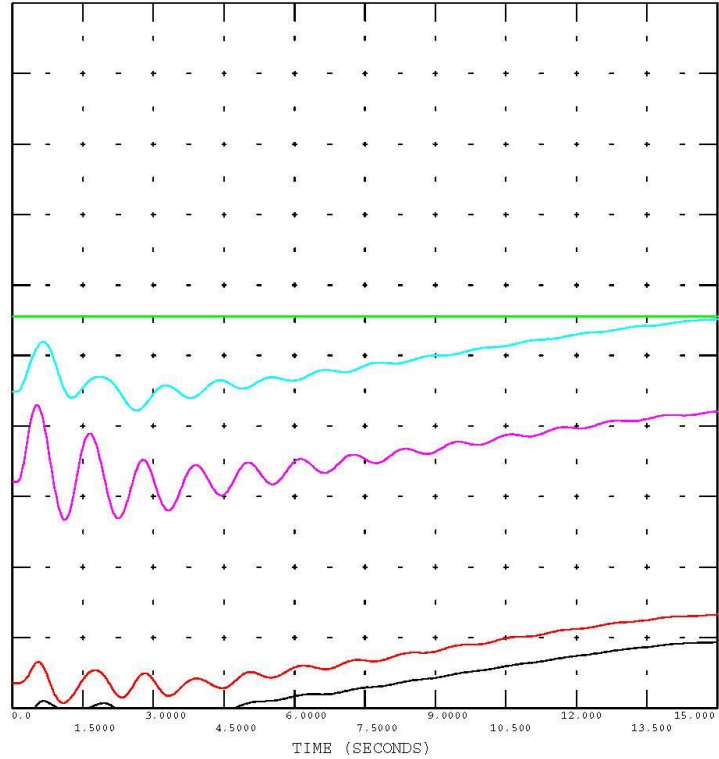
2023 CE STAB, 22DYNPK, CASE C3F036, 008351 0%SCMB
 180S, CE 2834, DYSE 3466, MG 3082 ONNY 3767



CE23SRGAB_PH3_STABILITY

FILE: F03 CE99.out

CHNL# 129: [ANGL 147757 [AFLT124.000] [1]
 CHNL# 126: [ANGL 147753 [N126_4 13.800] [4]
 CHNL# 124: [ANGL 147768 [MOS25-2613.800] [3]
 CHNL# 118: [ANGL 147777 [G11808#117.000] [1]
 CHNL# 102: [ANGL 136700 [SM FT 2025.000] [2]
 CHNL# 63: [ANGL 125190 [ROSE G1124.000] [1]



TUE, SEP 05 2023 10:34
 ANGLE RESPONSES

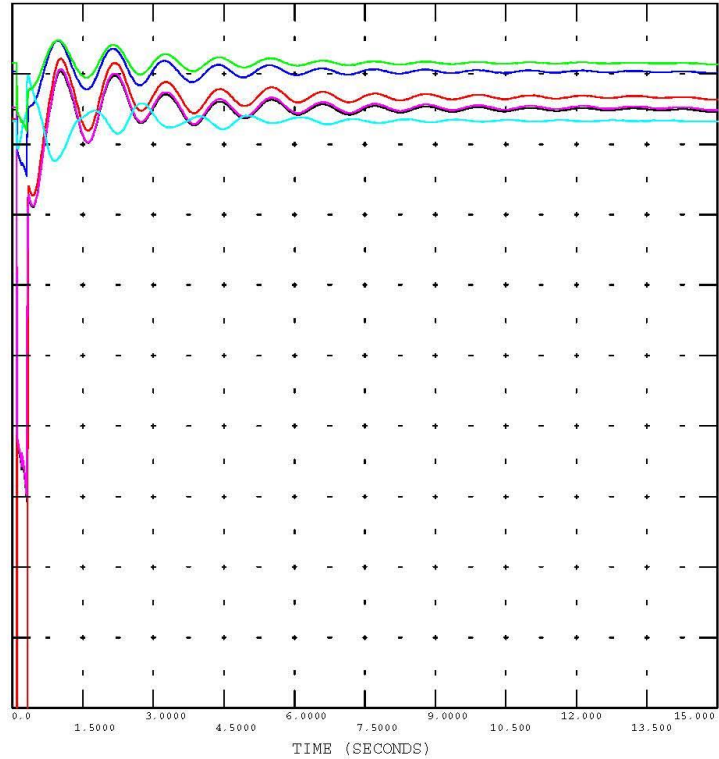
2023 CE STAB, 22DYNPK, CASE C3F036, 008351 0%SCMB
 180S, CE 2834, DYSE 3466, MG 3082 ONNY 3767



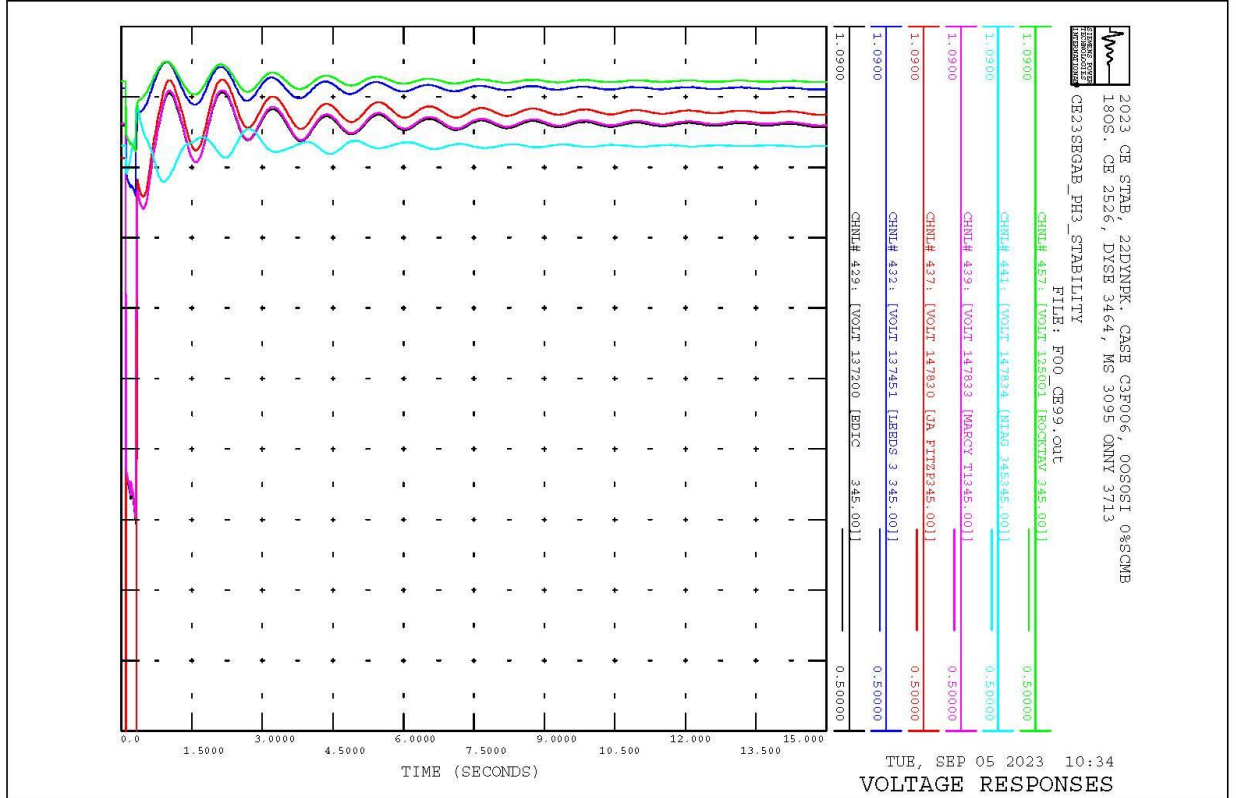
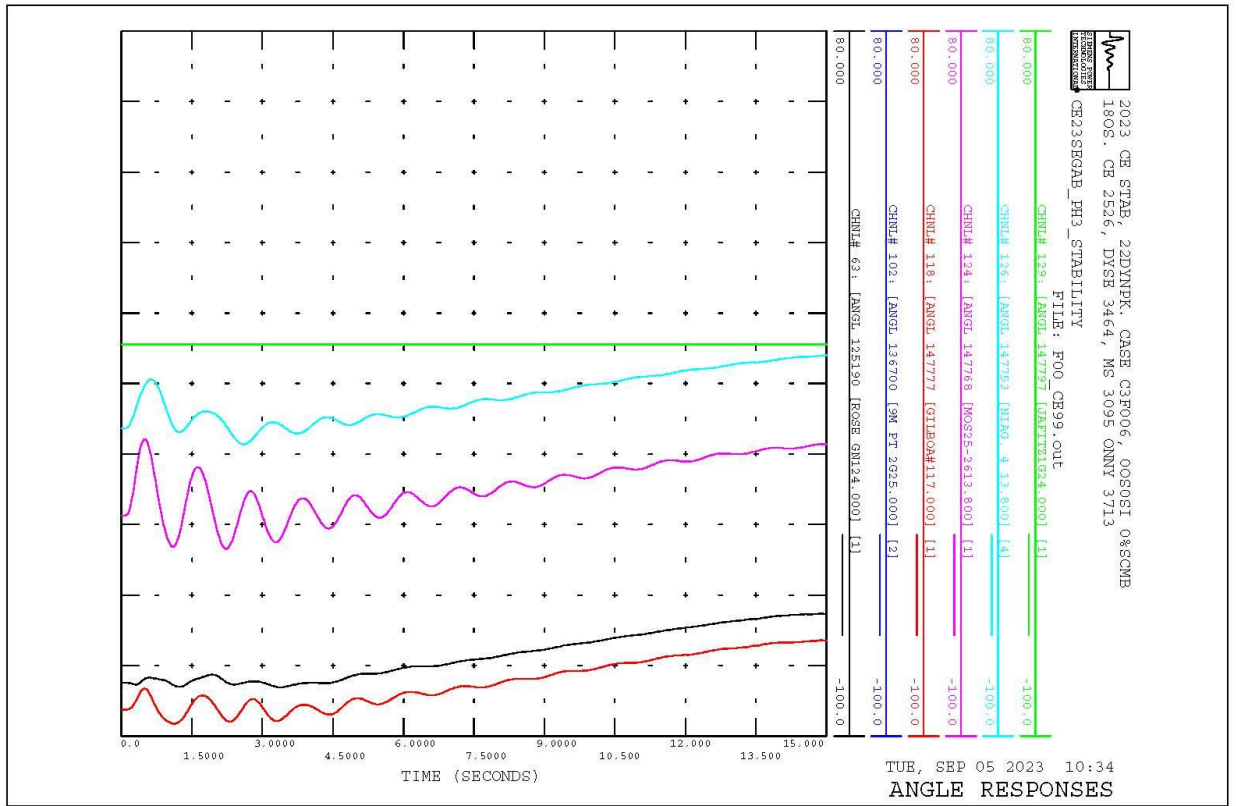
CE23SRGAB_PH3_STABILITY

FILE: F03 CE99.out

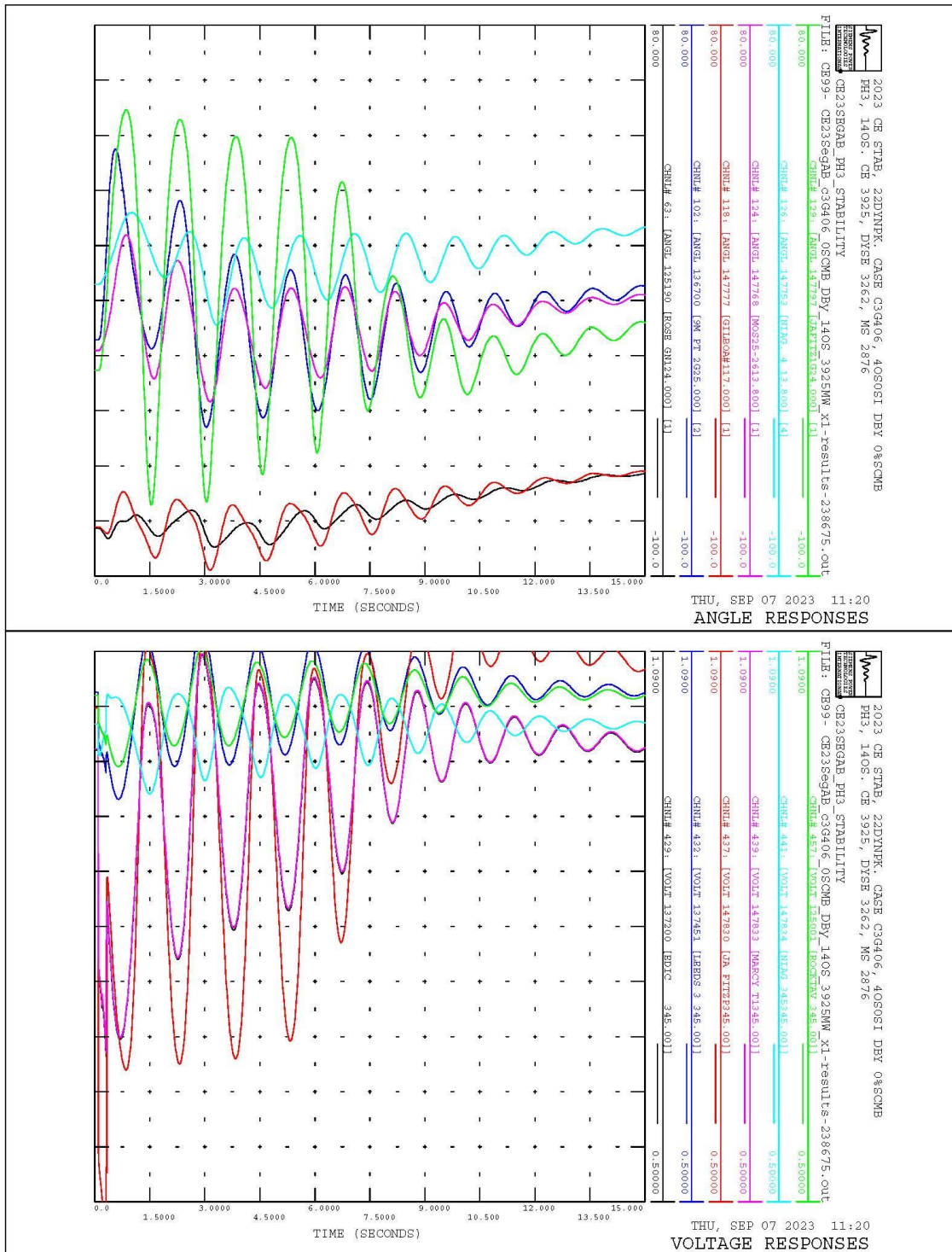
CHNL# 457: [VOLT 125001 [ROCKTIV 345.001]
 CHNL# 441: [VOLT 147824 [N126 345345.001]
 CHNL# 429: [VOLT 147833 [NARCXY 71345.001]
 CHNL# 437: [VOLT 147830 [JA FLT2345.001]
 CHNL# 432: [VOLT 137451 [LBDS 3 345.001]
 CHNL# 429: [VOLT 137200 [BDIC 345.001]

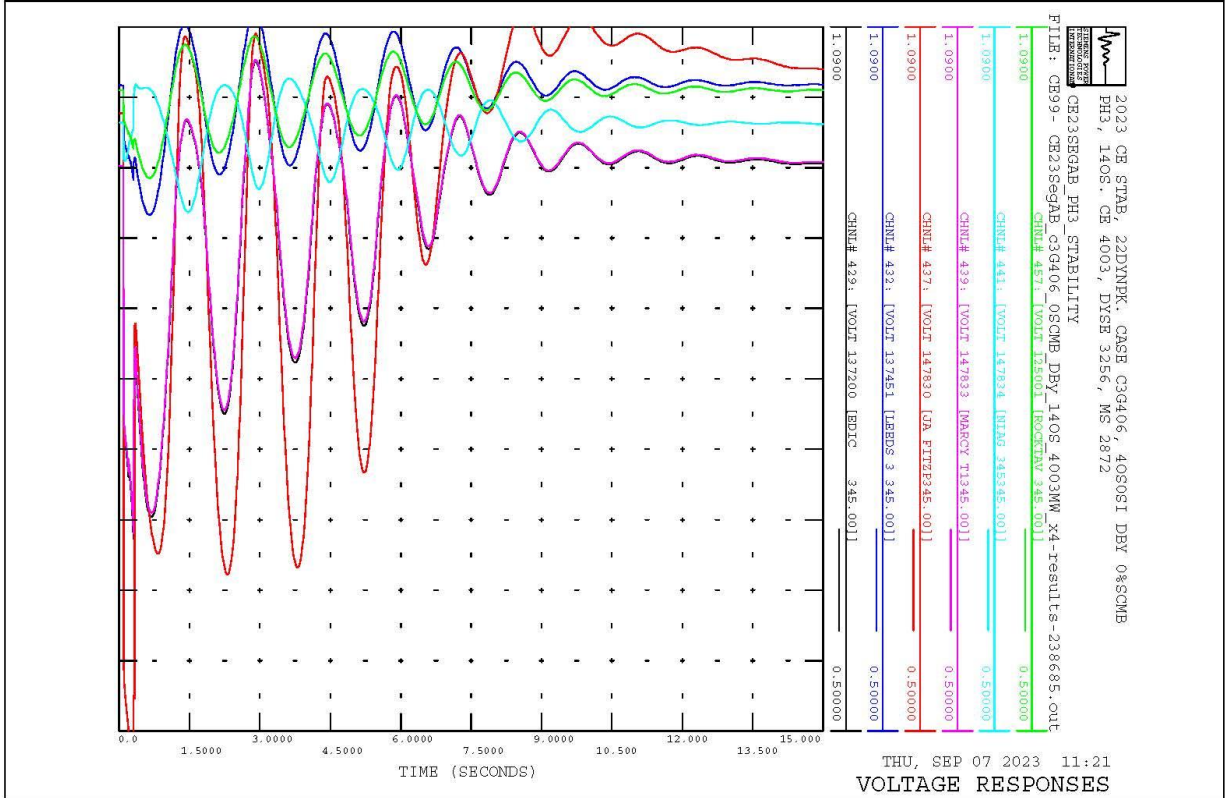
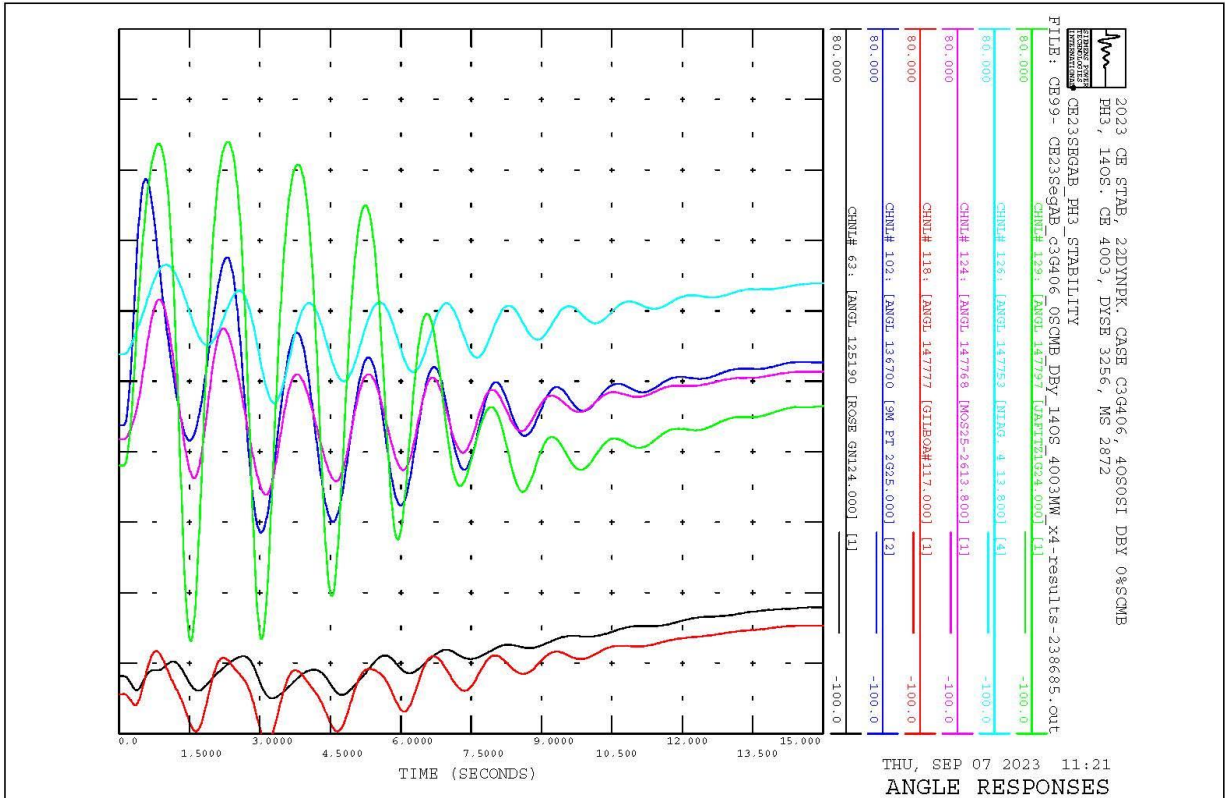


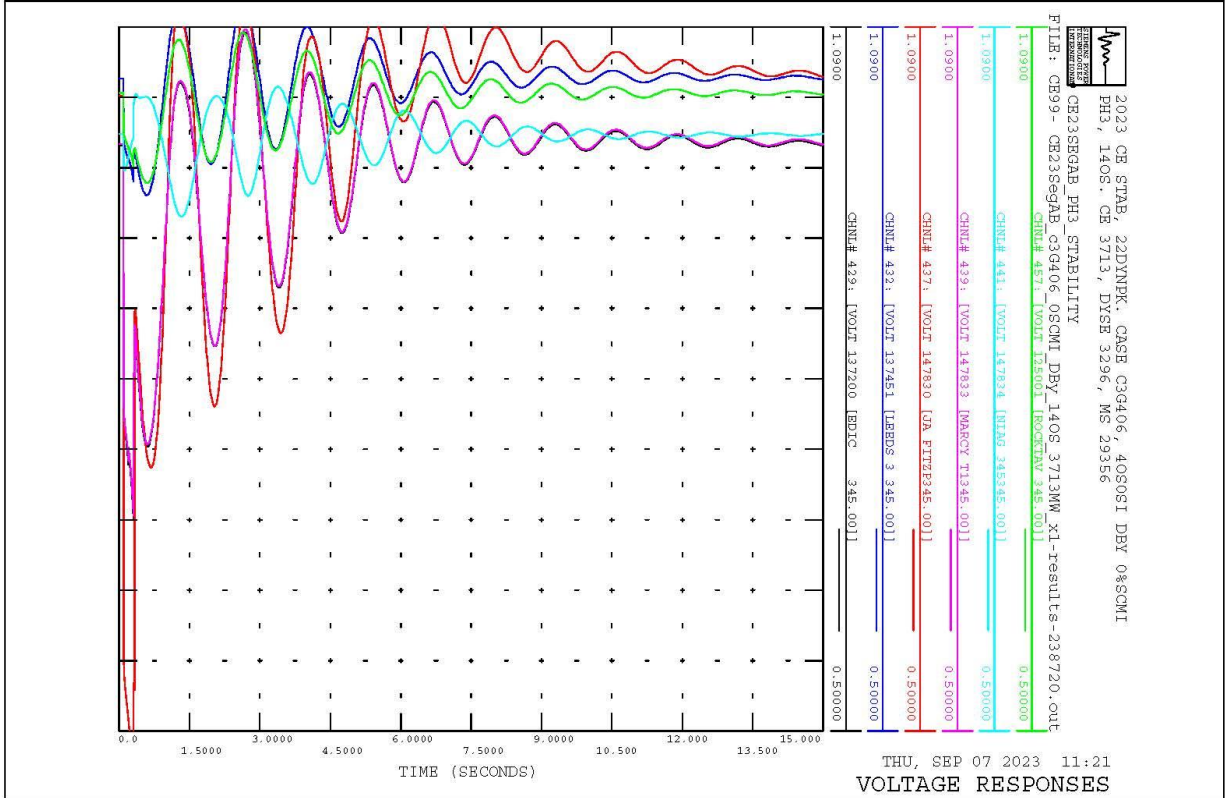
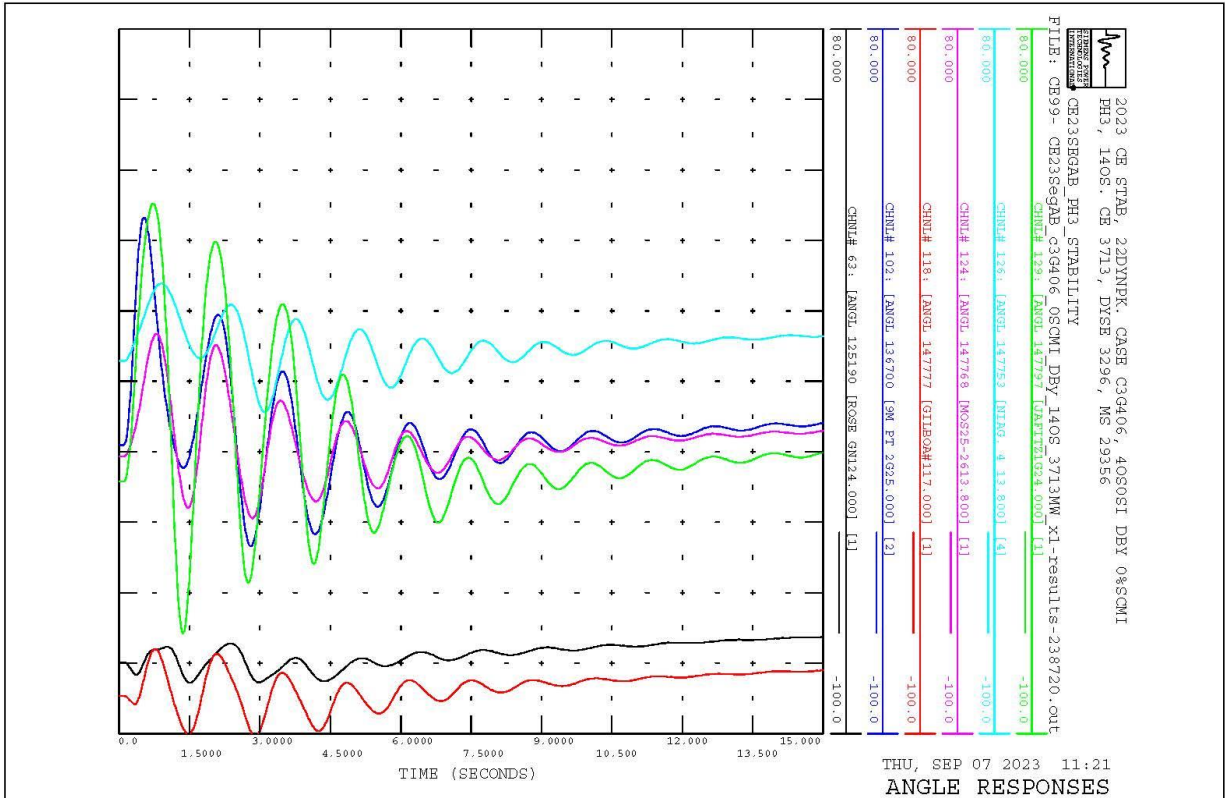
TUE, SEP 05 2023 10:34
 VOLTAGE RESPONSES

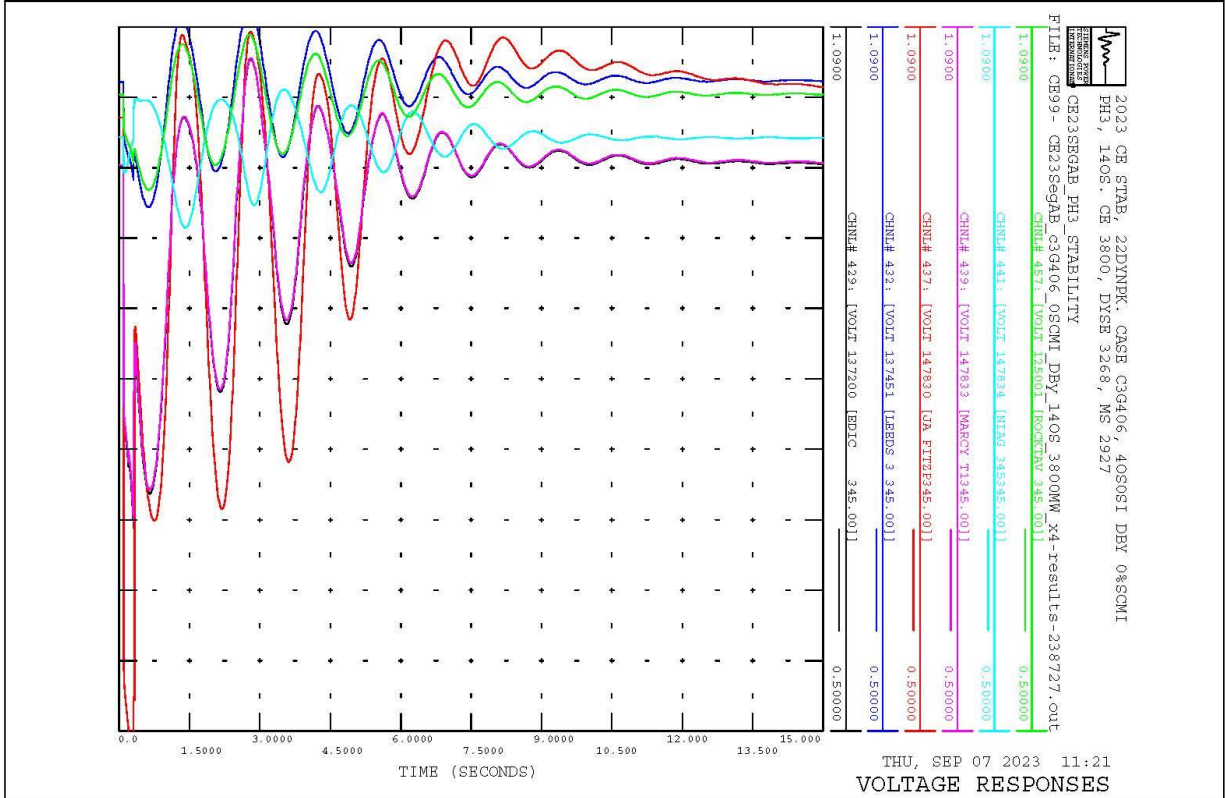
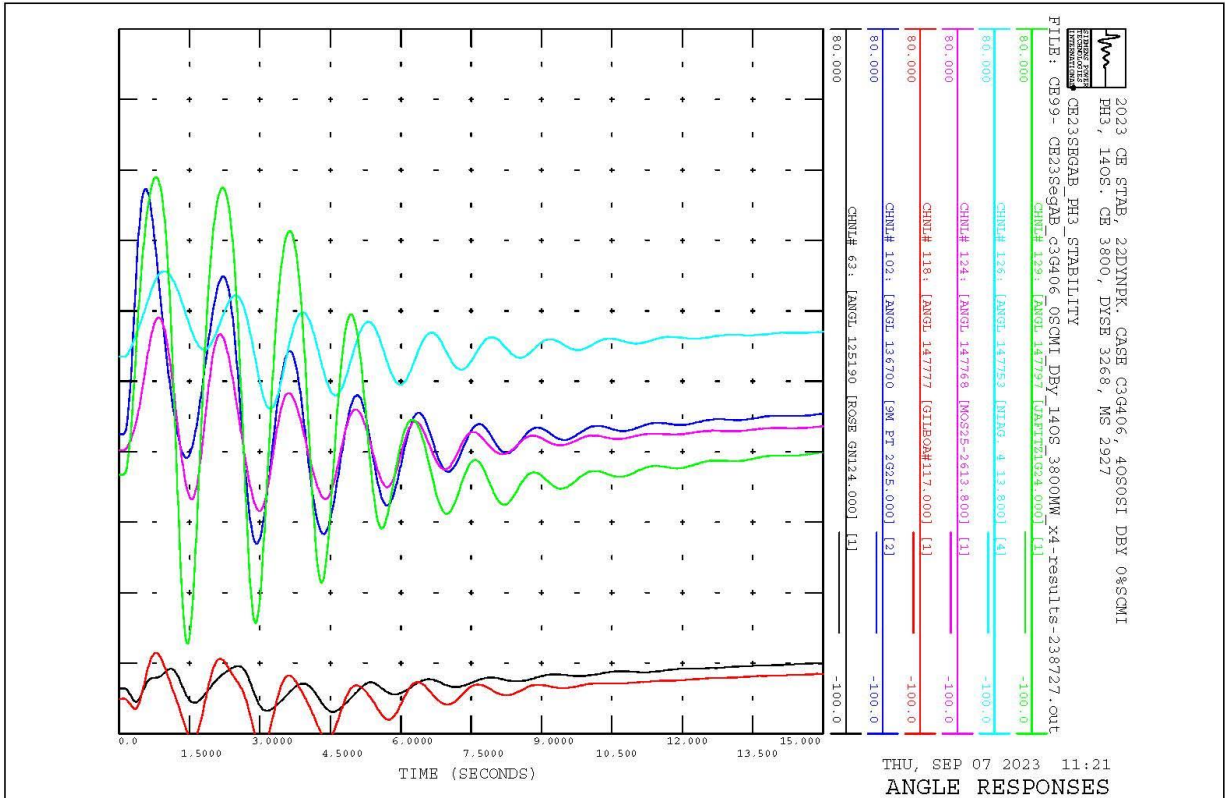


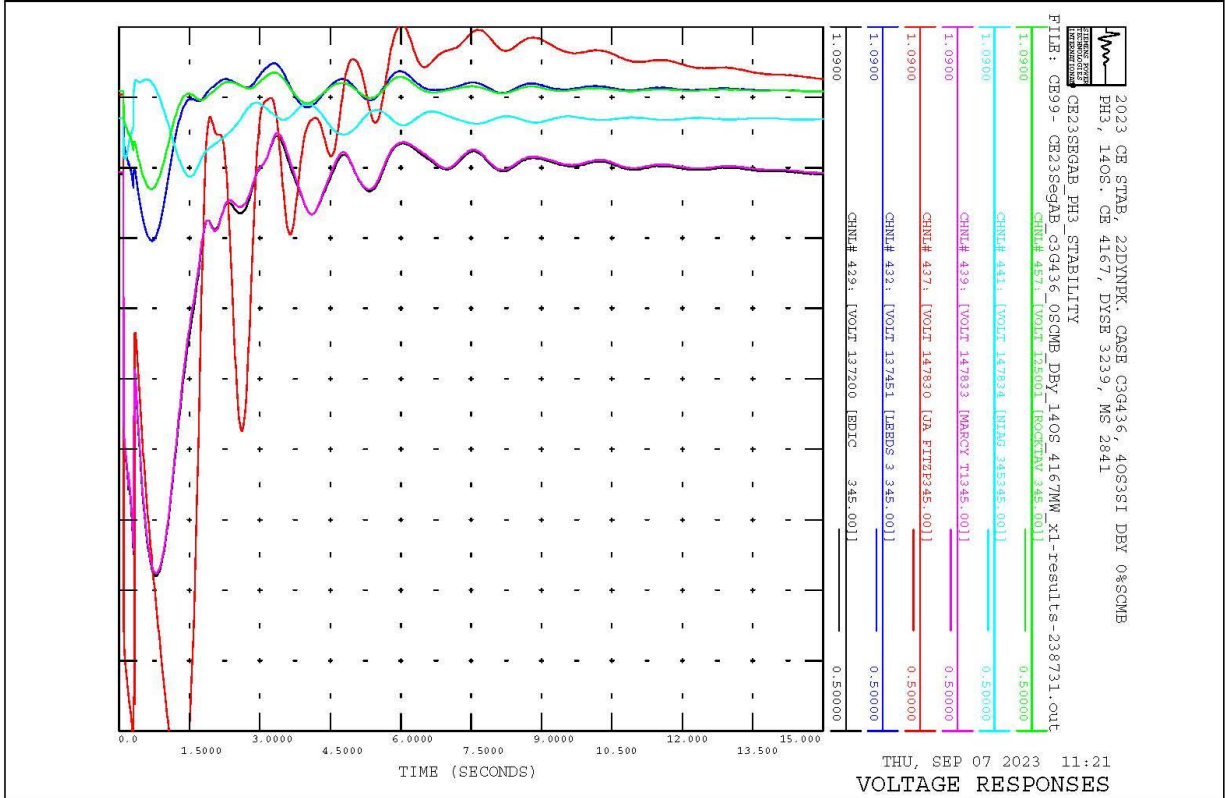
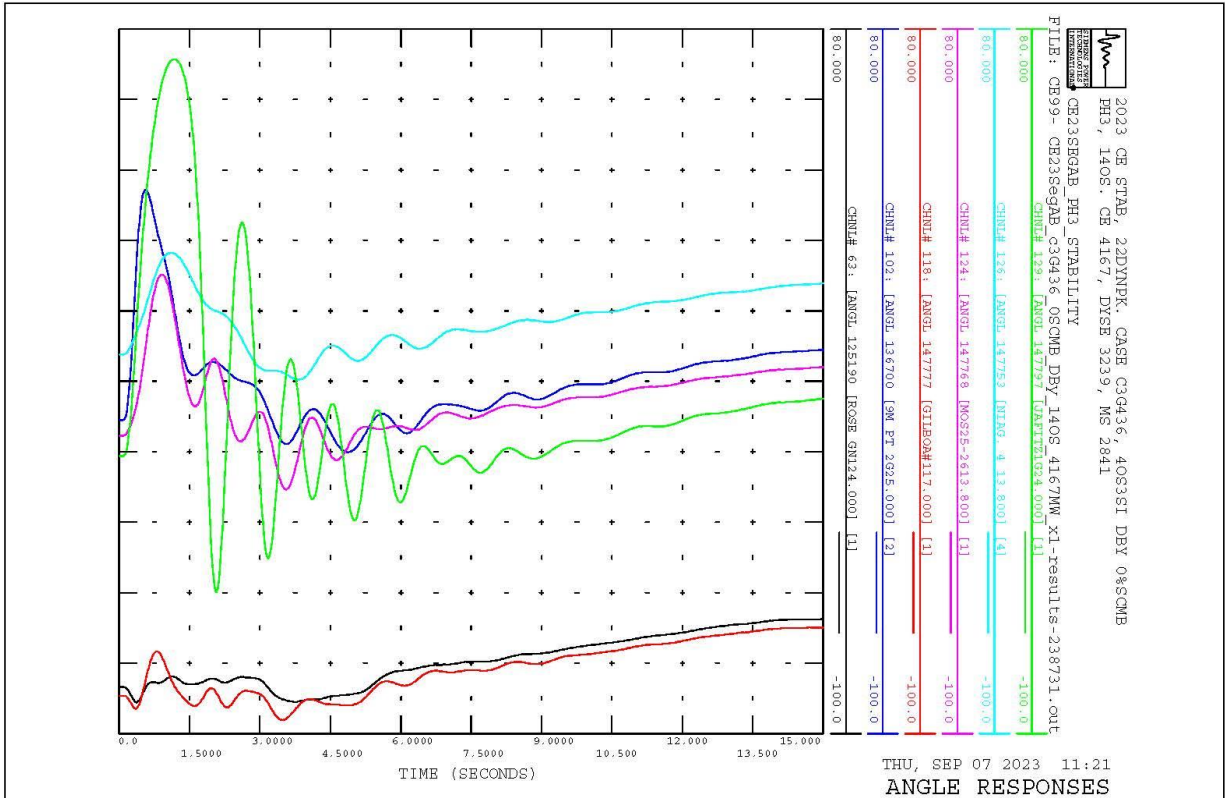
Appendix D: Edic – Gordon Road (14) 345 kV Out of Service

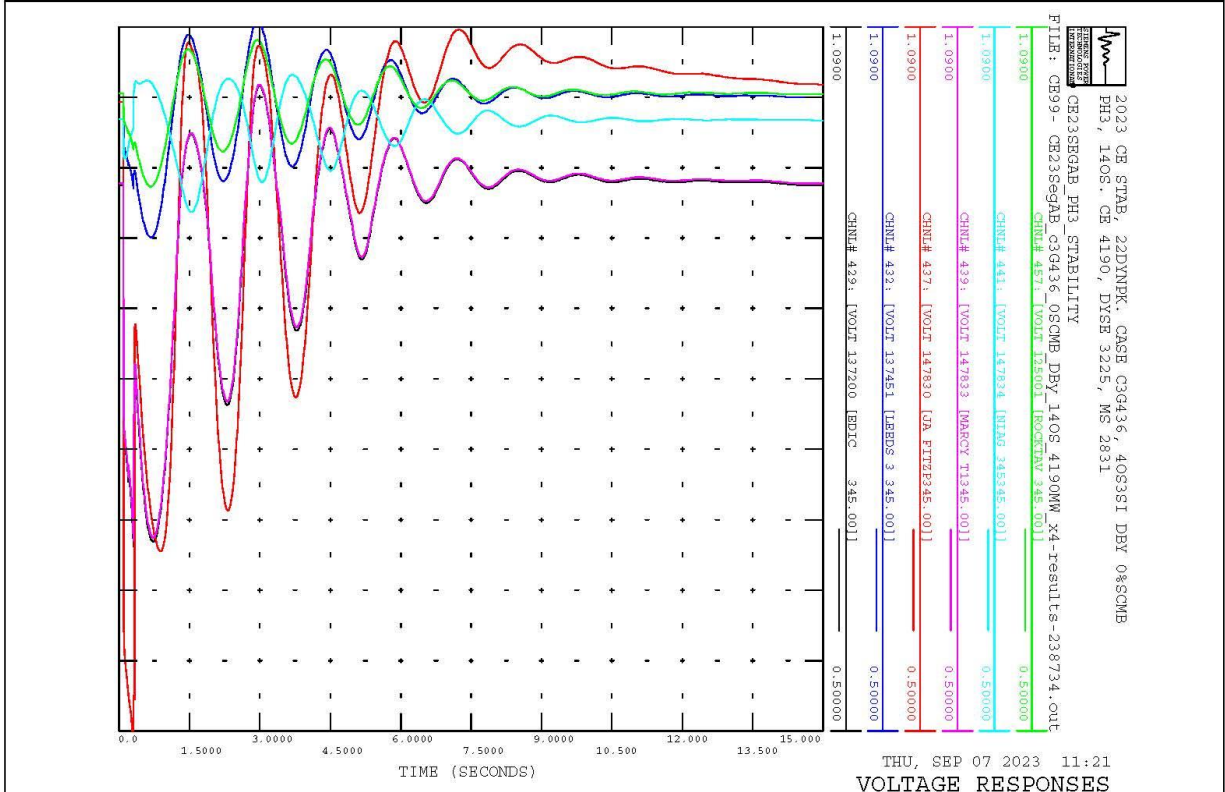
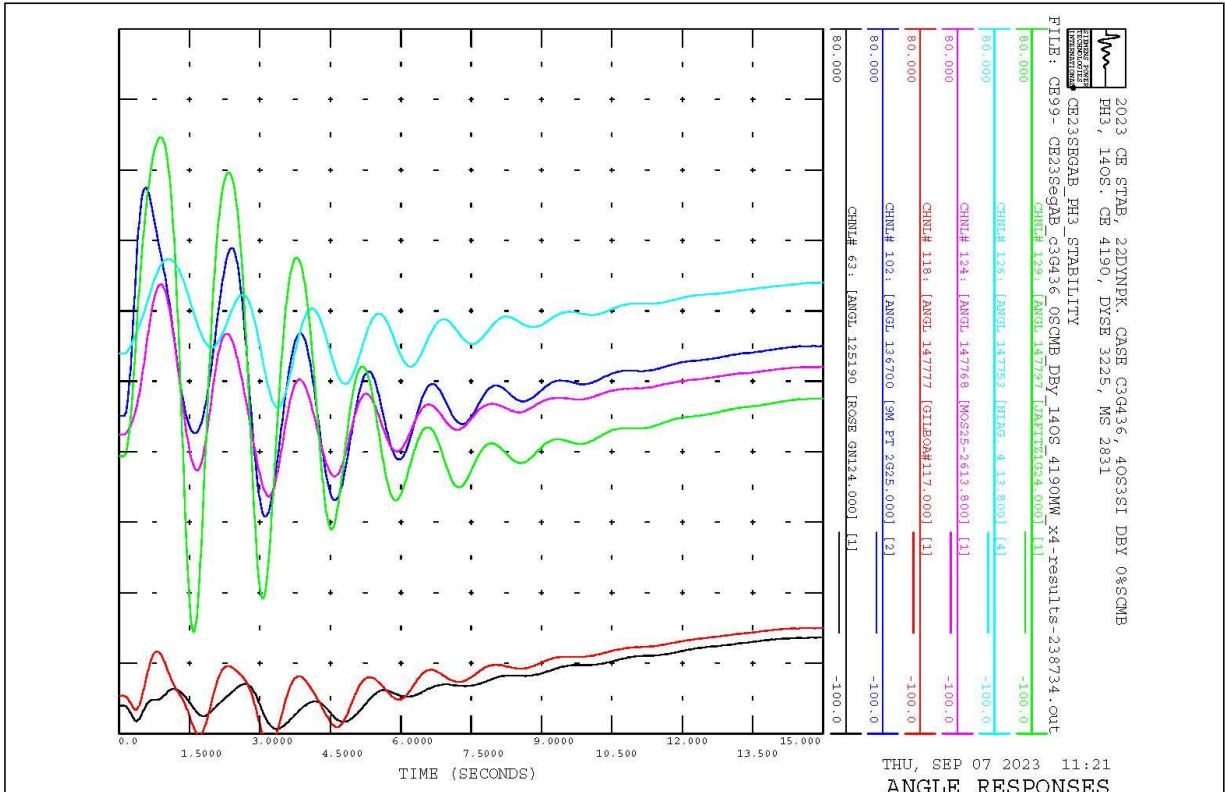


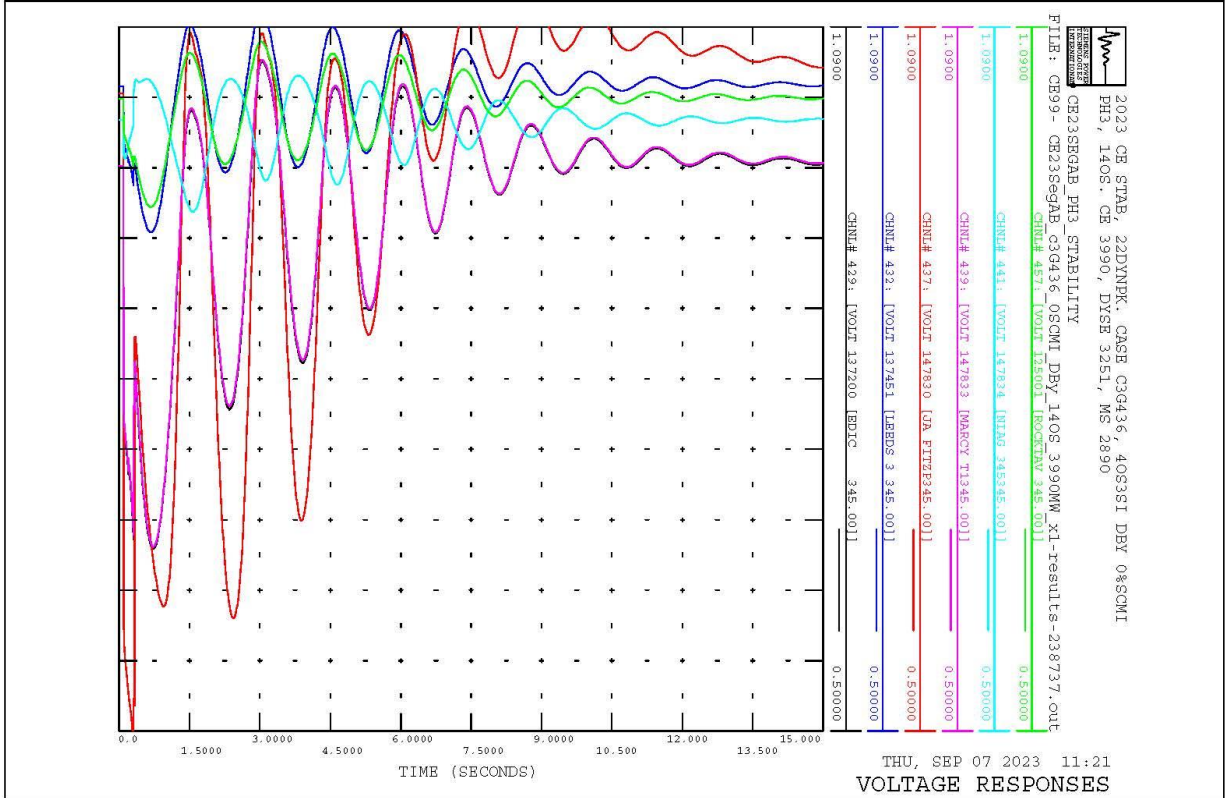
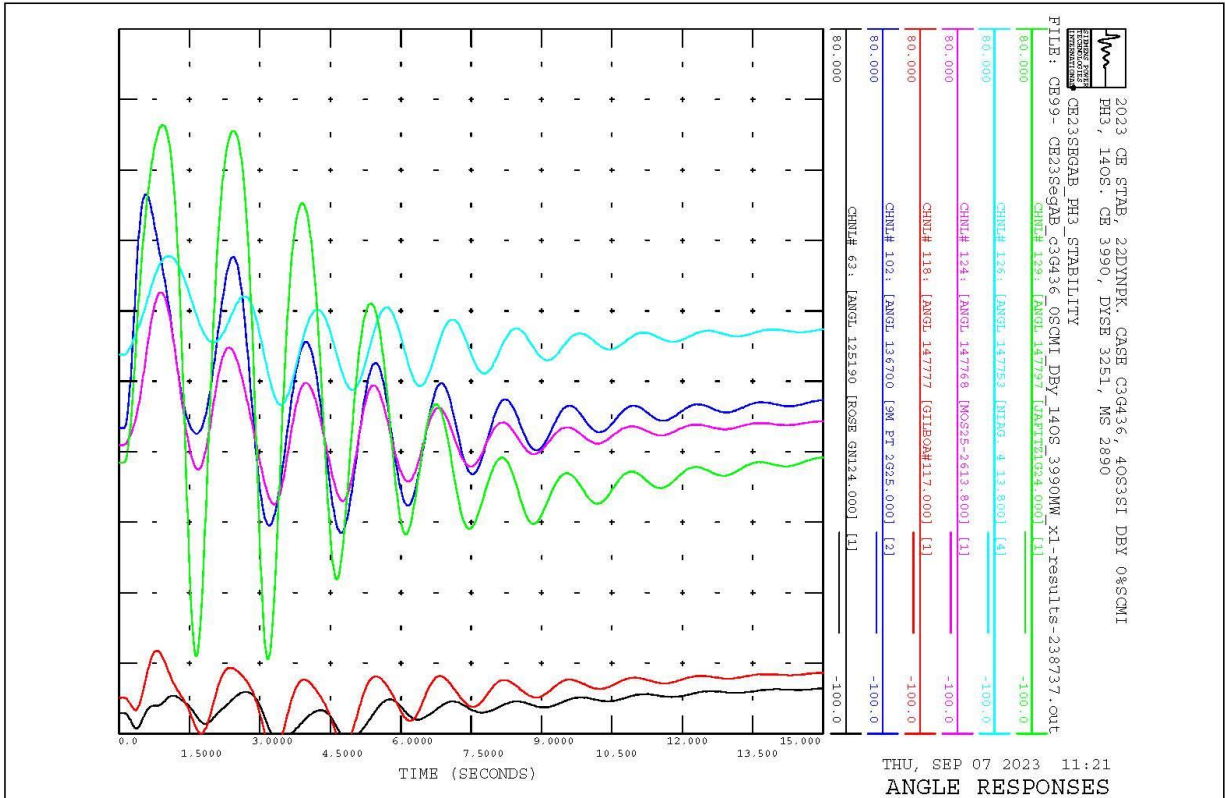


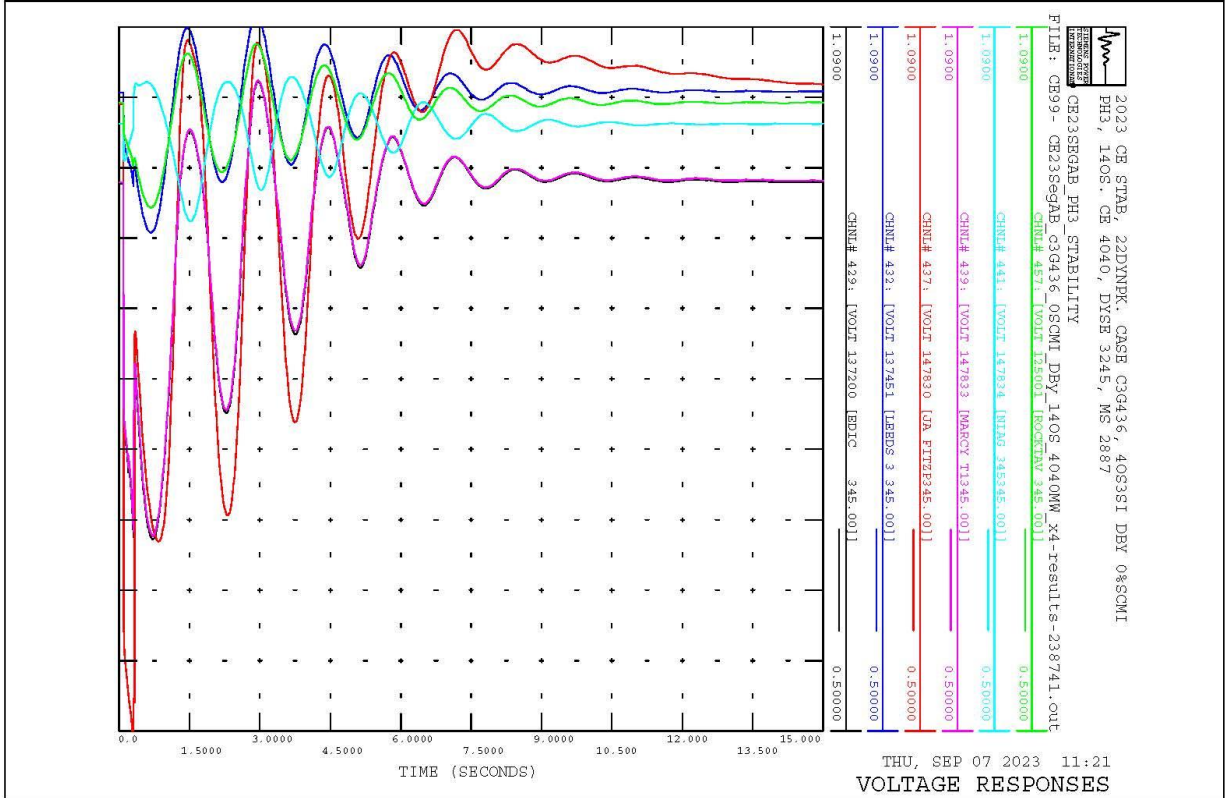
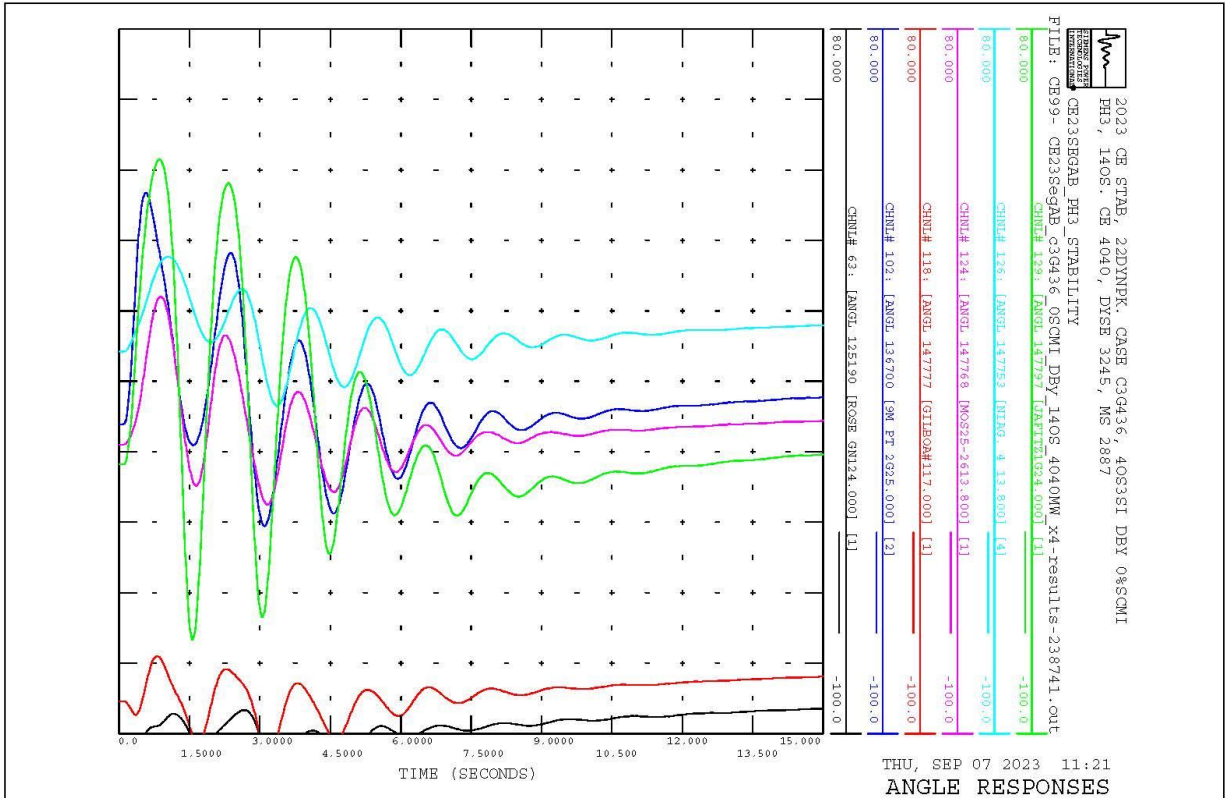


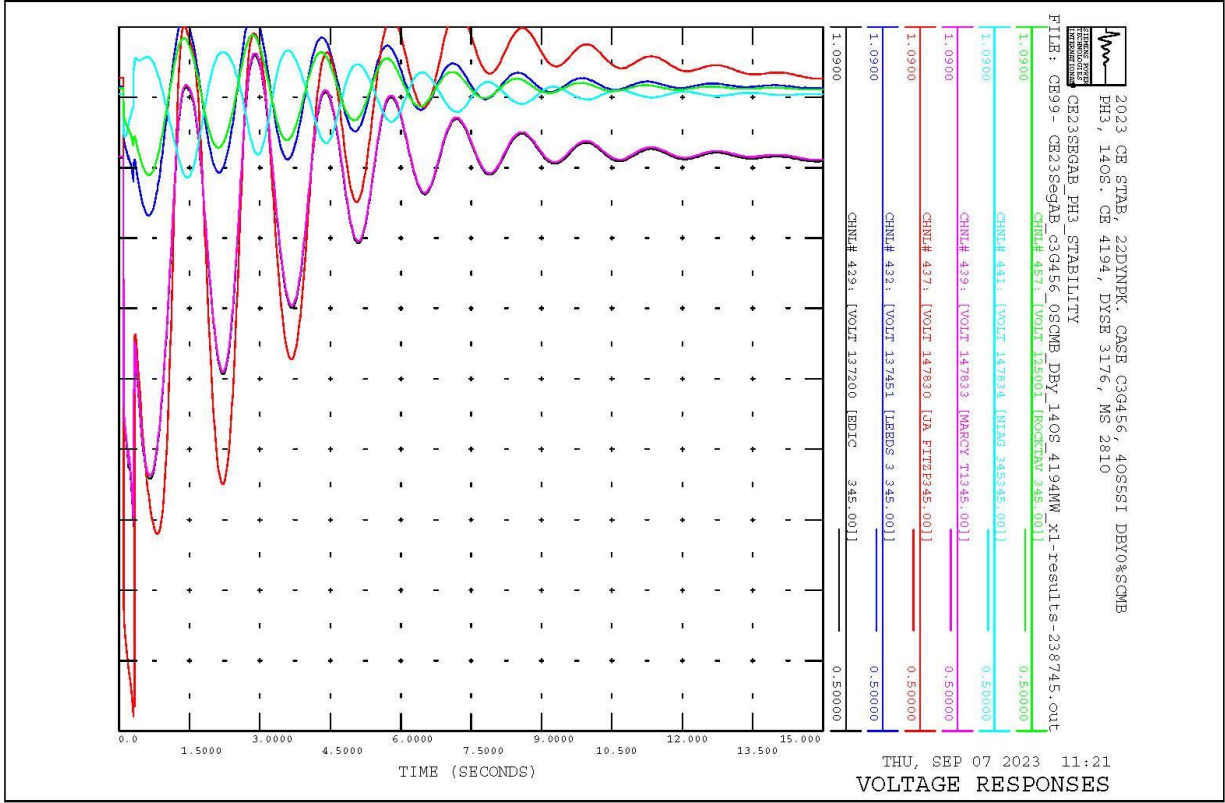
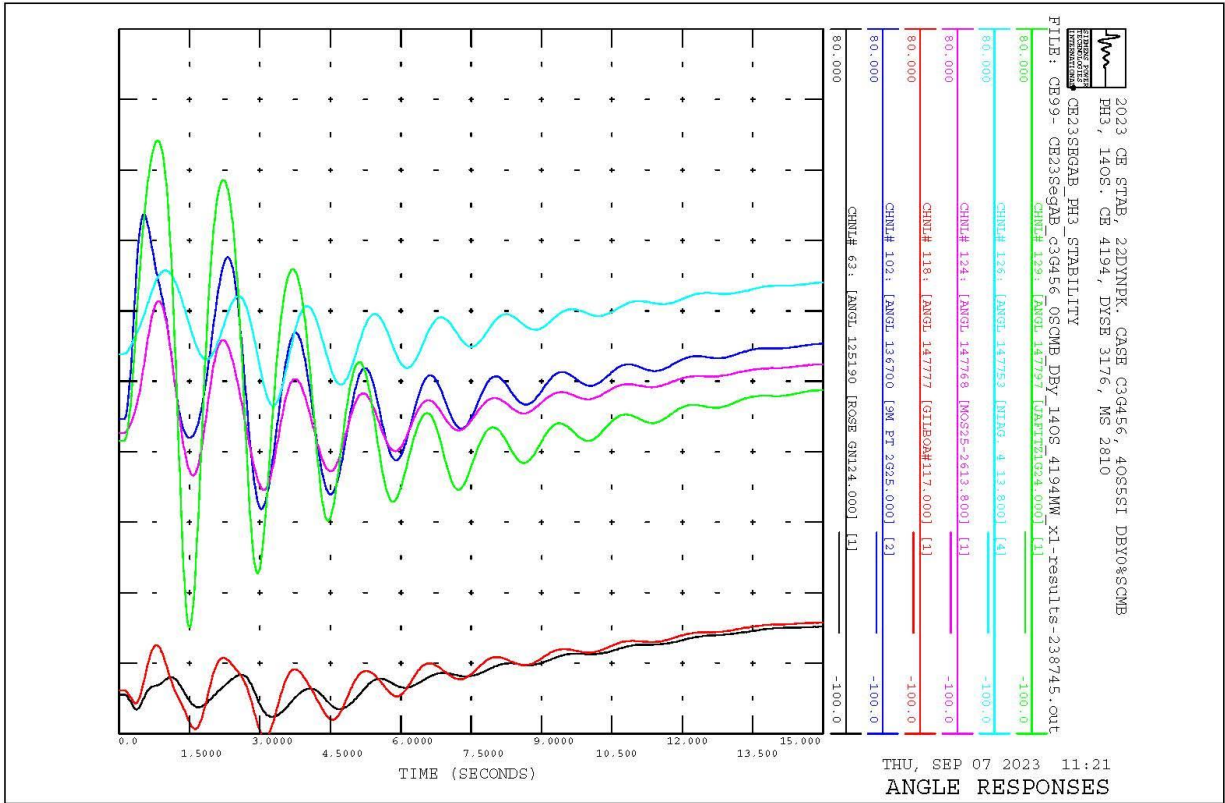


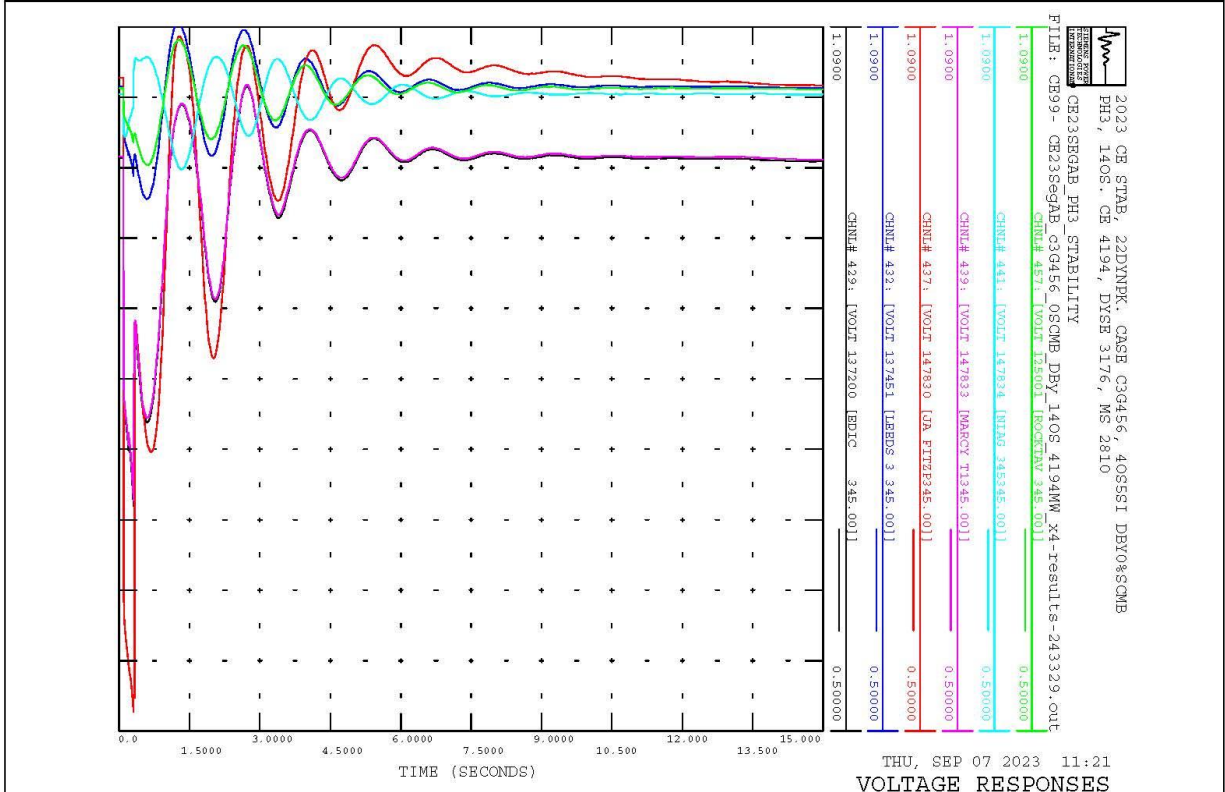
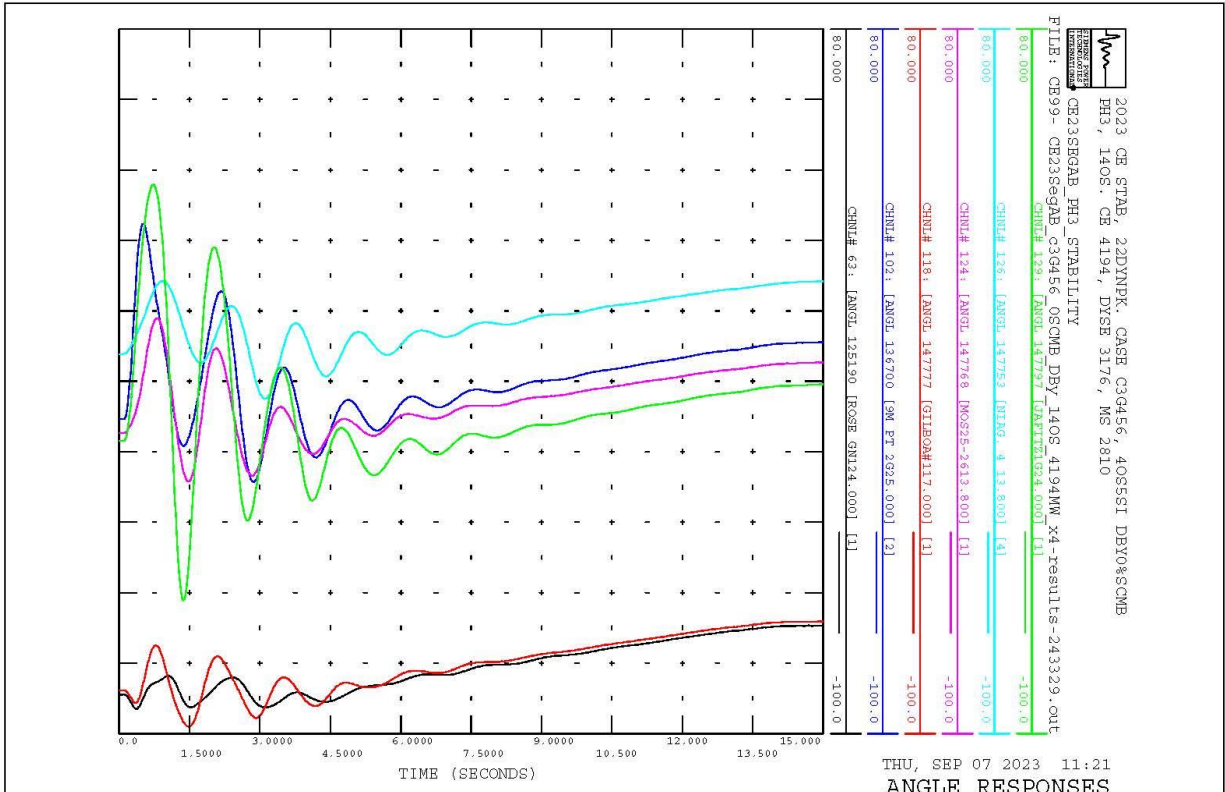


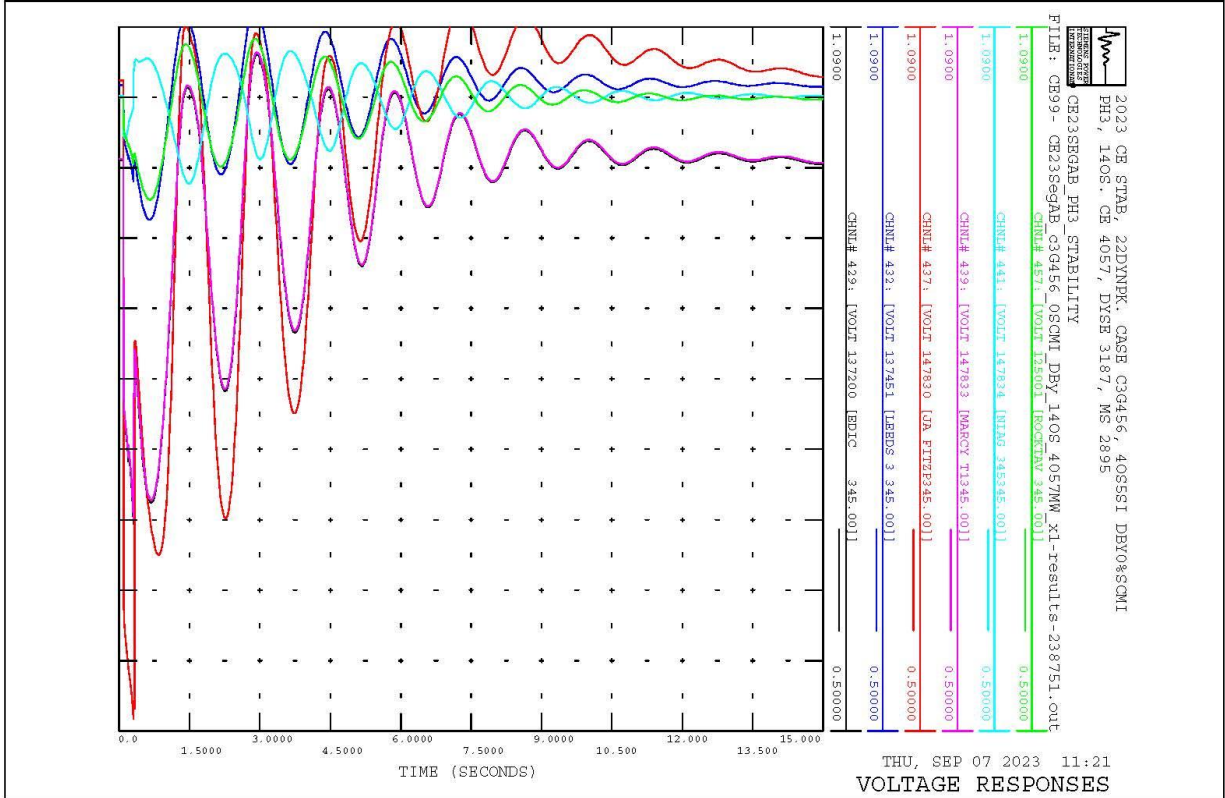
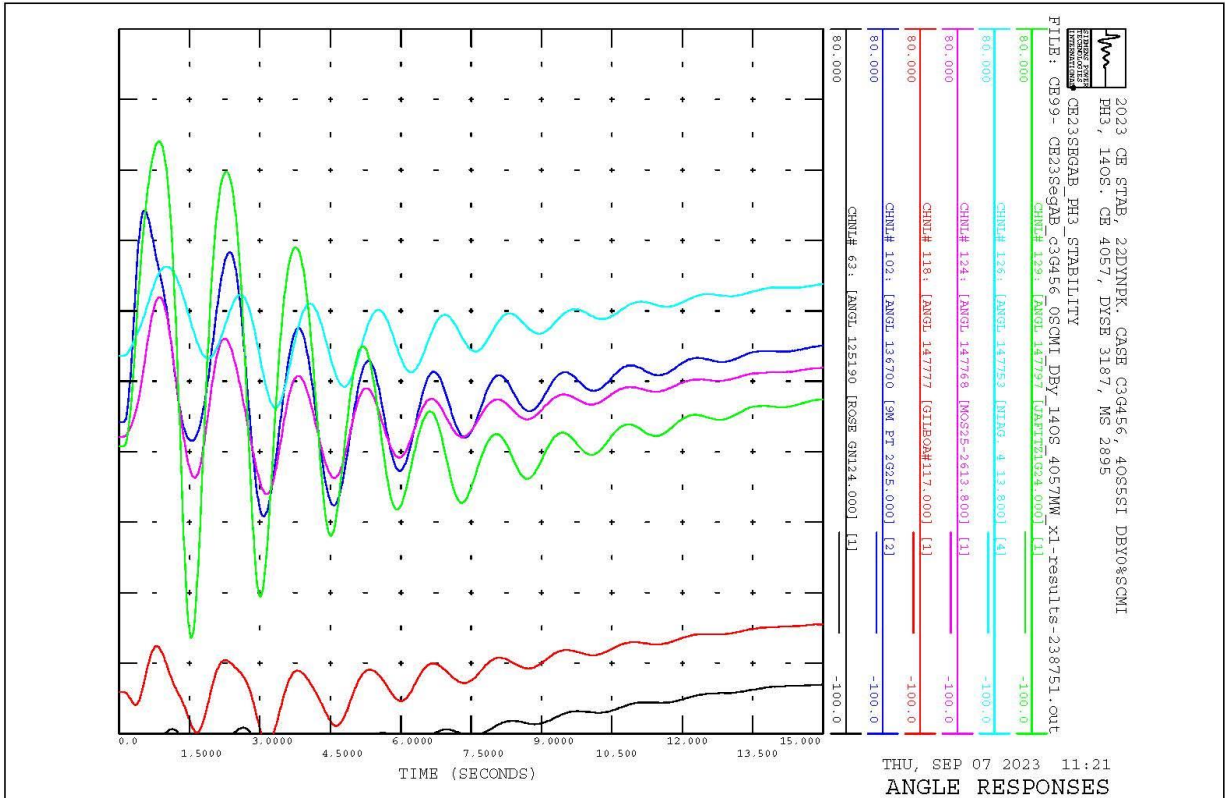


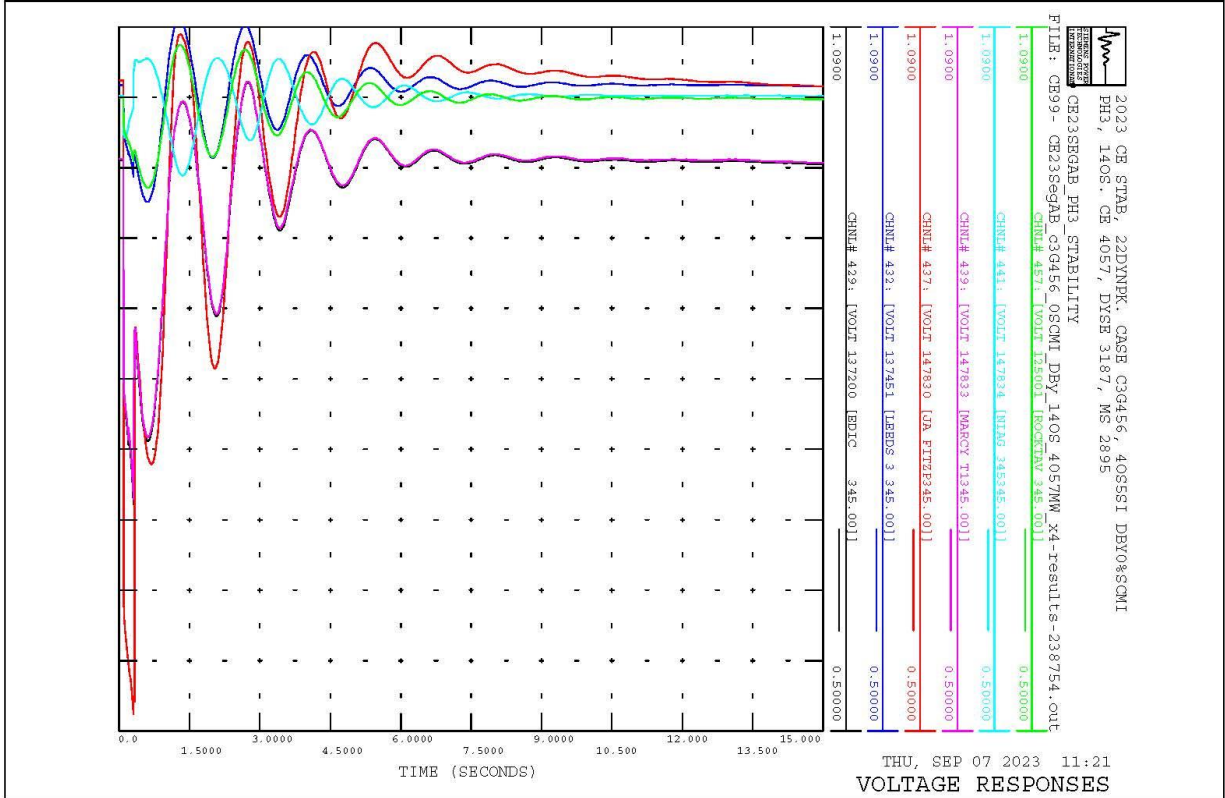
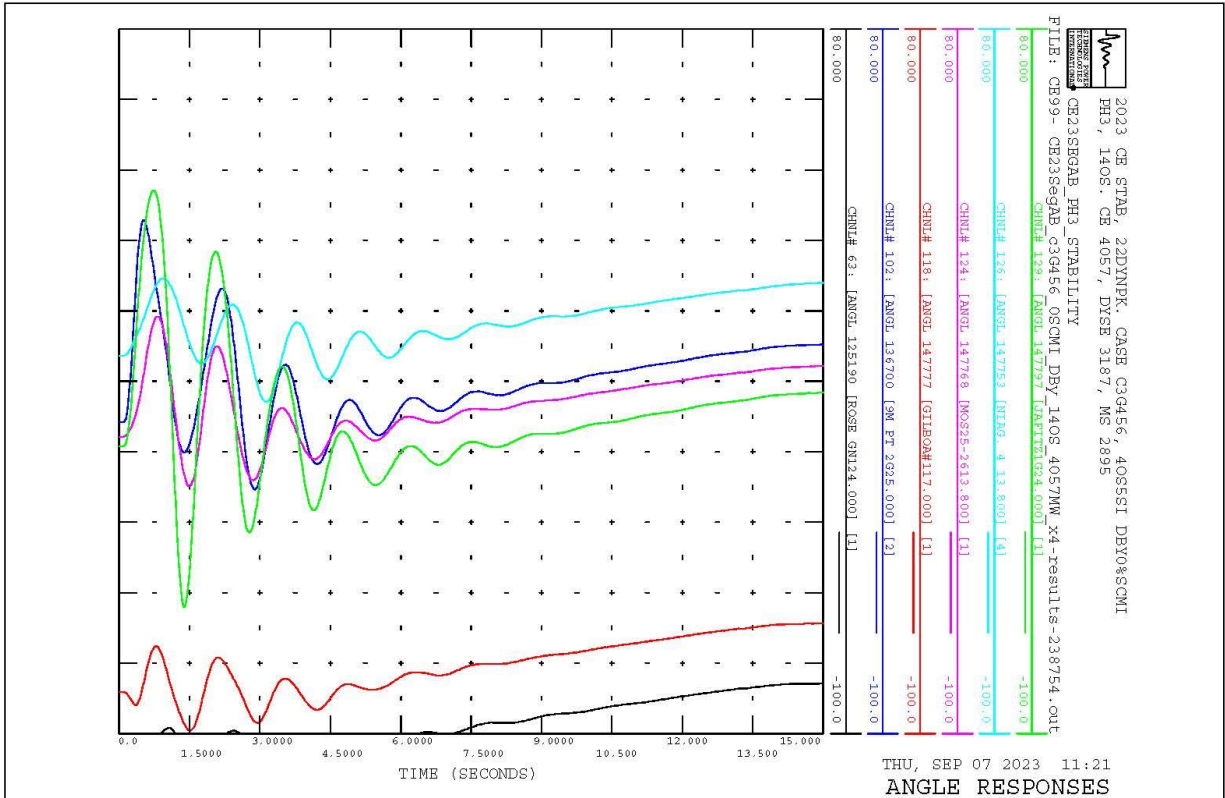


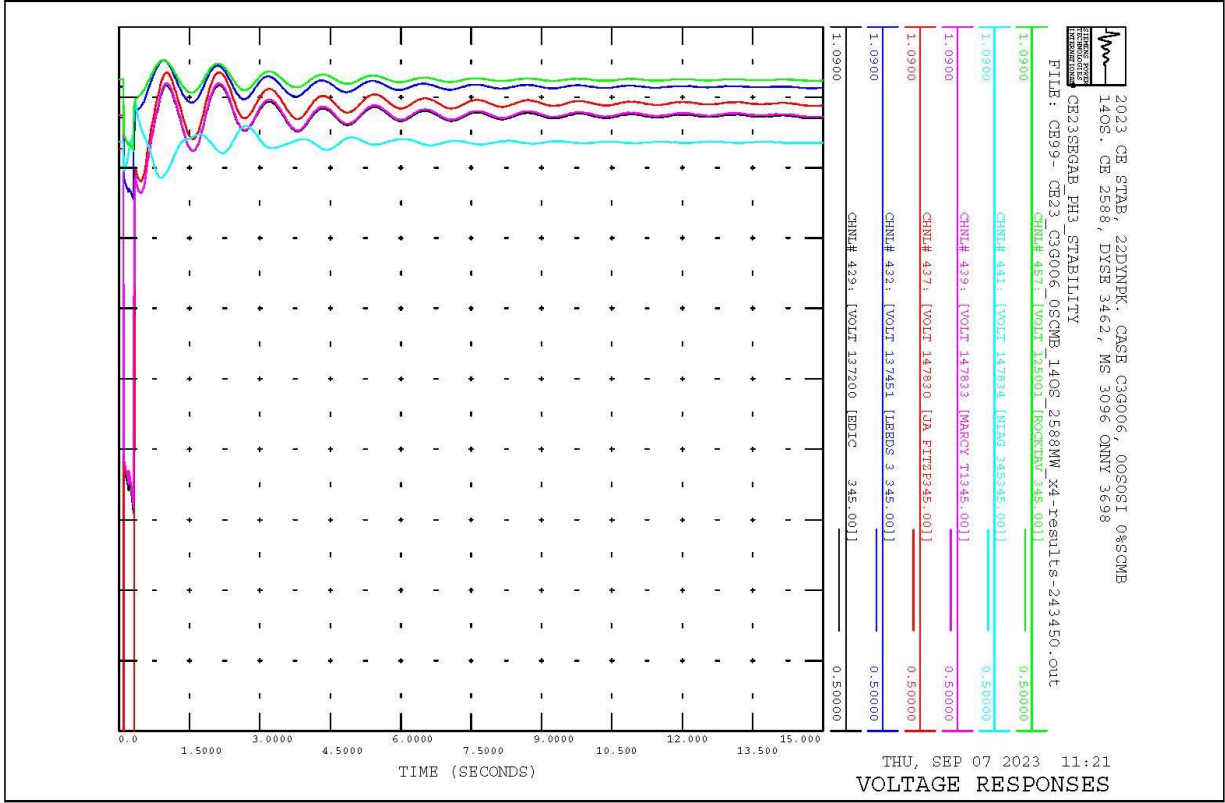
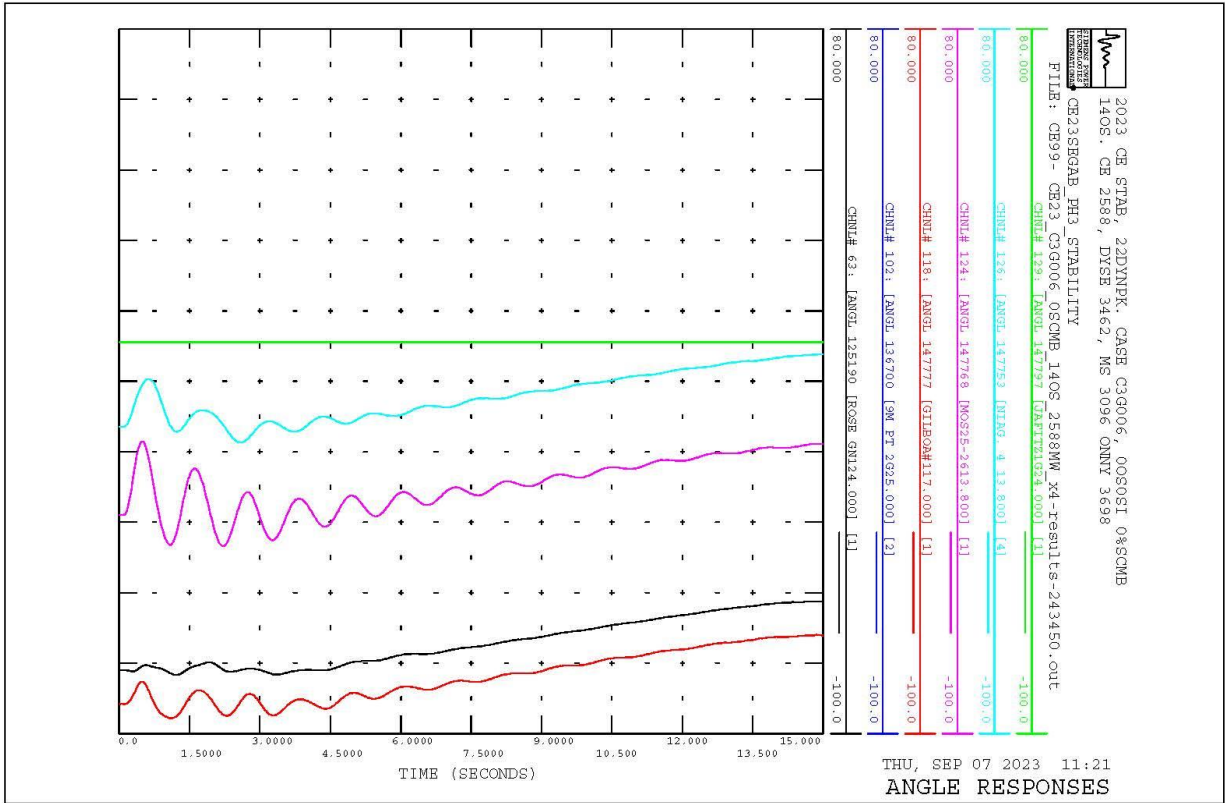


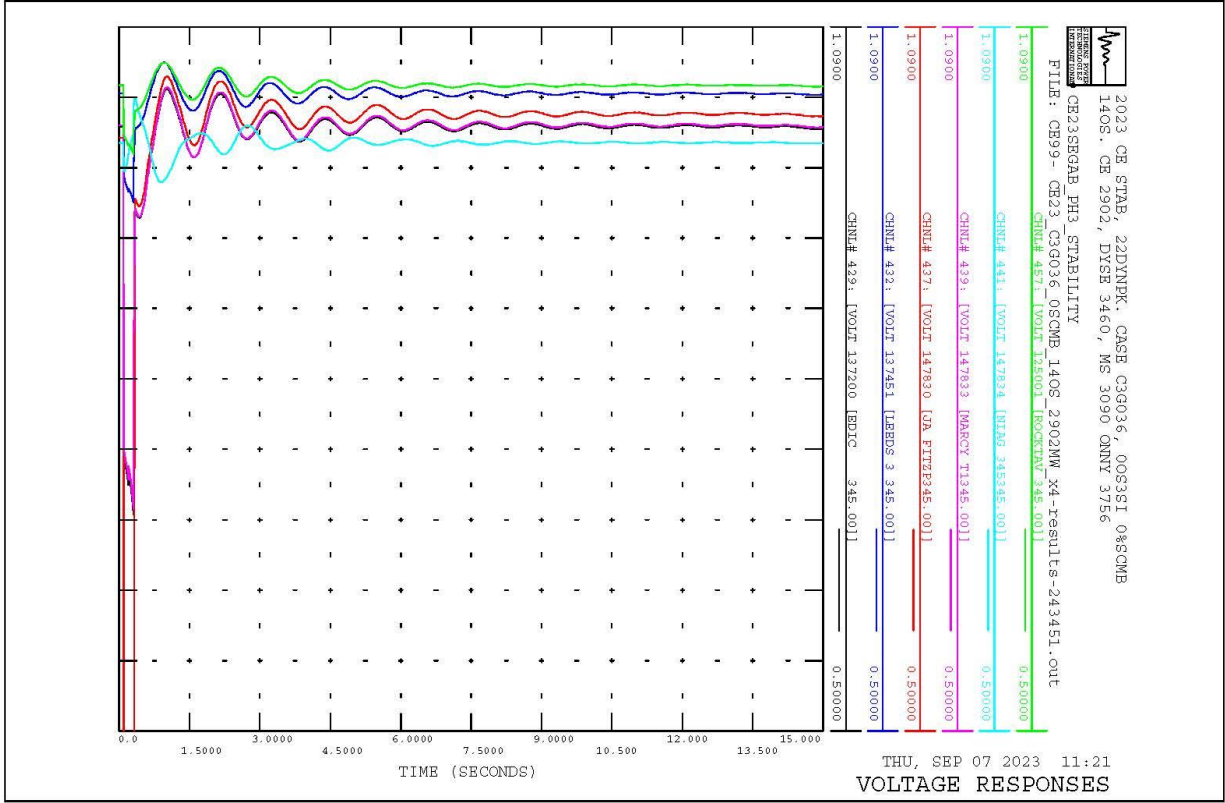
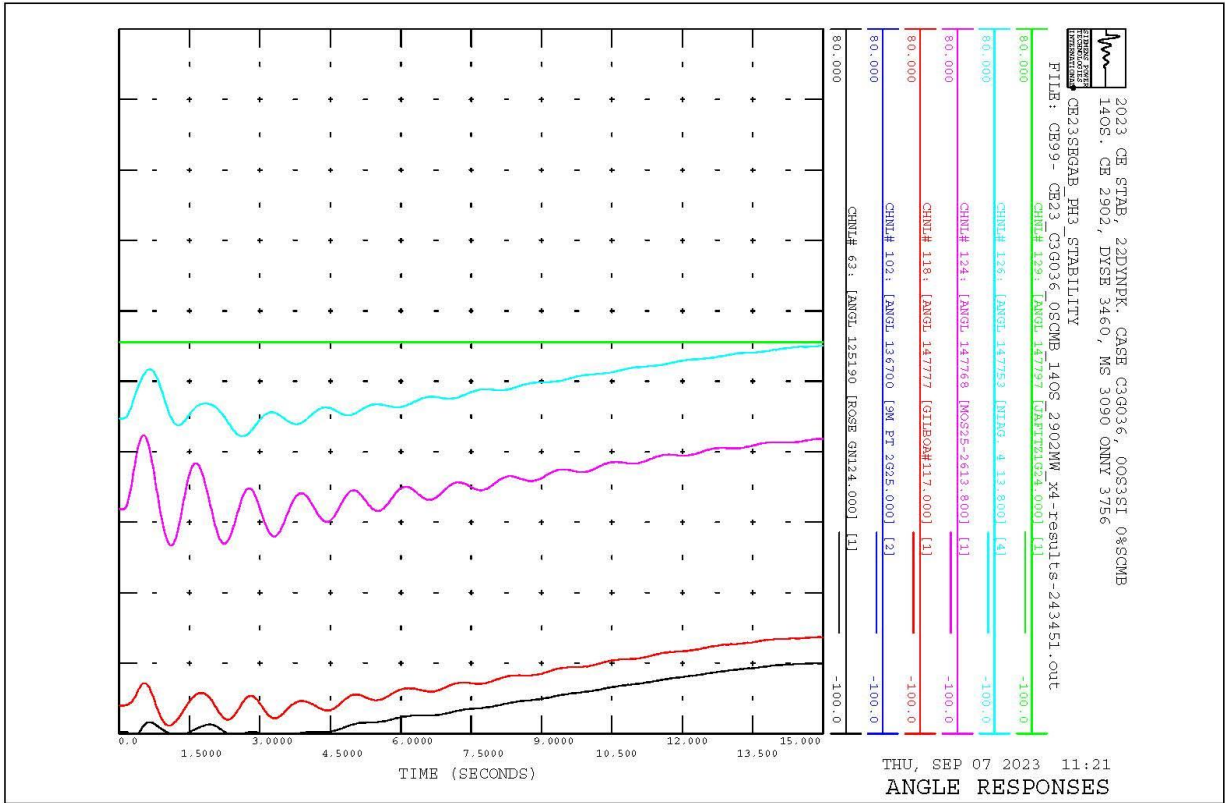


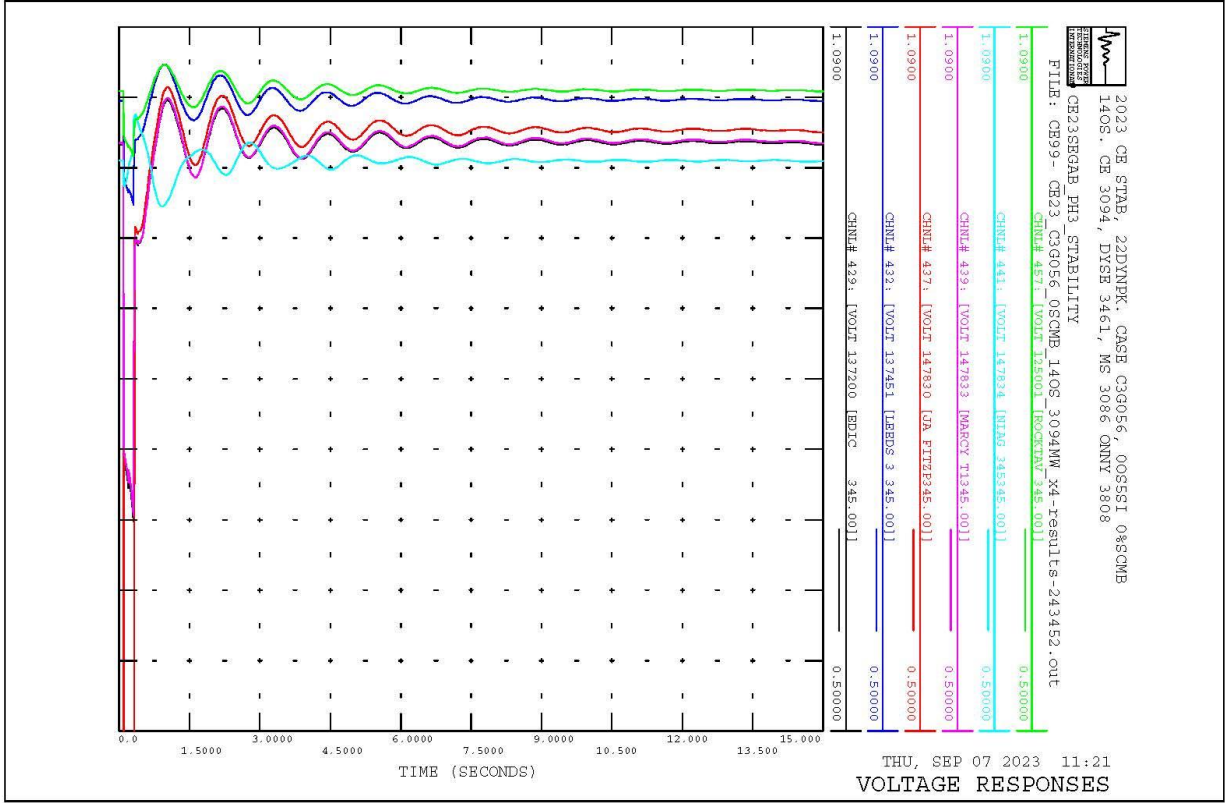
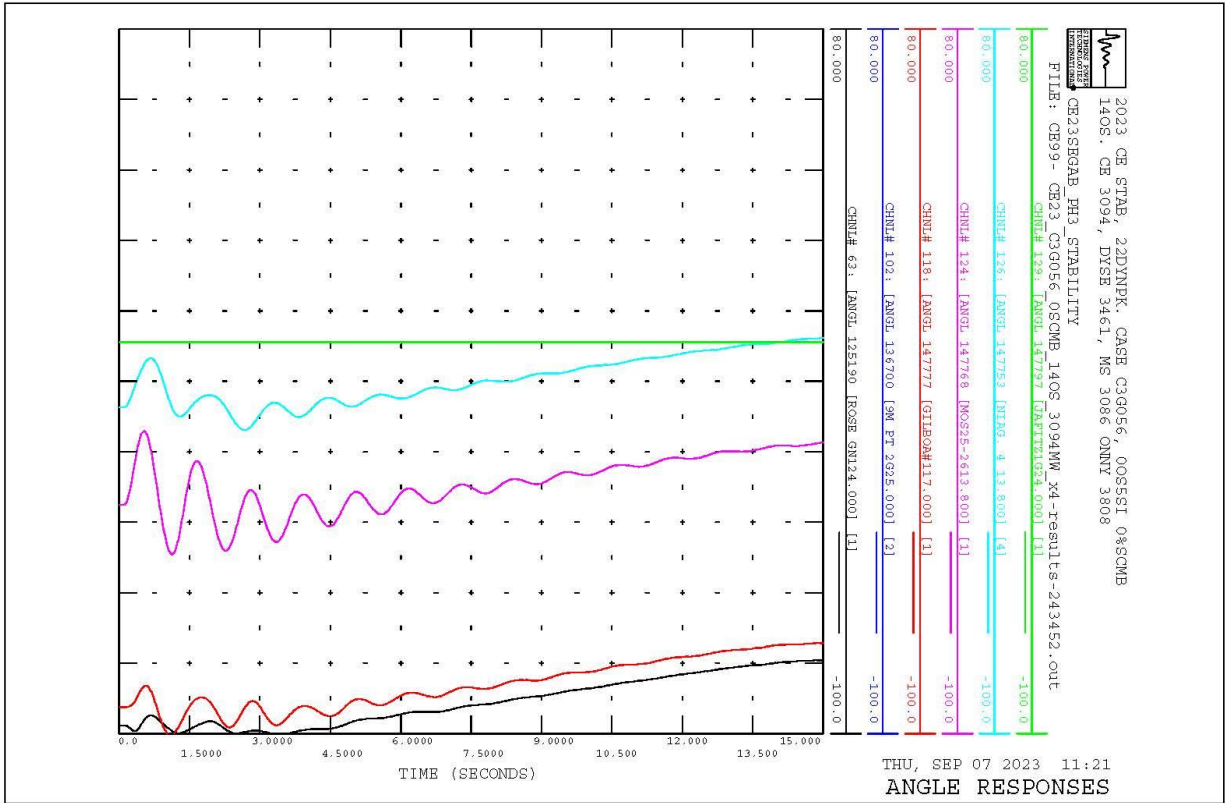


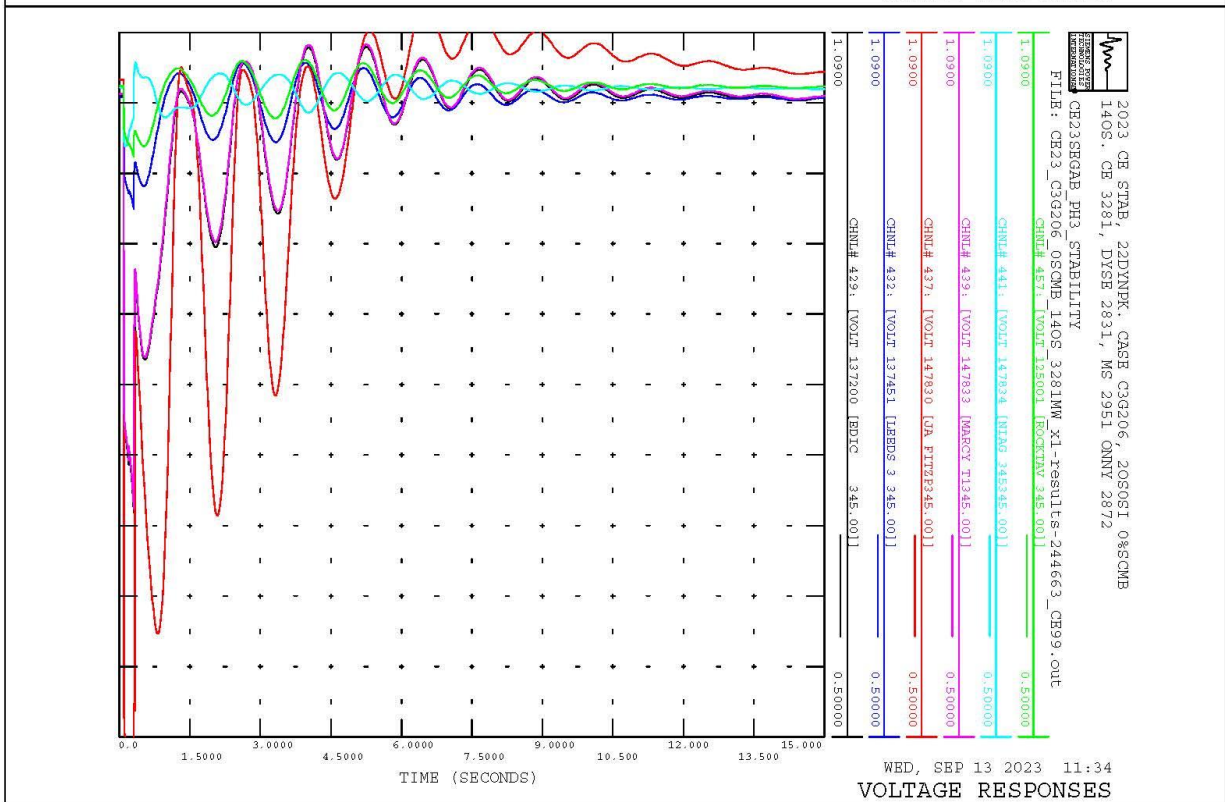
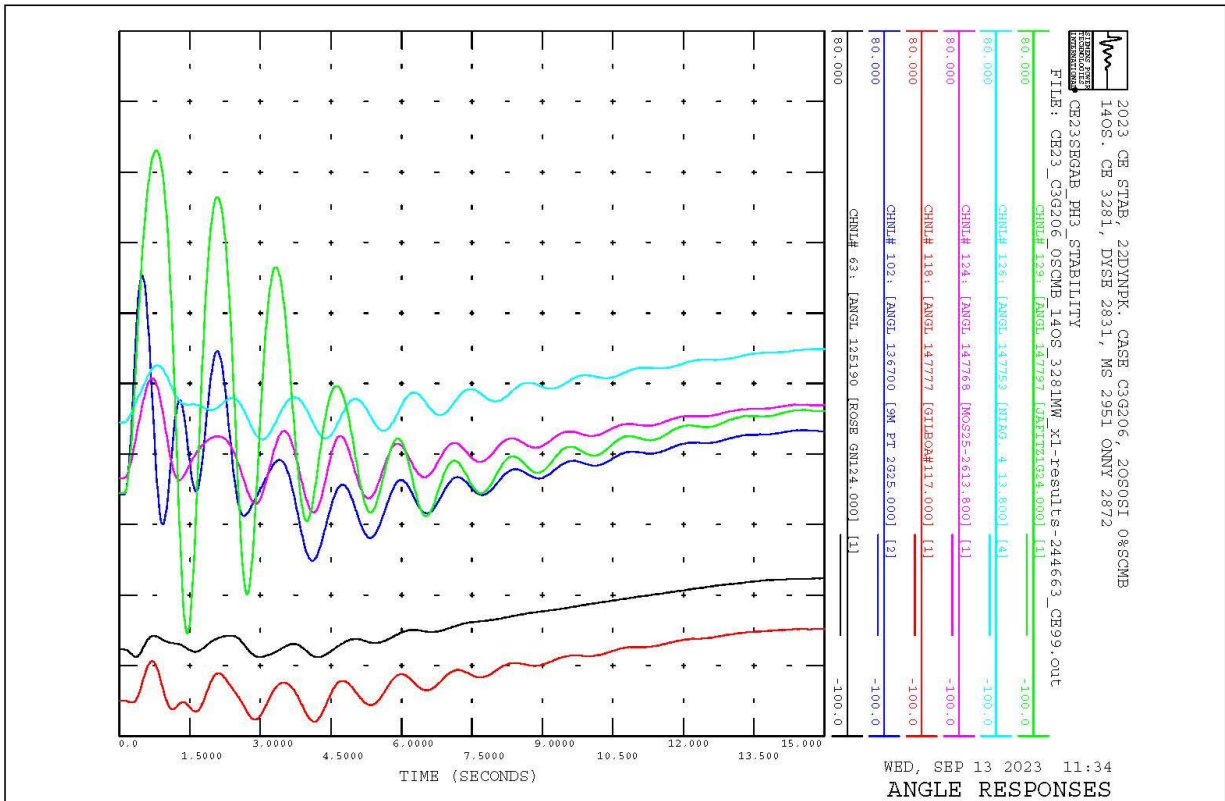


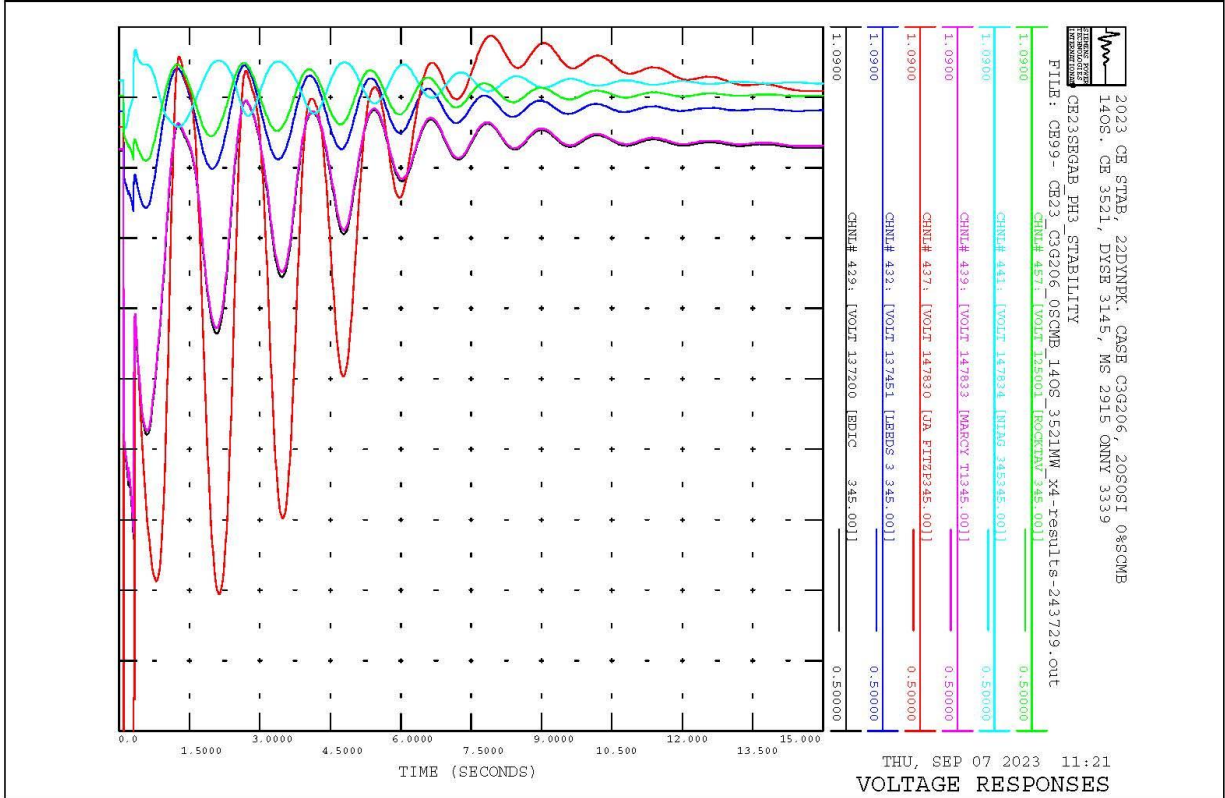
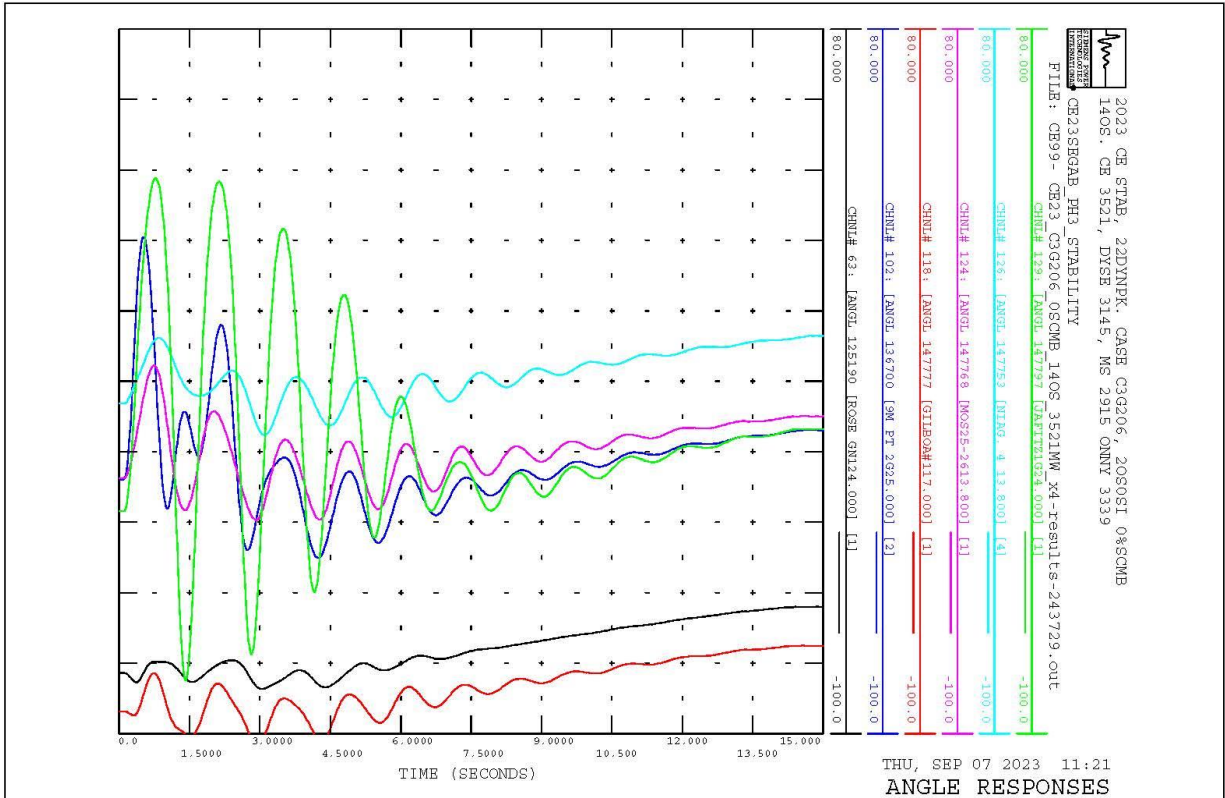


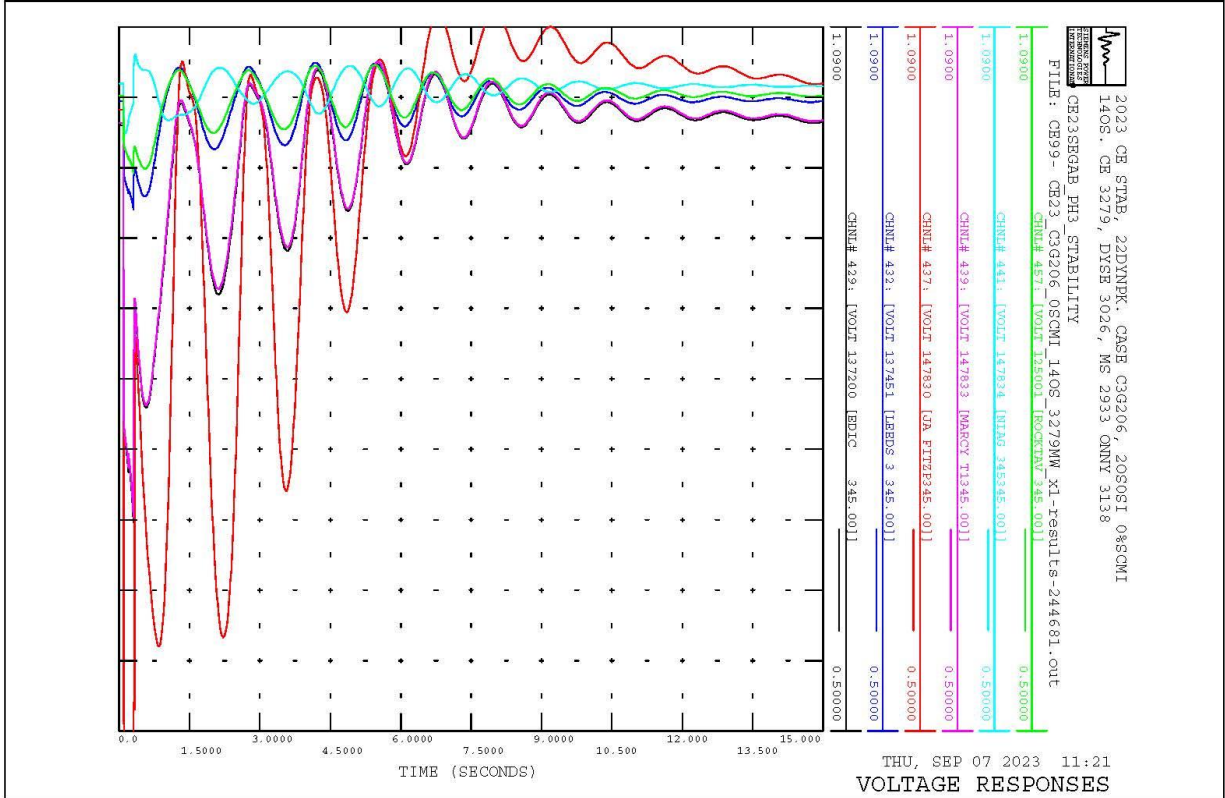
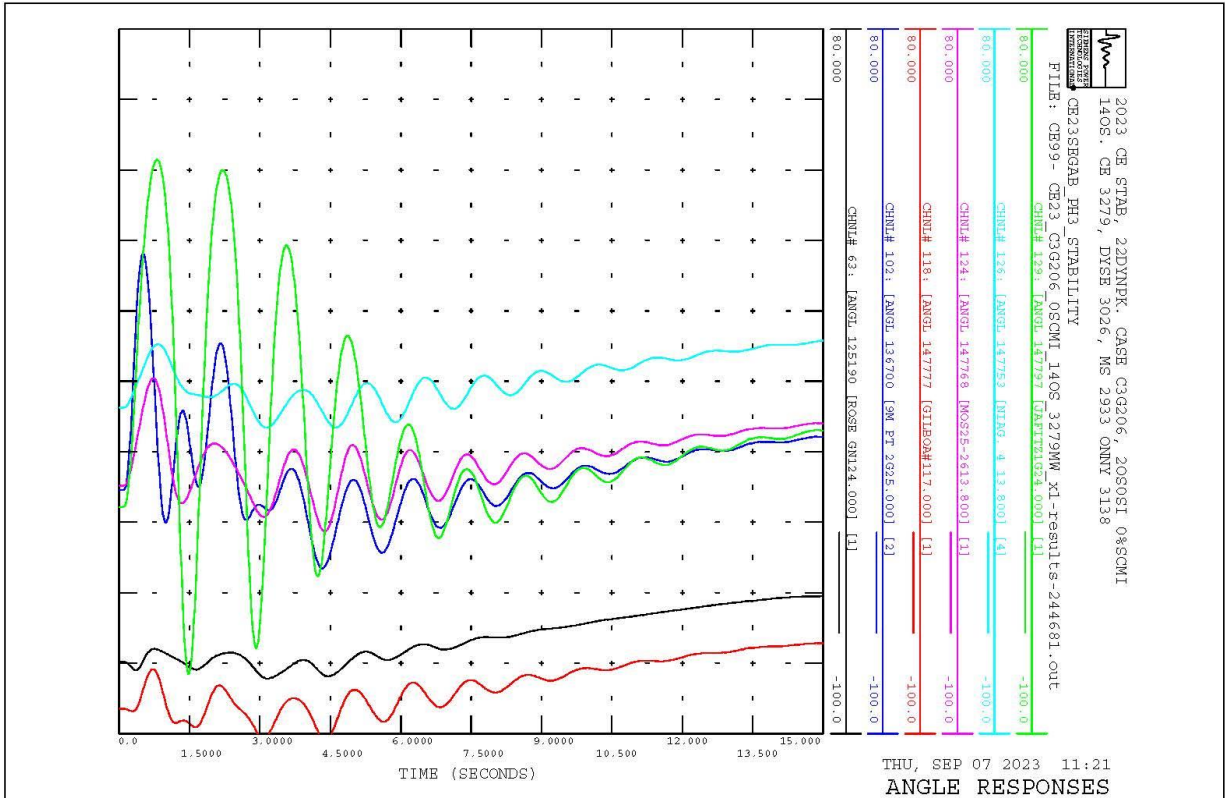


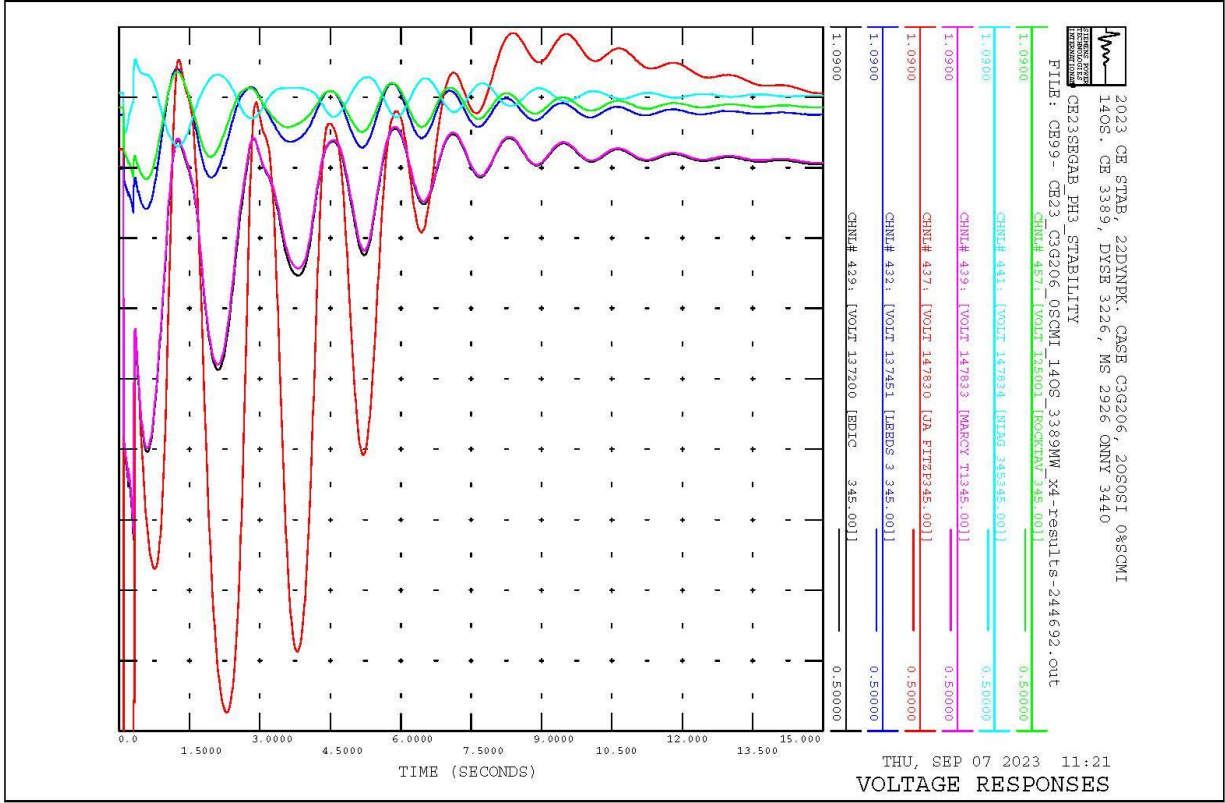
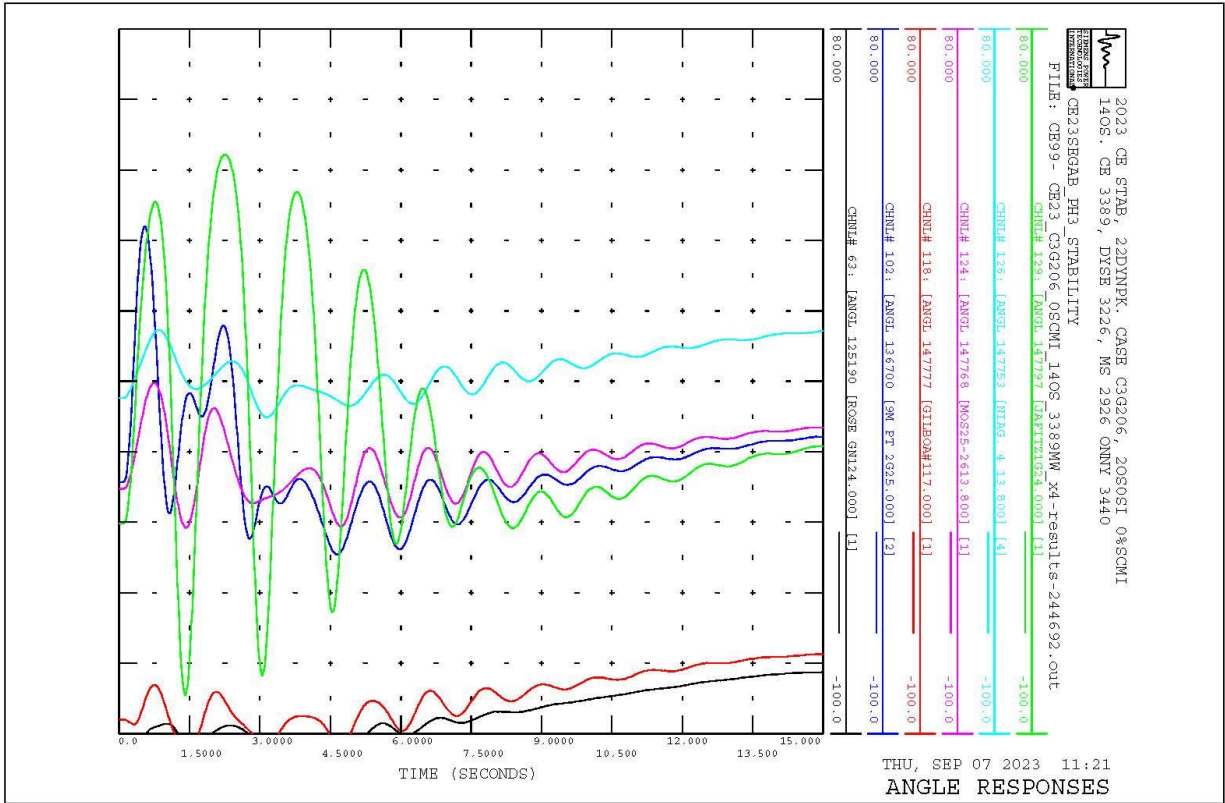


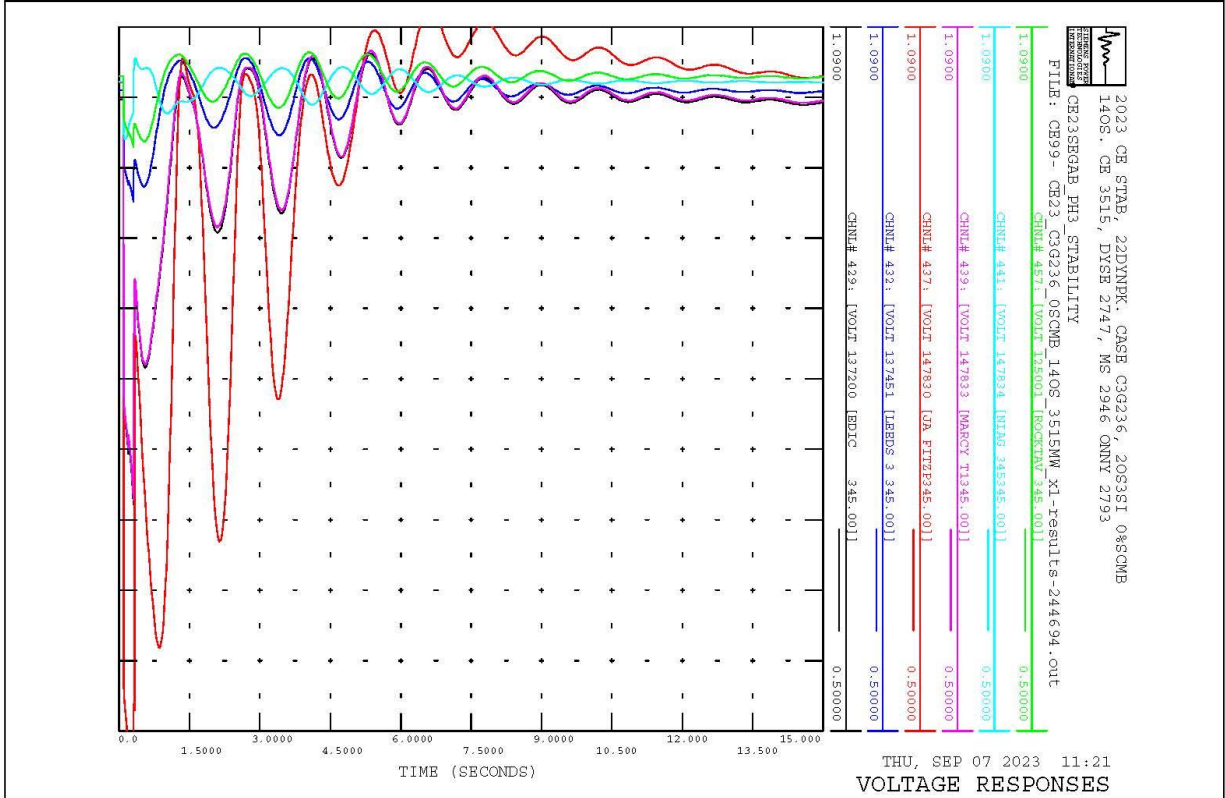
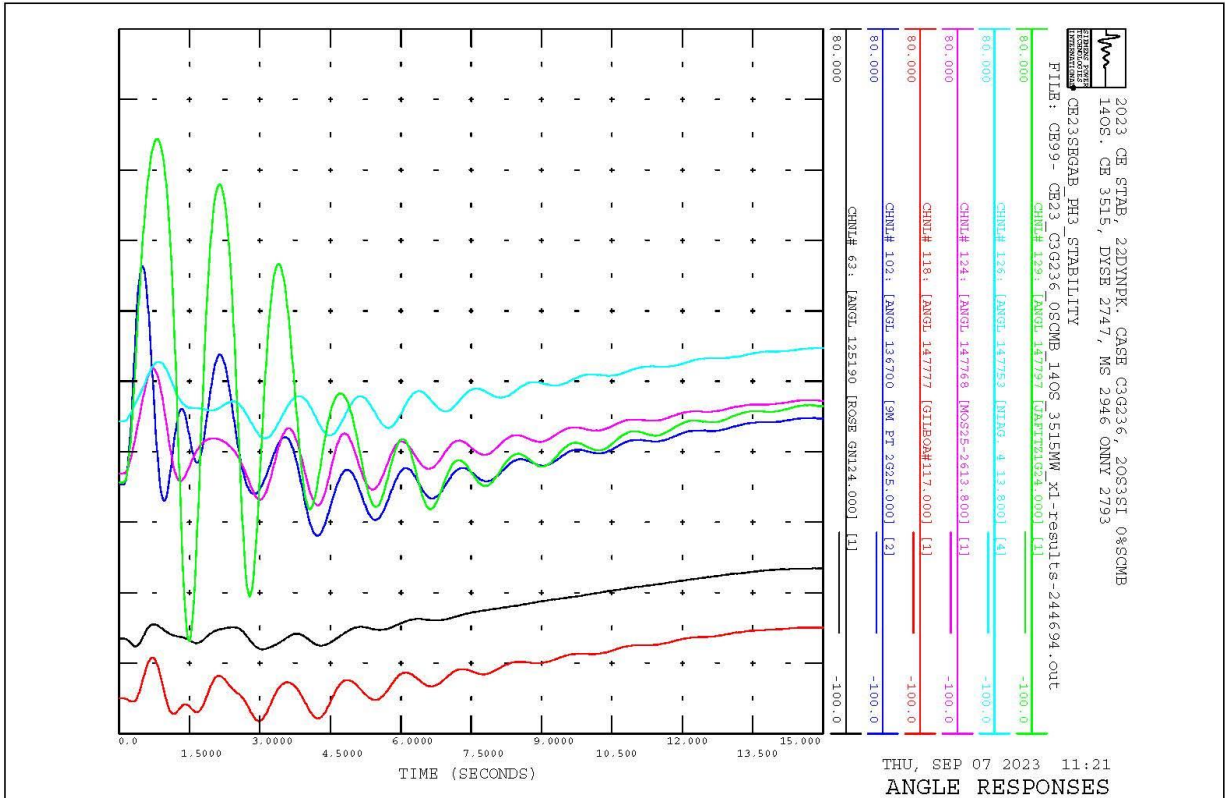


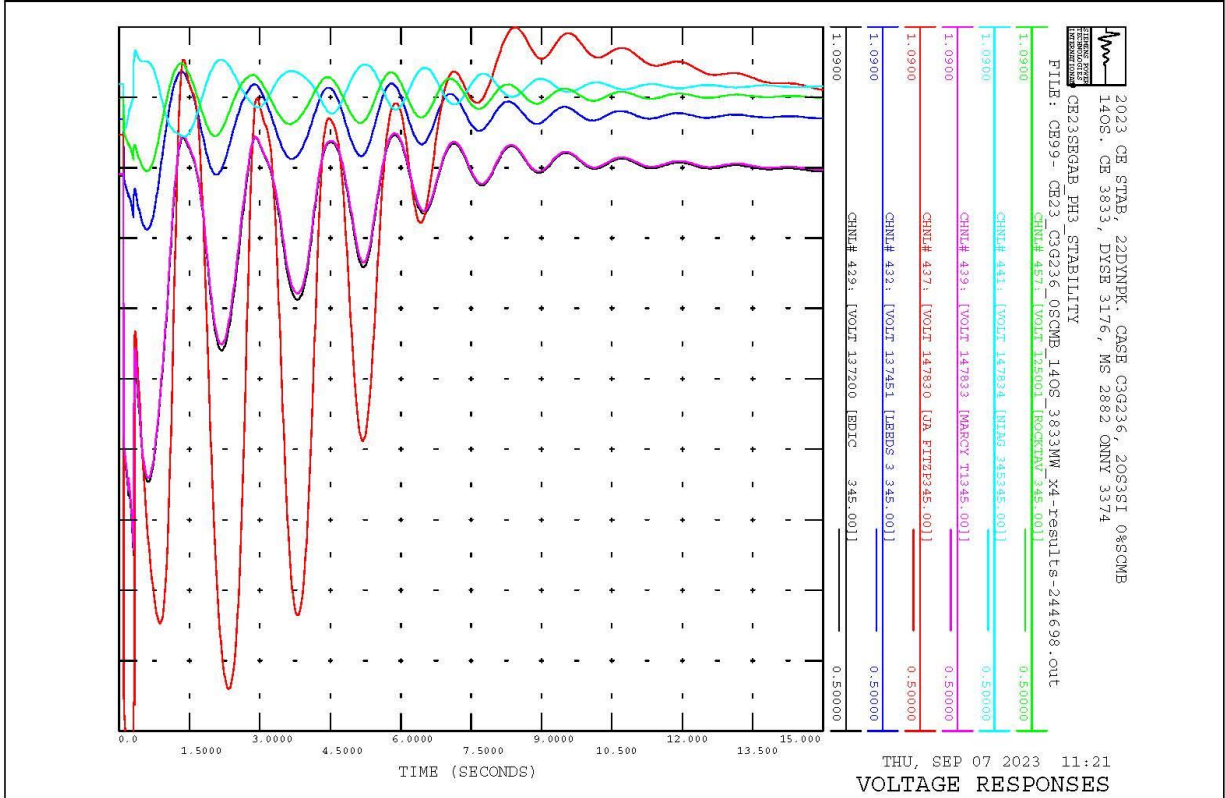
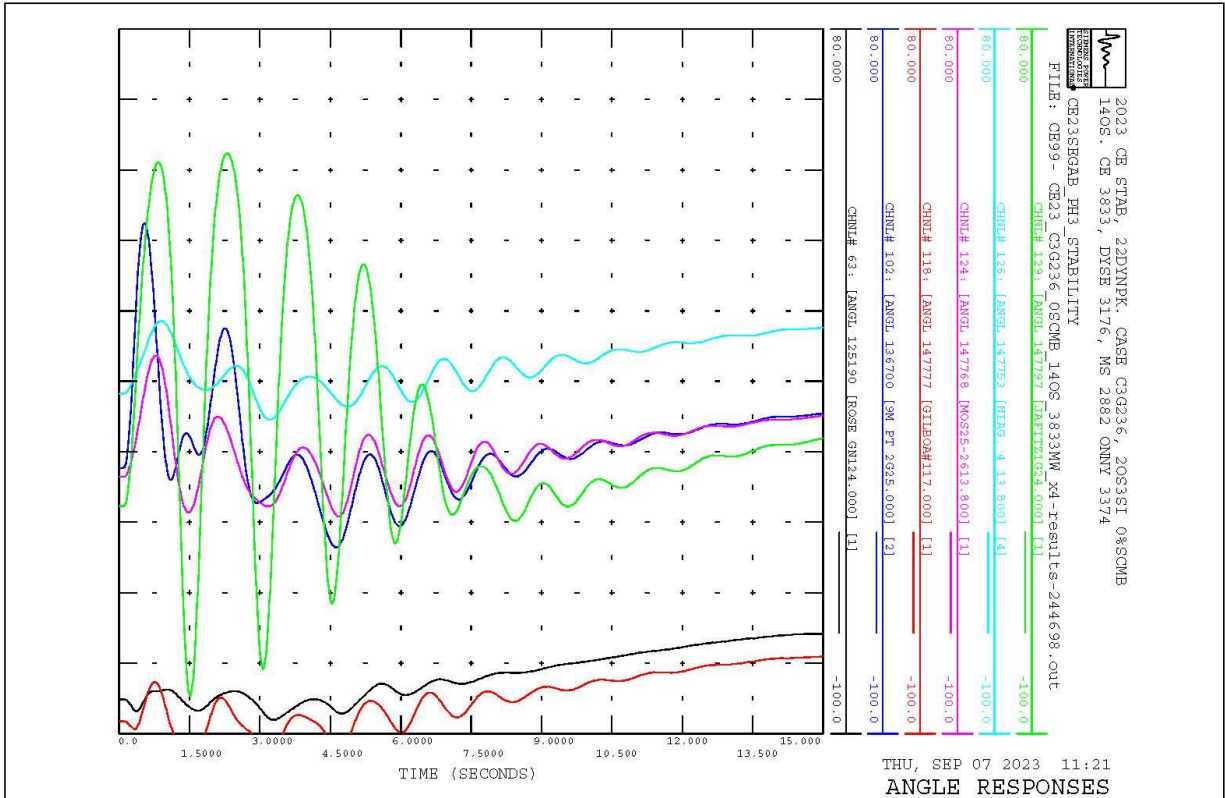


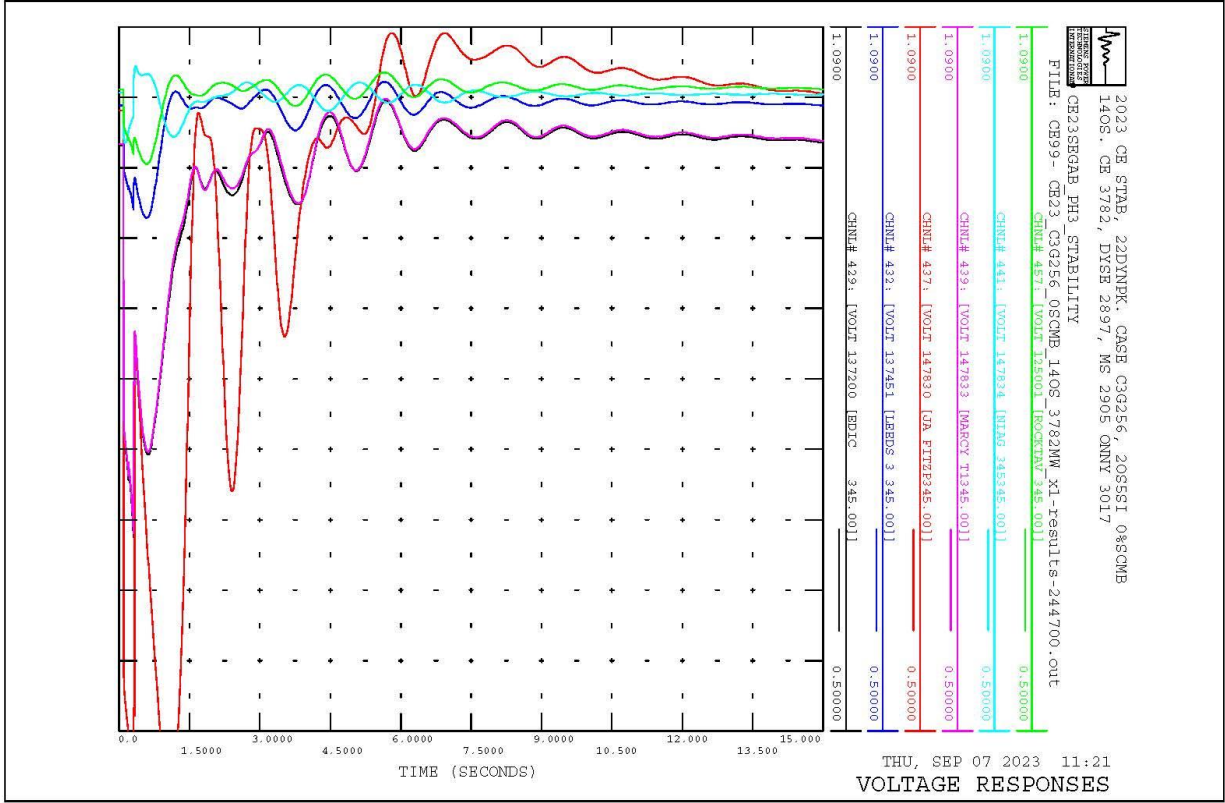
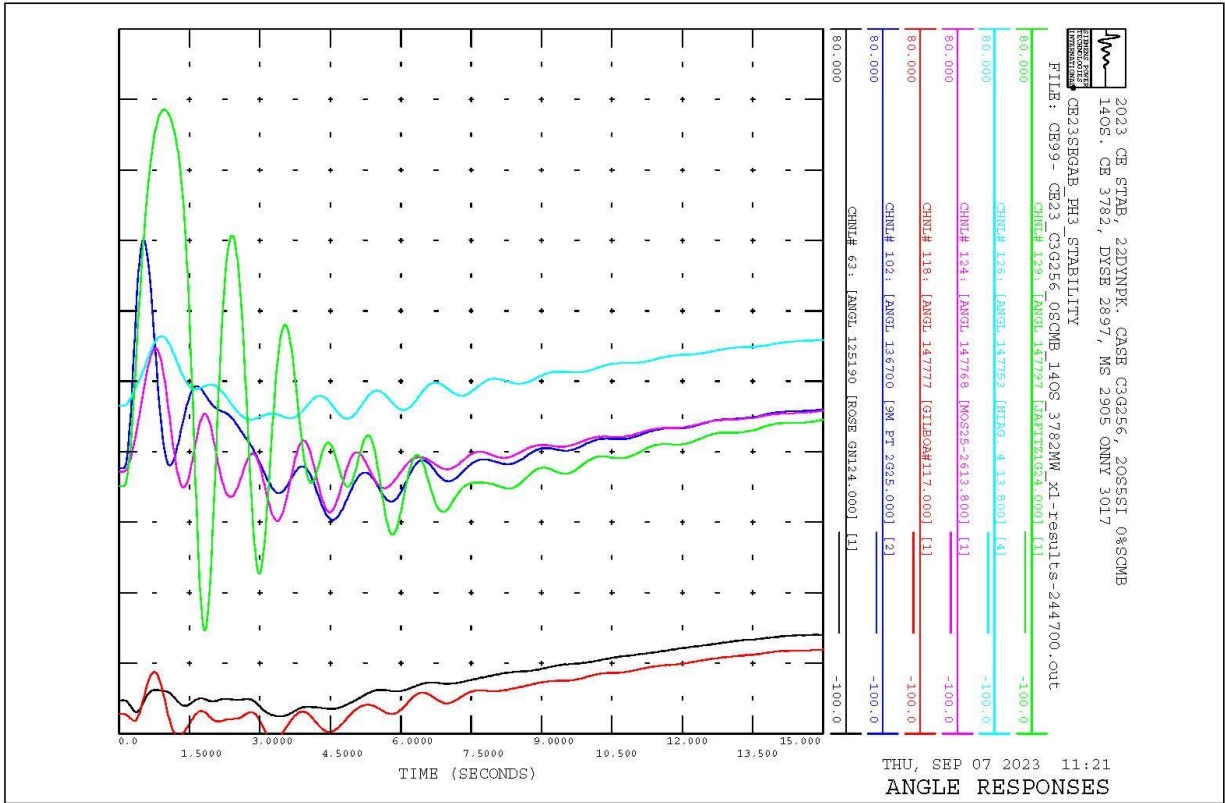


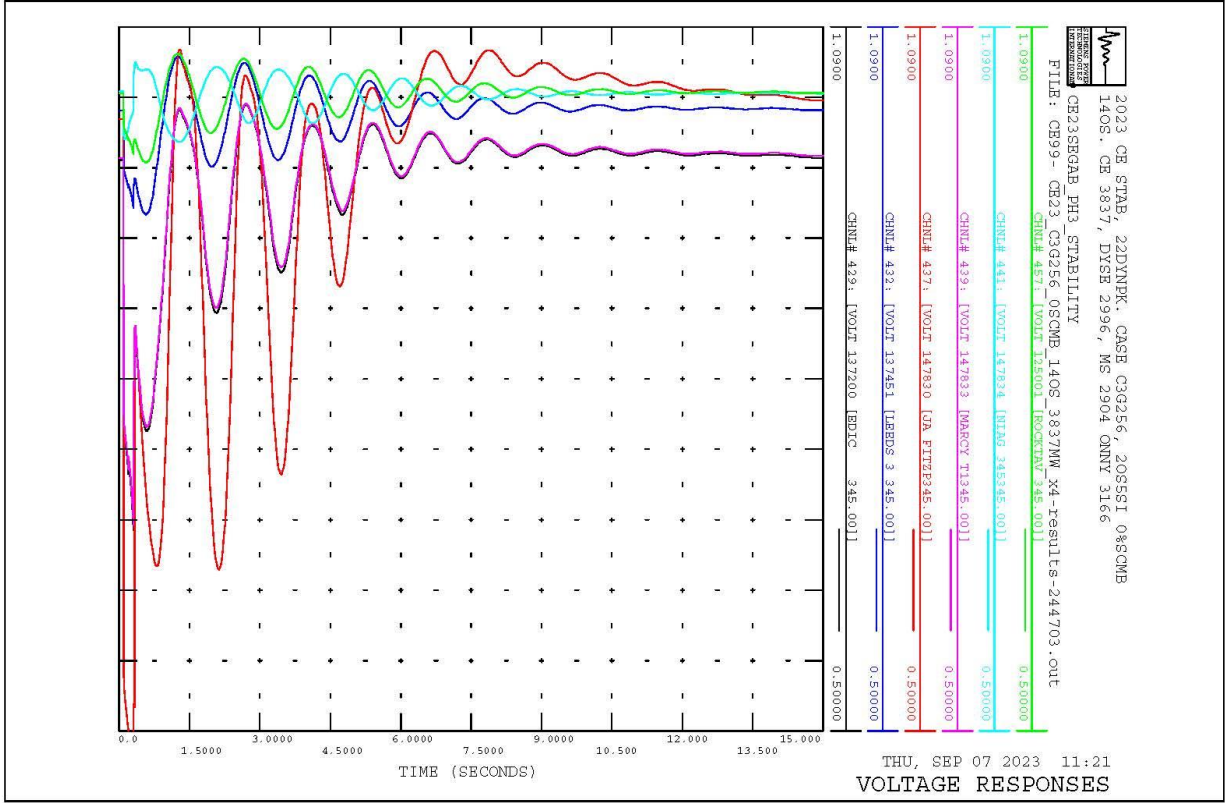
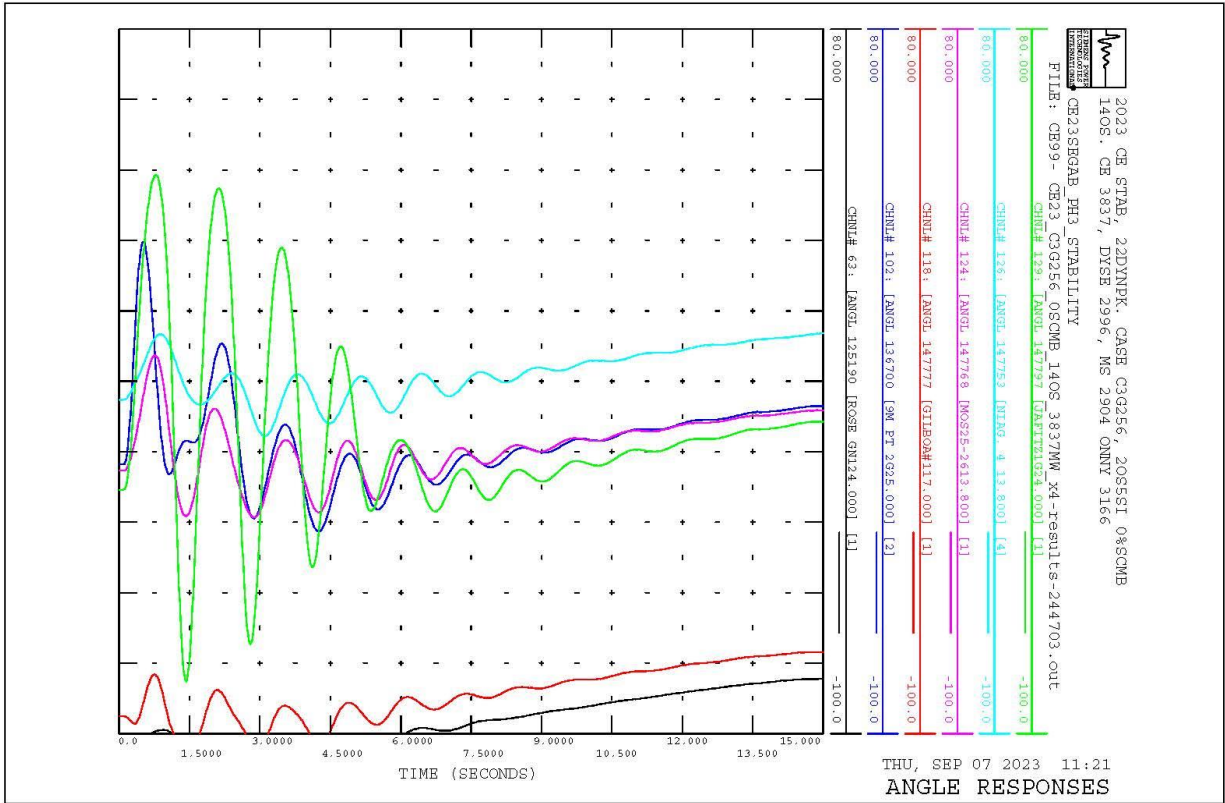




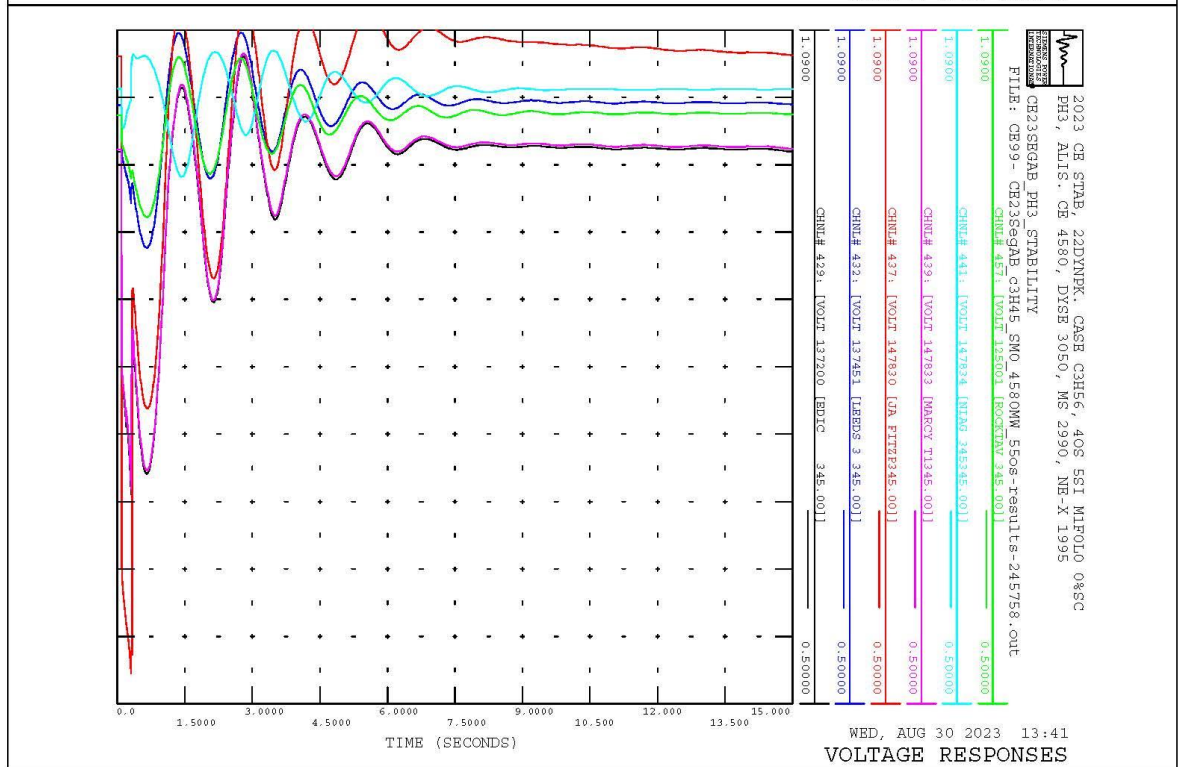
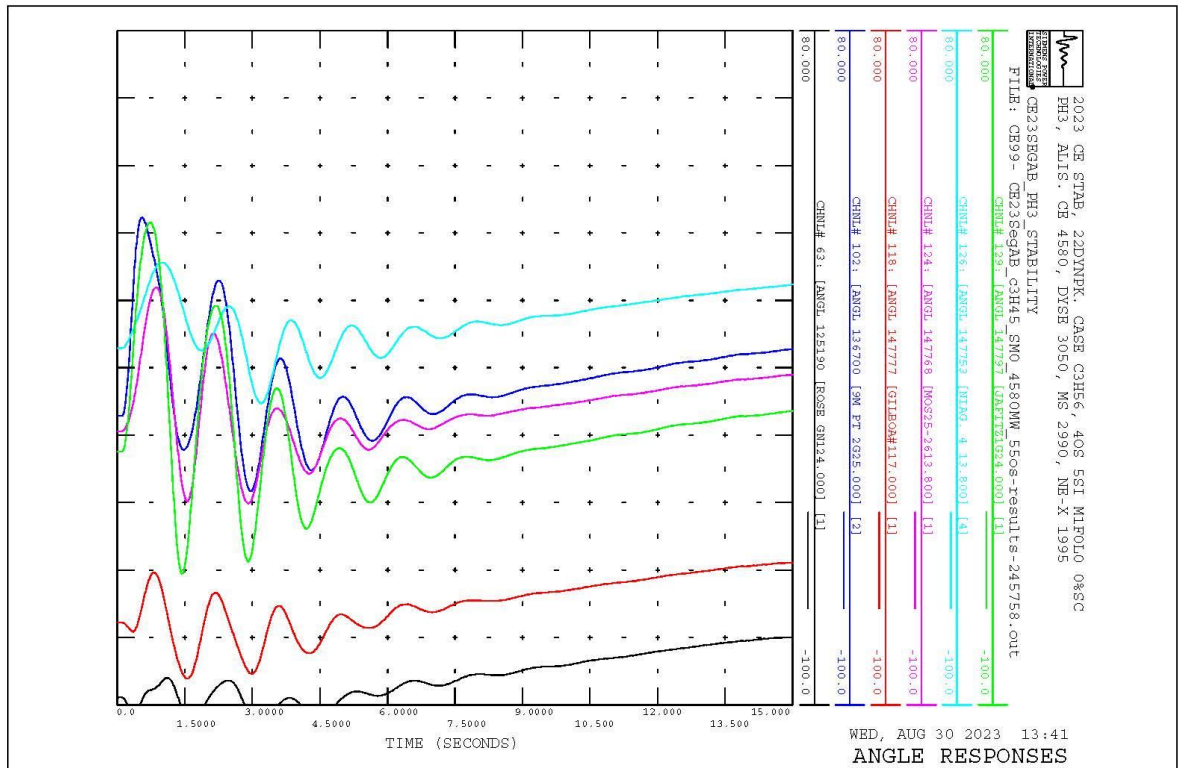


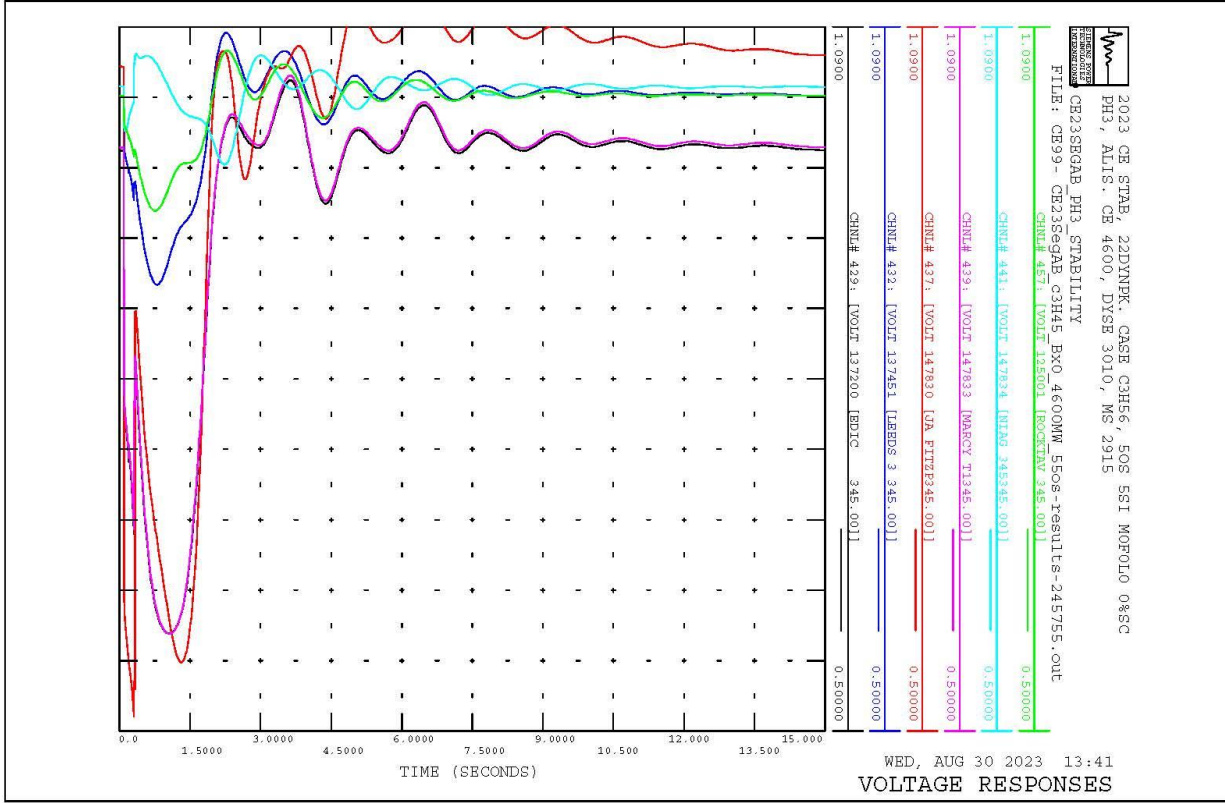
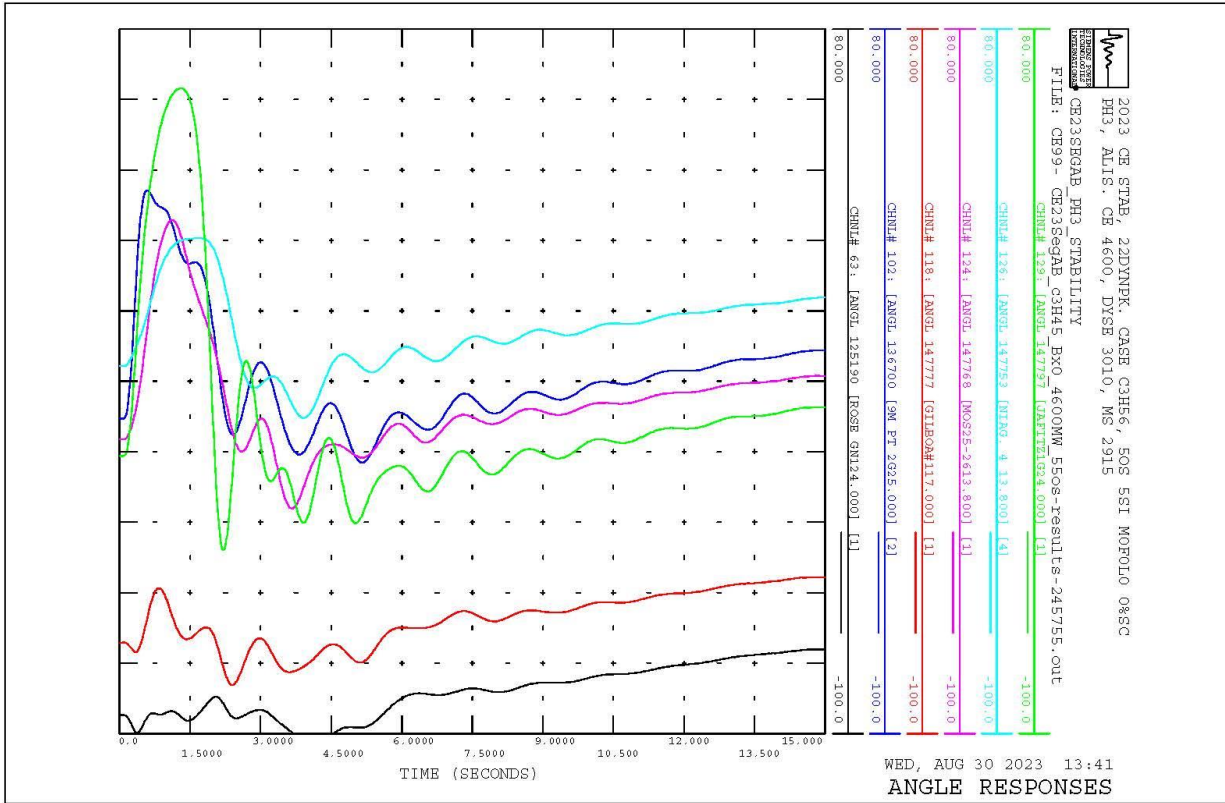


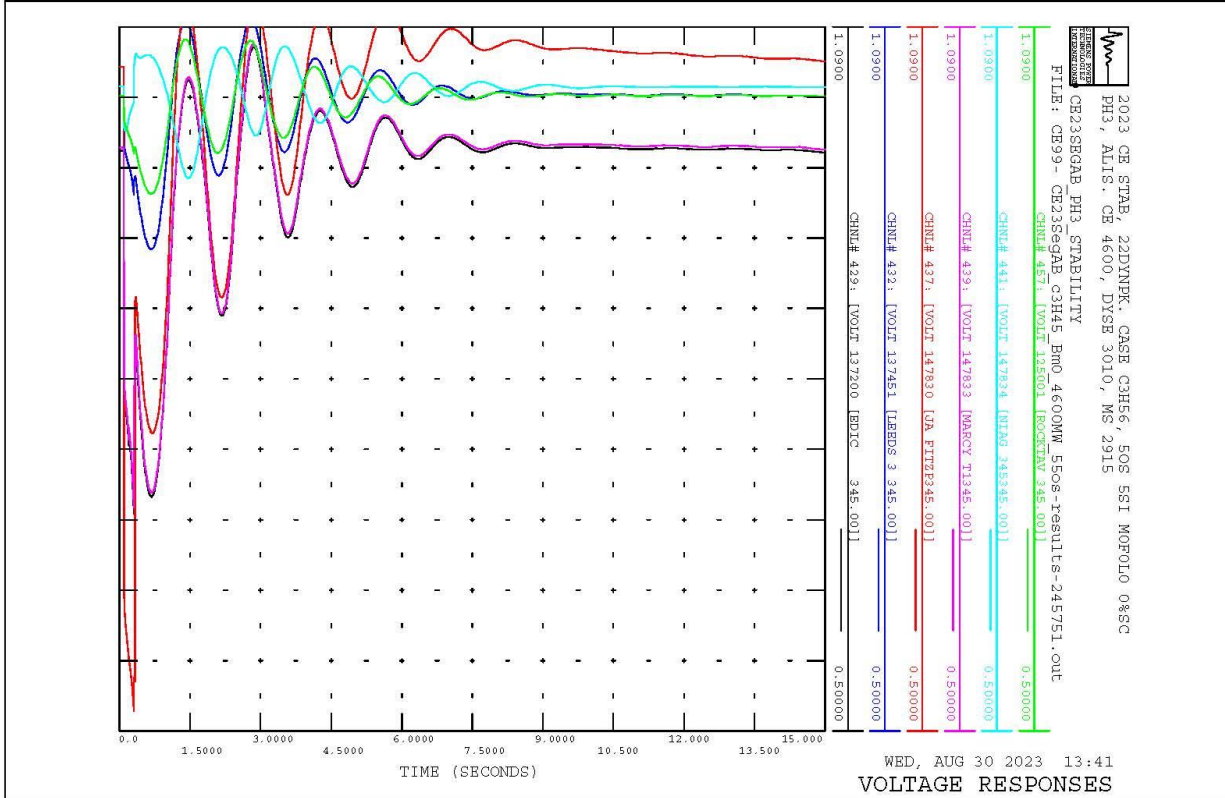
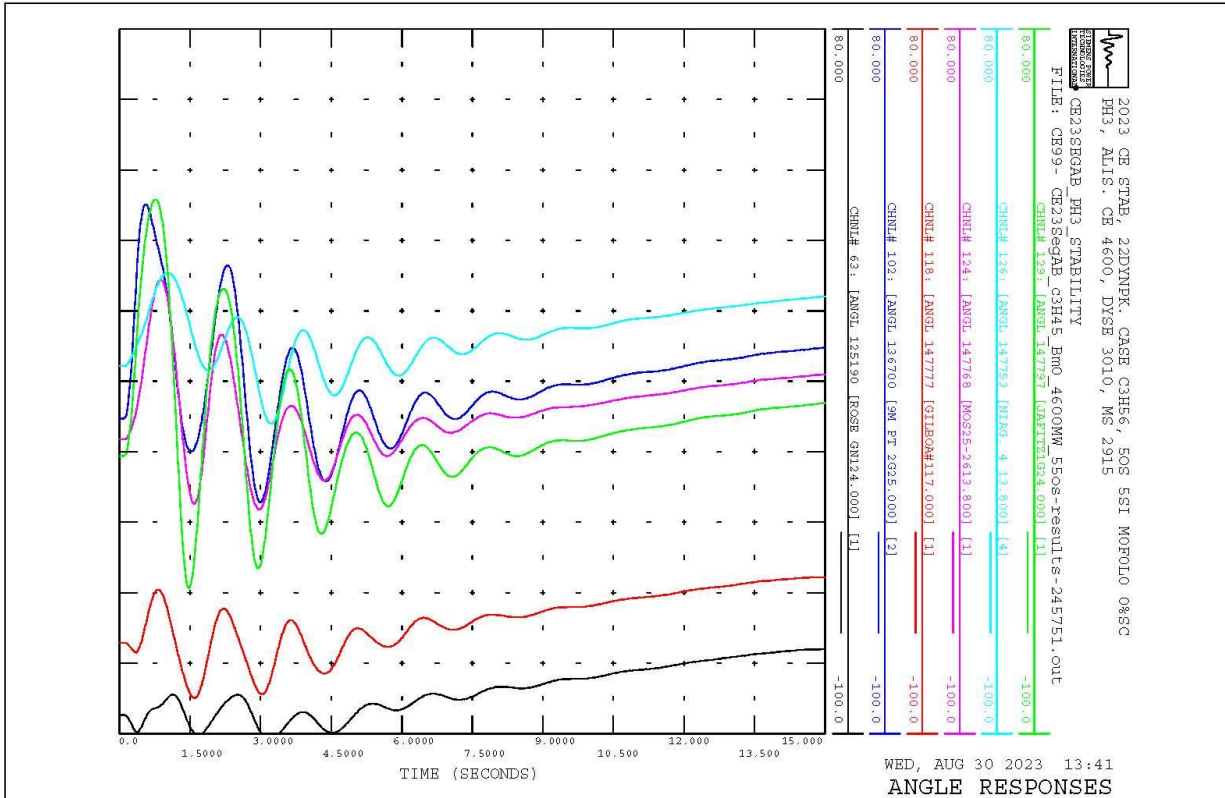


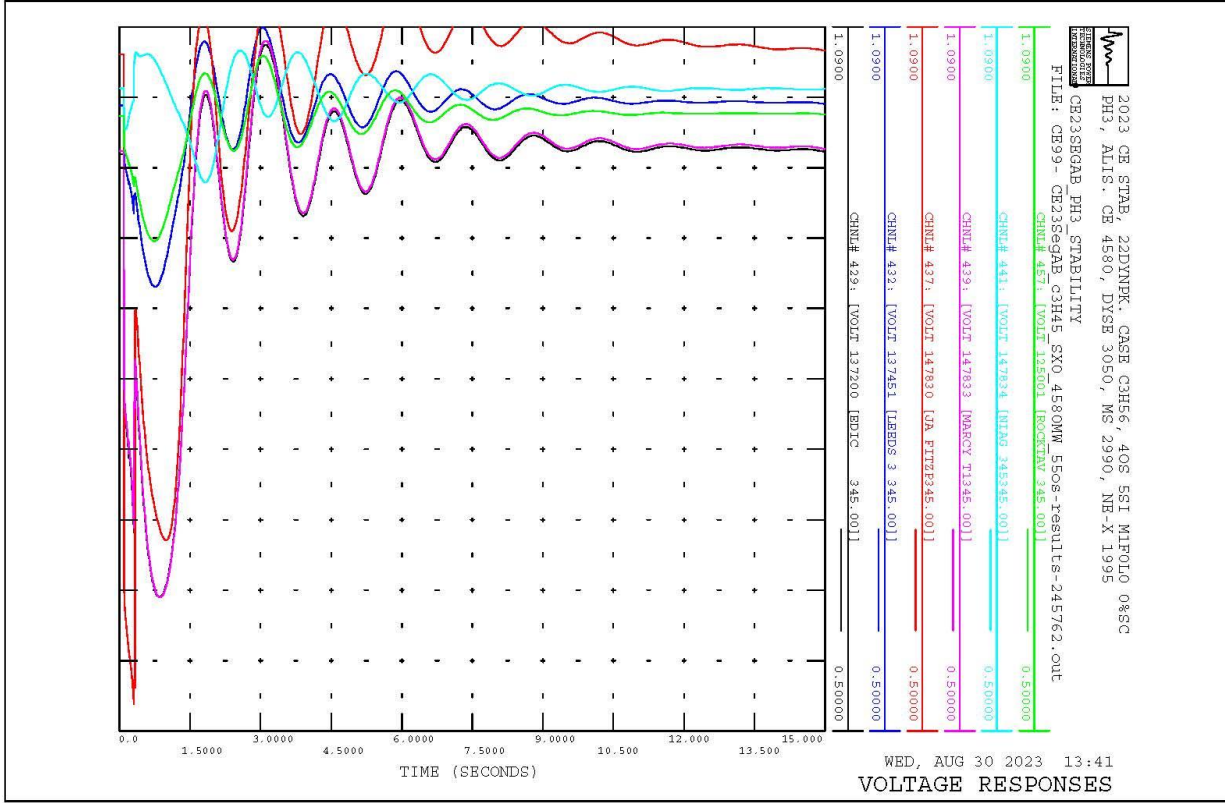
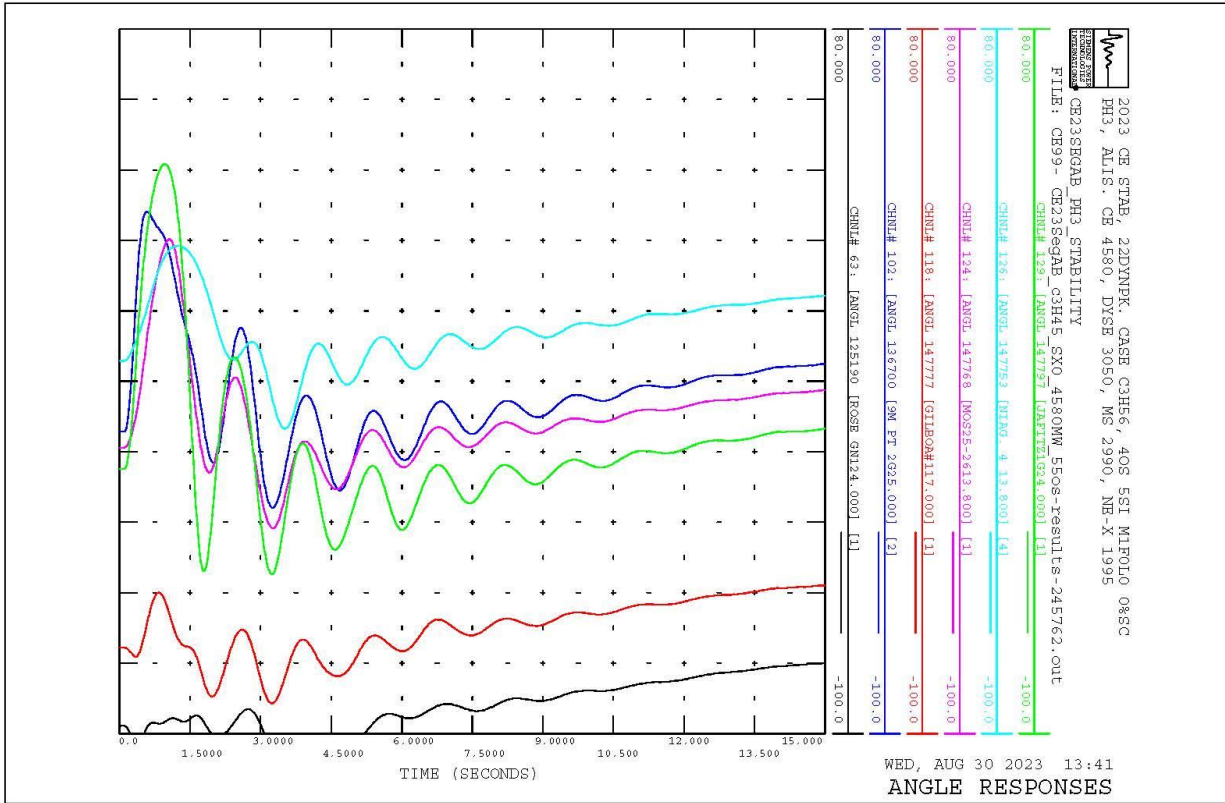


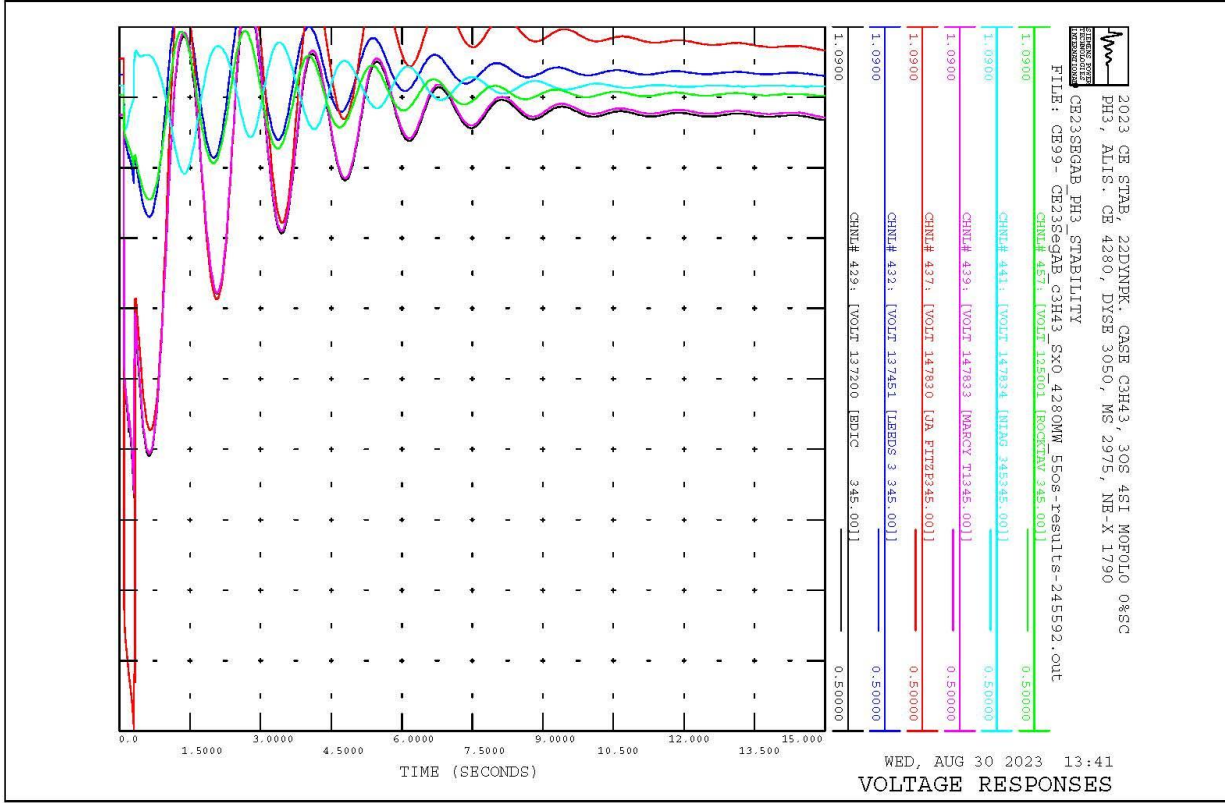
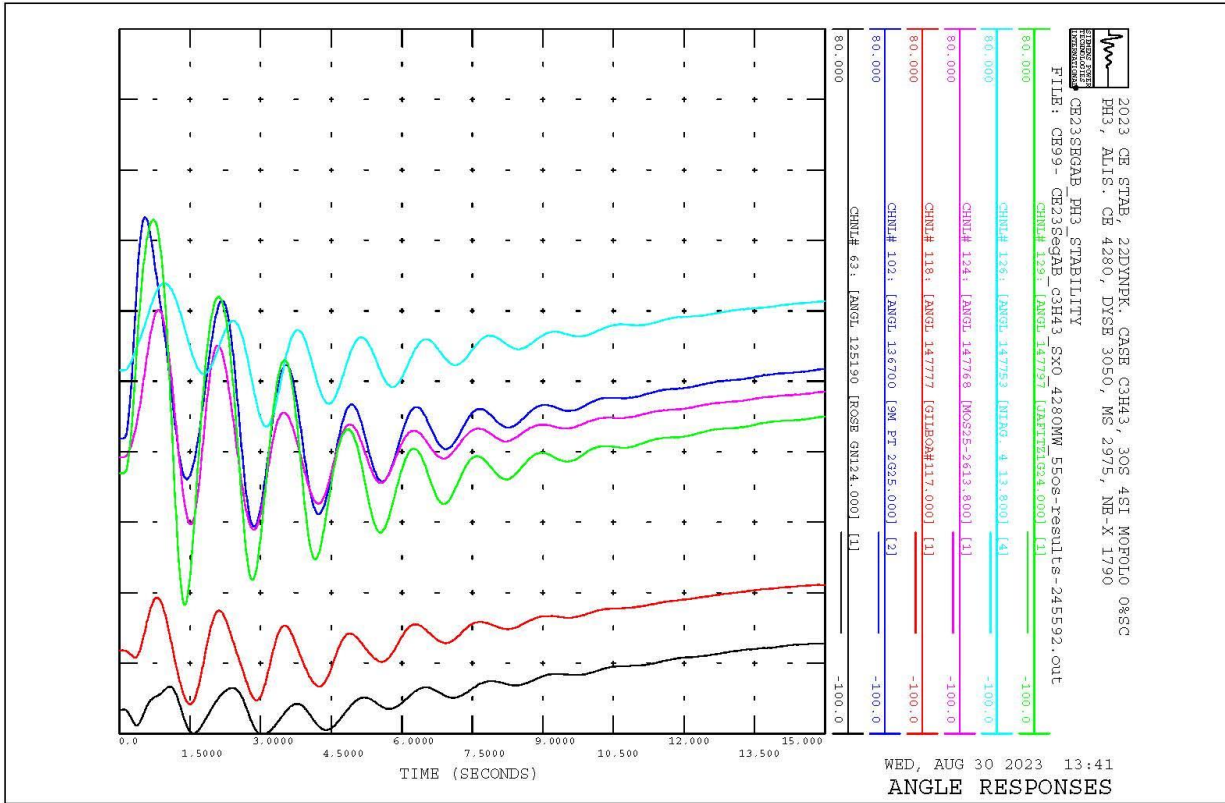
Appendix E: Princetown – New Scotland (55) 345 kV Out of Service

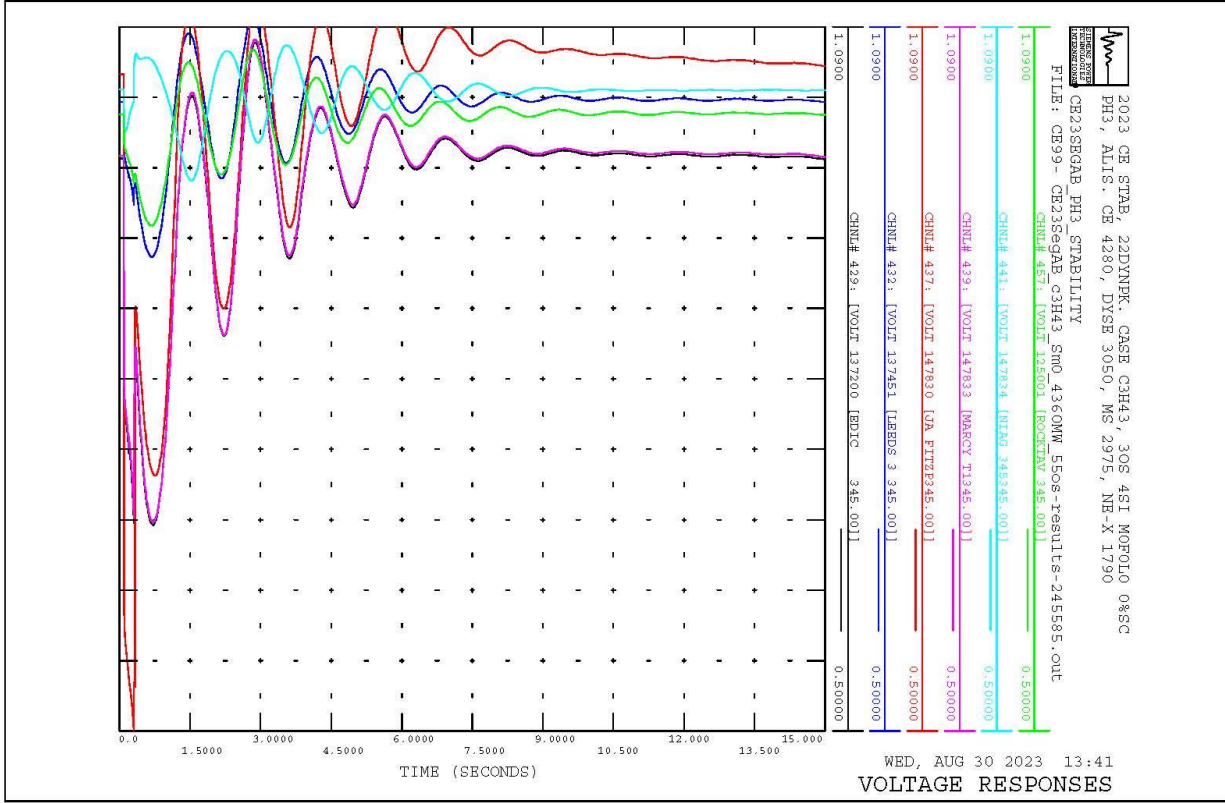
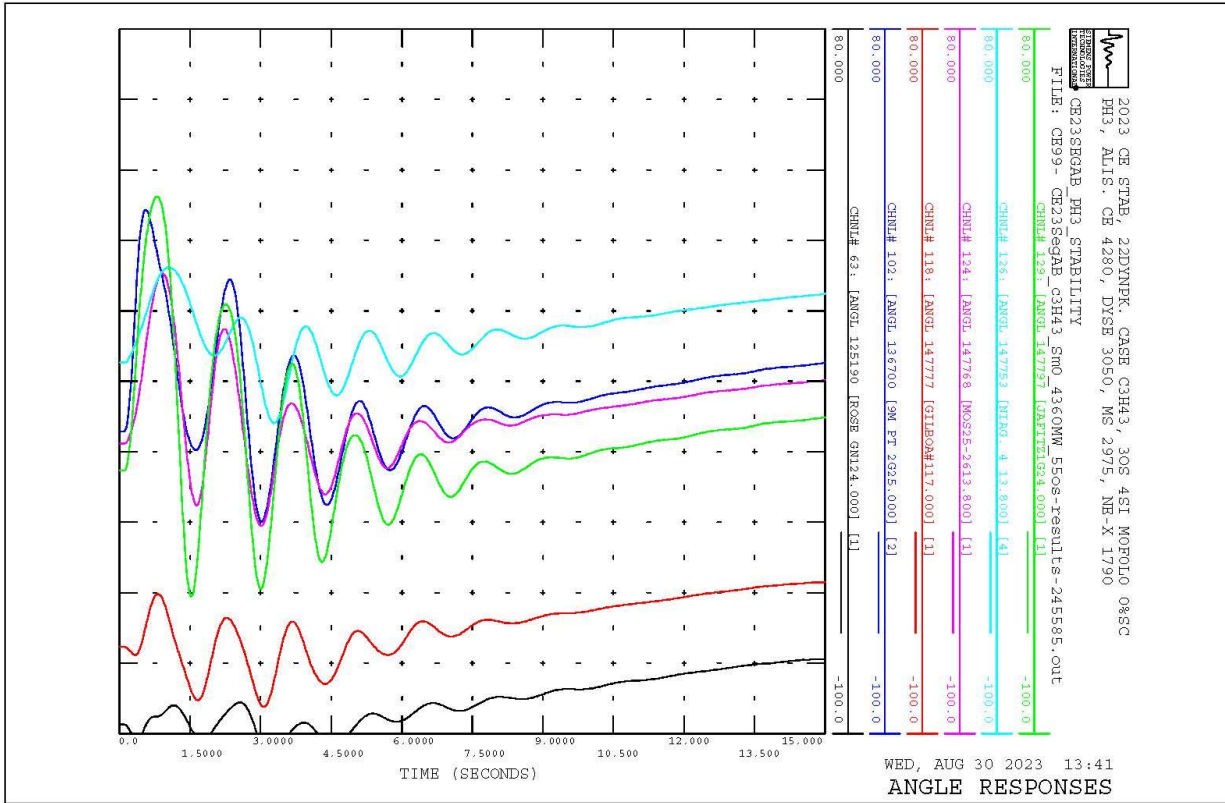


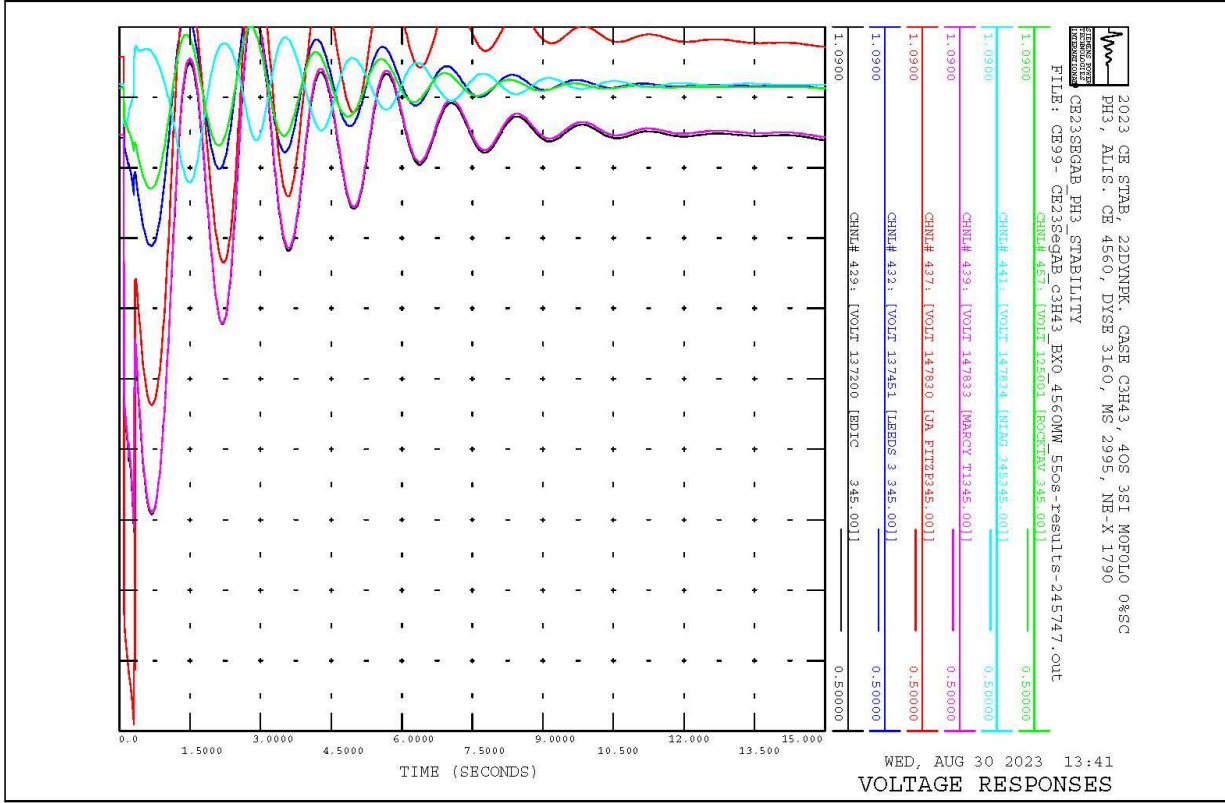
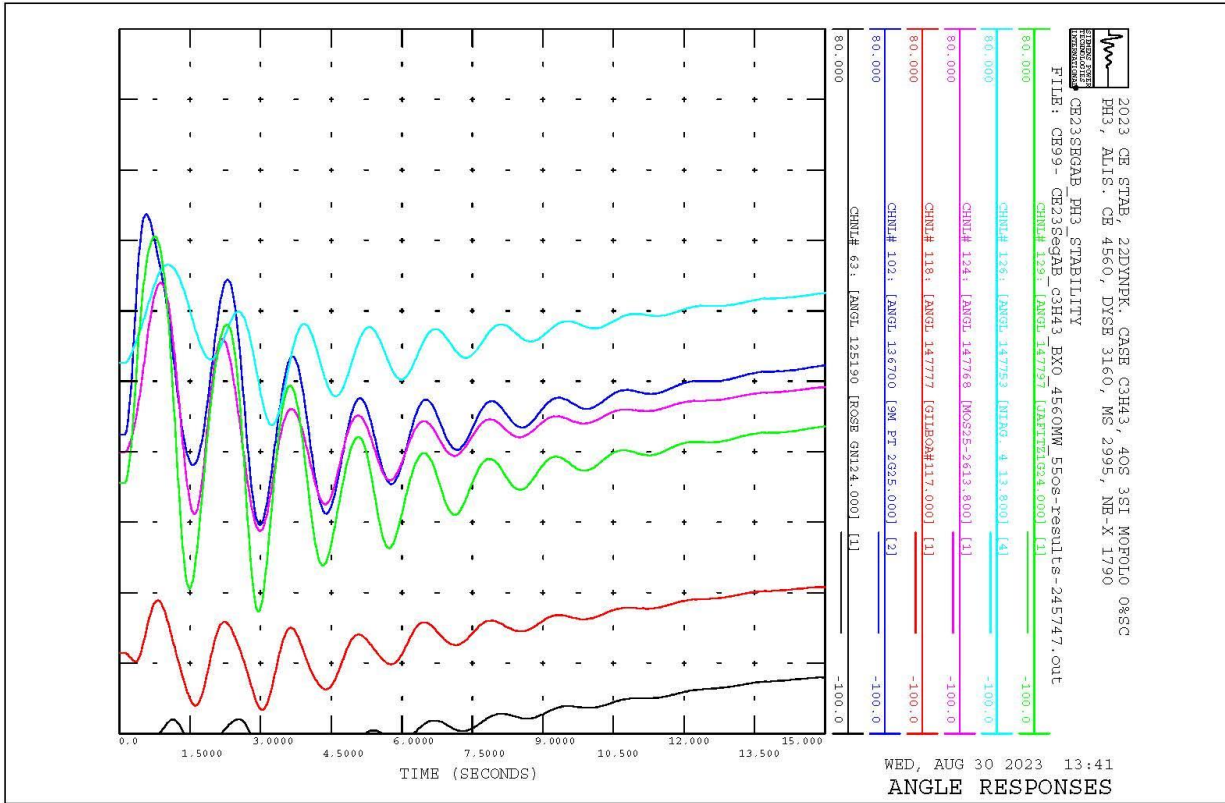


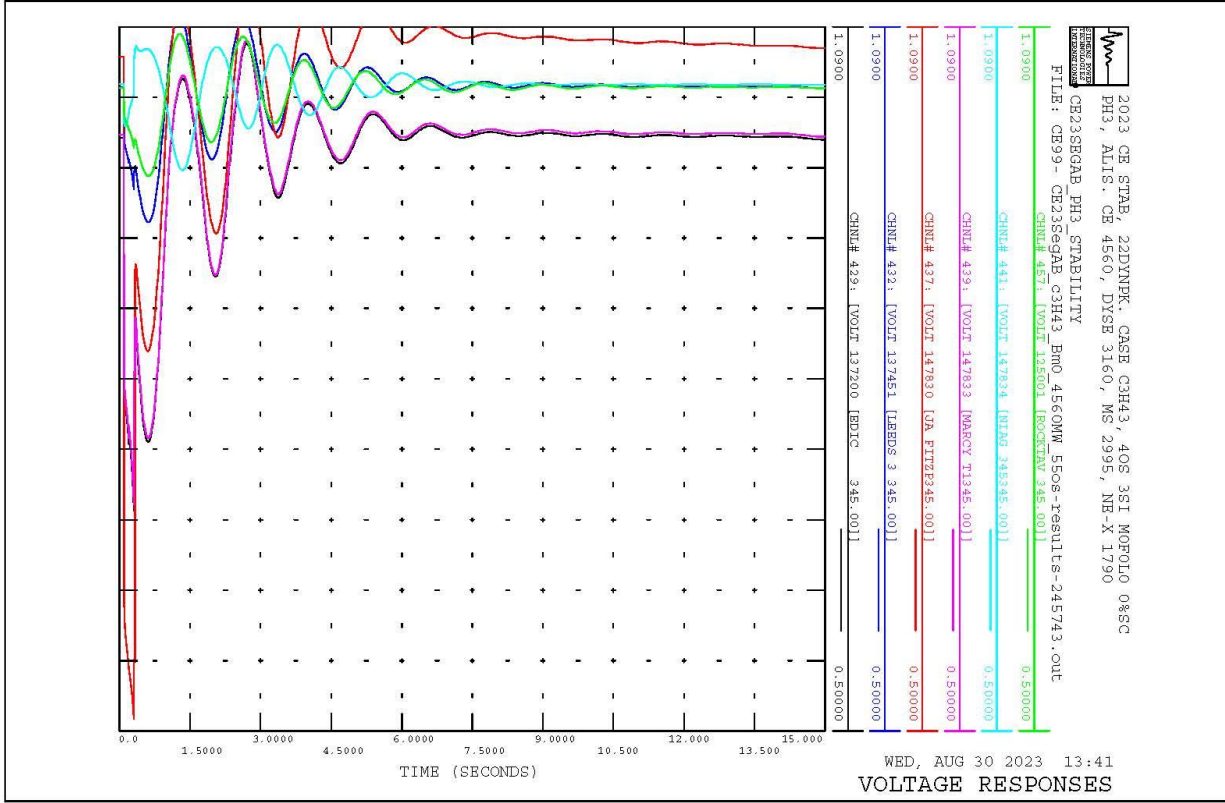
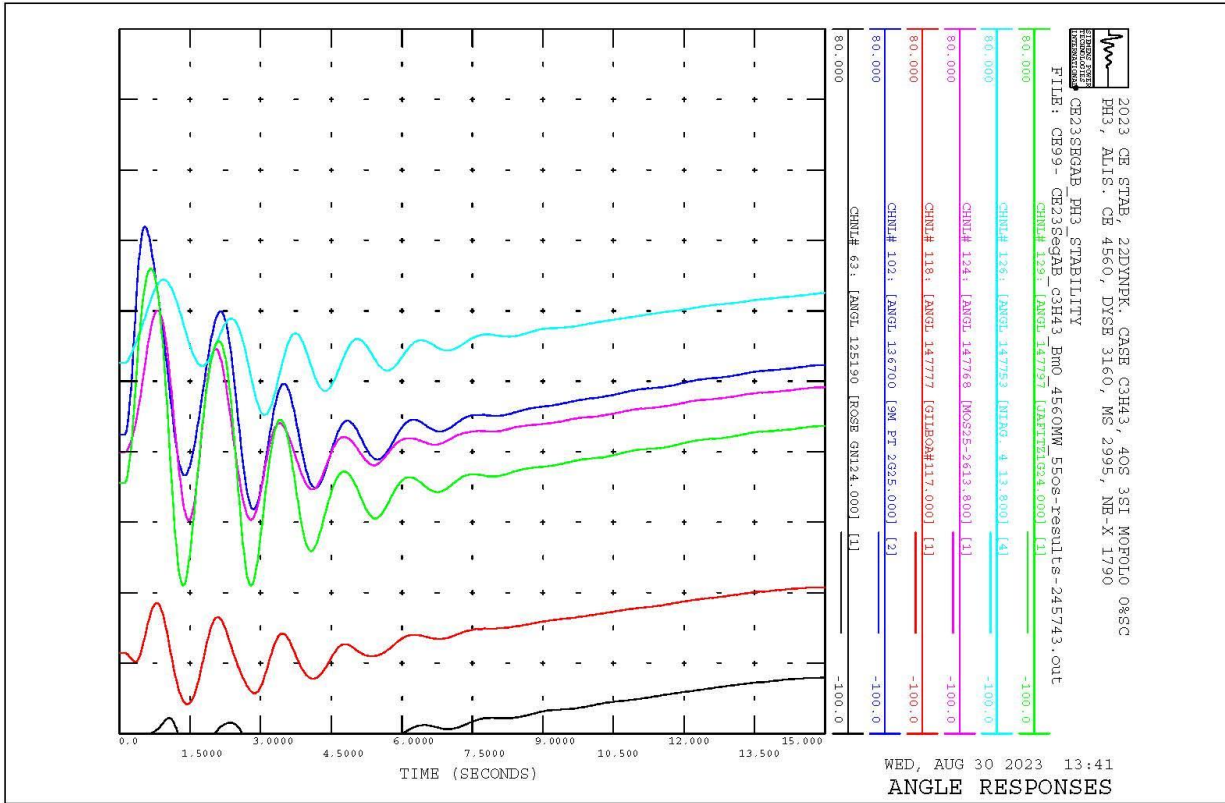


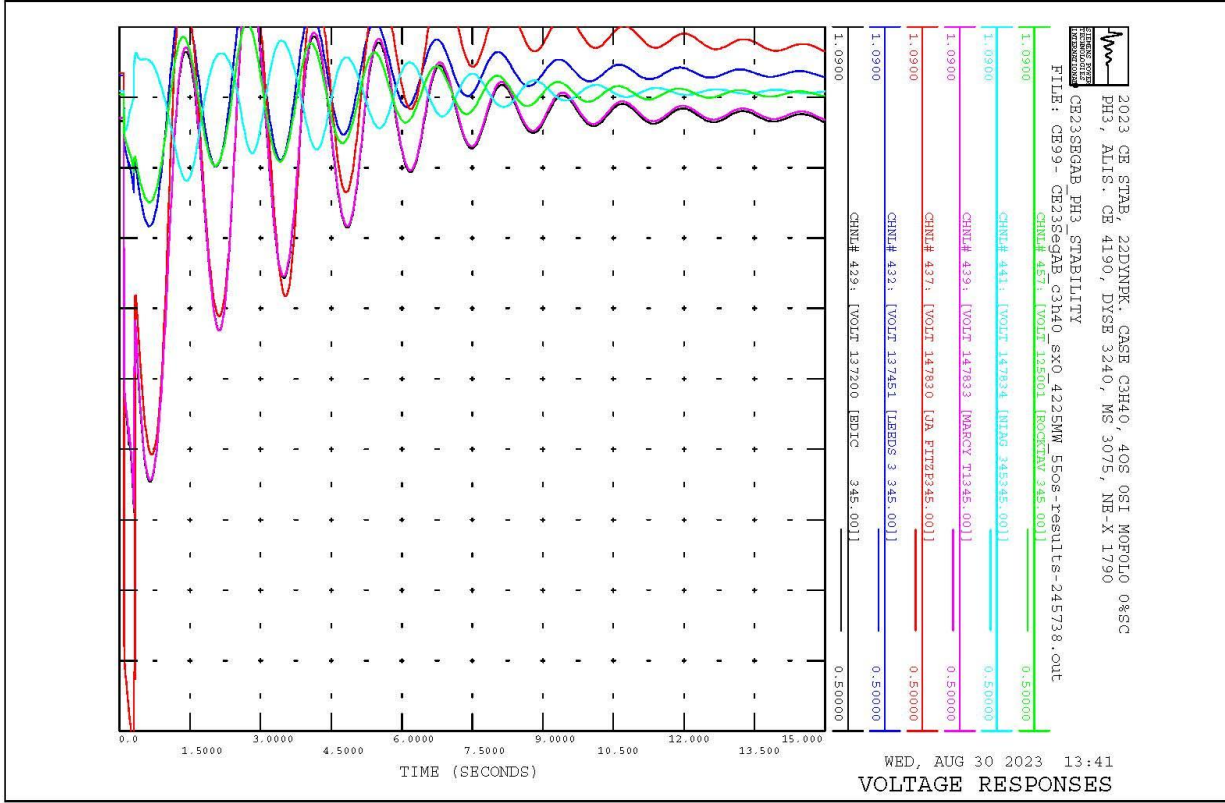
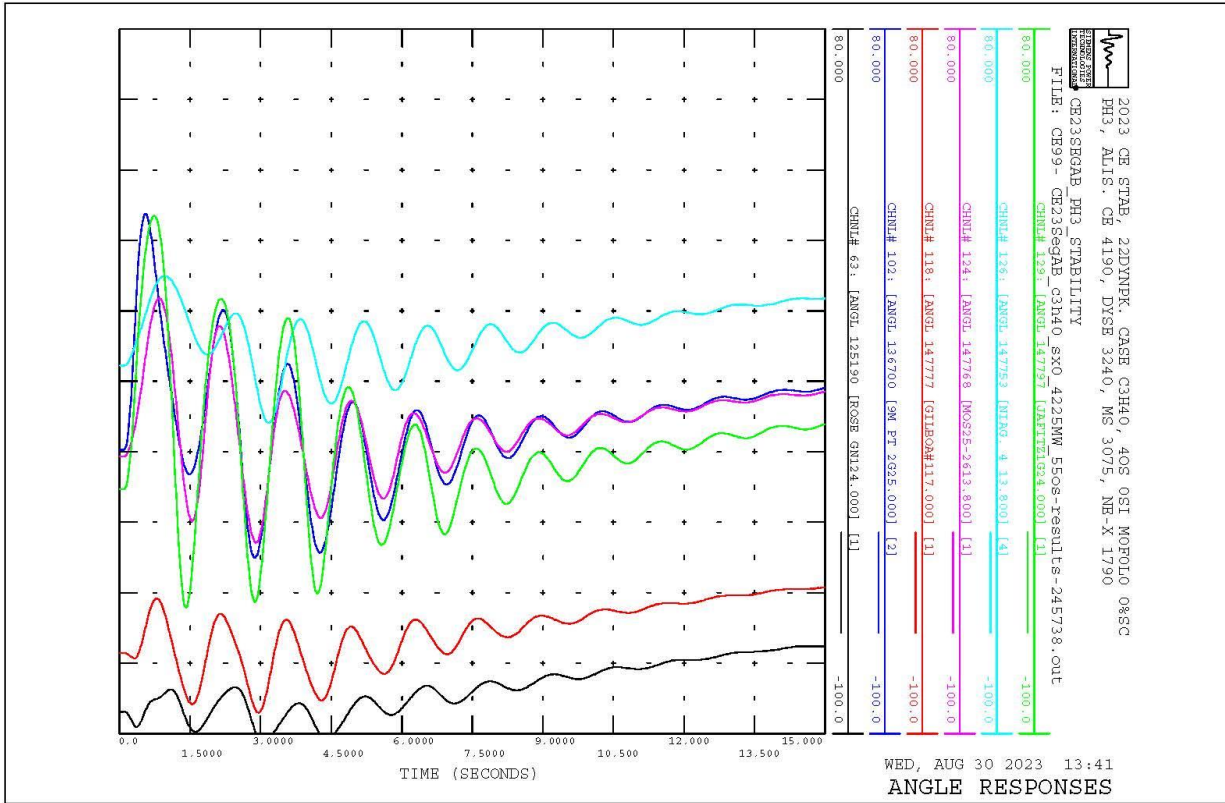


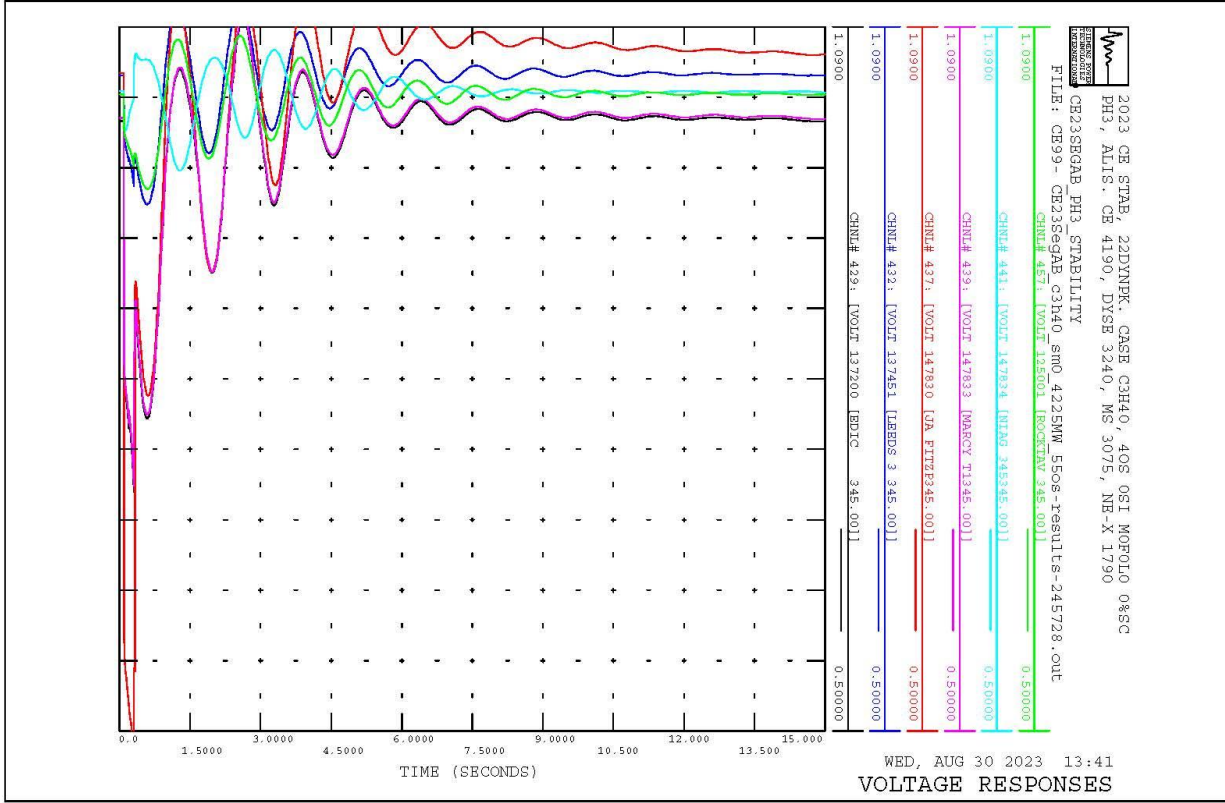
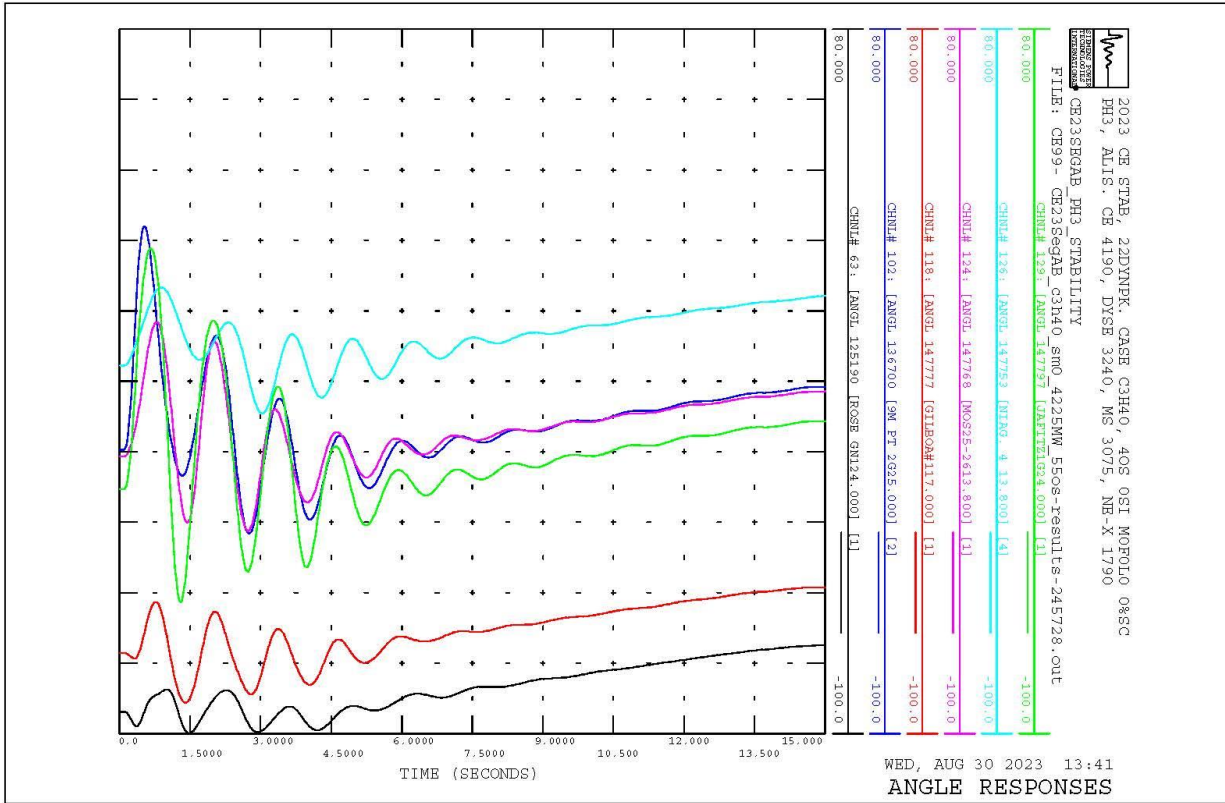


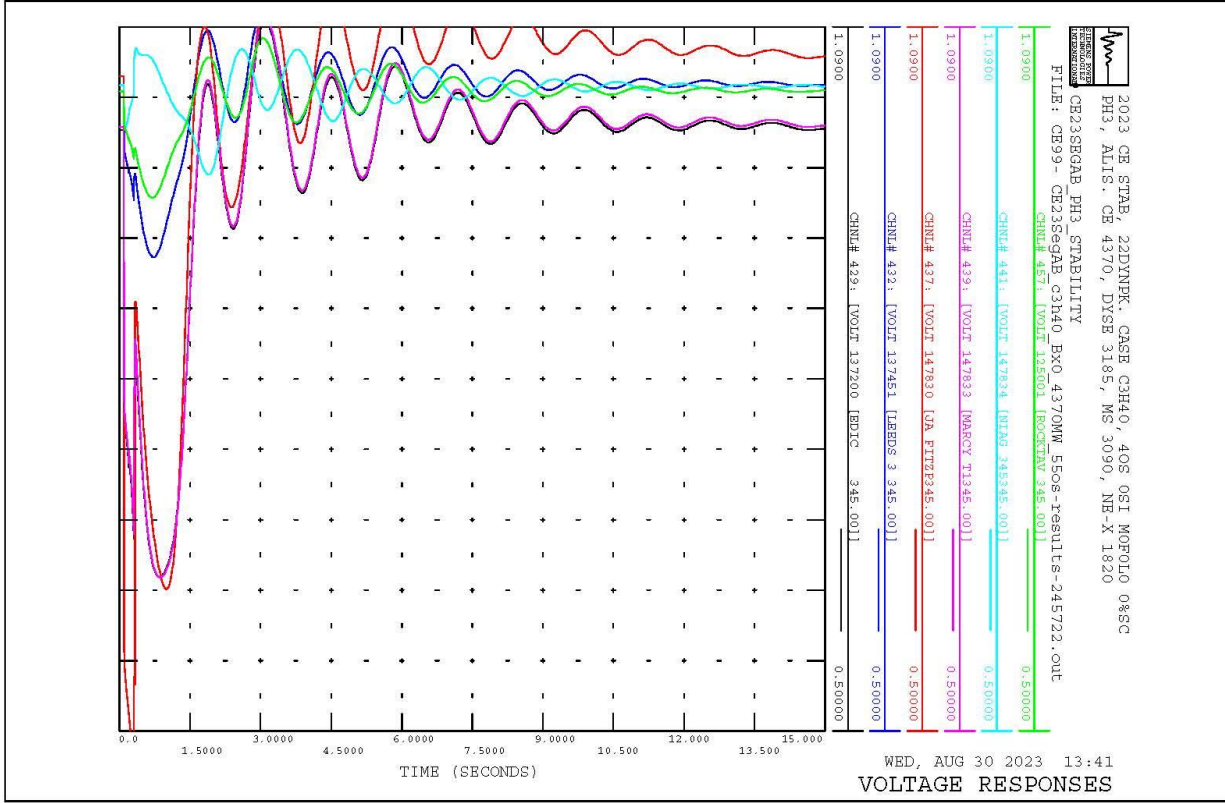
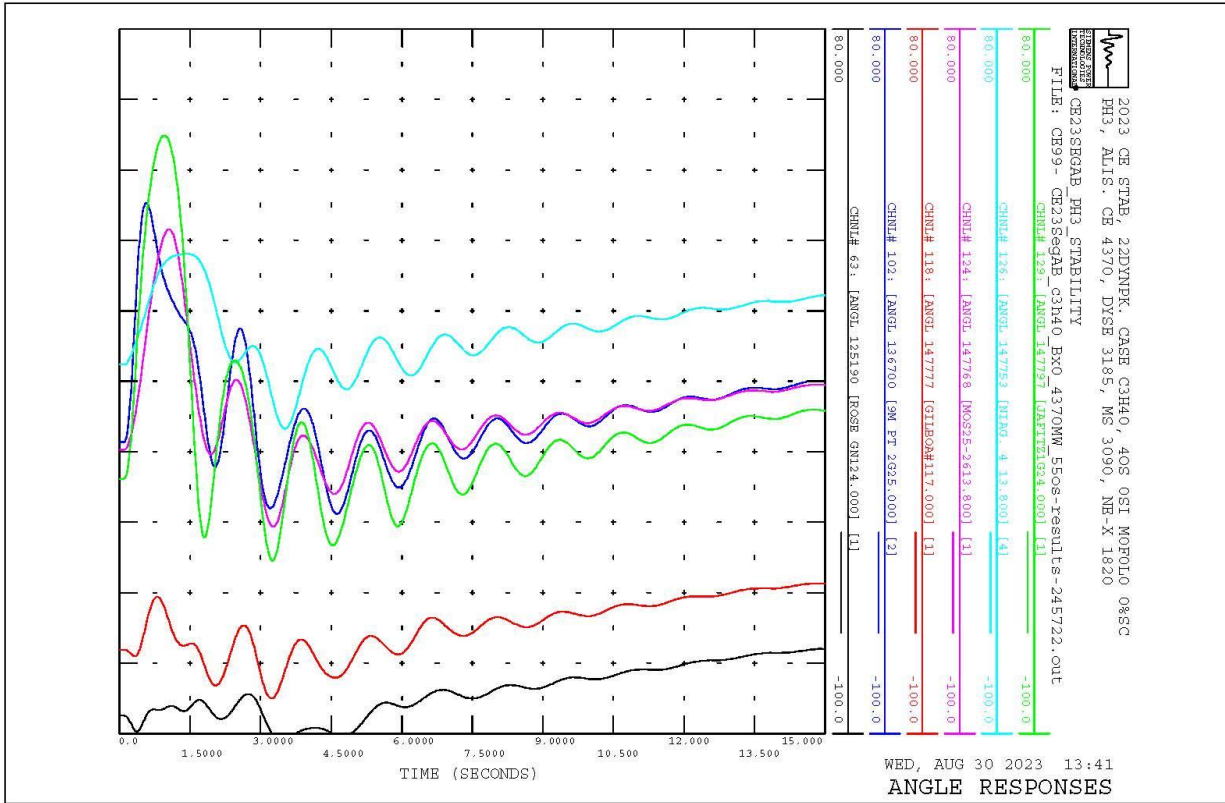


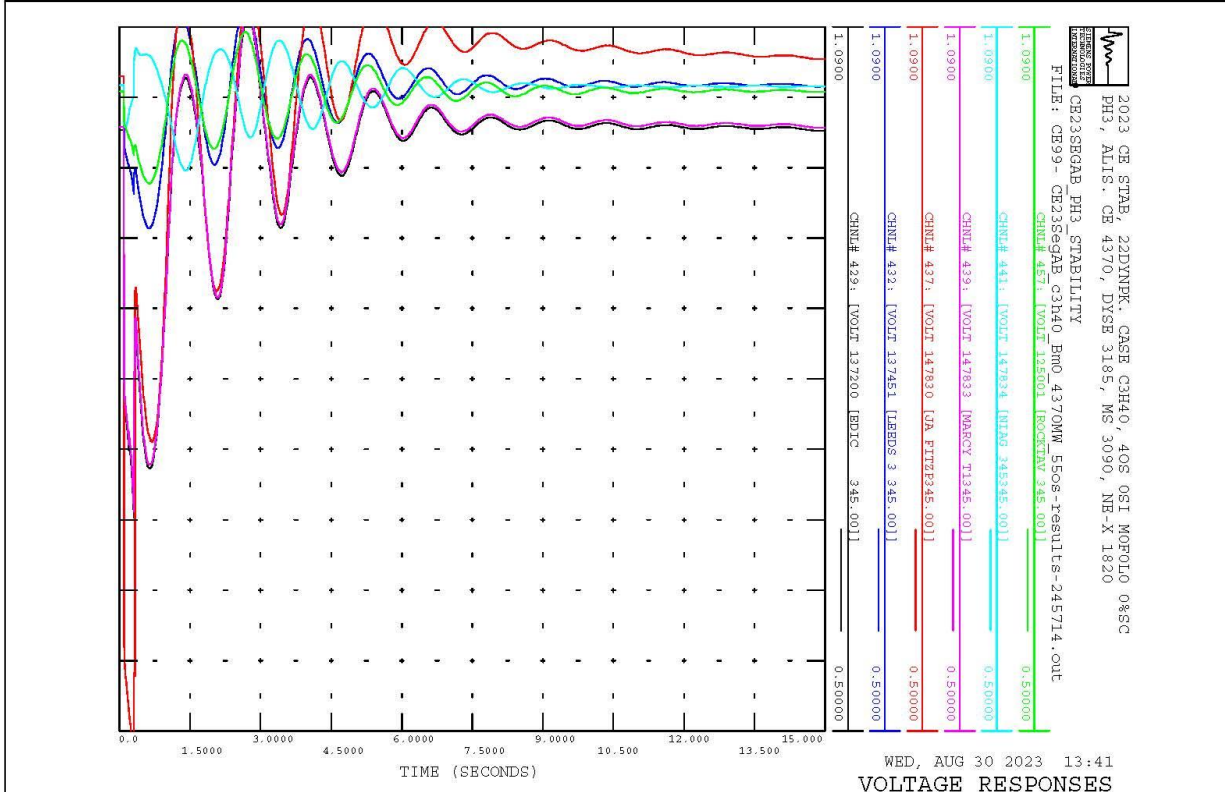
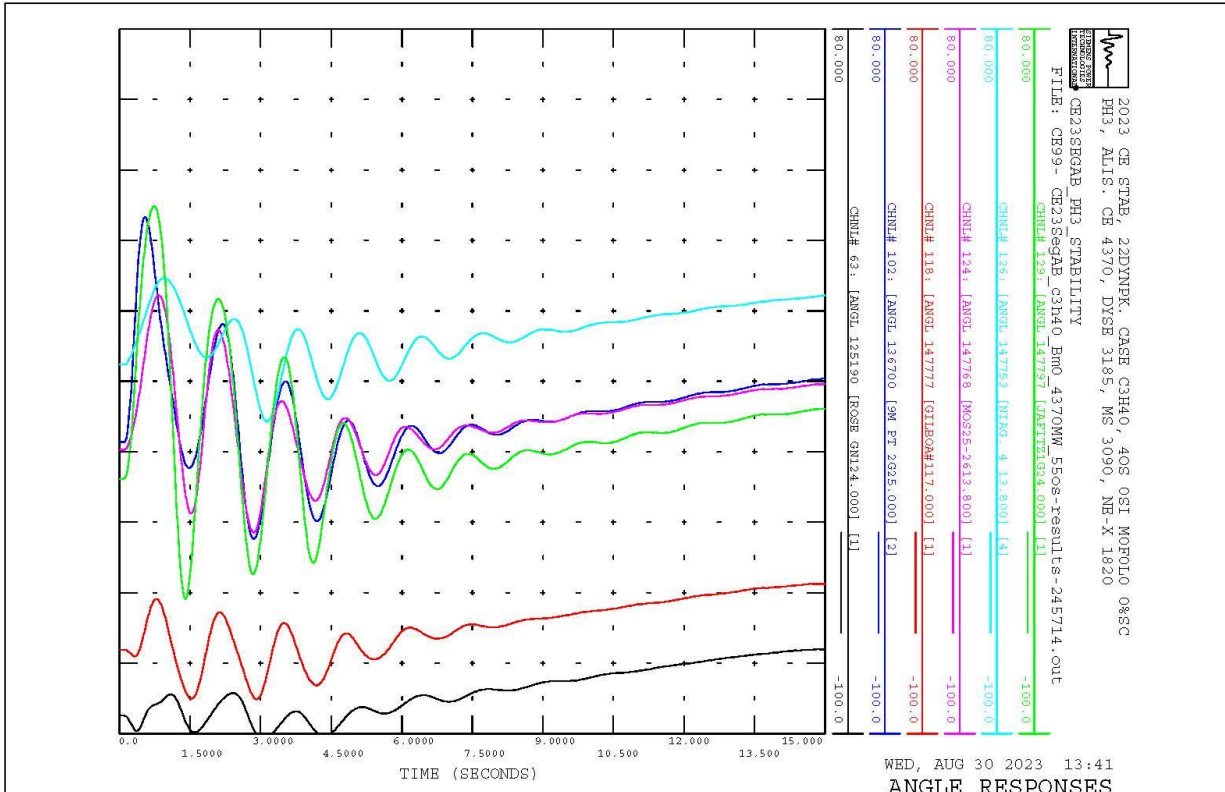


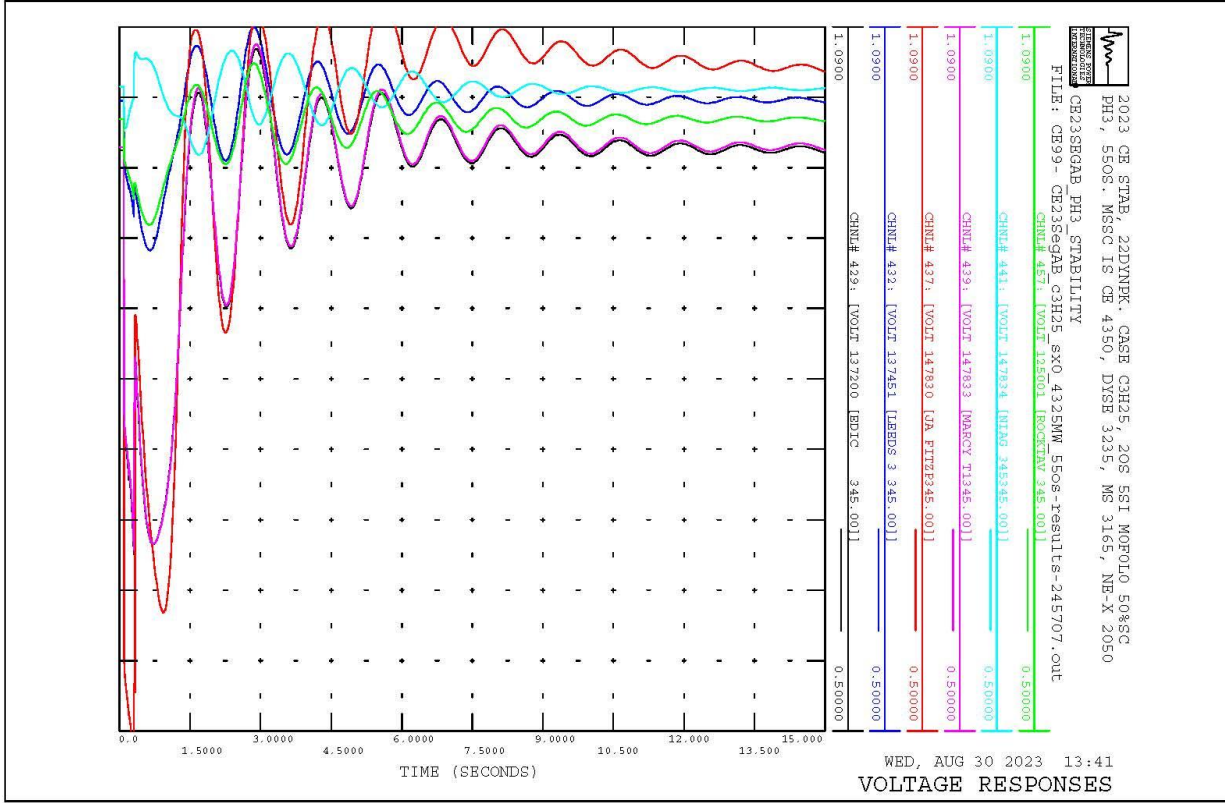
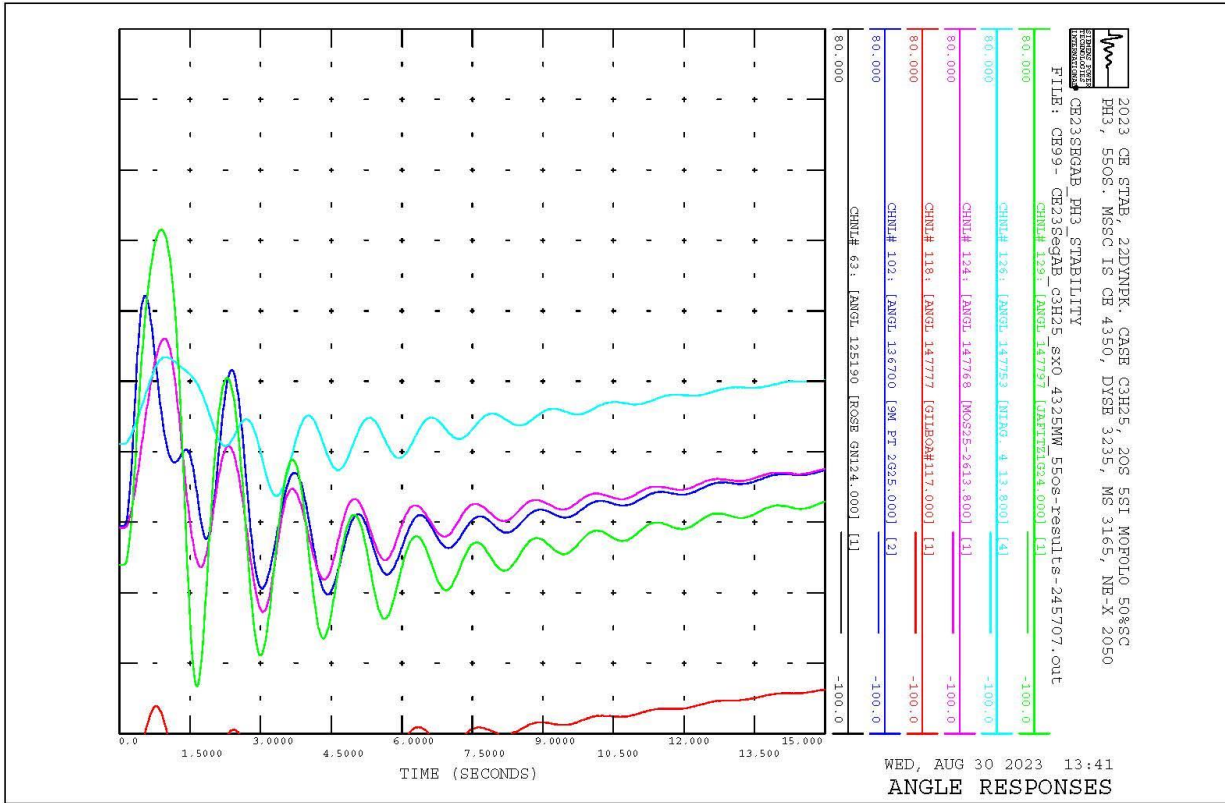


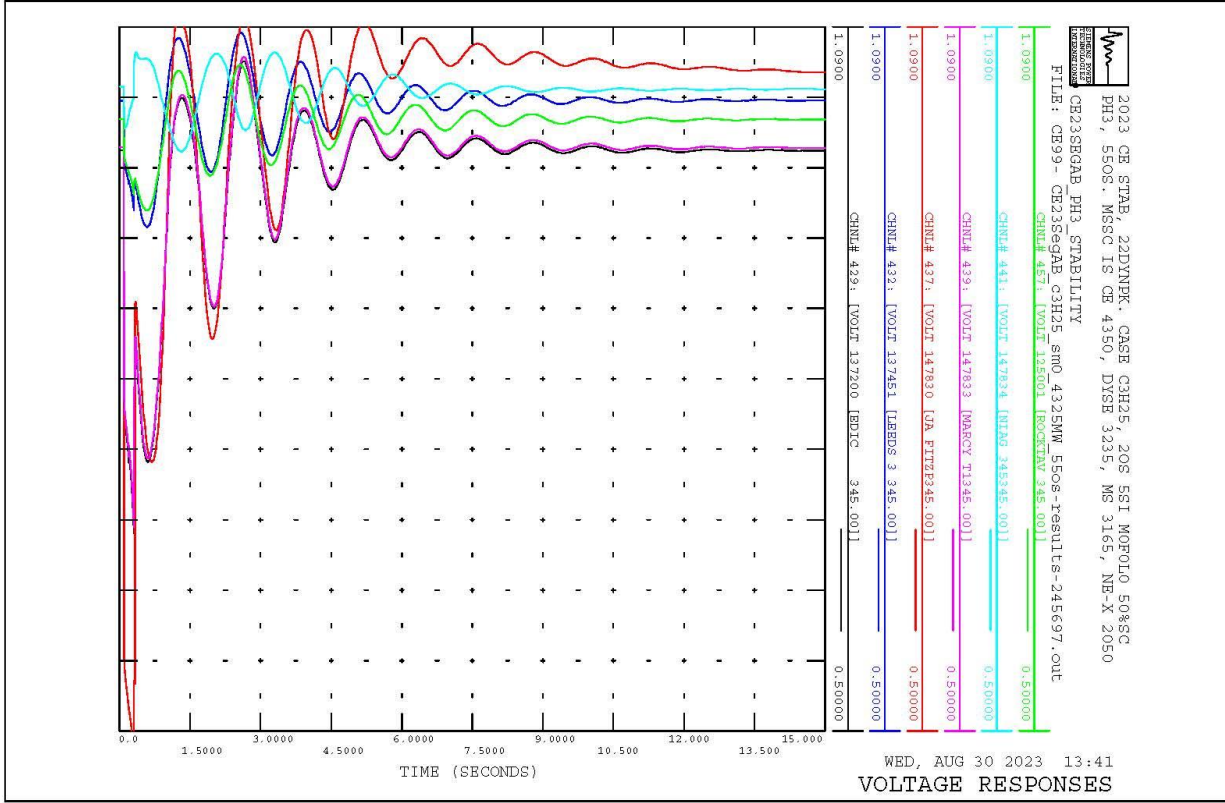
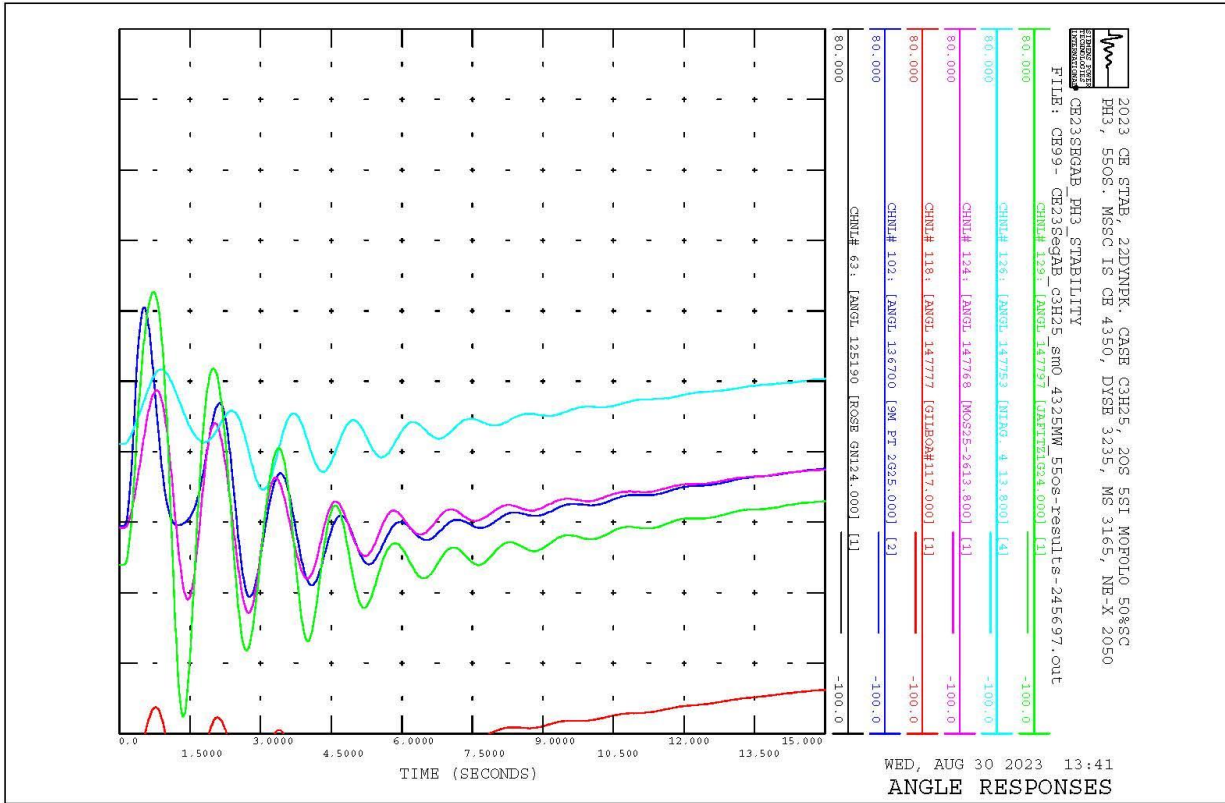


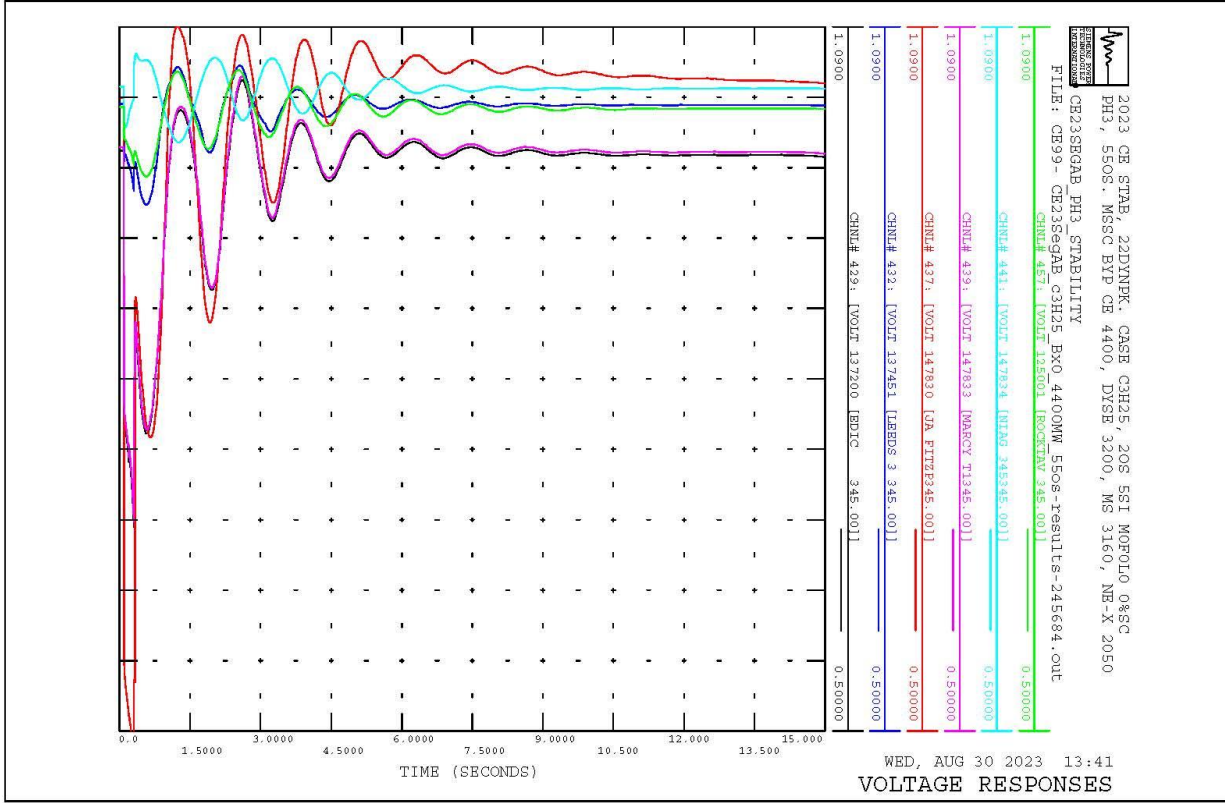
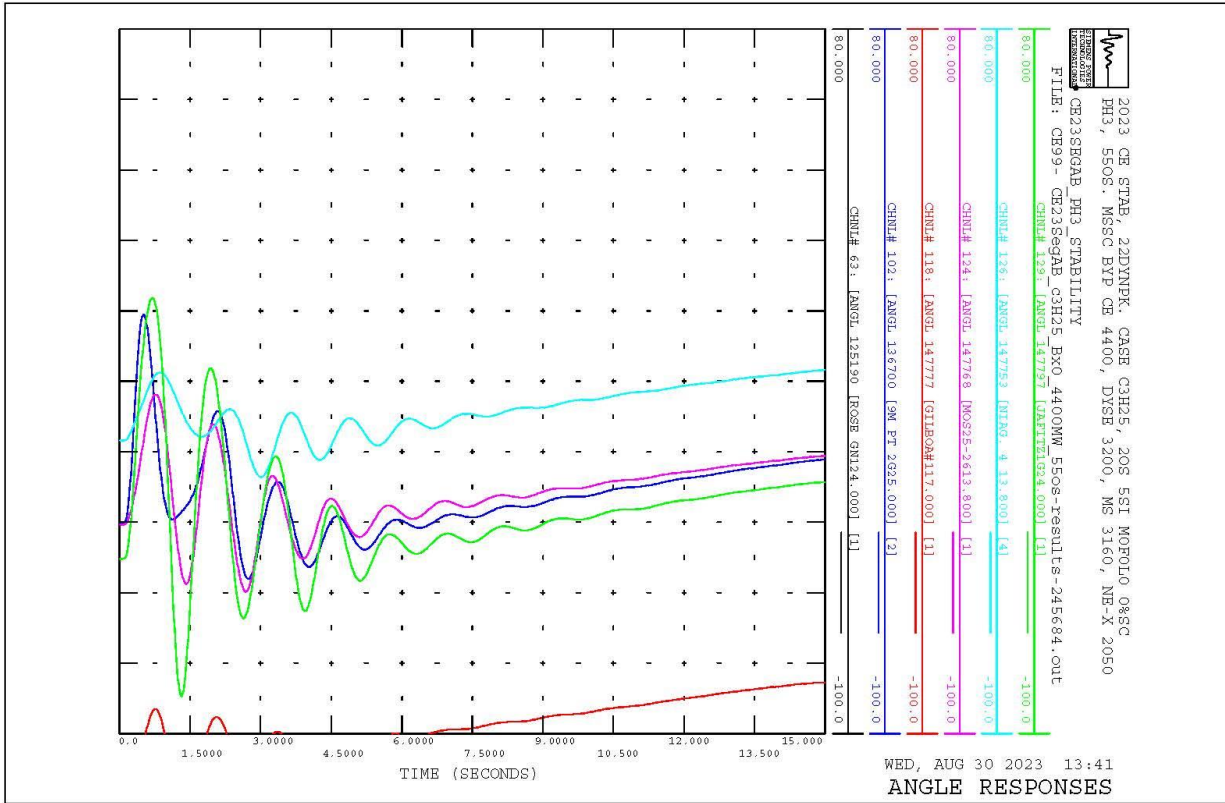


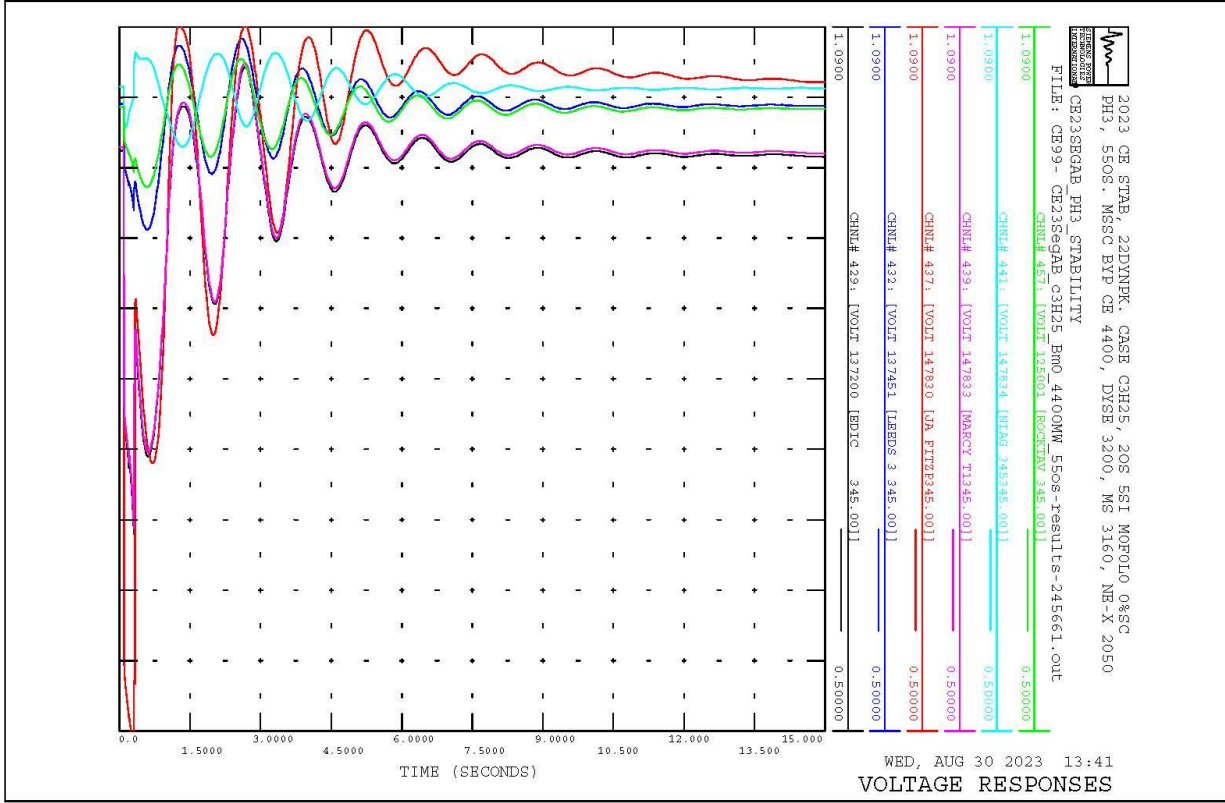
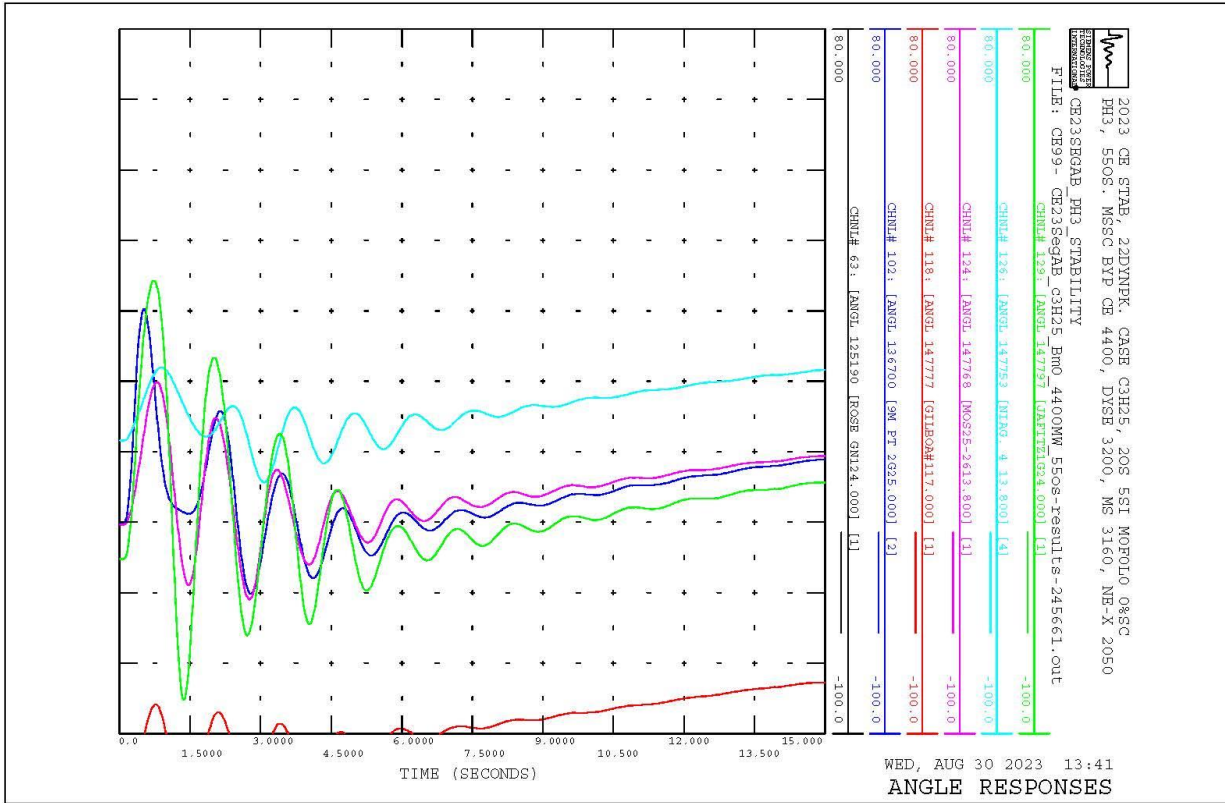


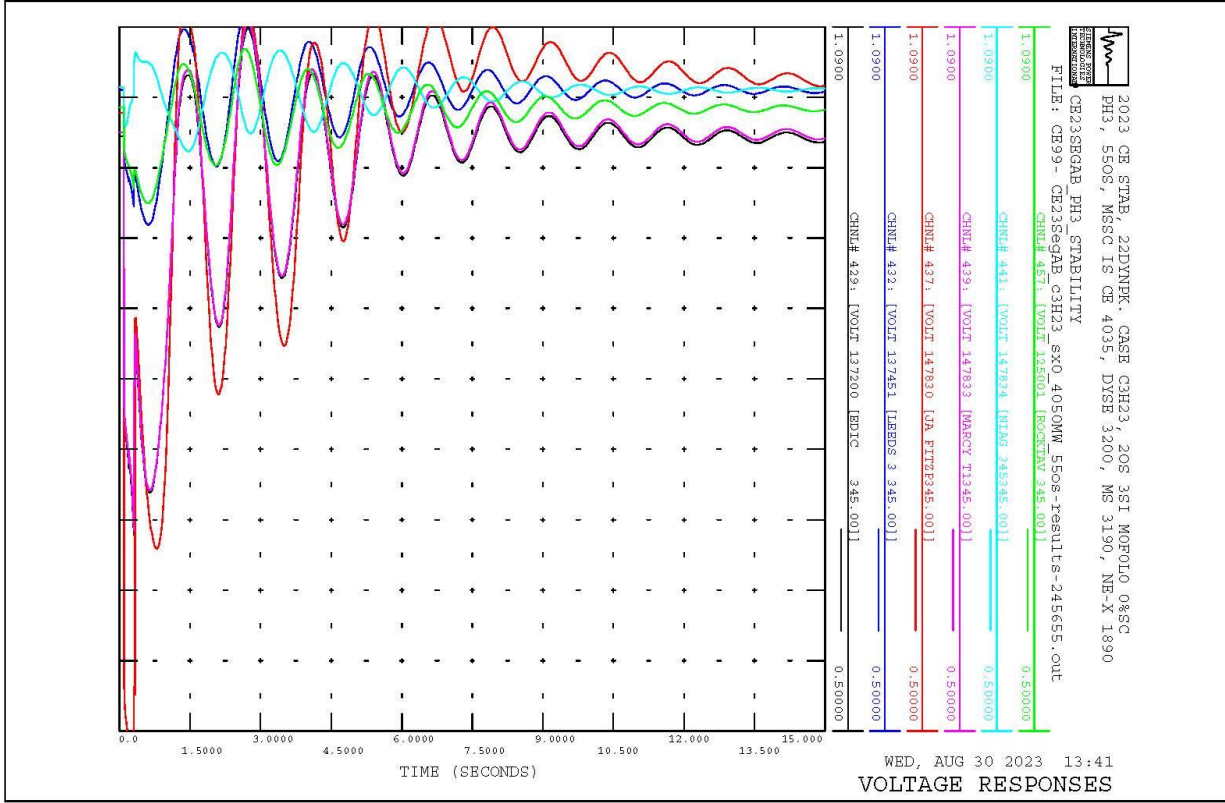
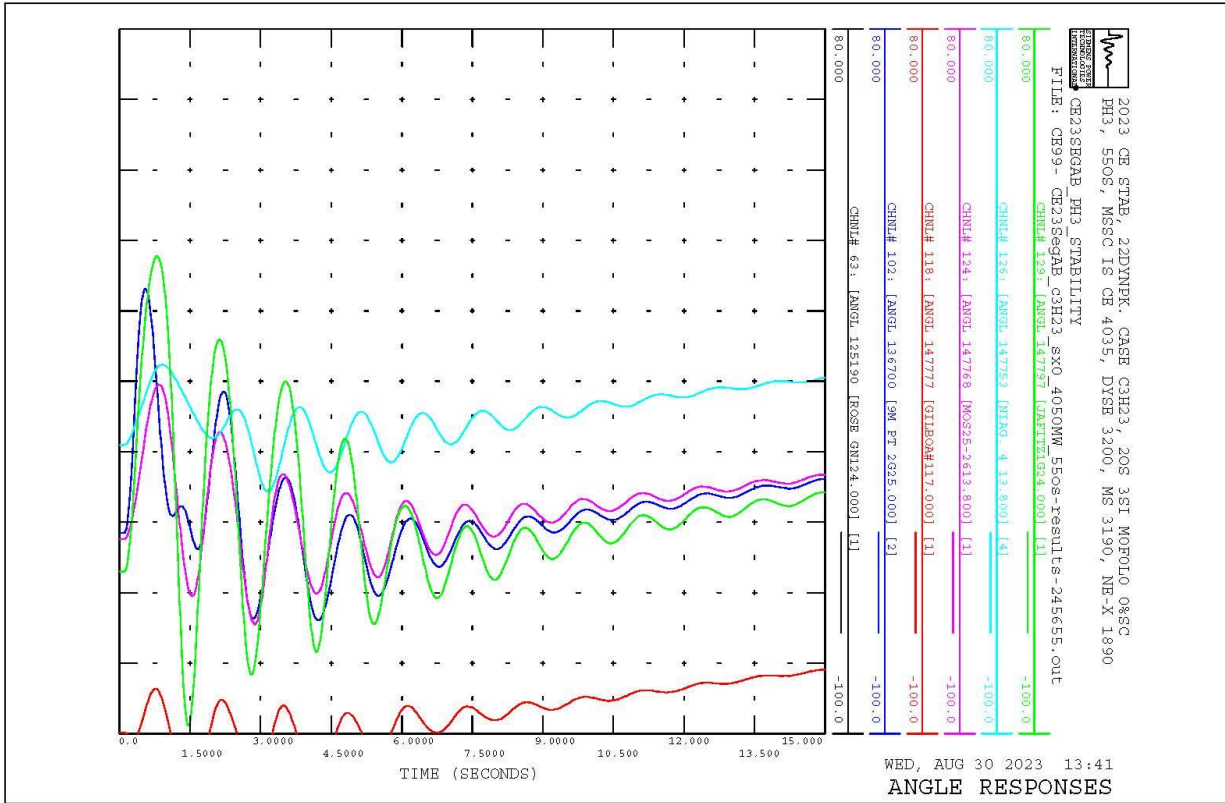


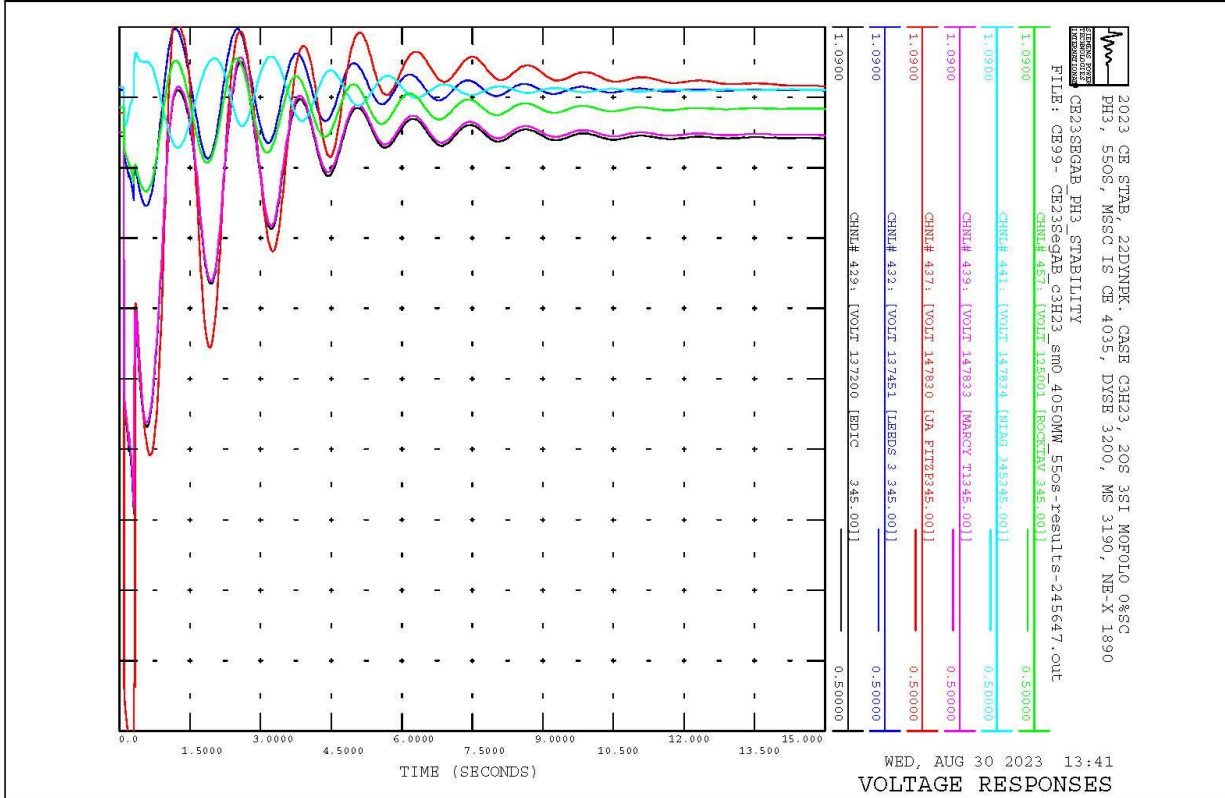
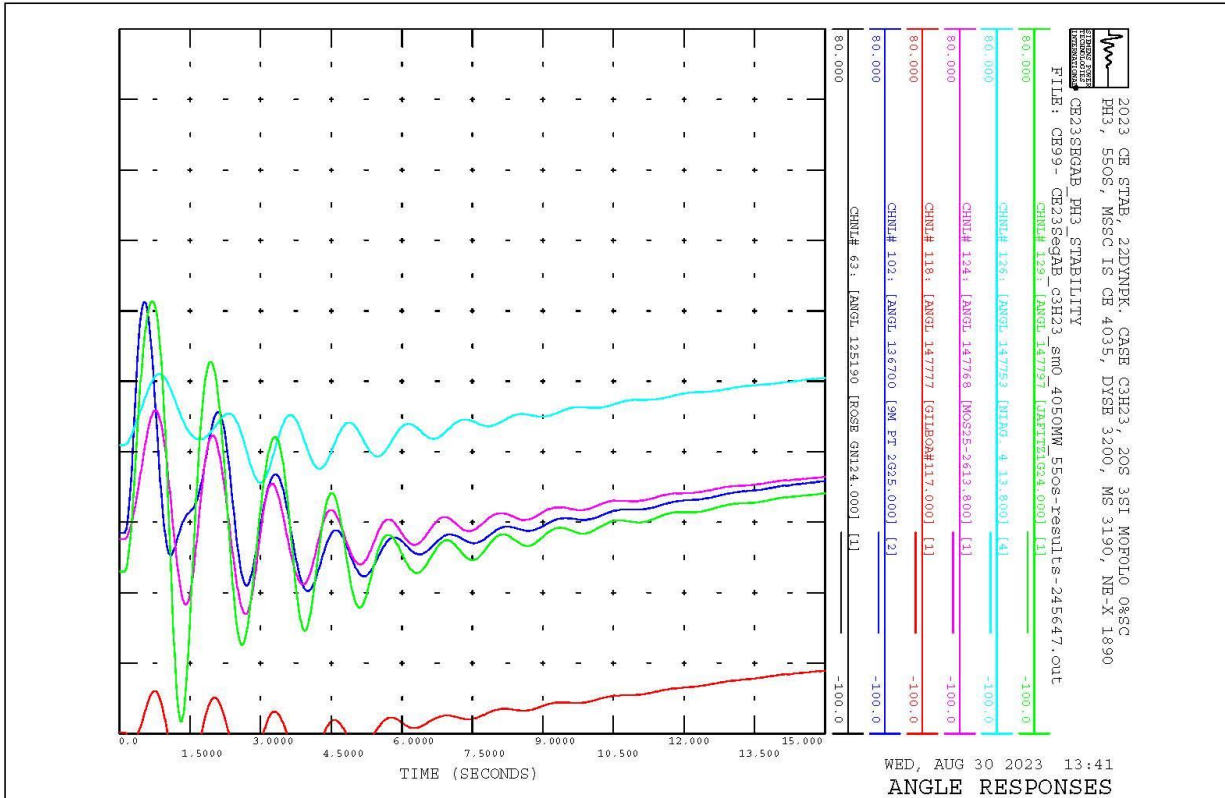


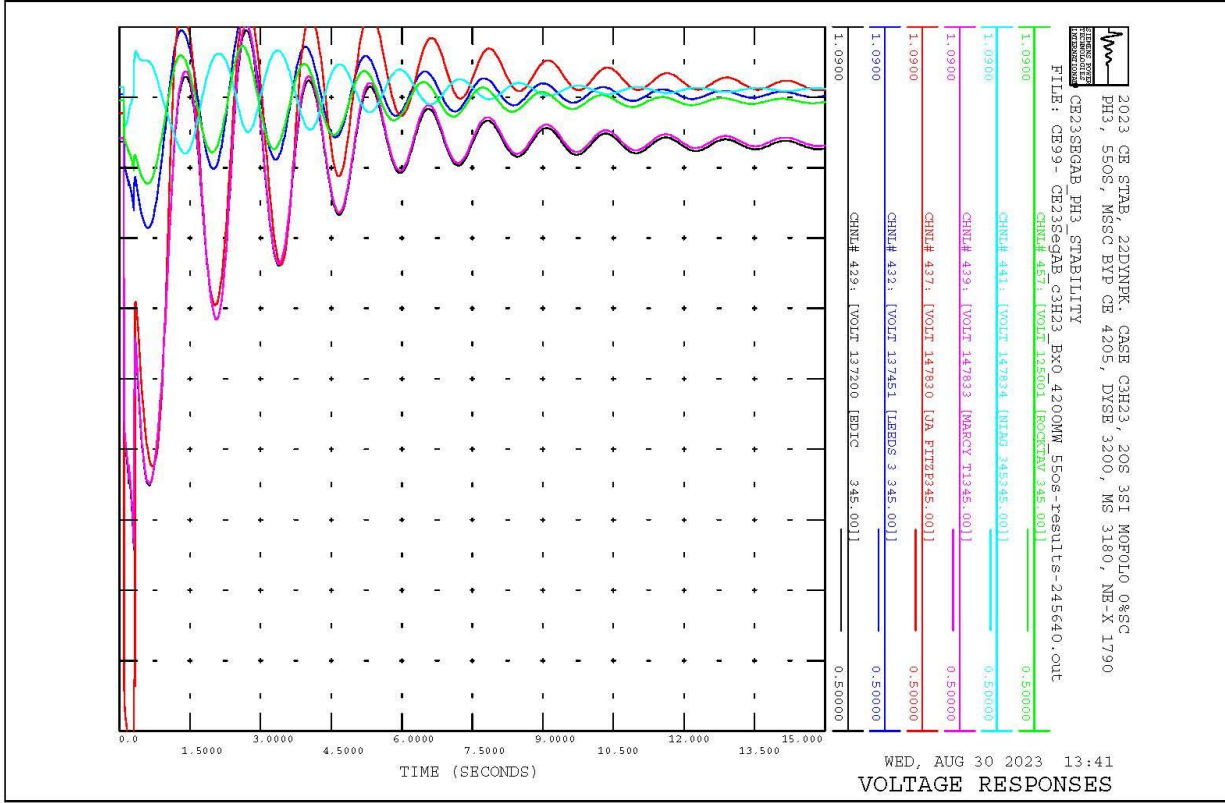
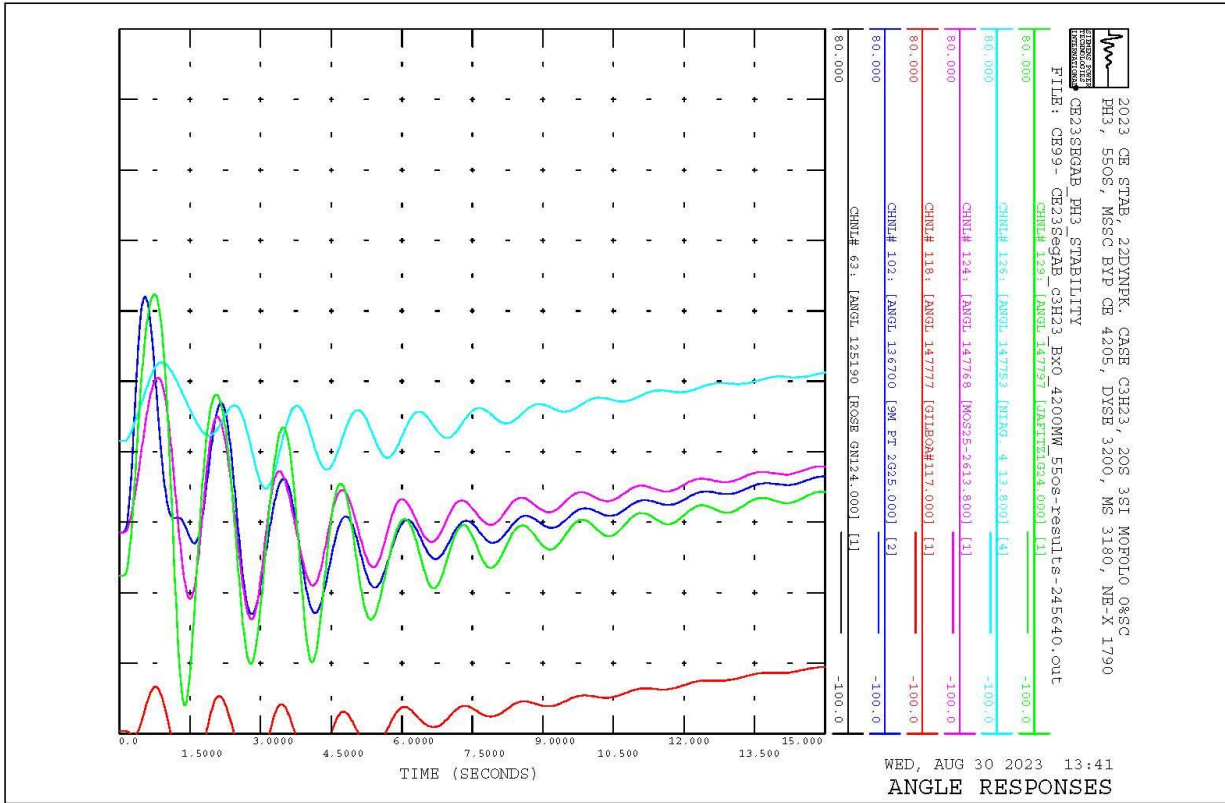


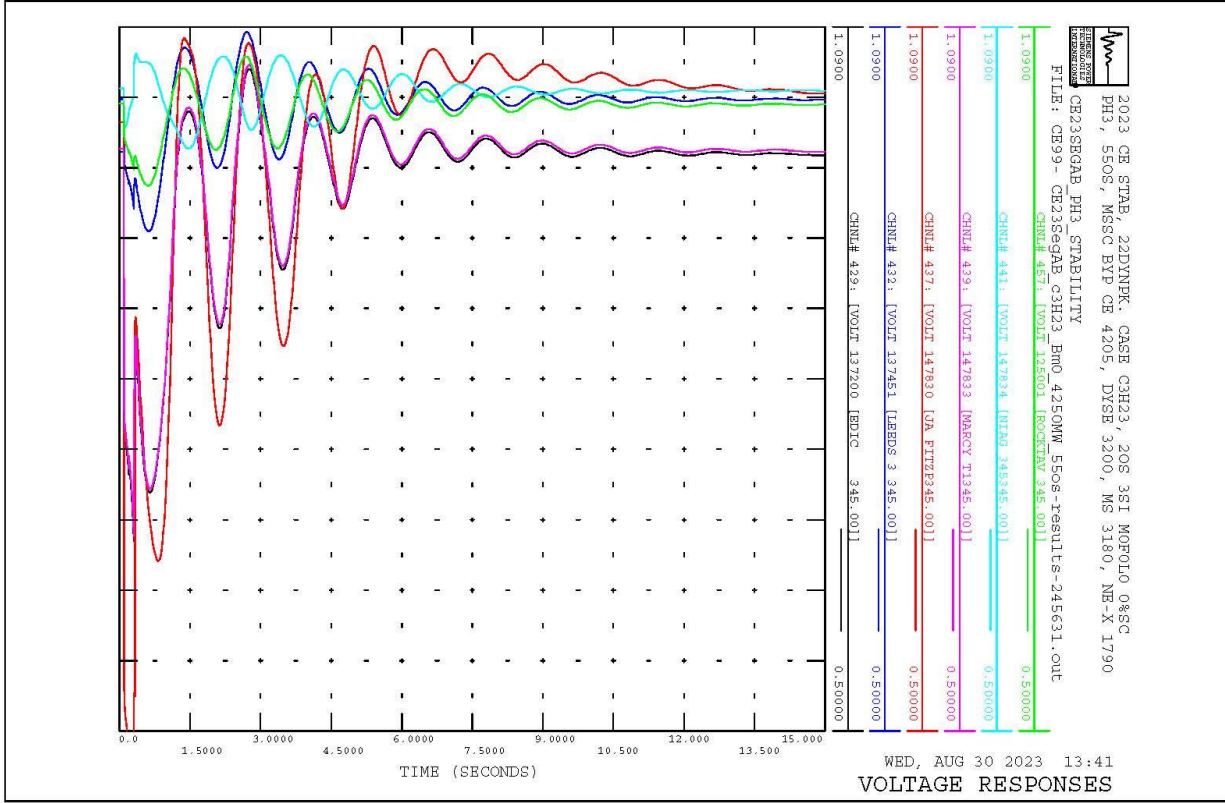
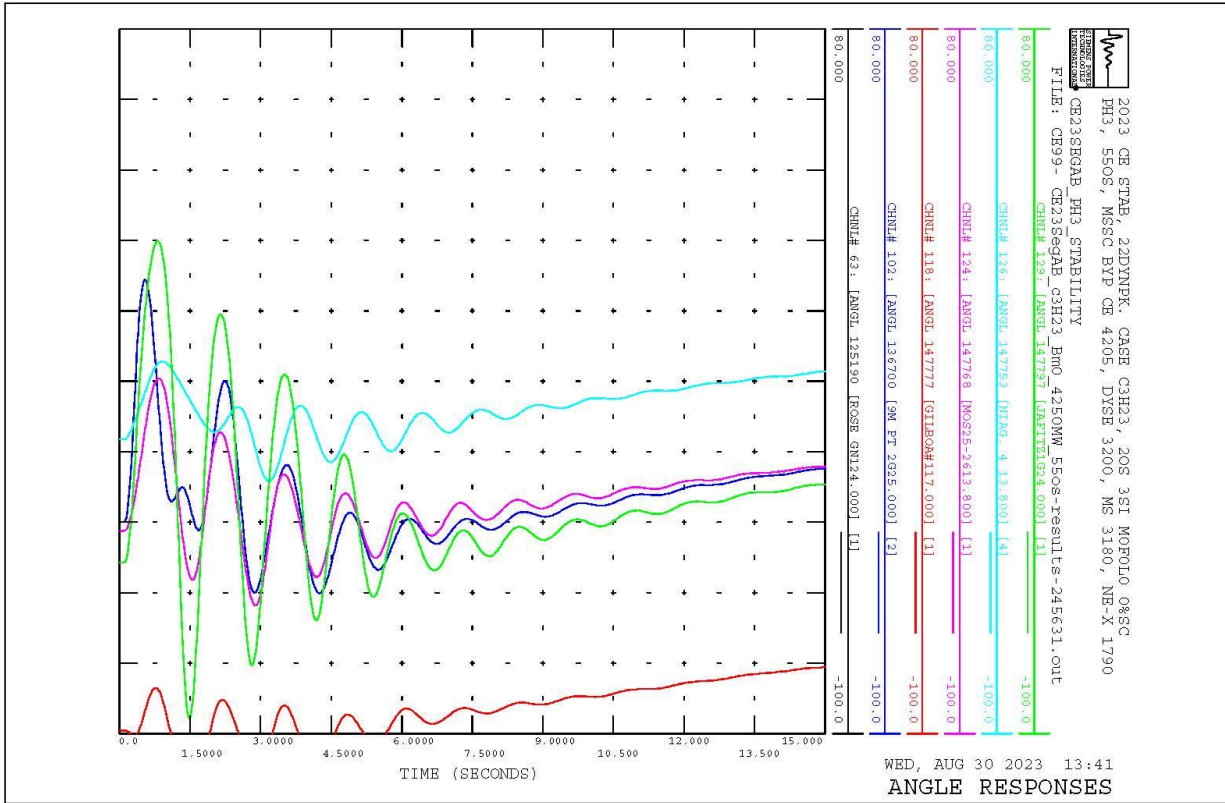


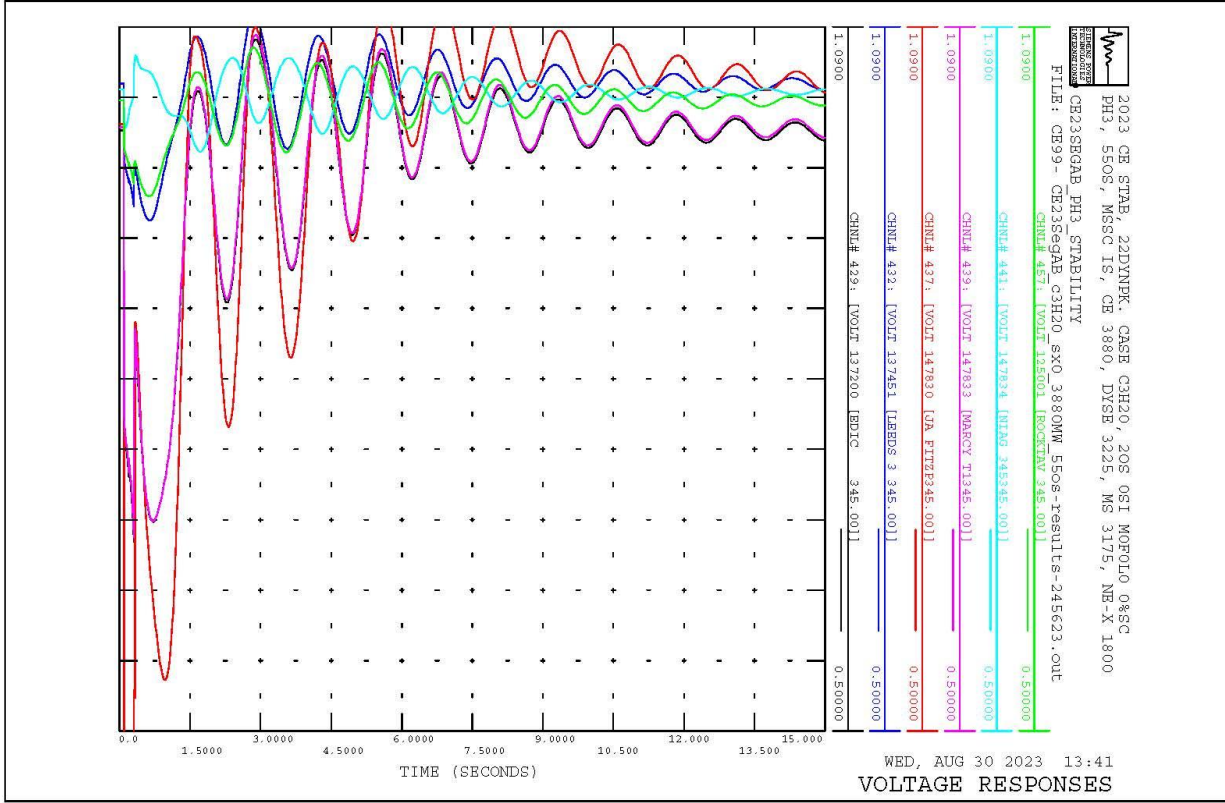
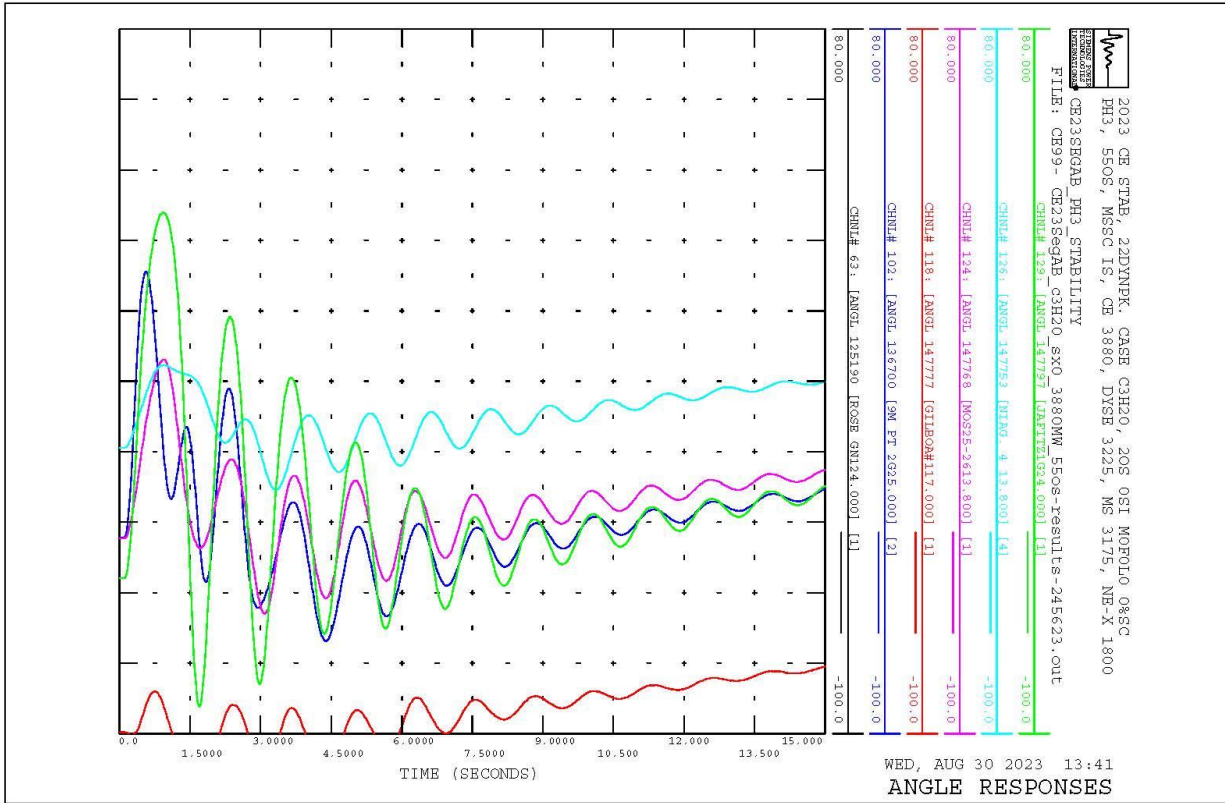


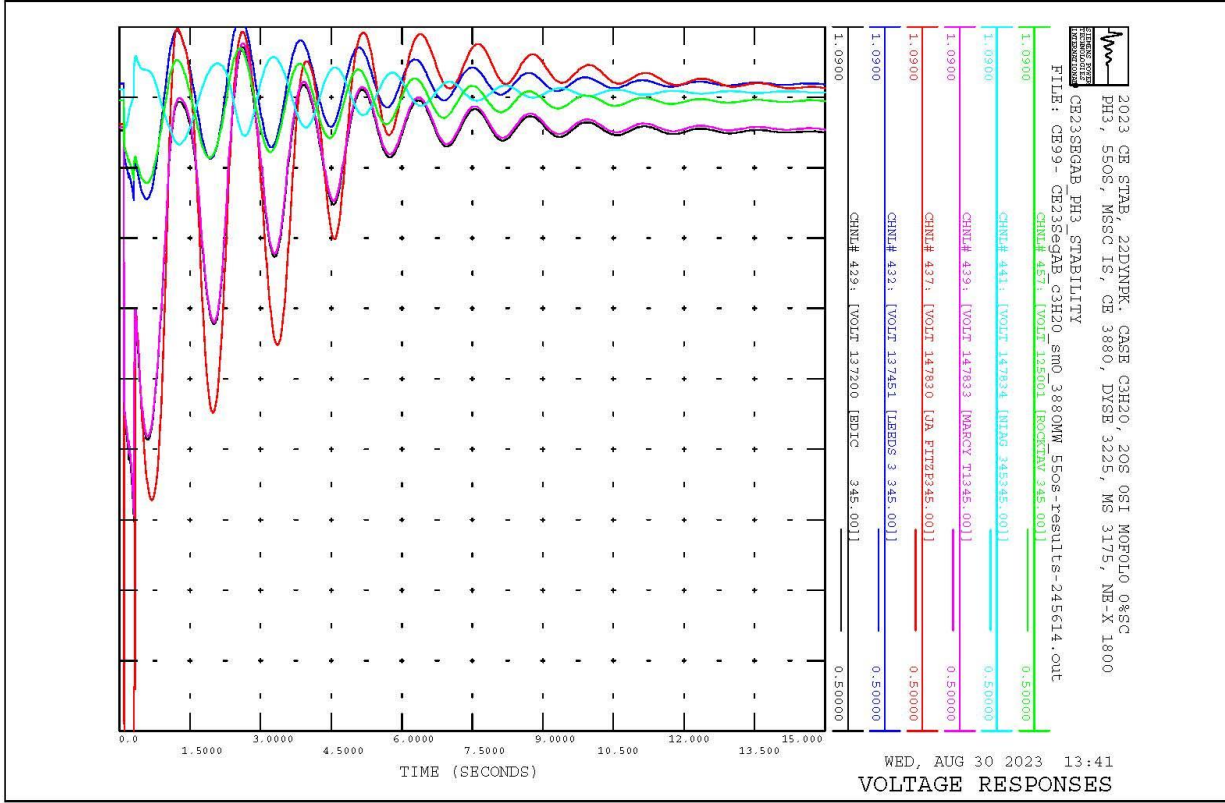
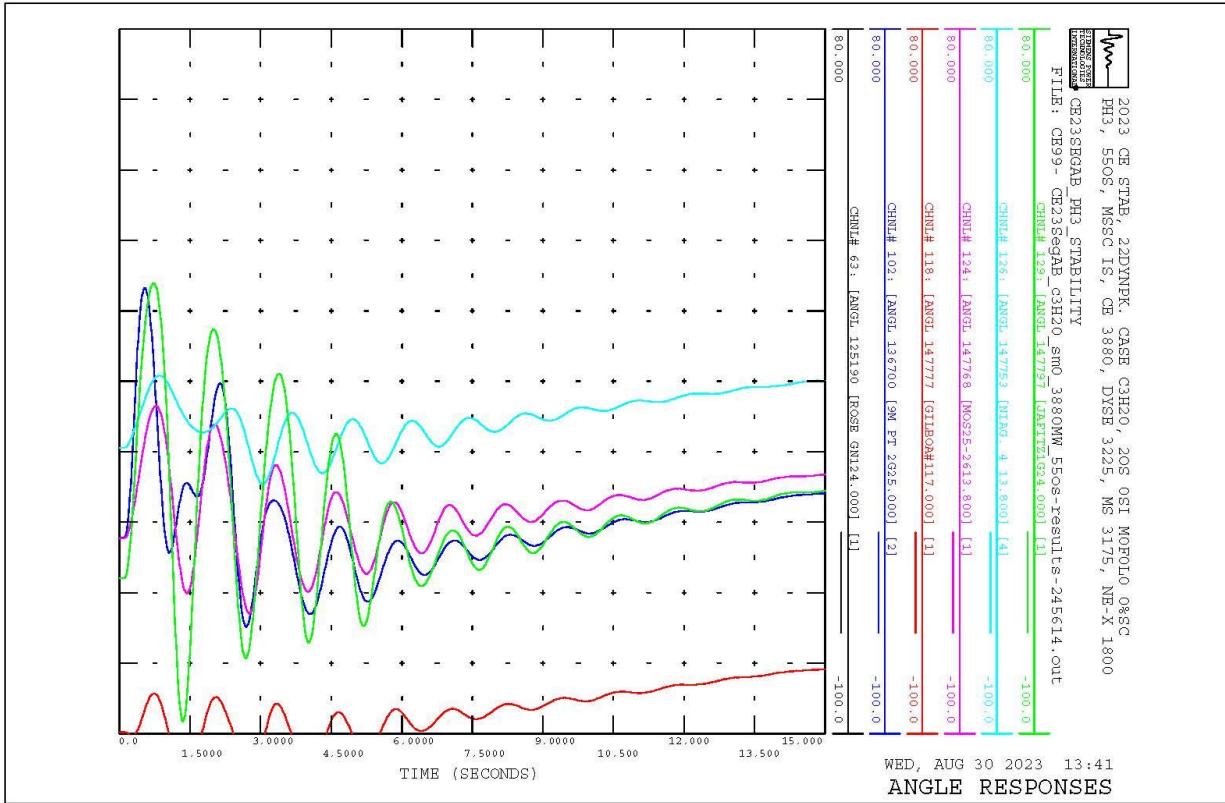


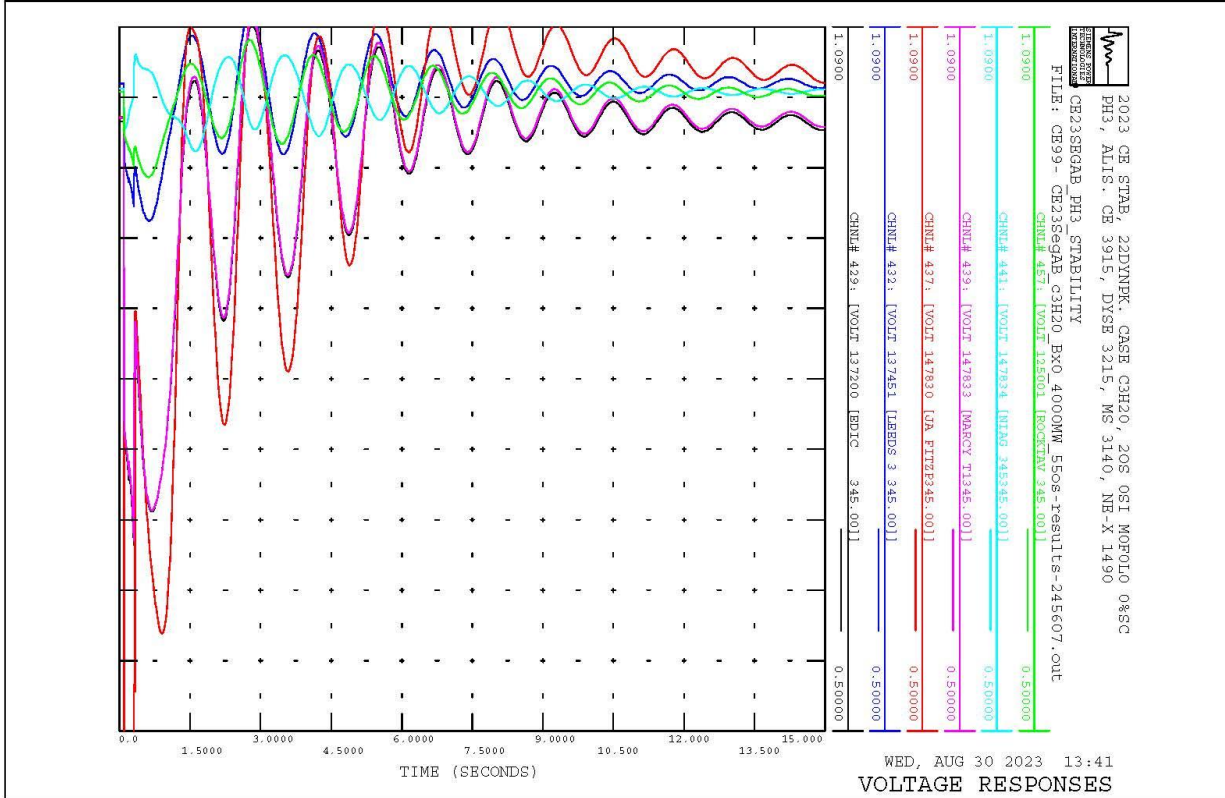
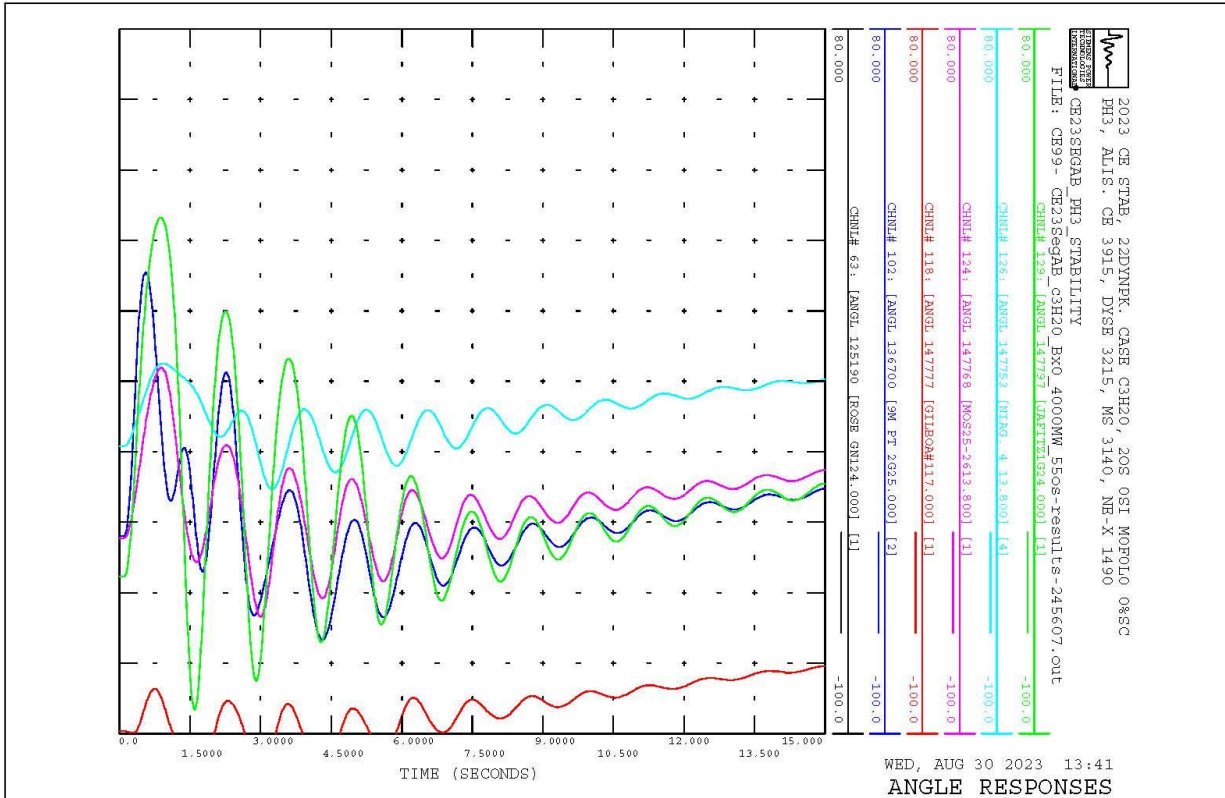


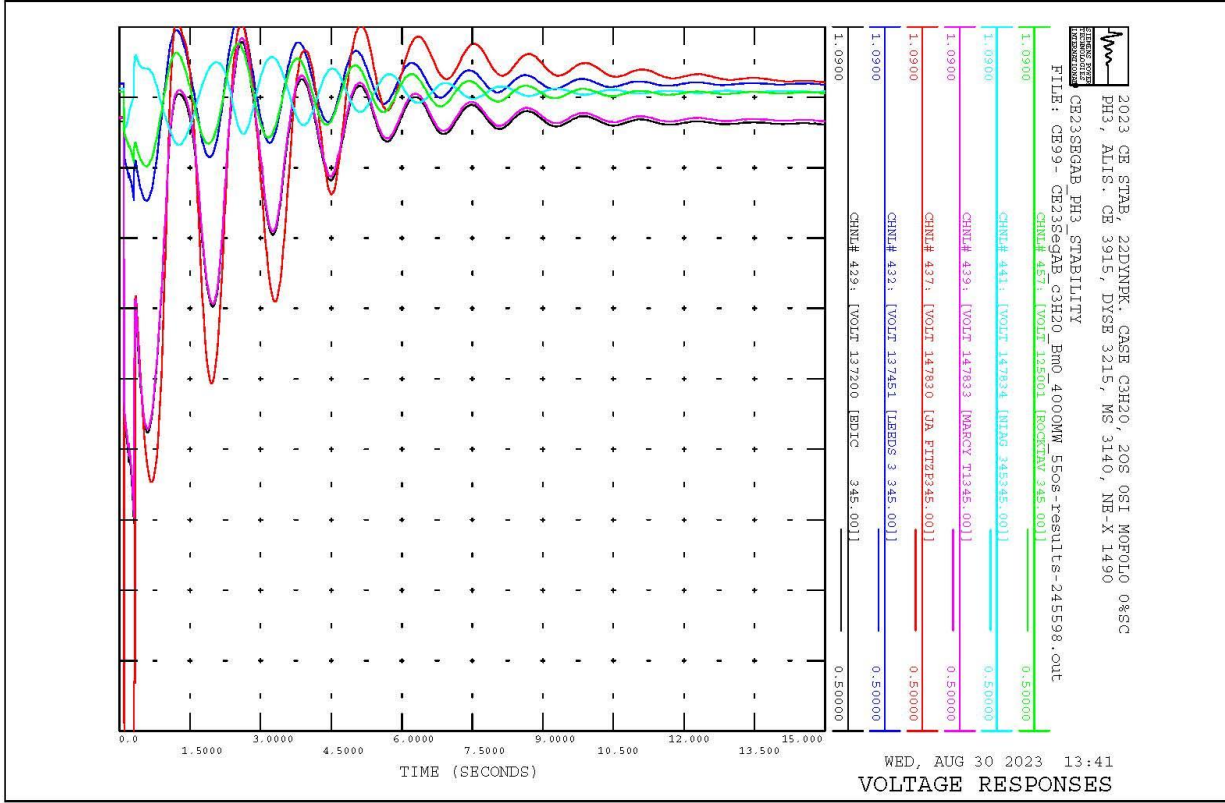
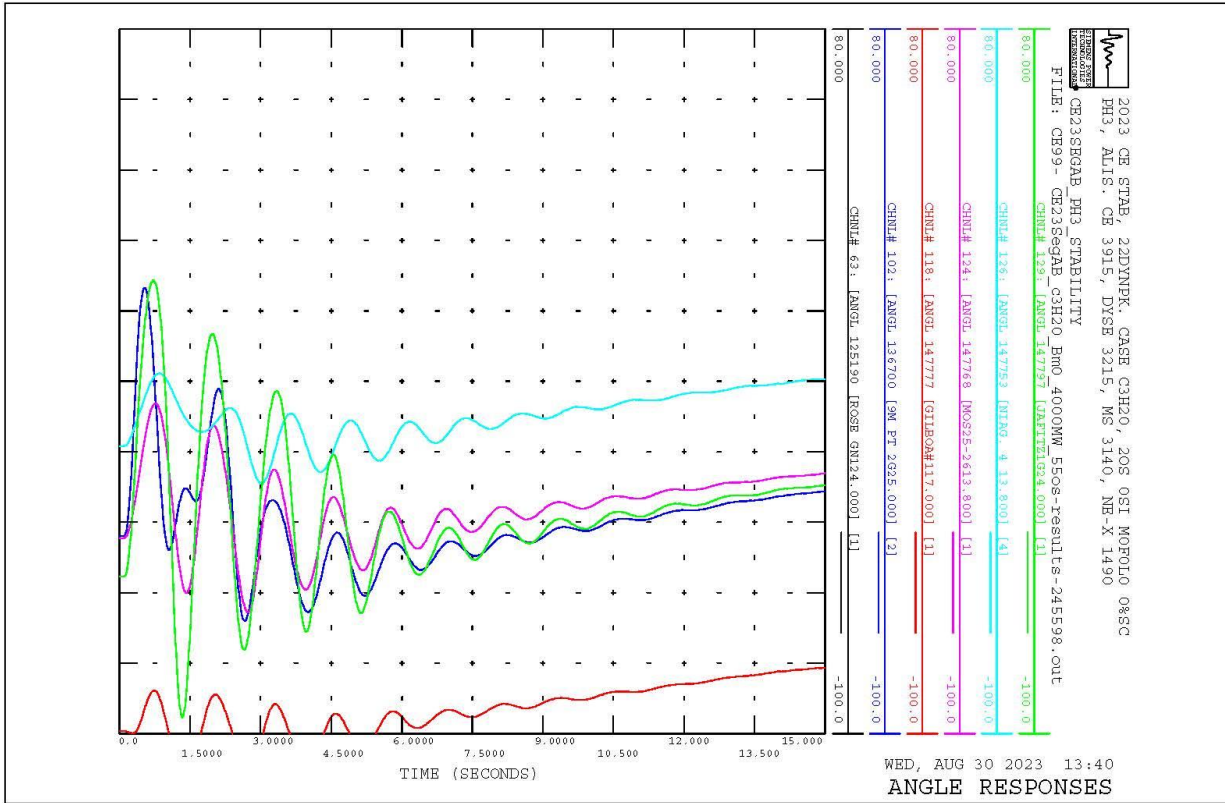


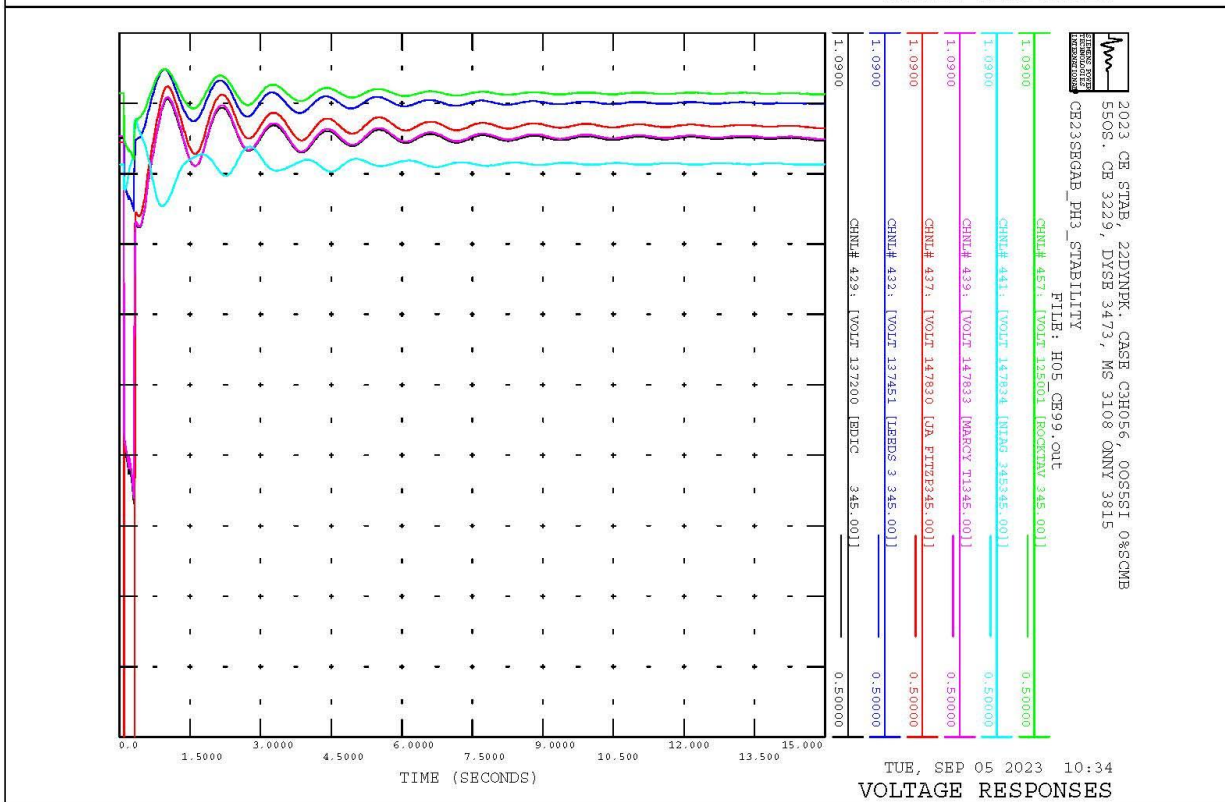
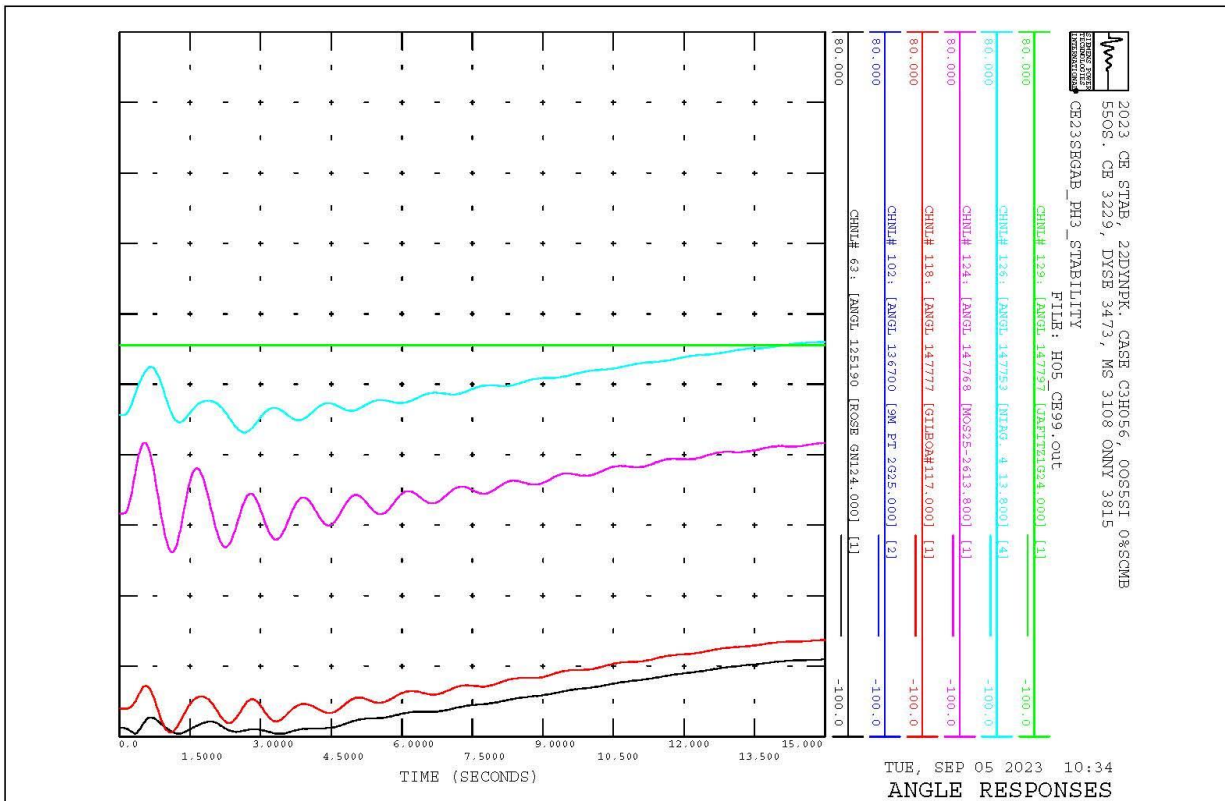


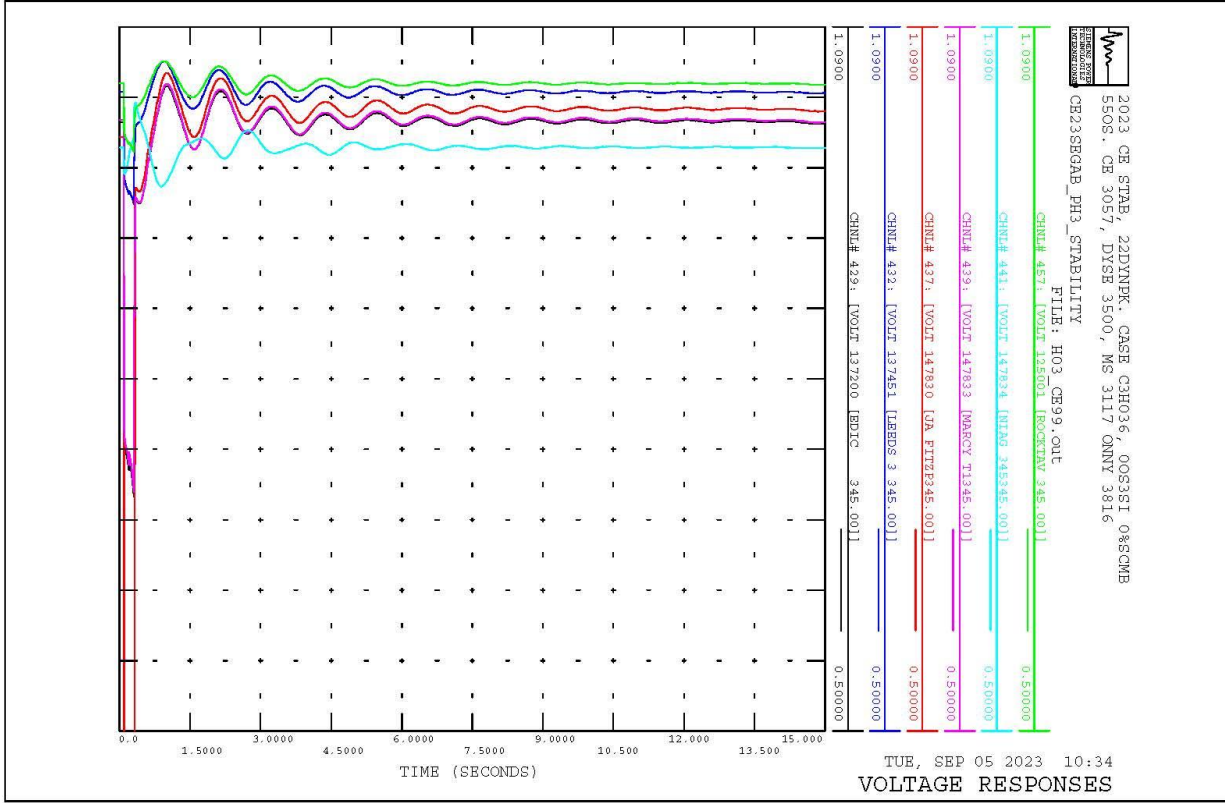
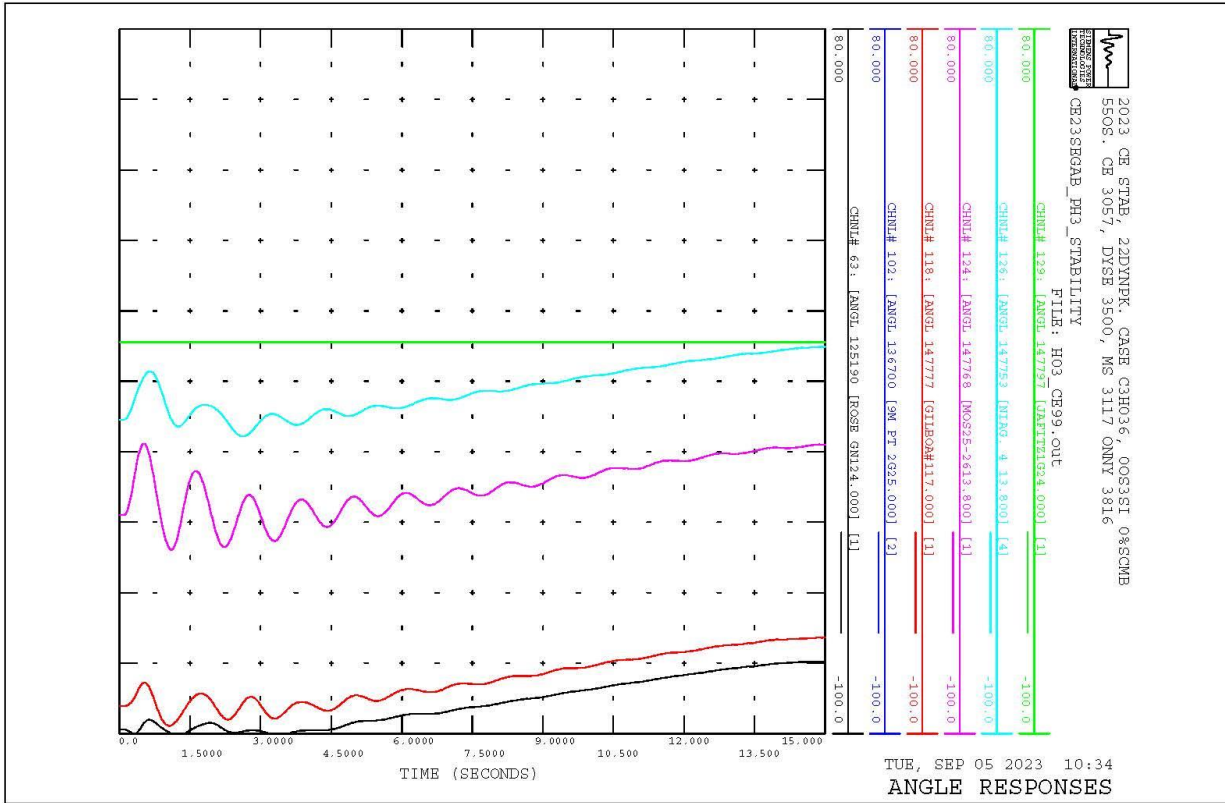


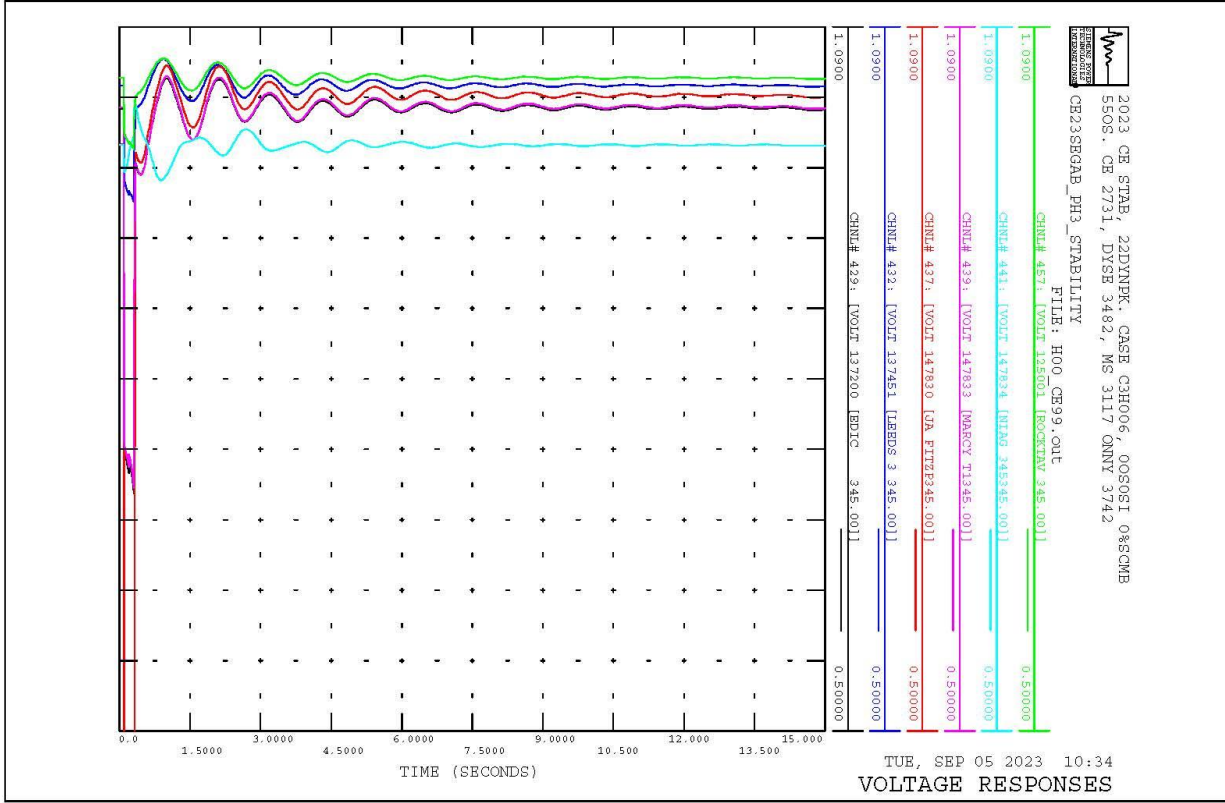
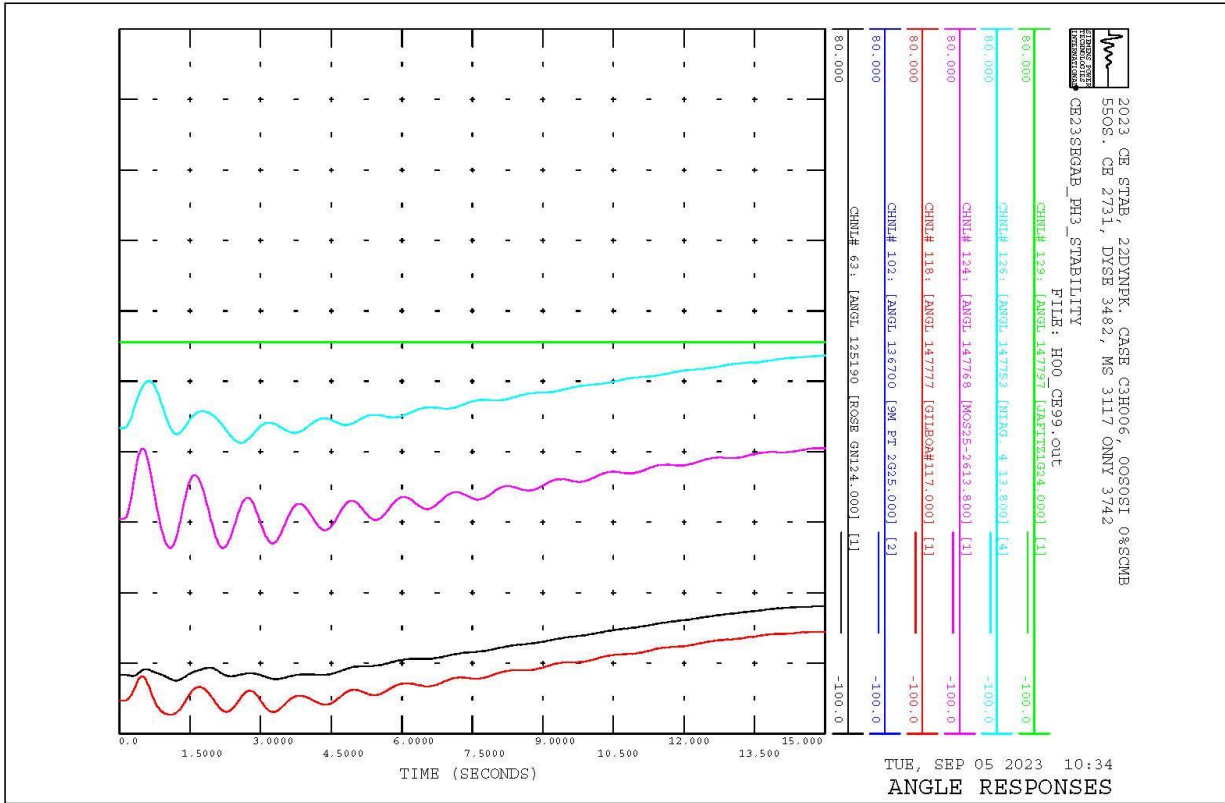




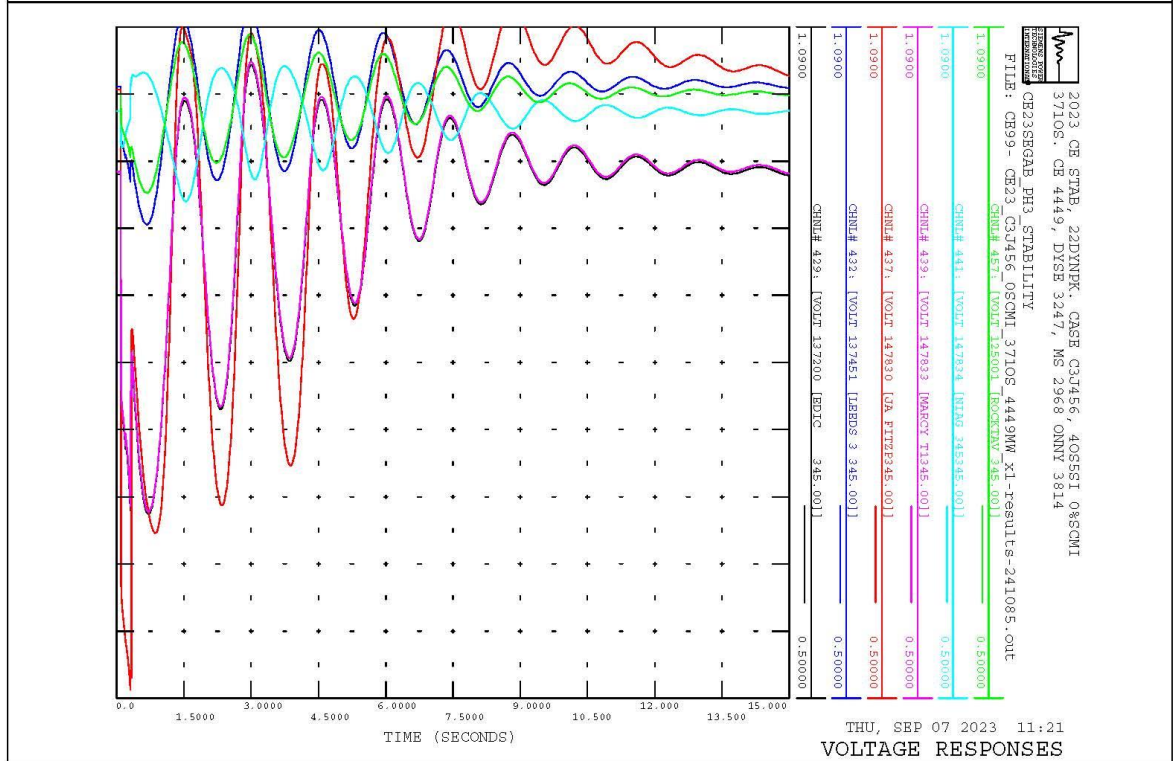
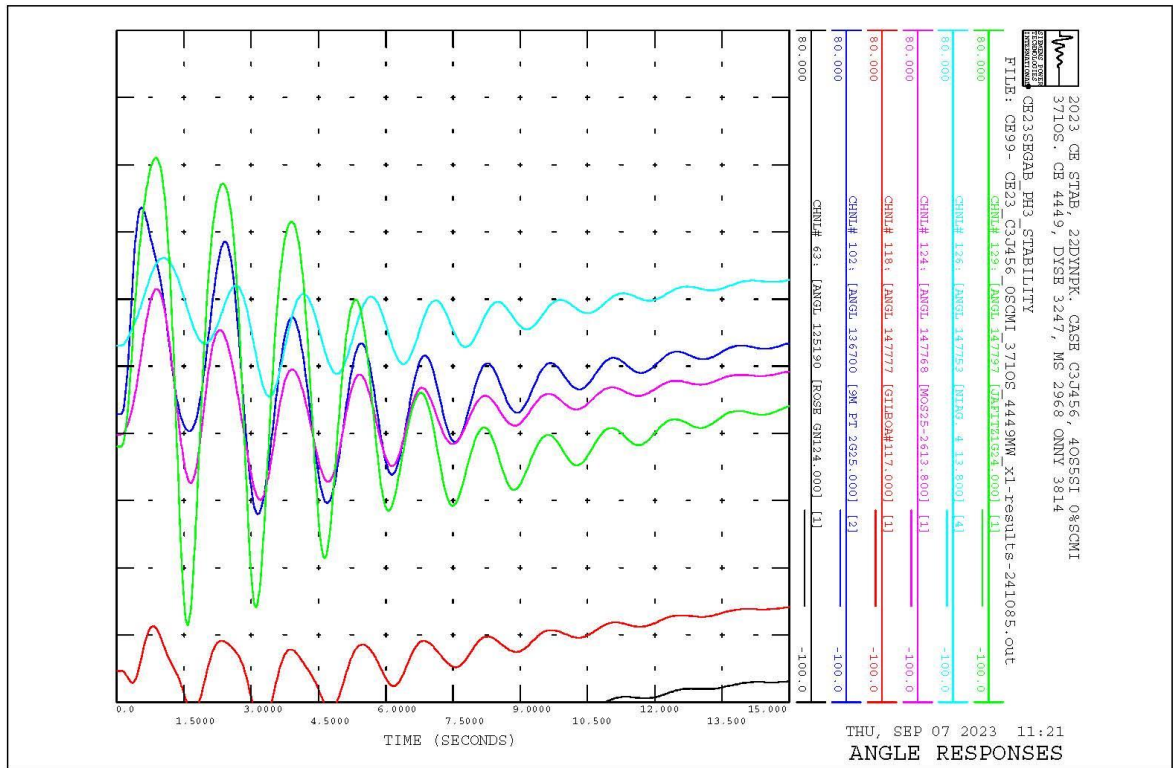


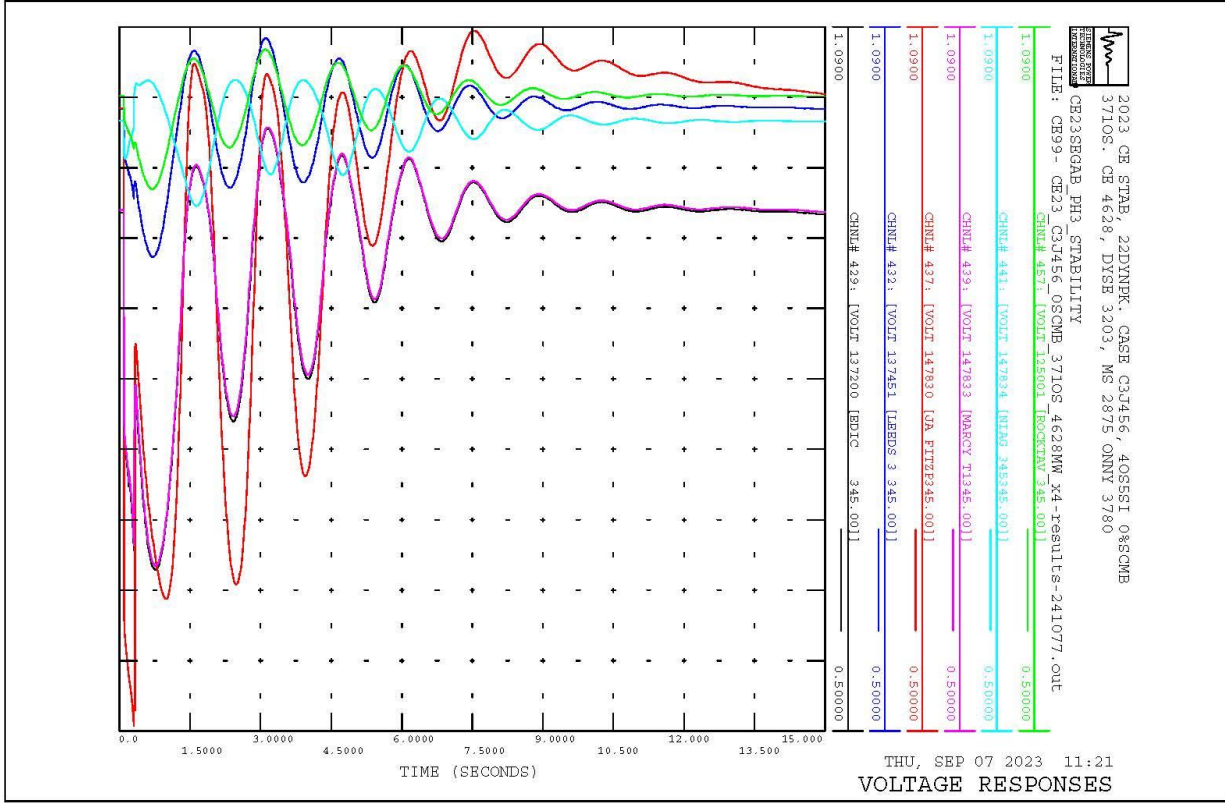
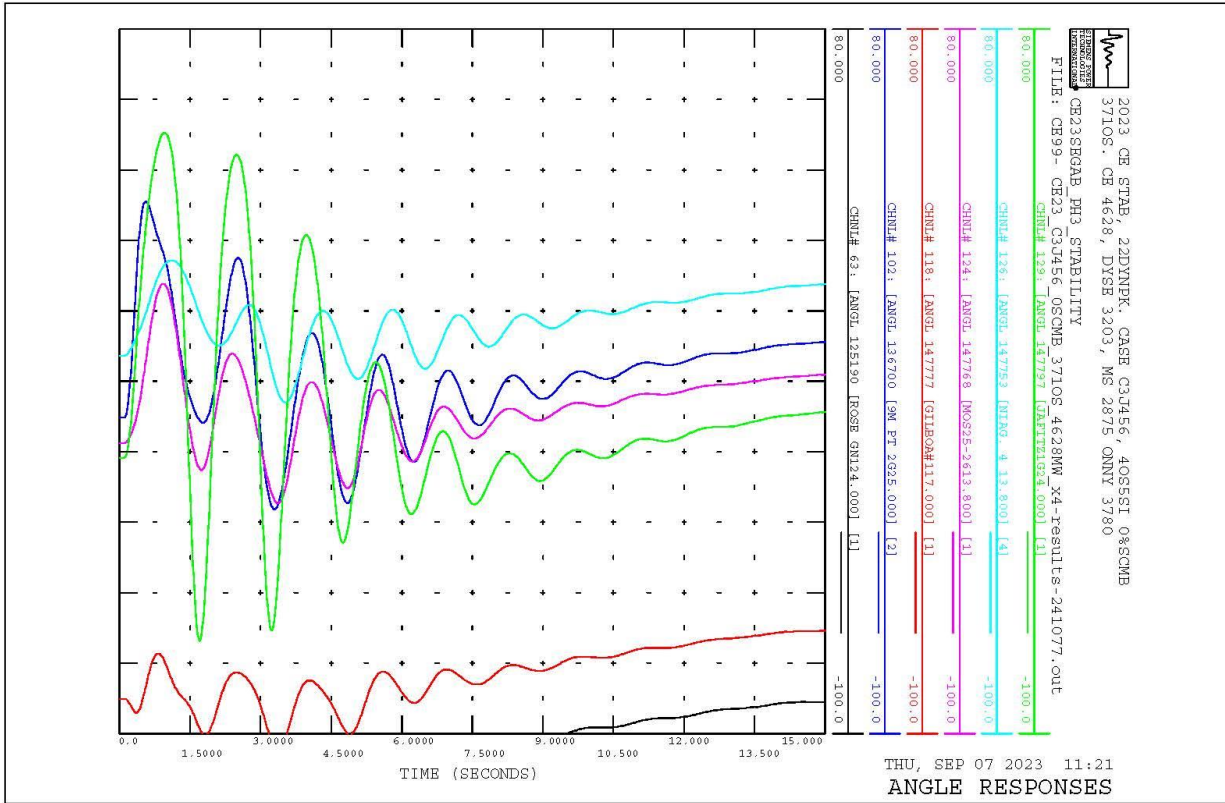


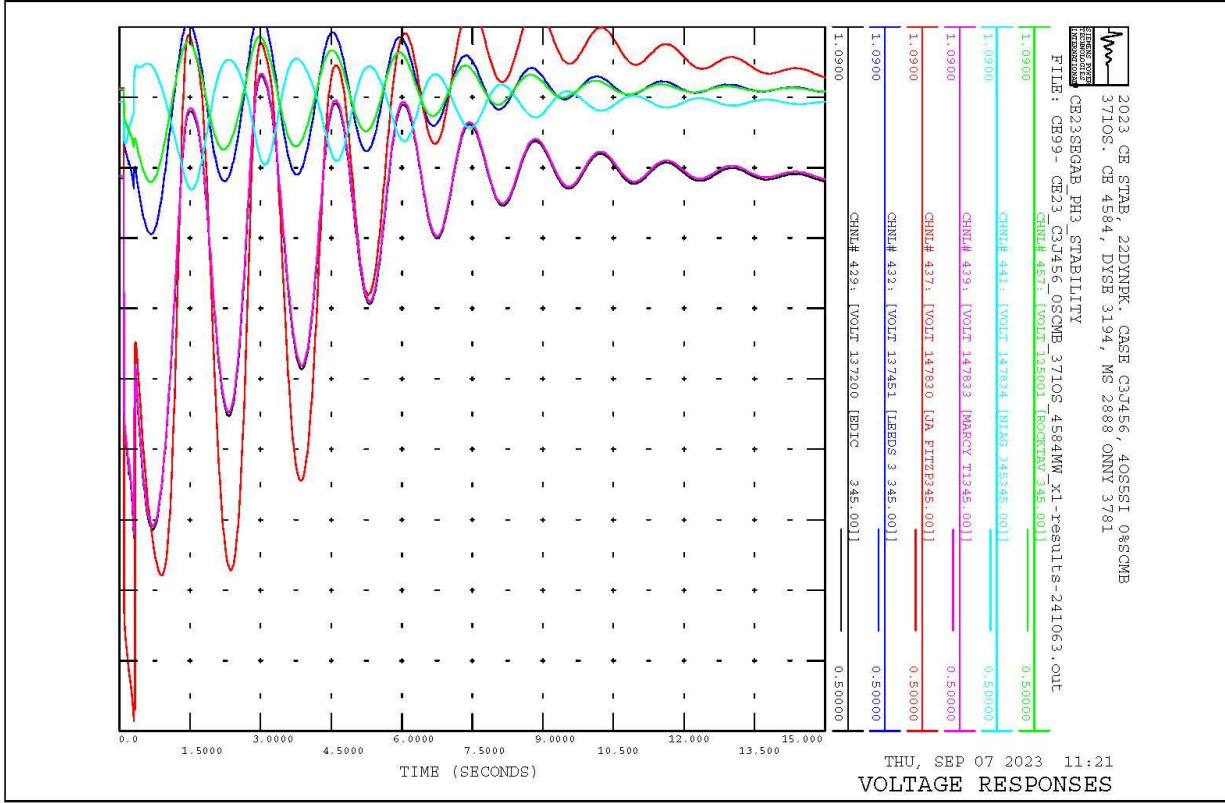
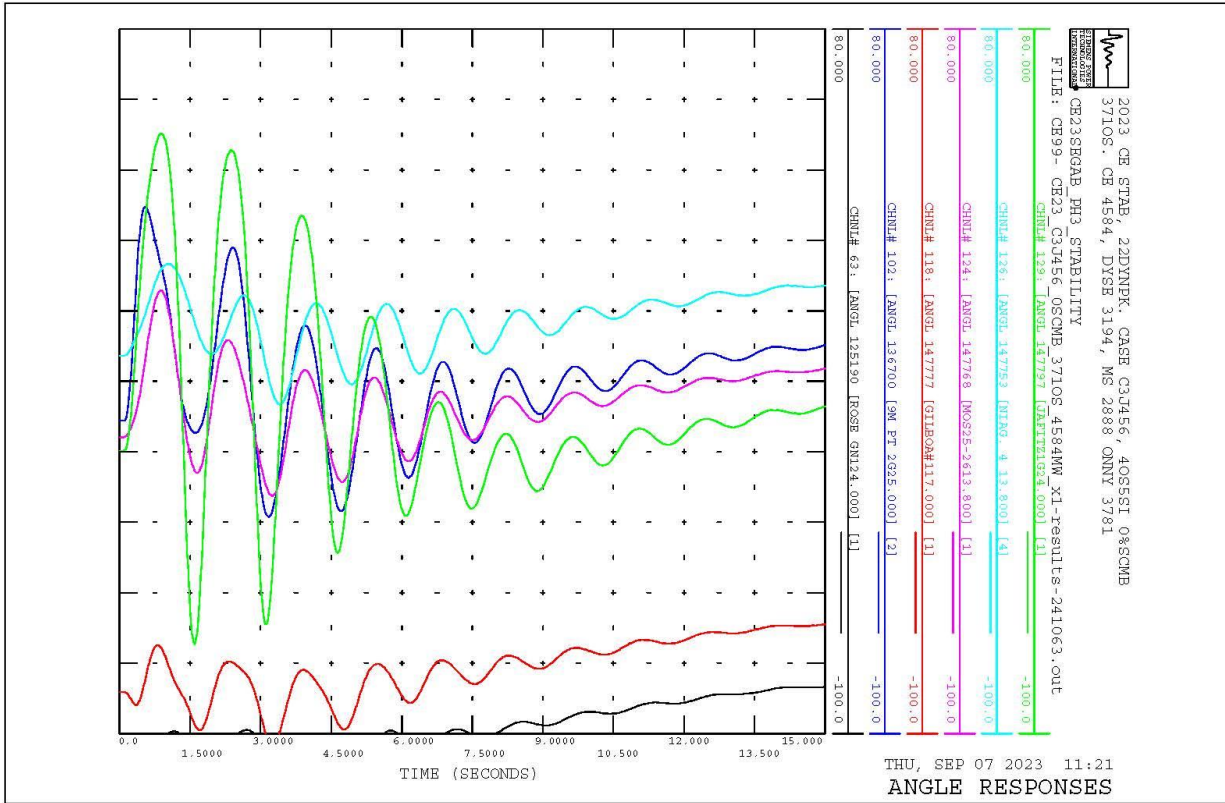


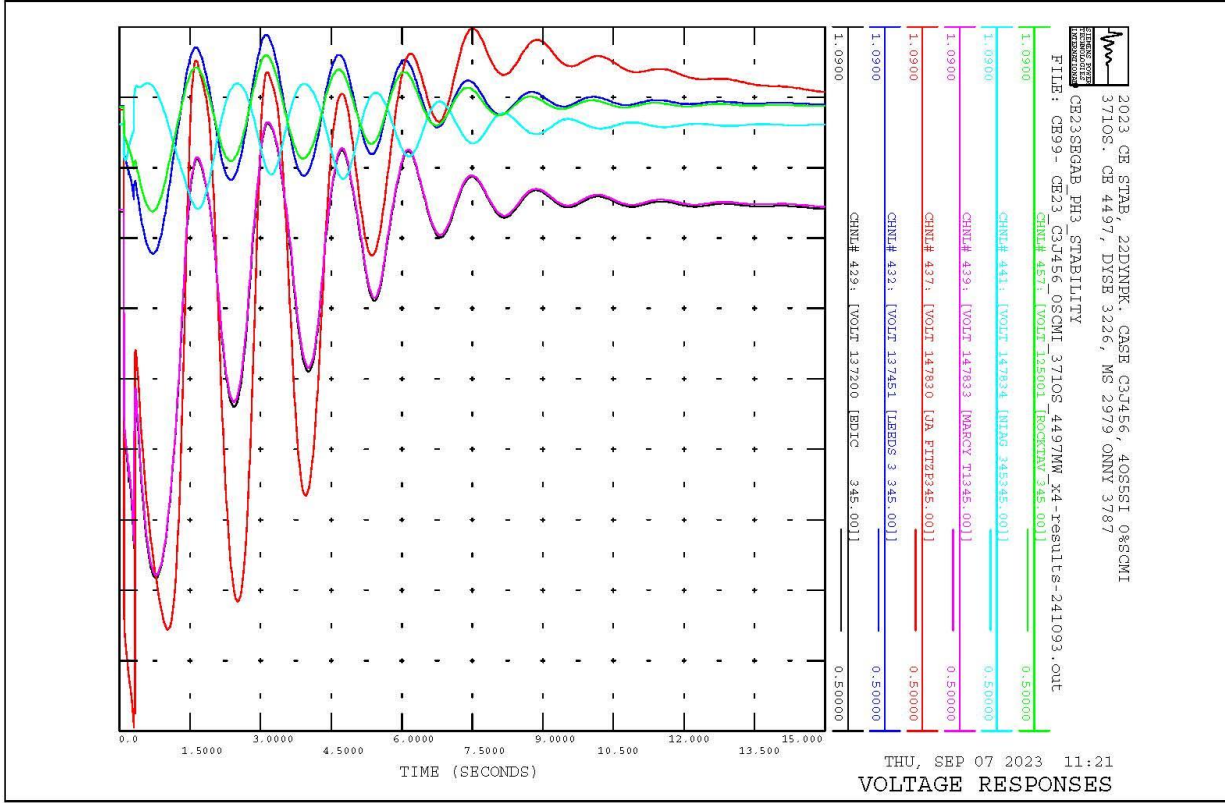
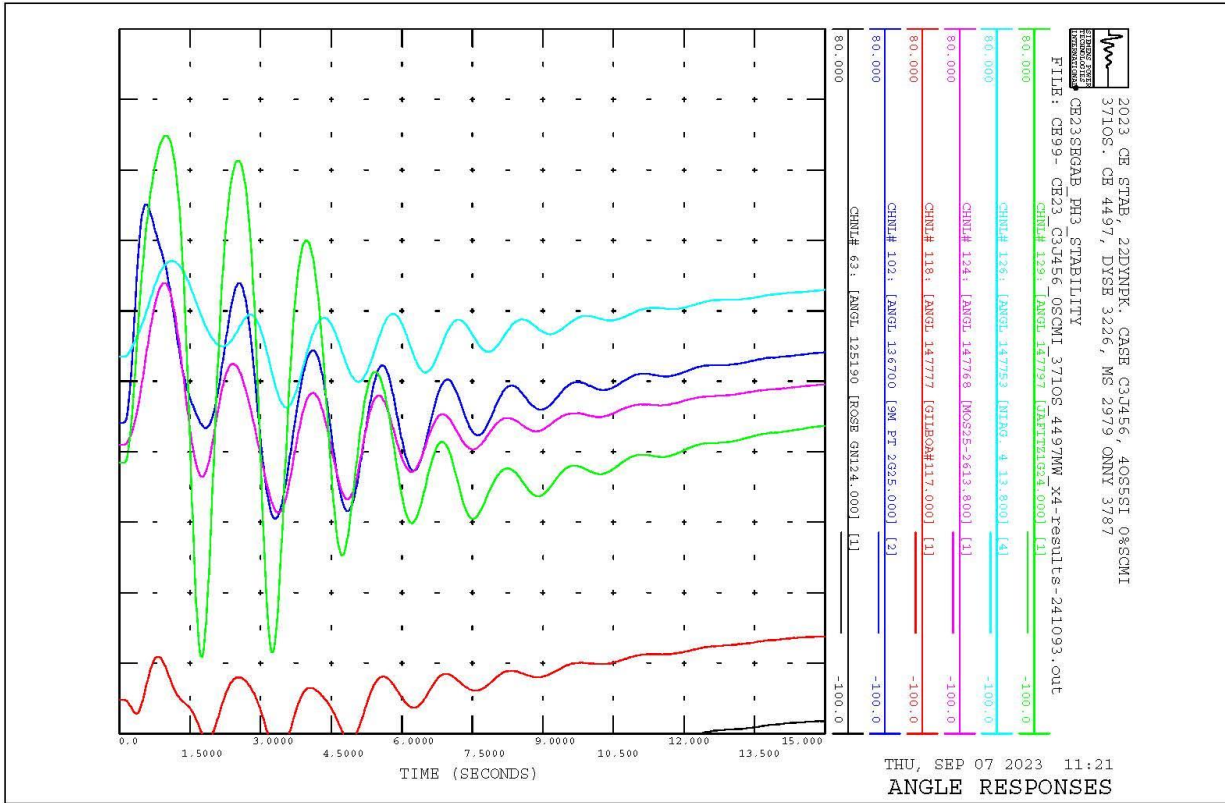


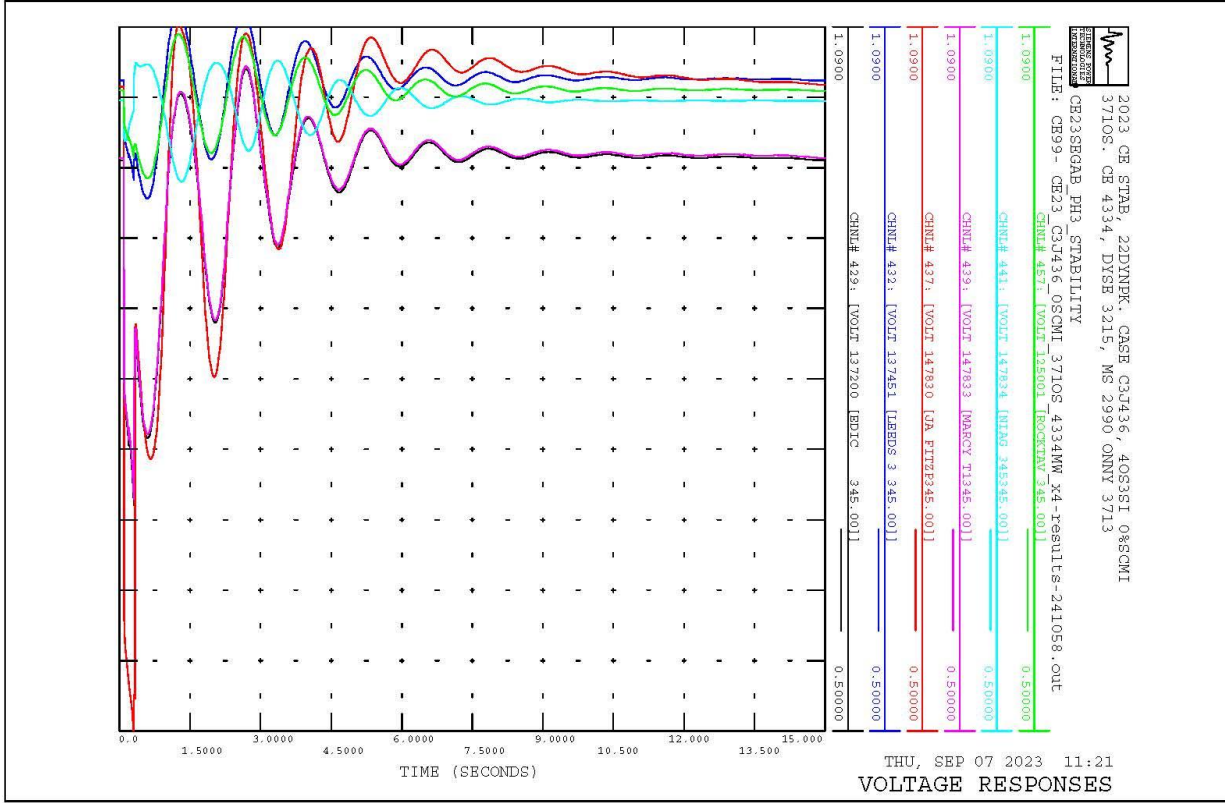
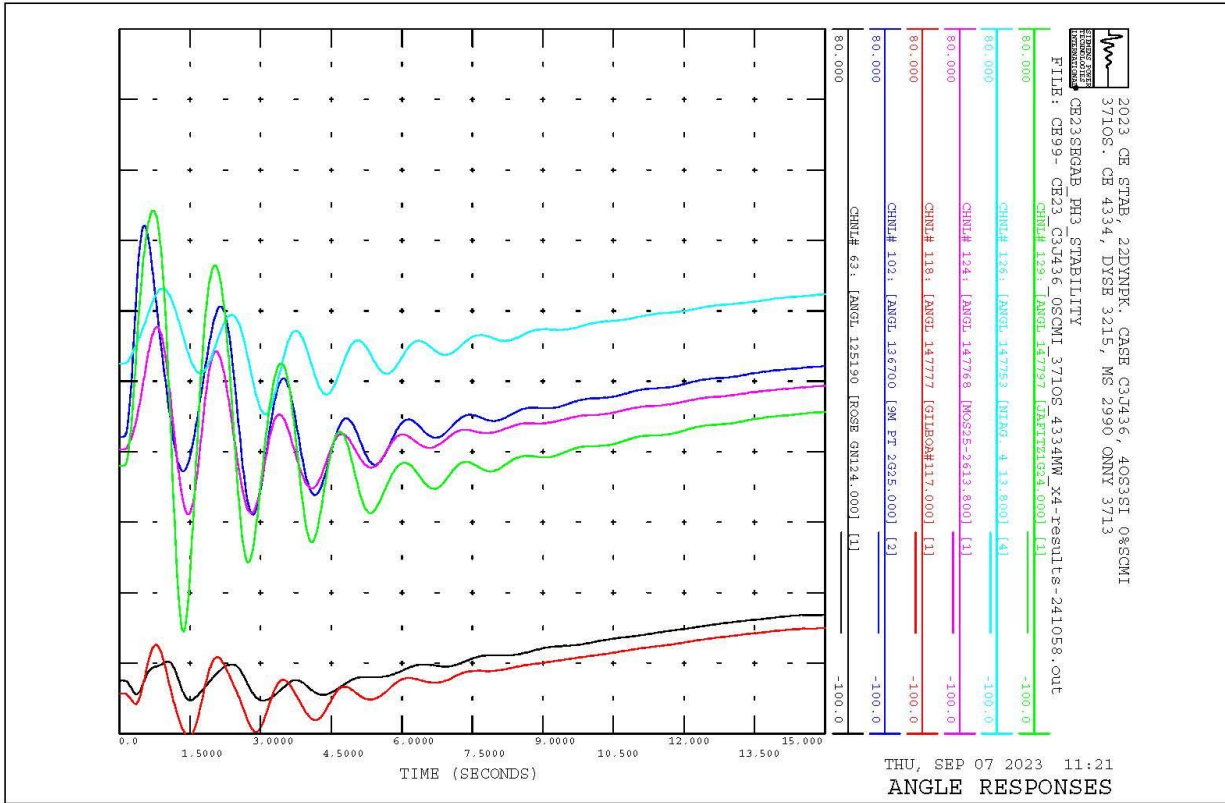
Appendix F: Princetown – Gordon Road (371) 345 kV Out of Service

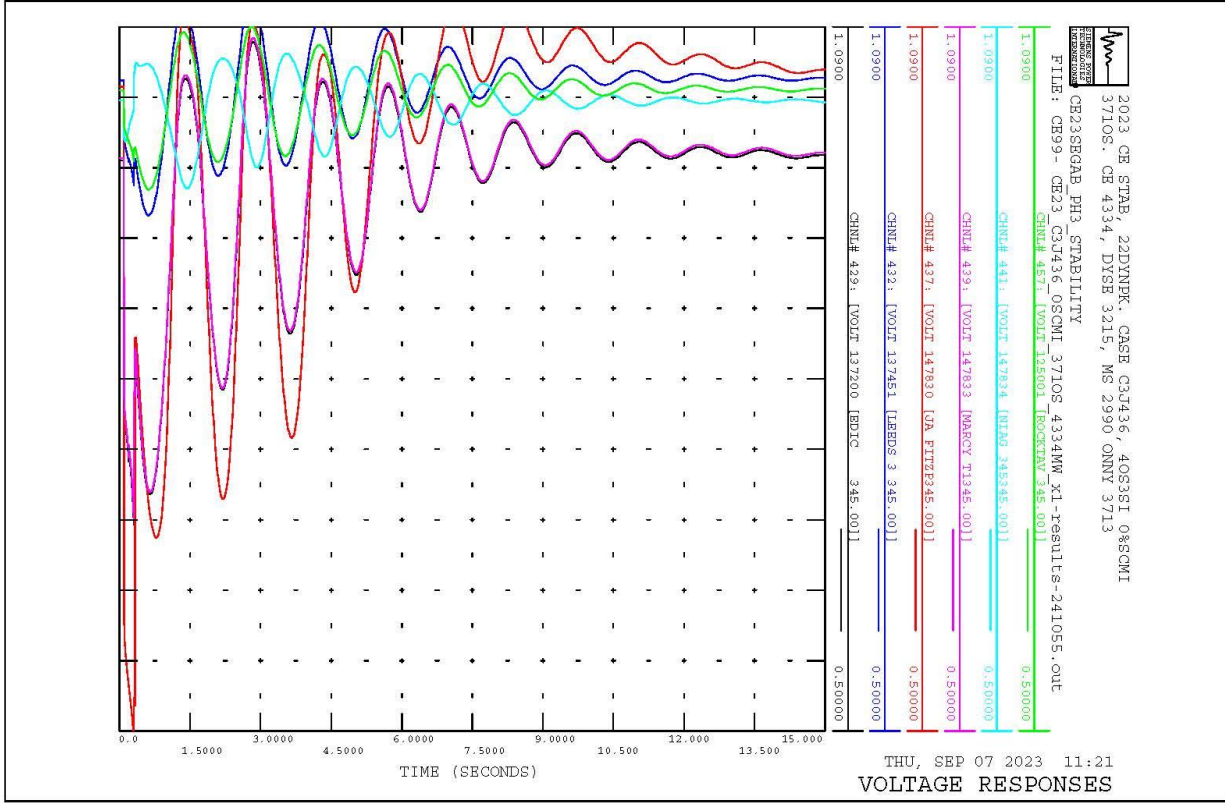
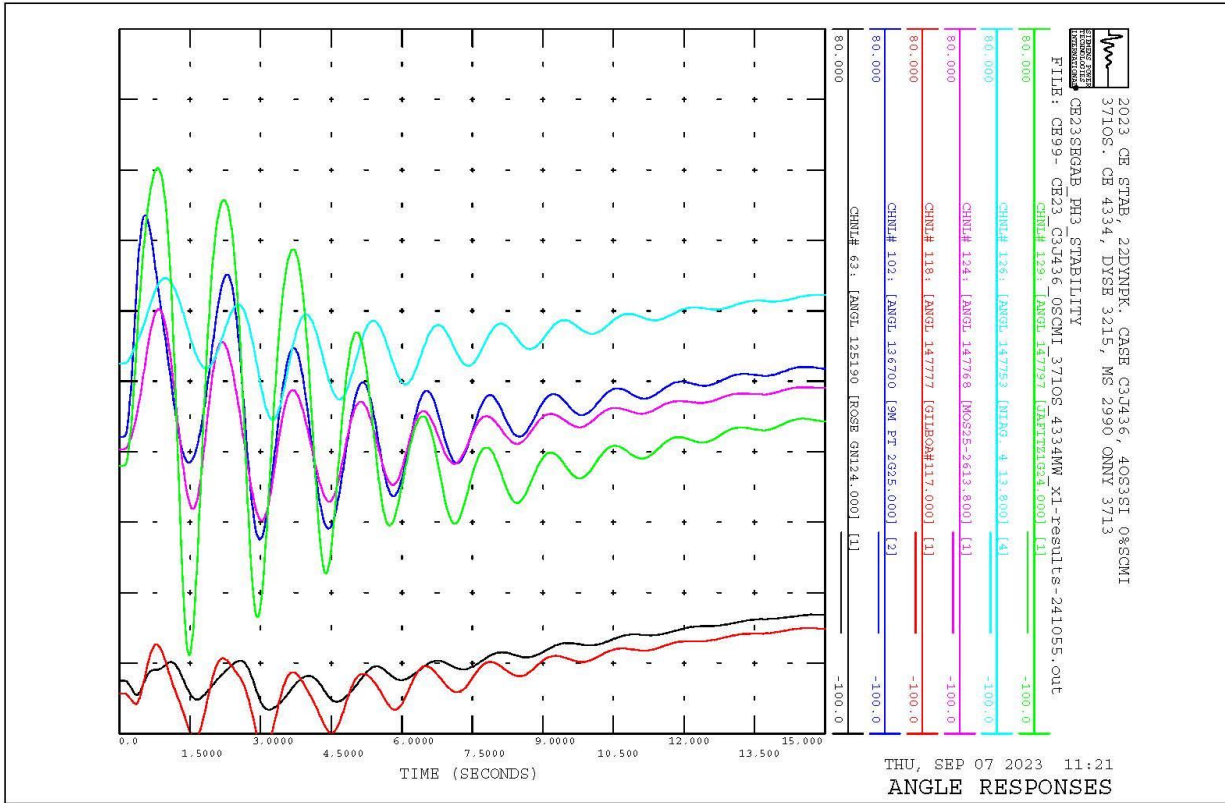


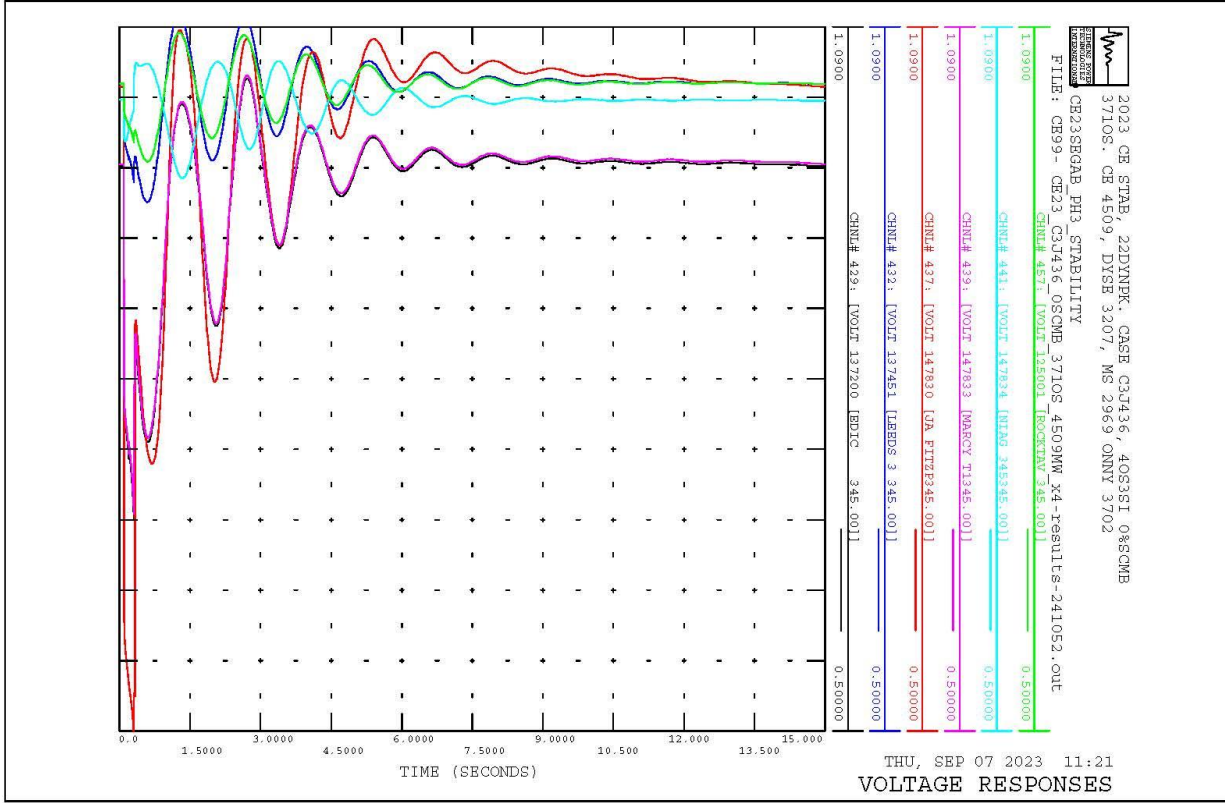
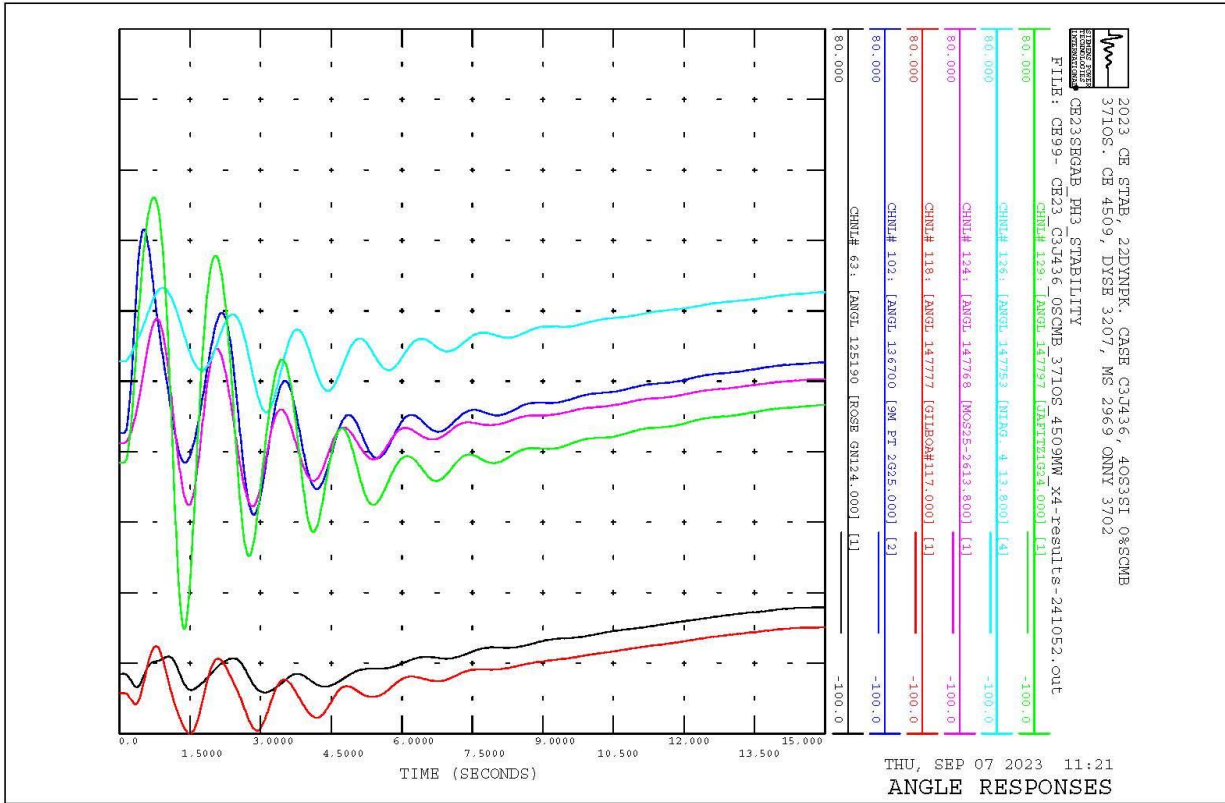


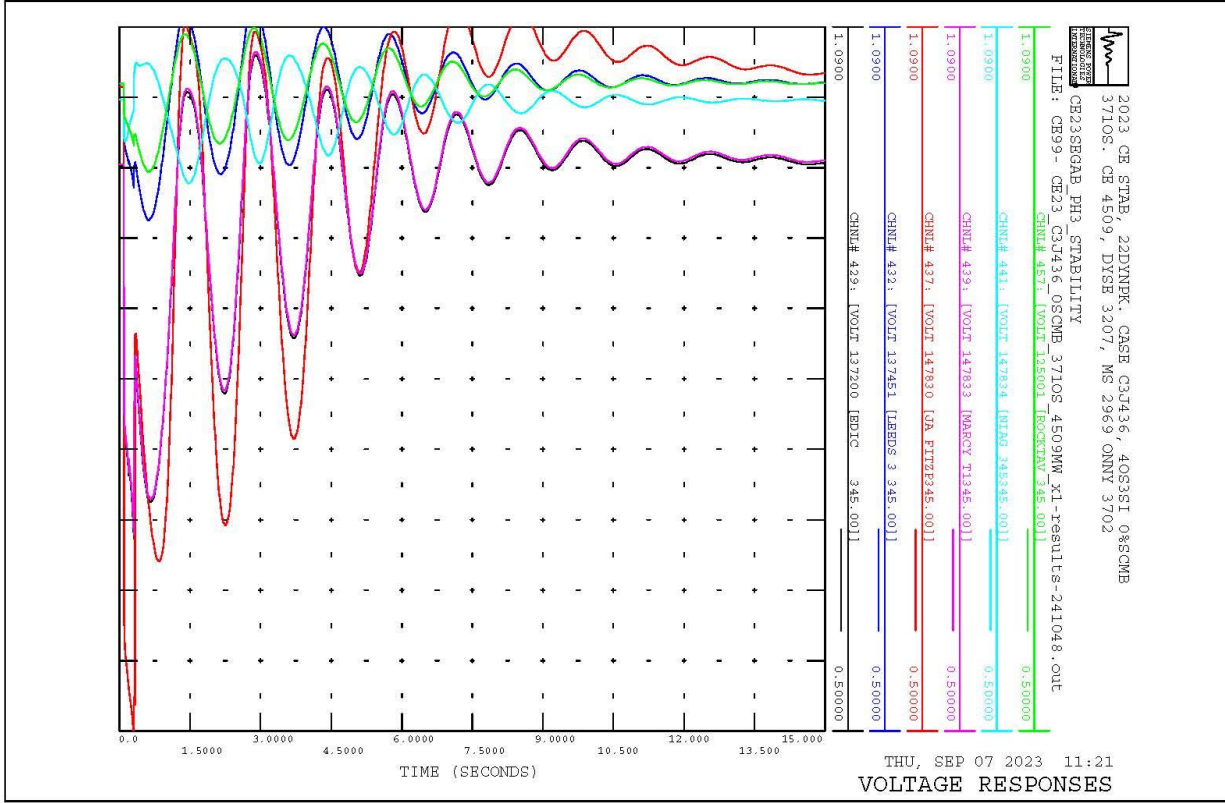
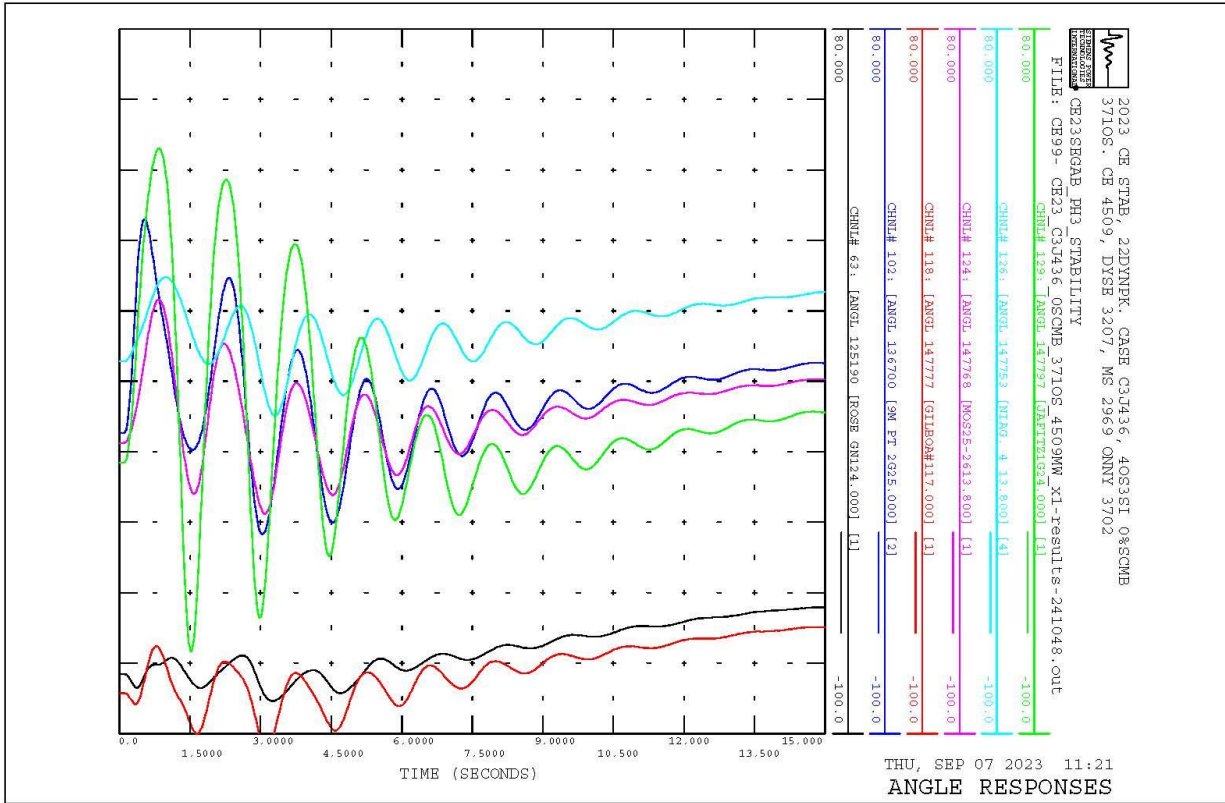


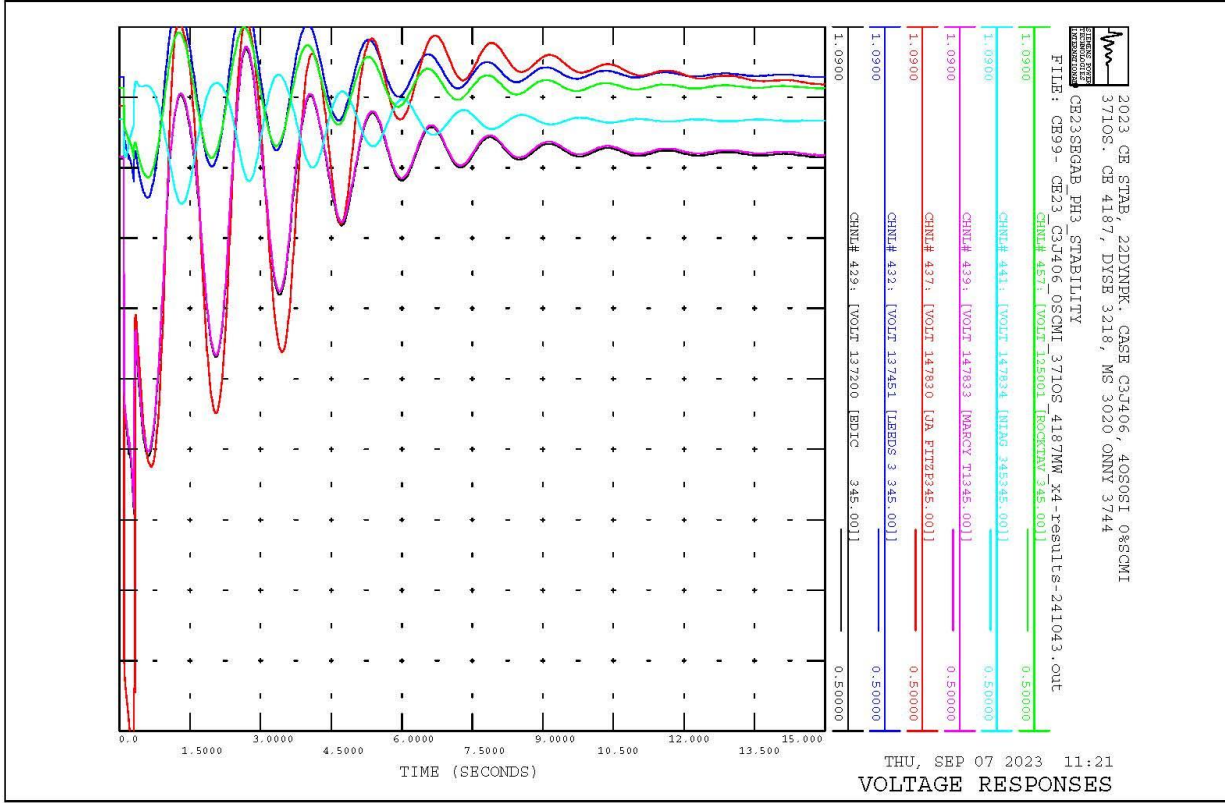
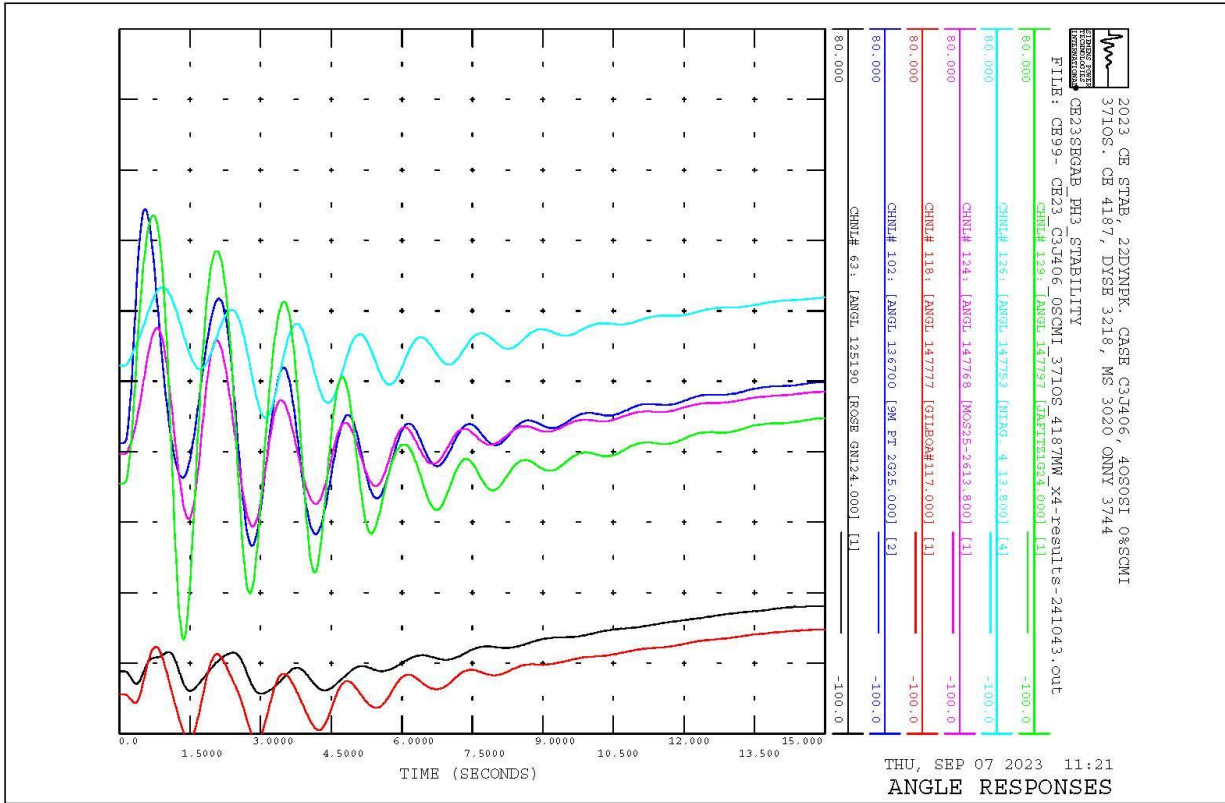


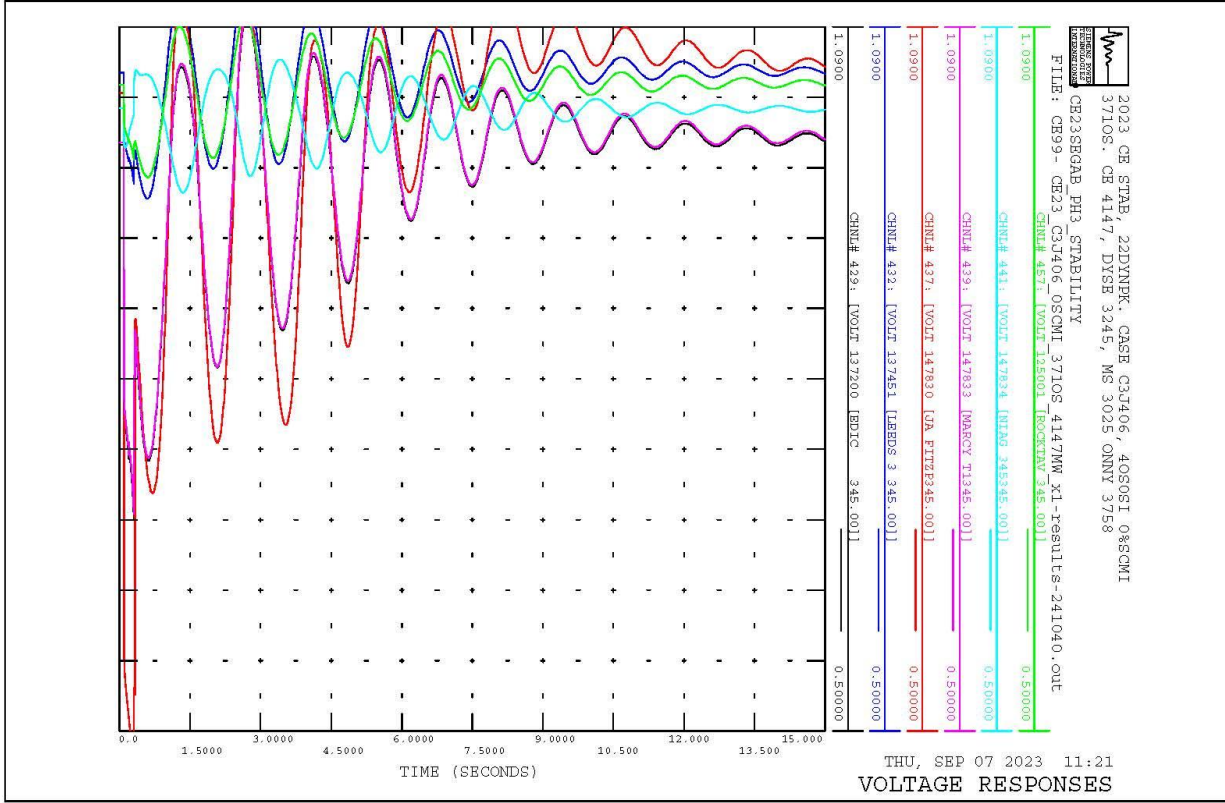
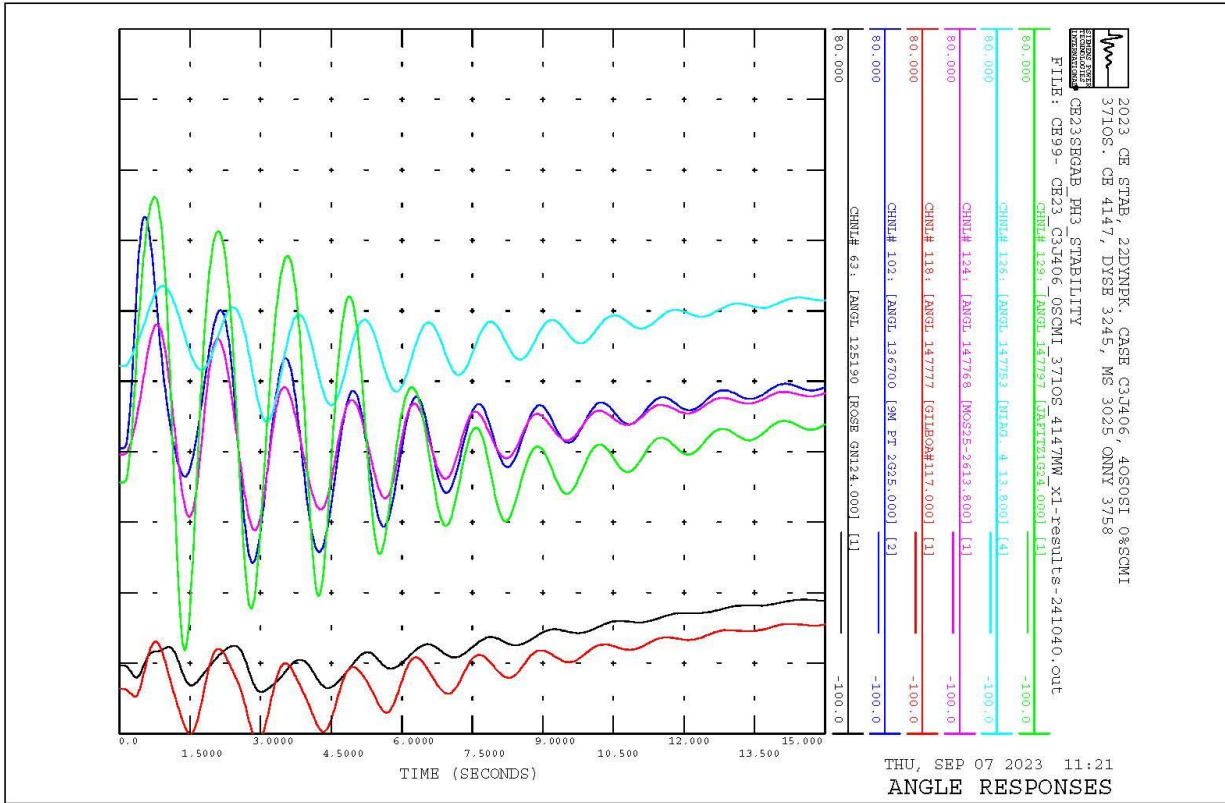


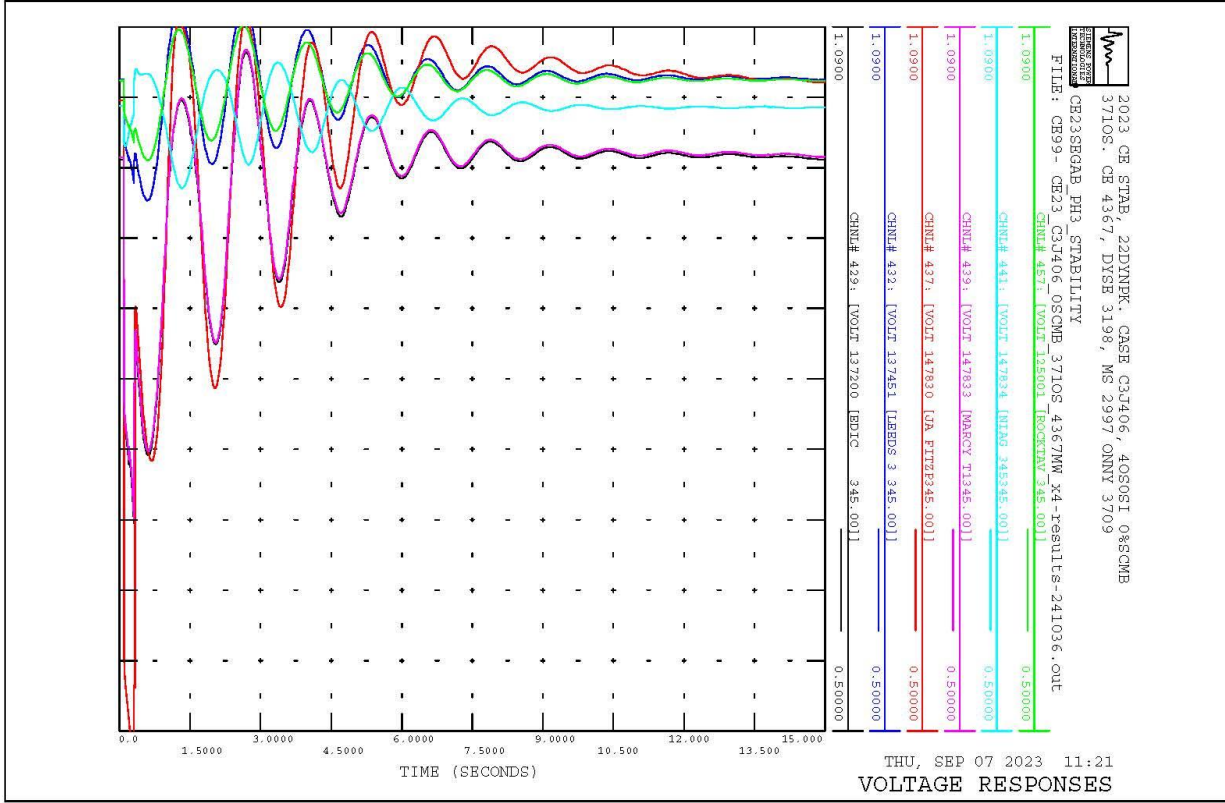
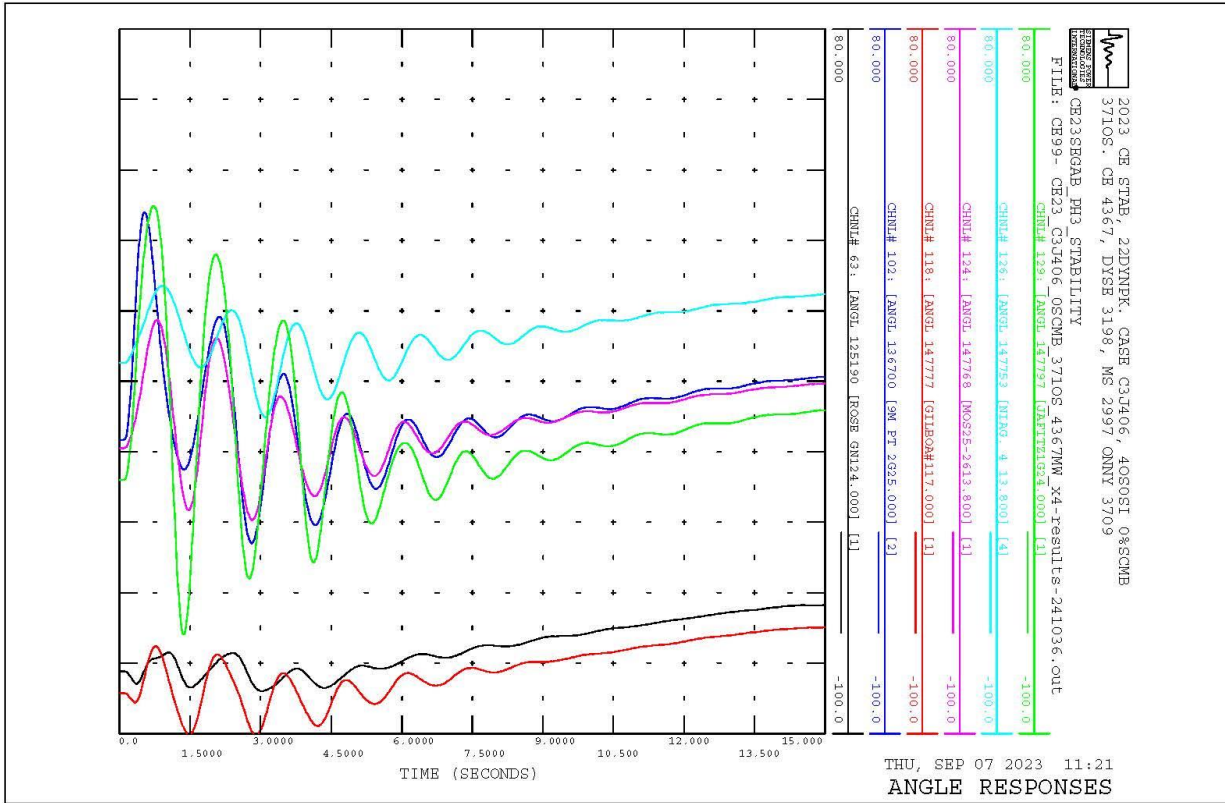


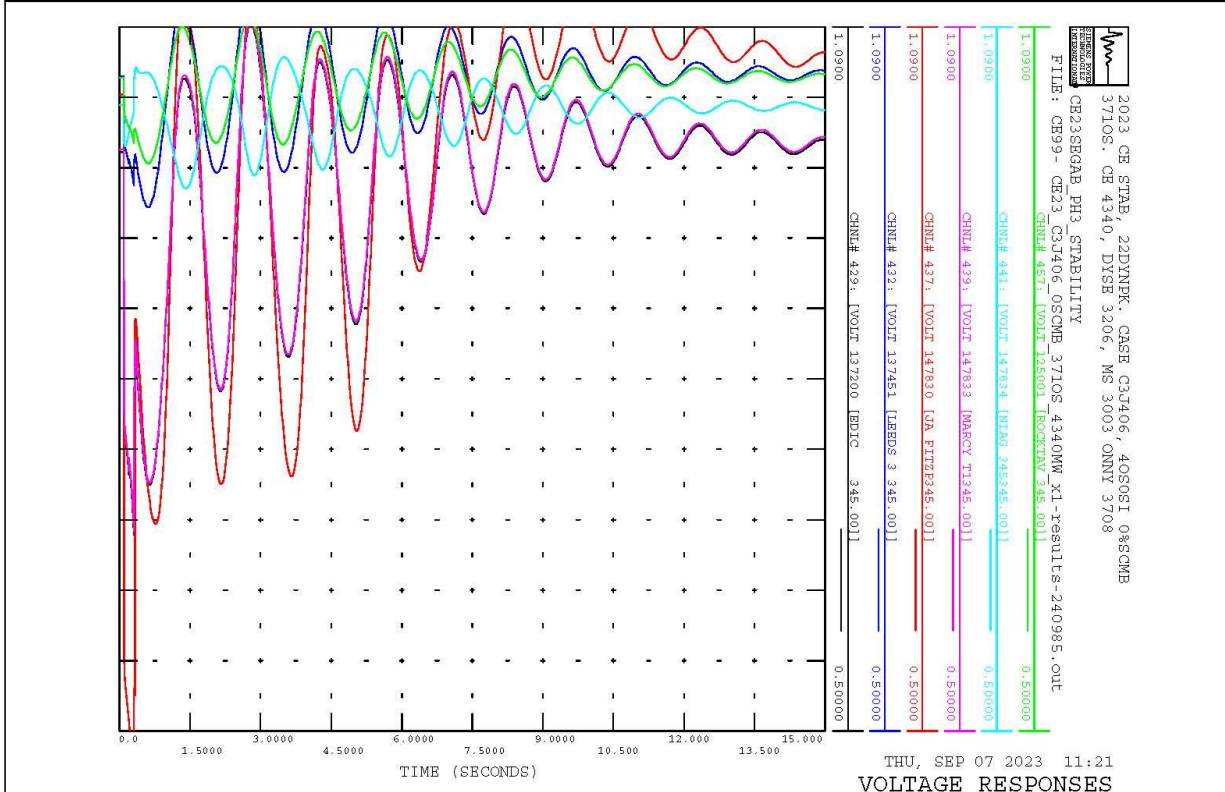
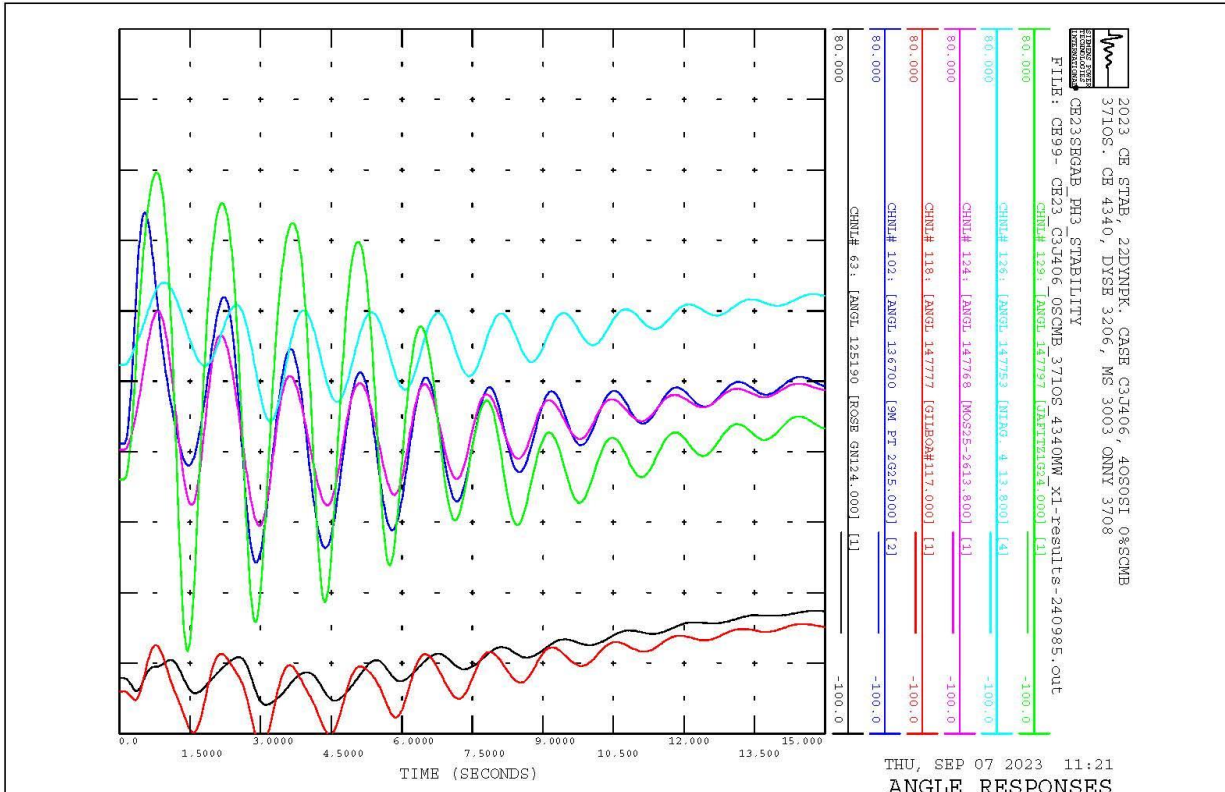


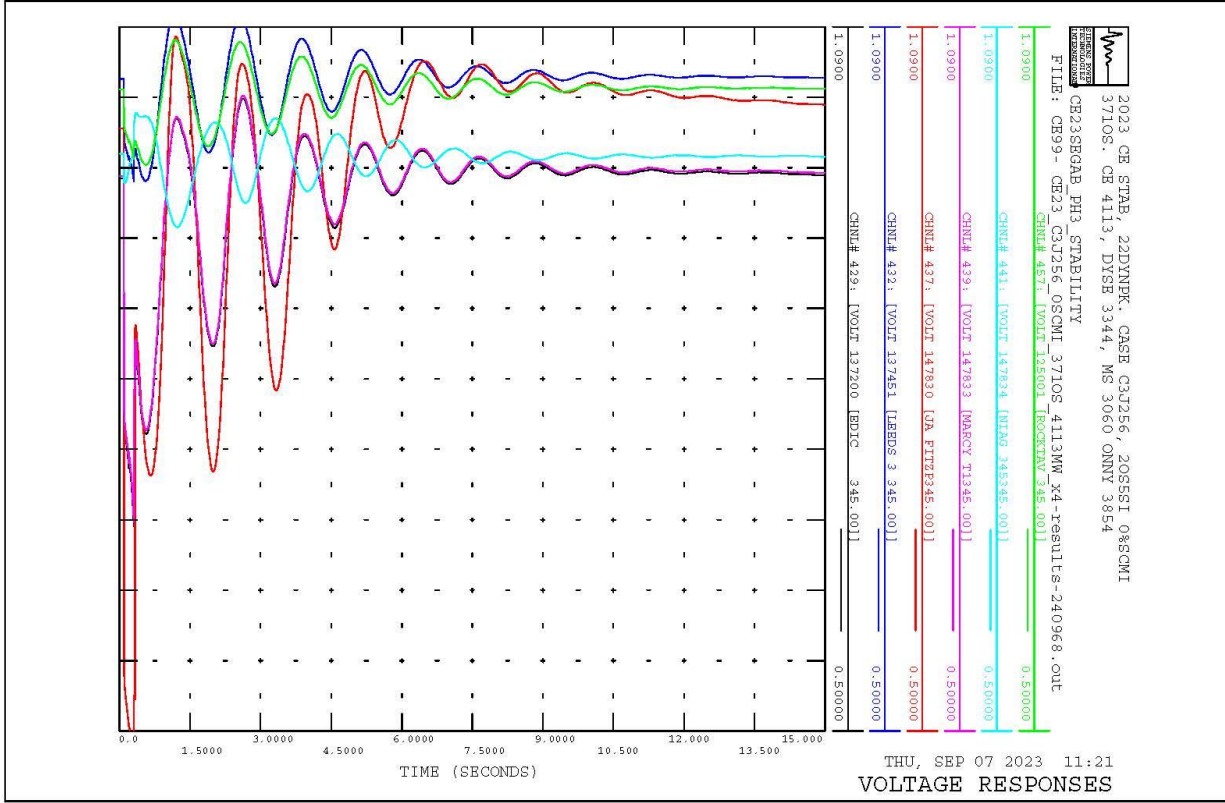
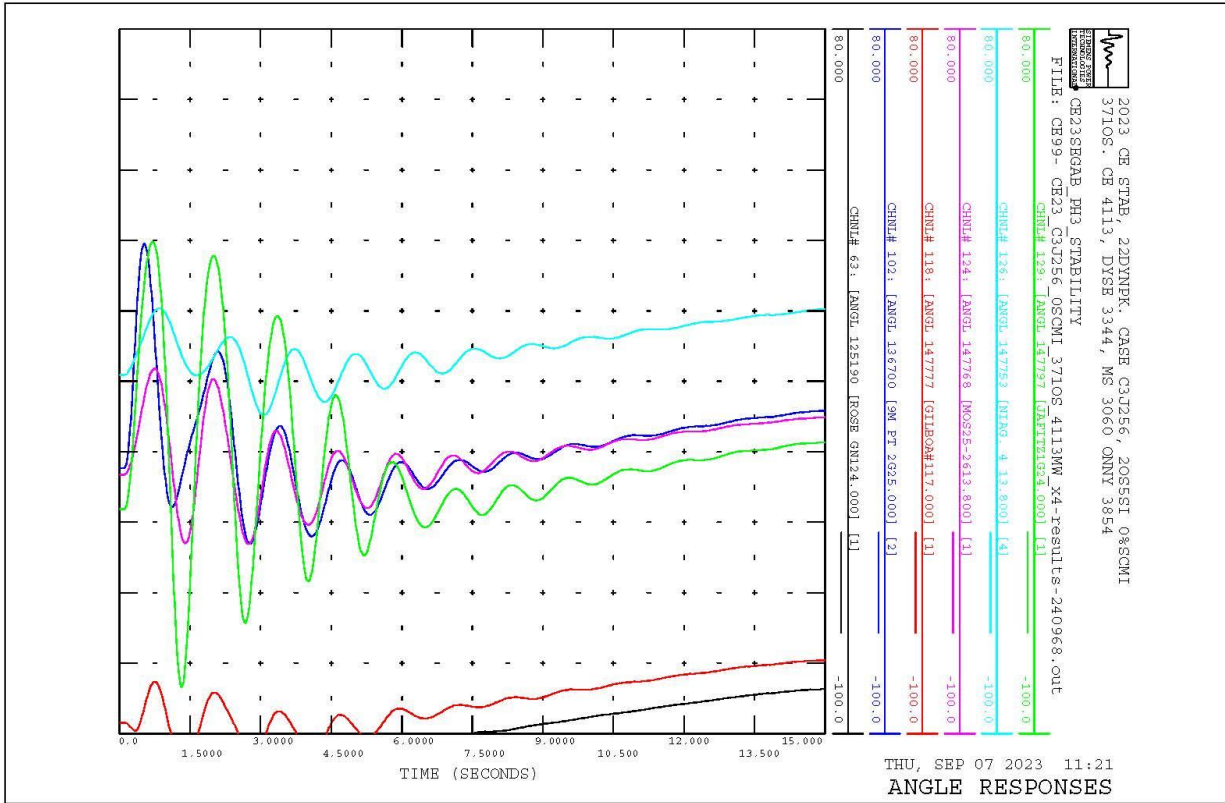


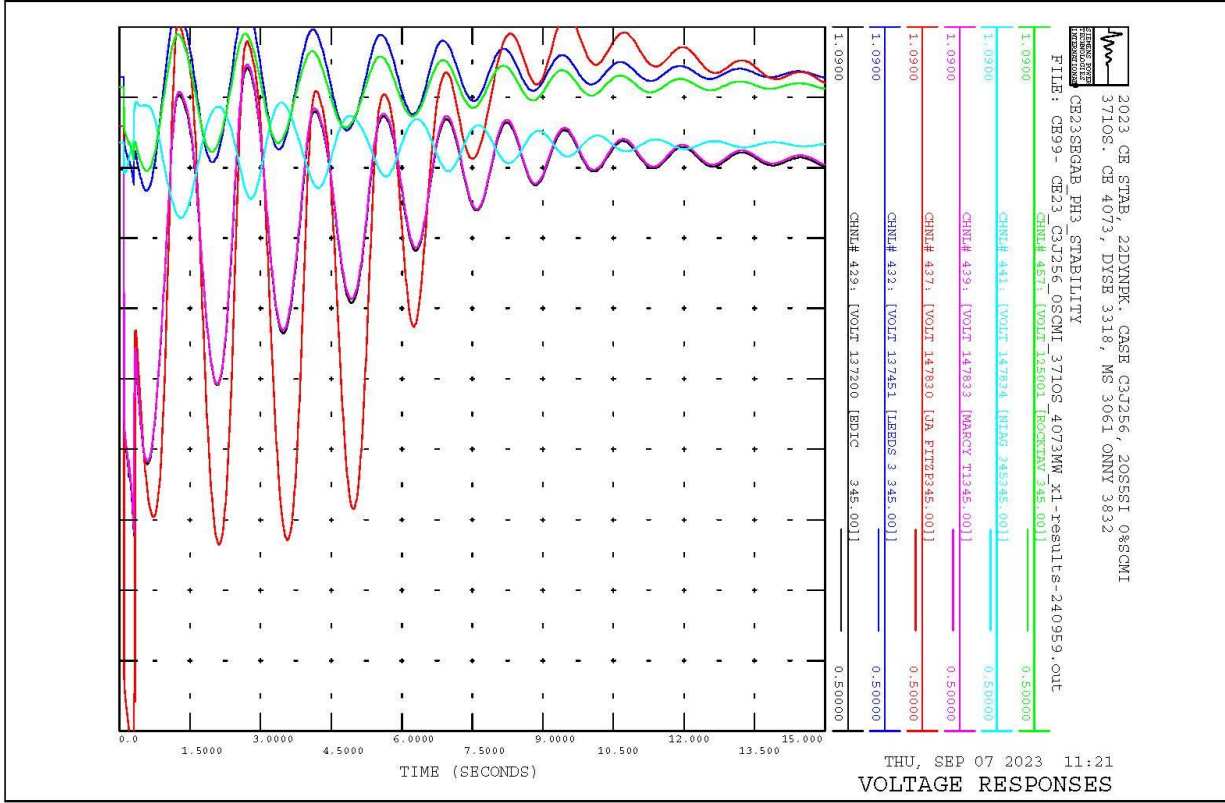
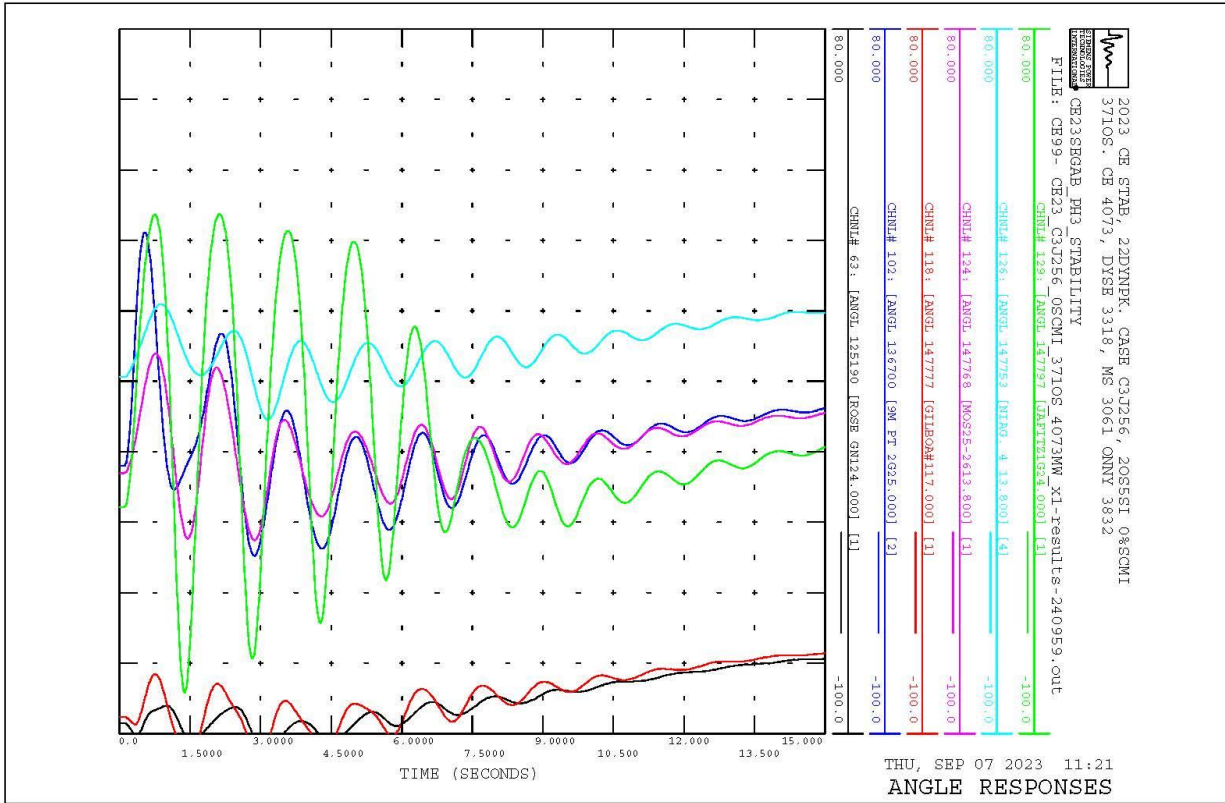


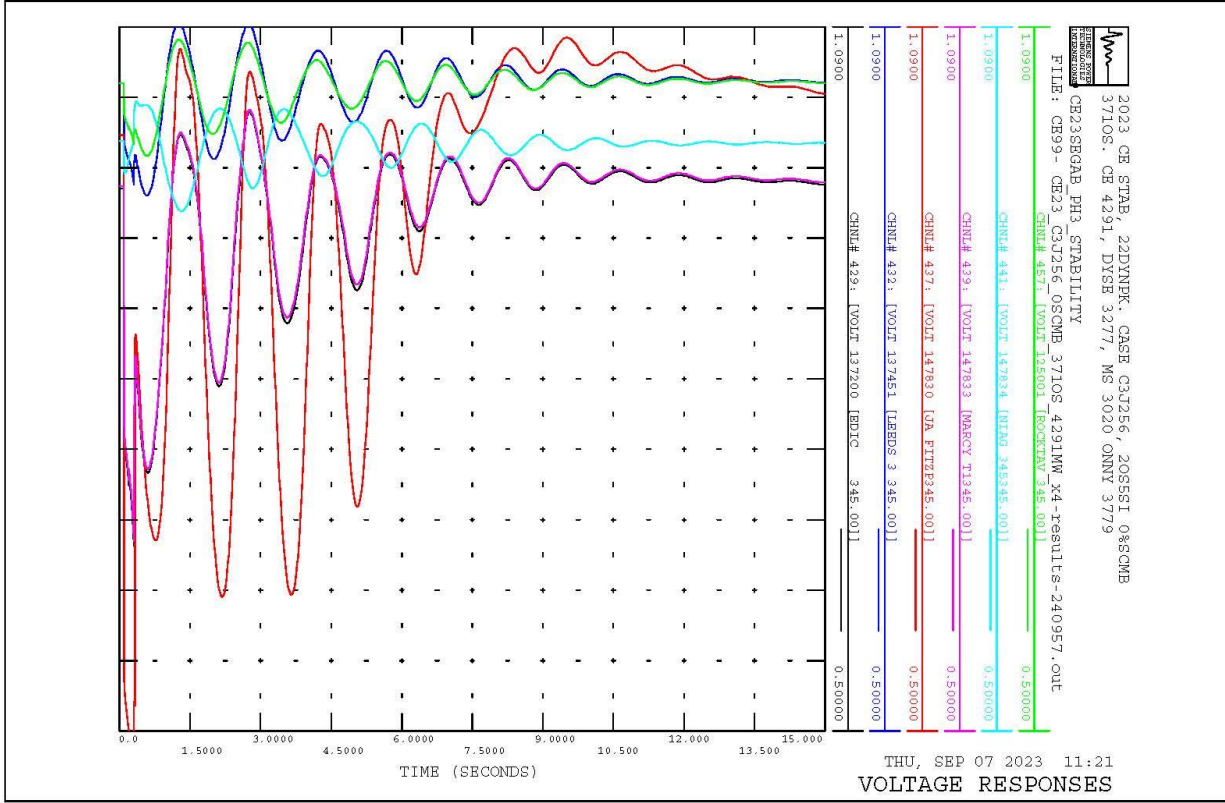
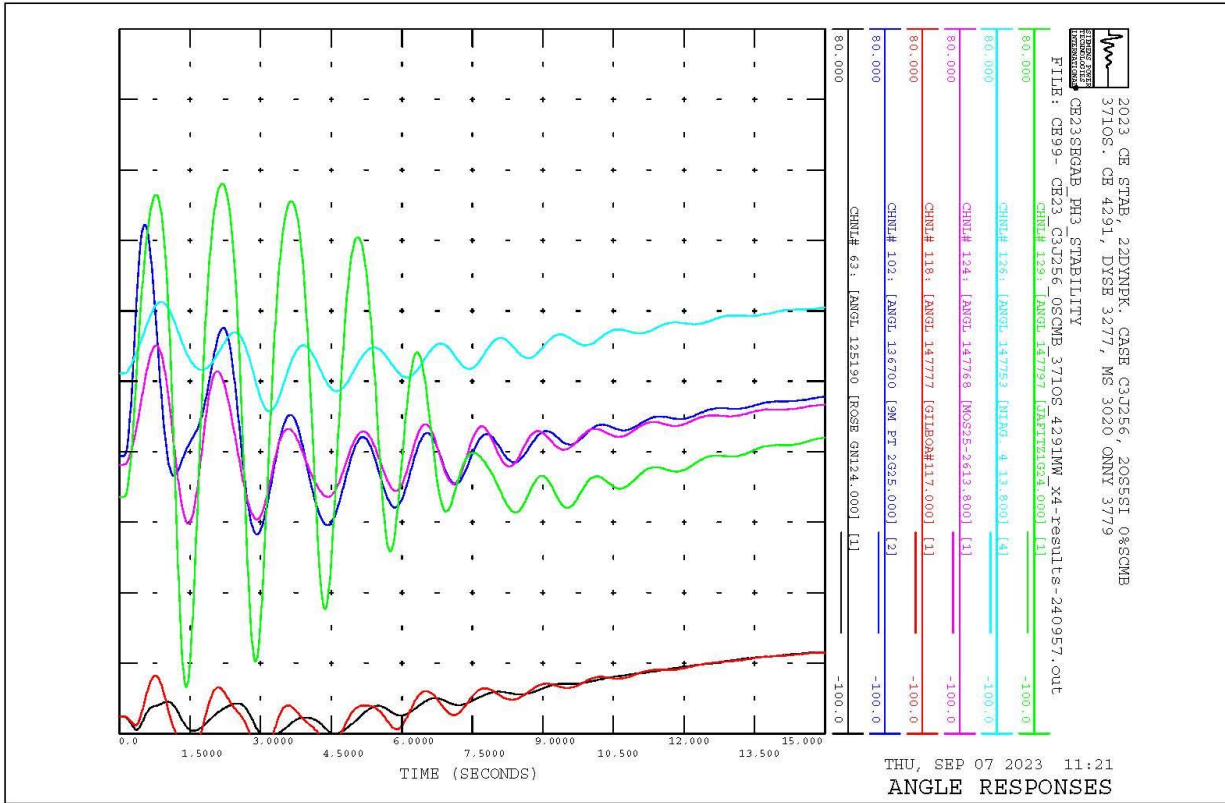


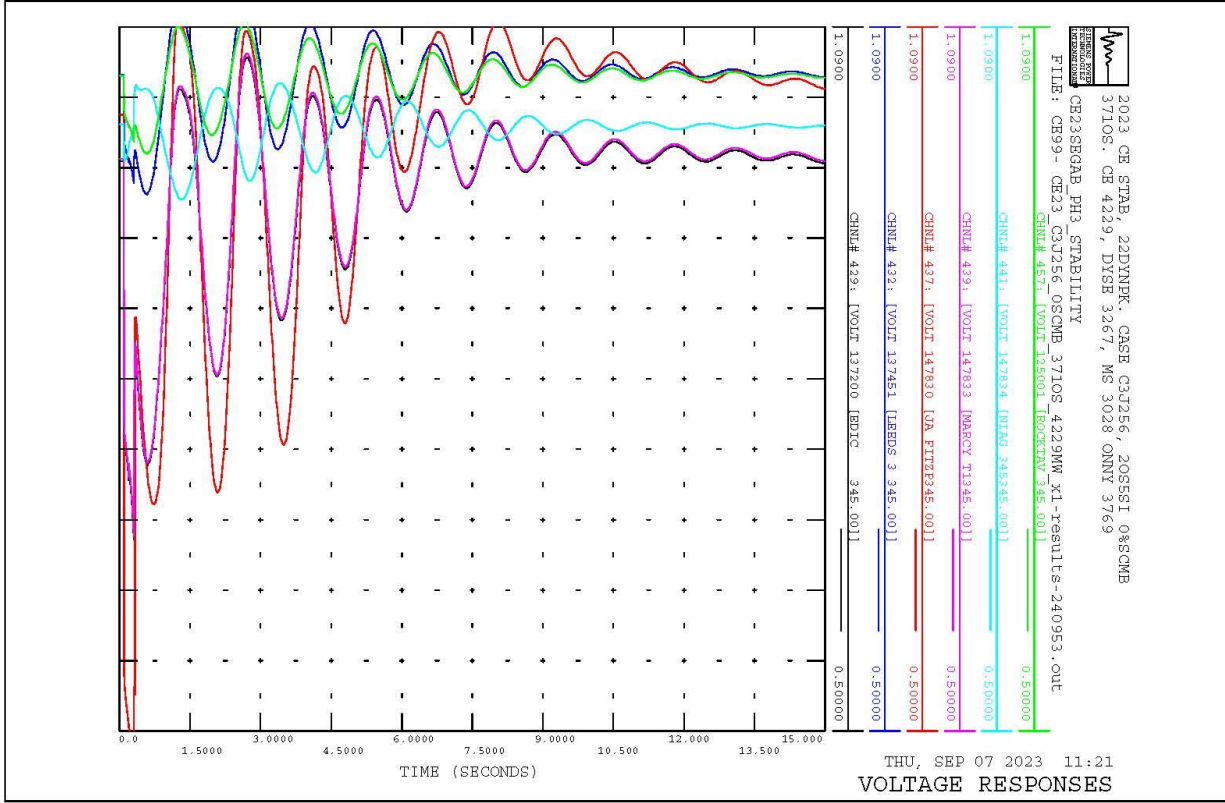
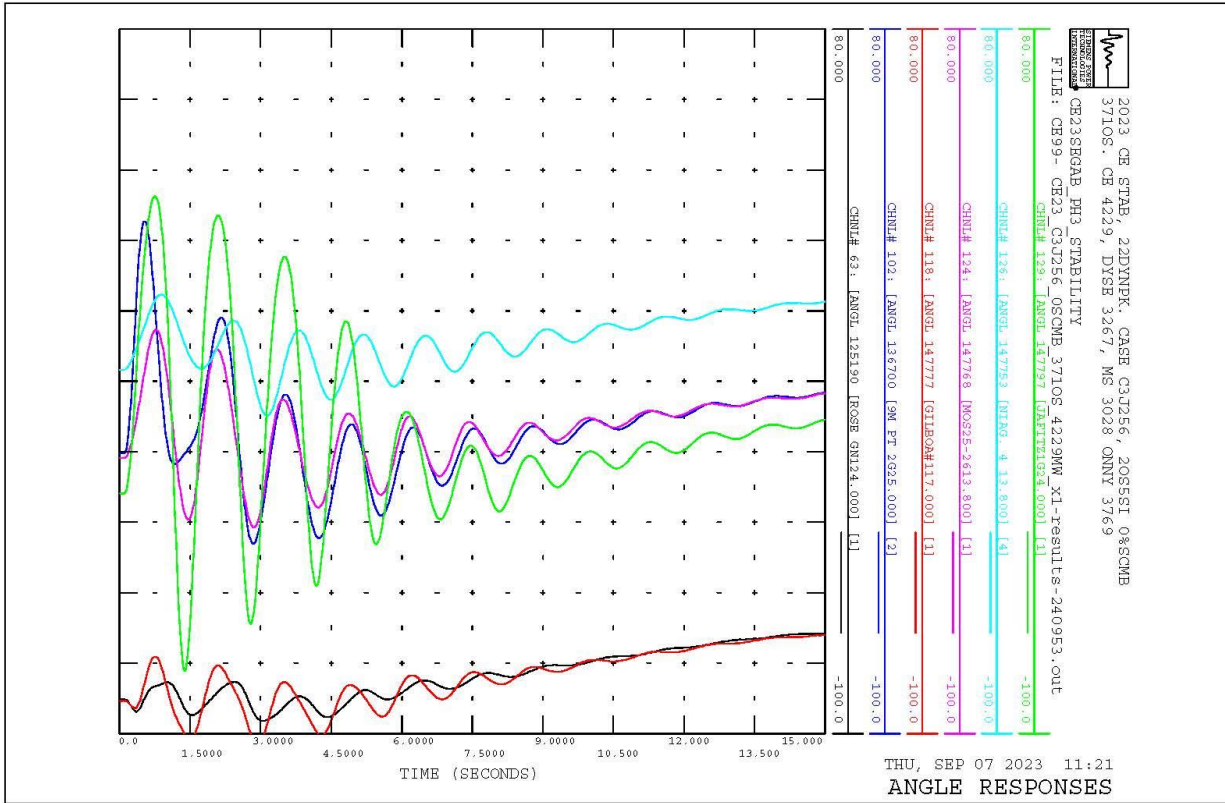


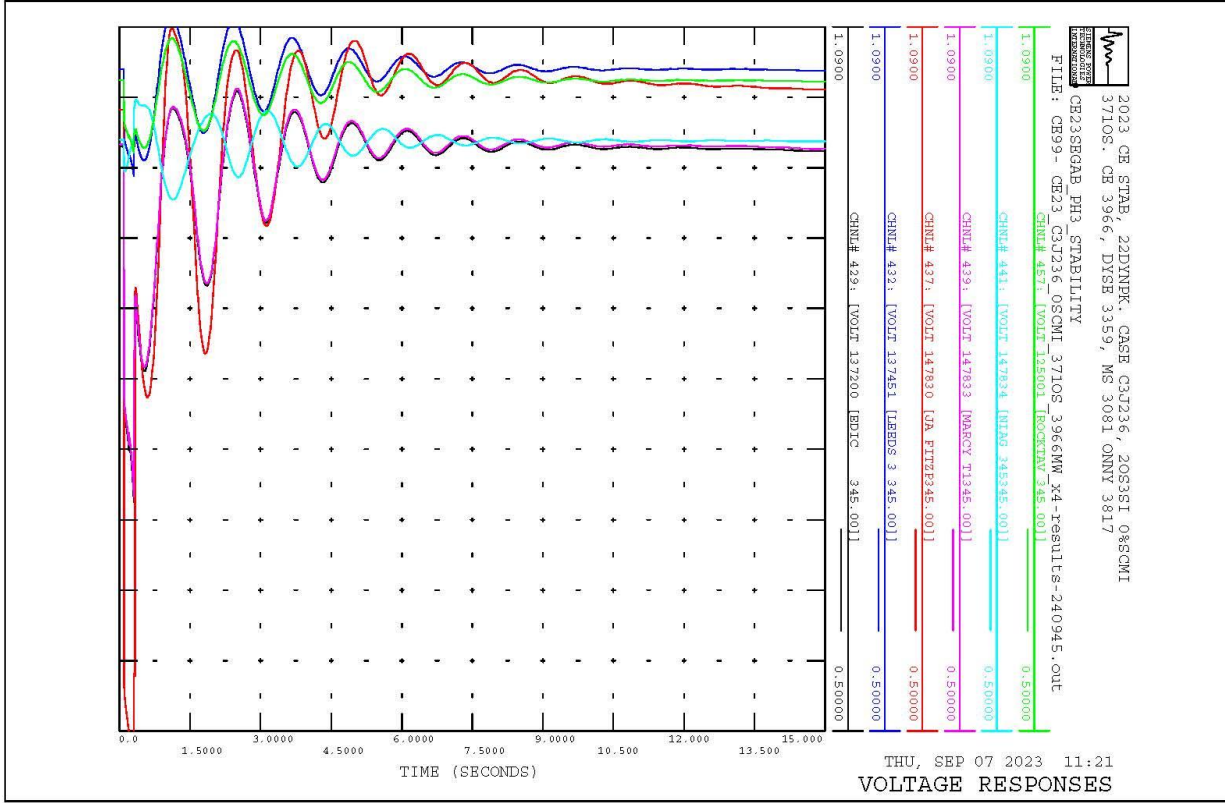
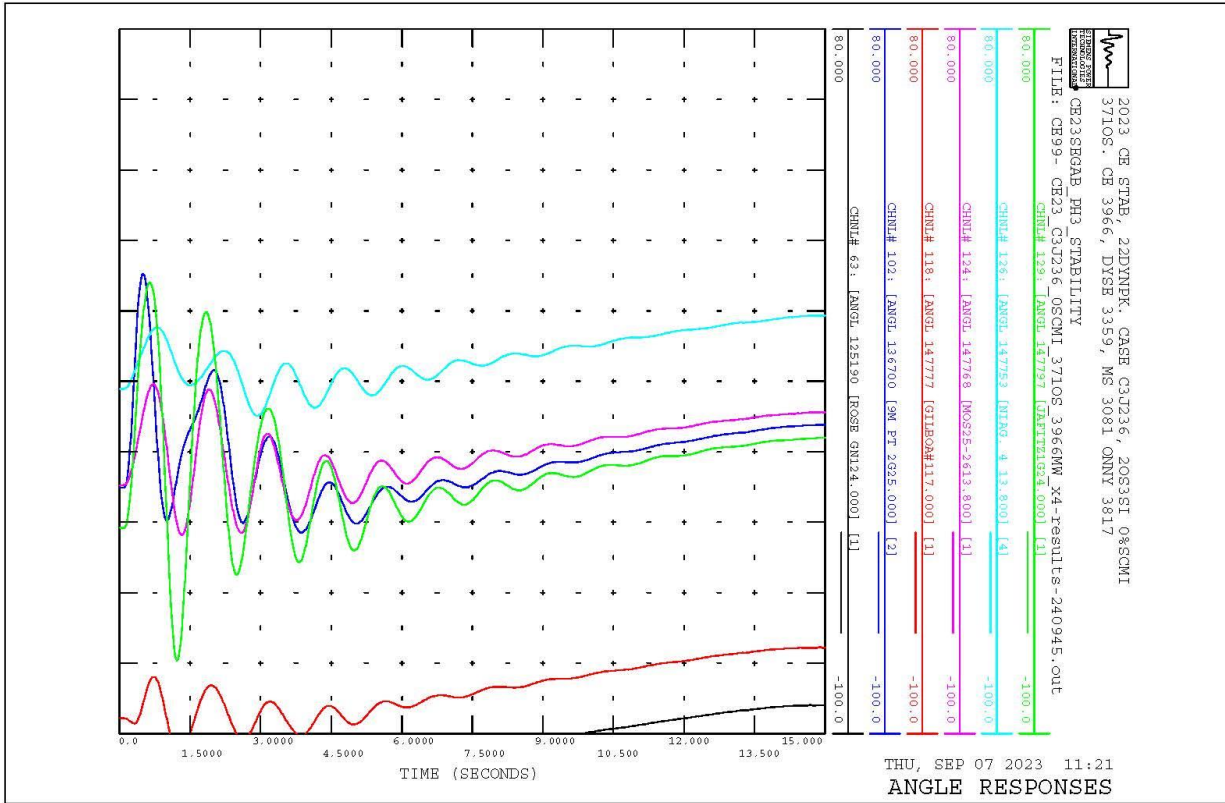


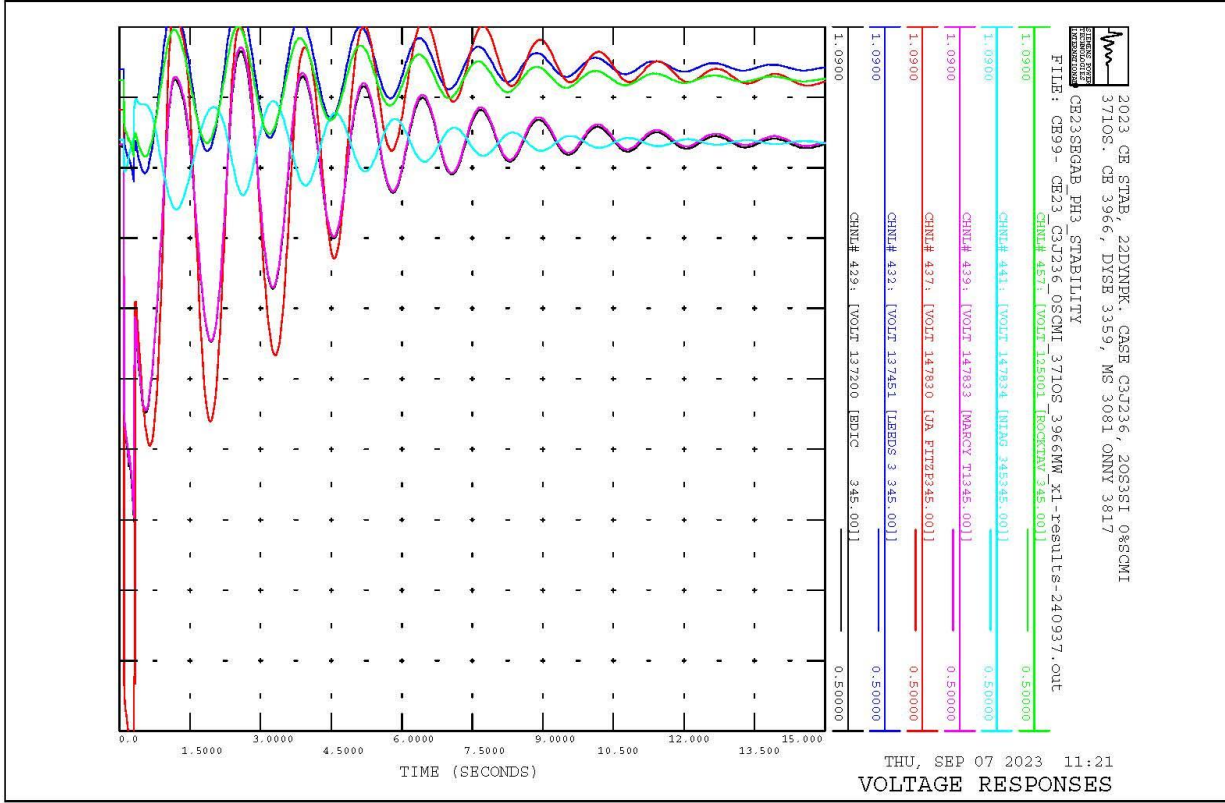
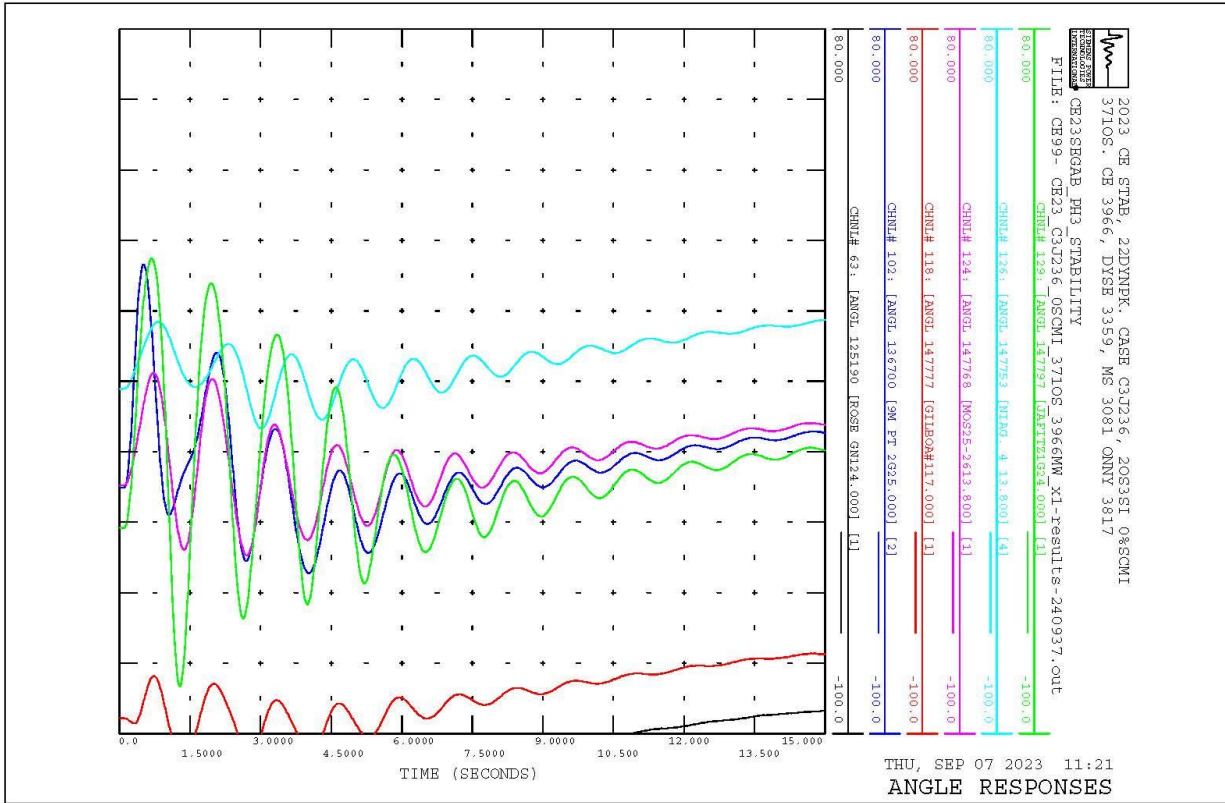


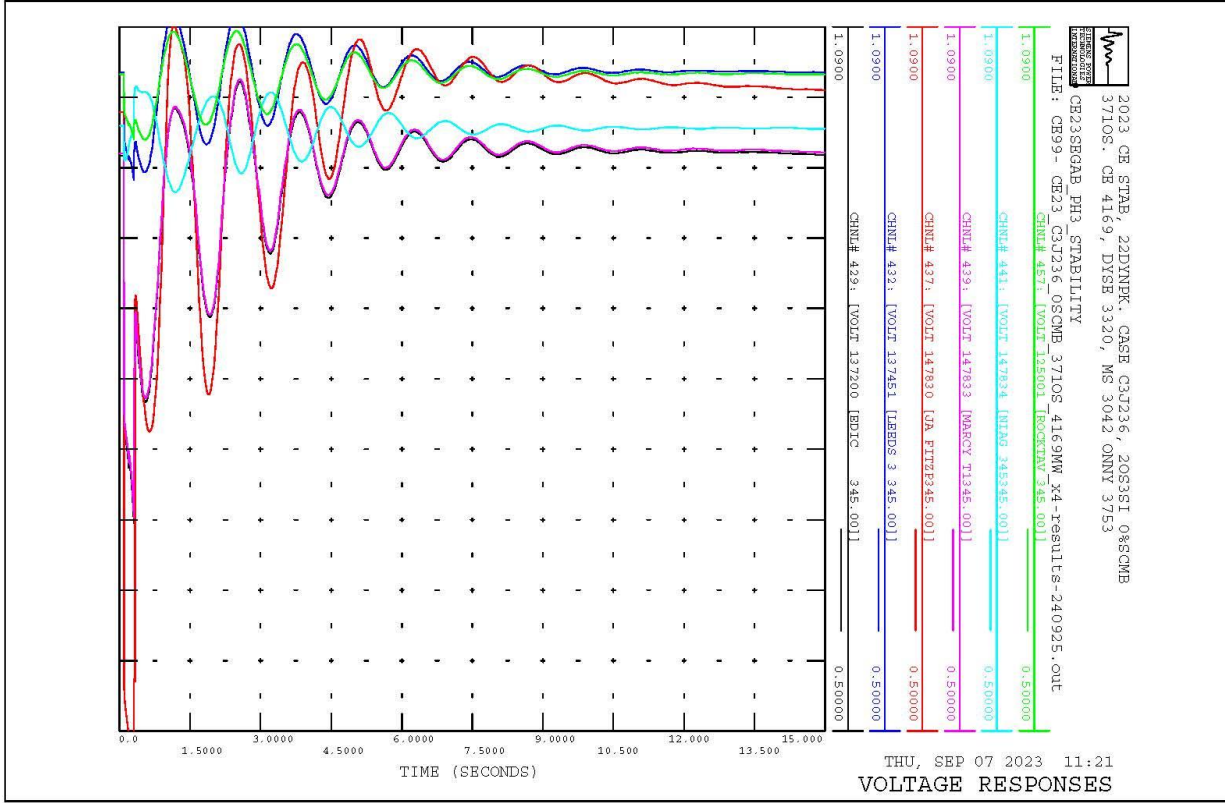
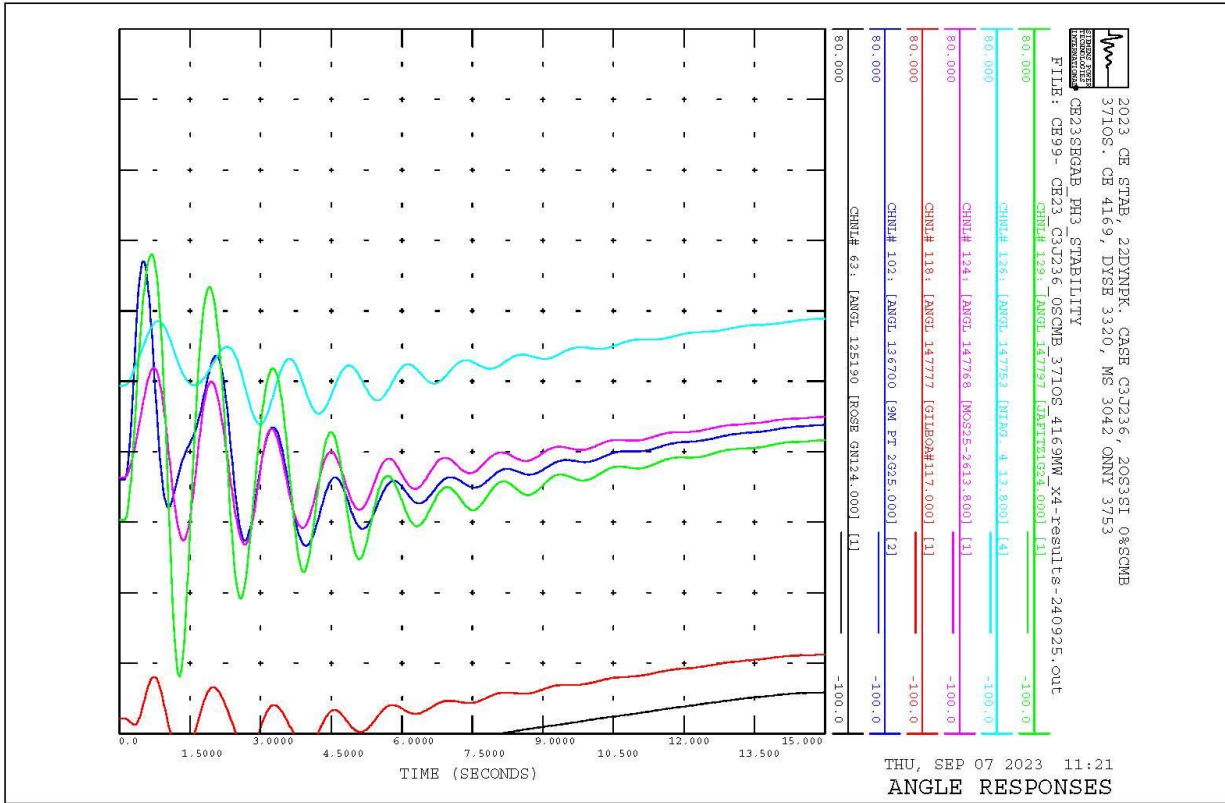


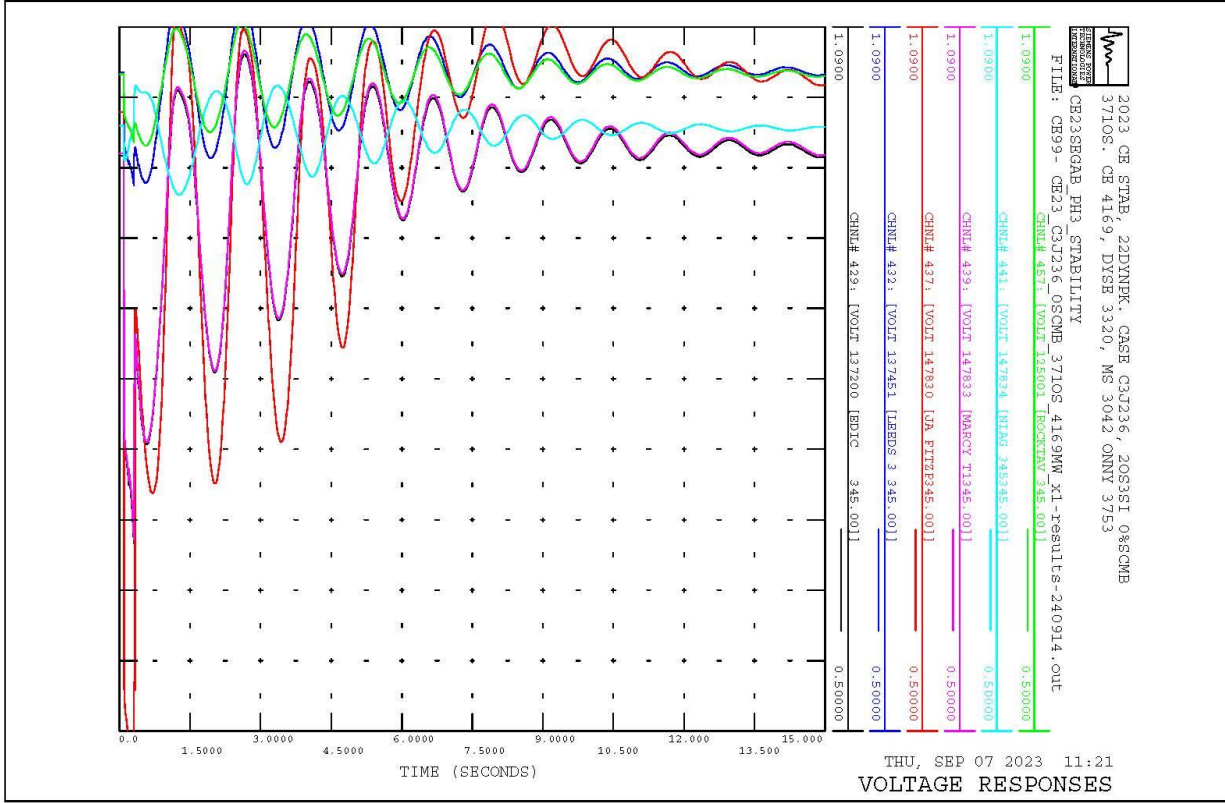
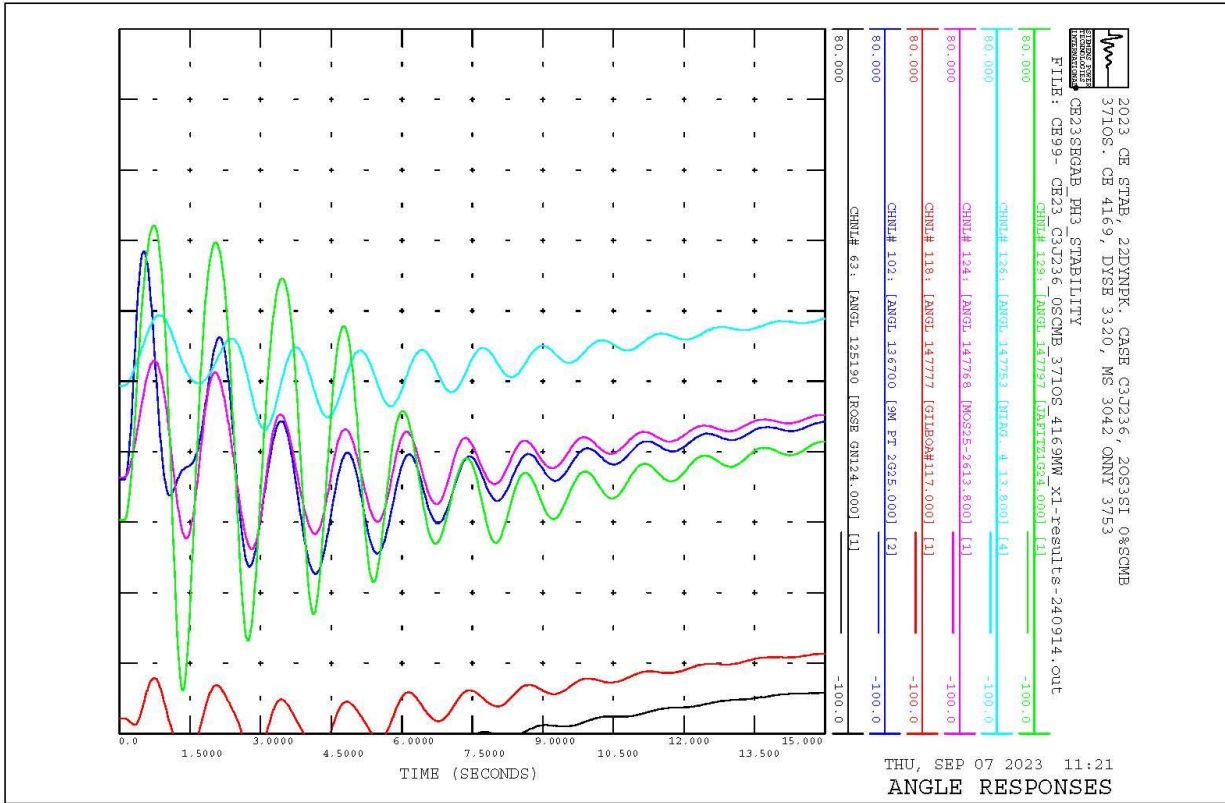


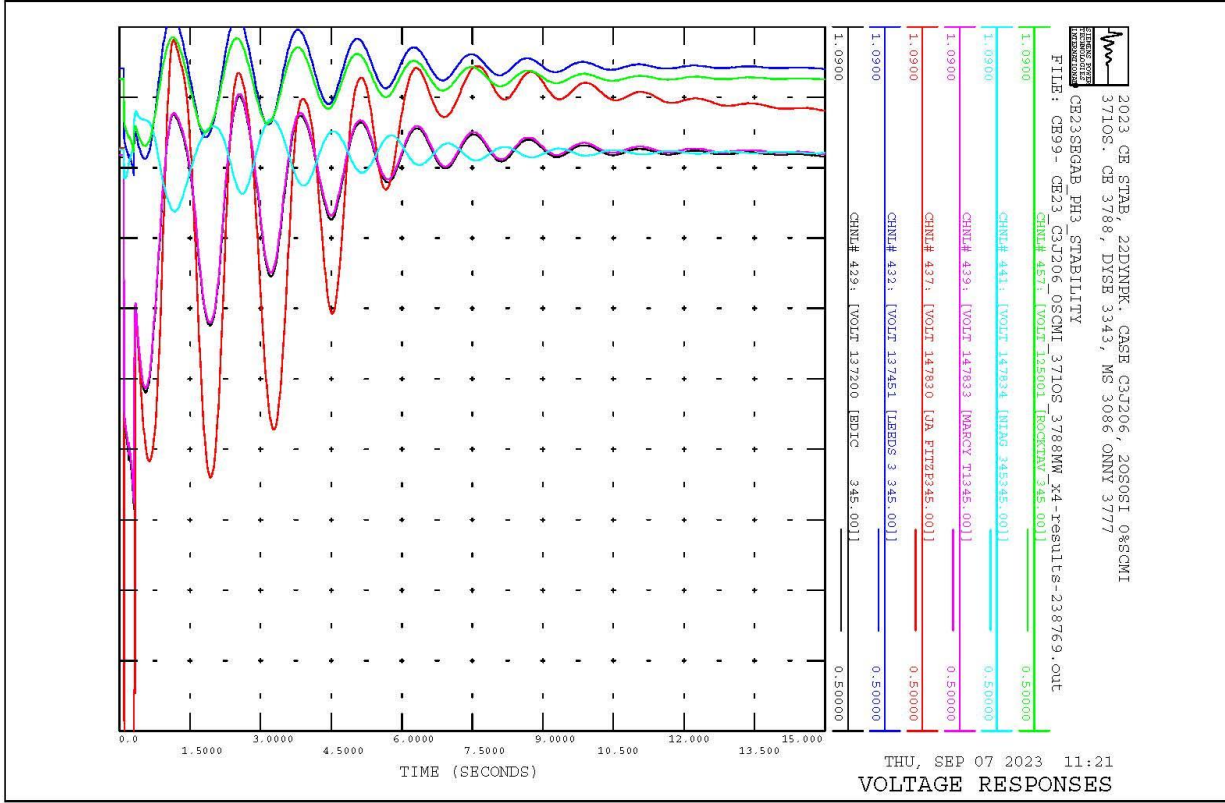
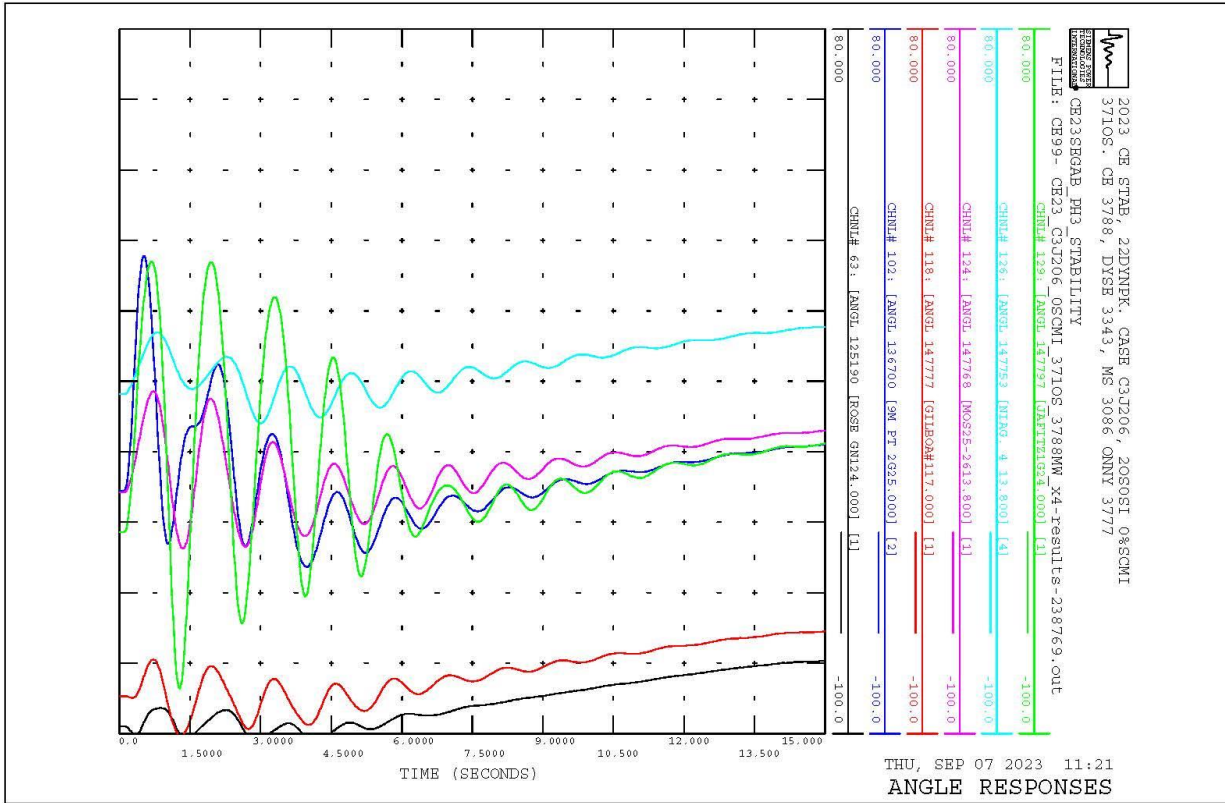


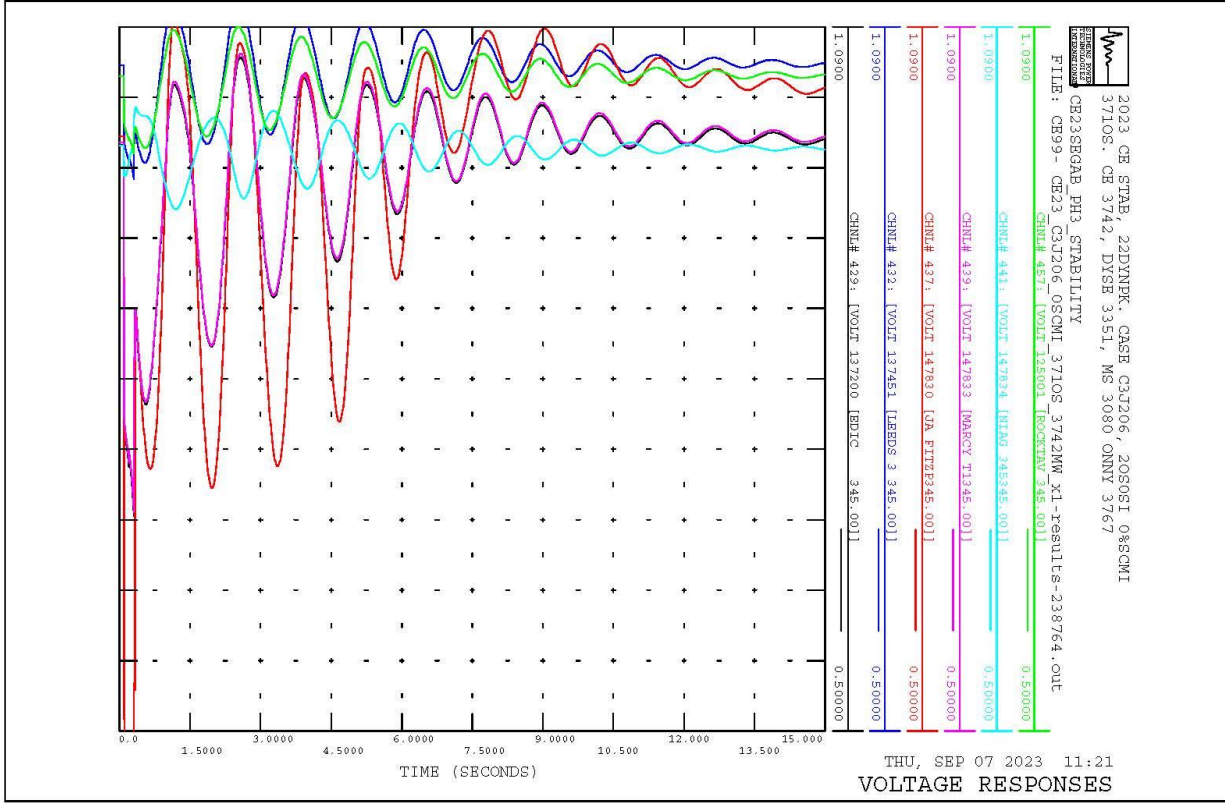
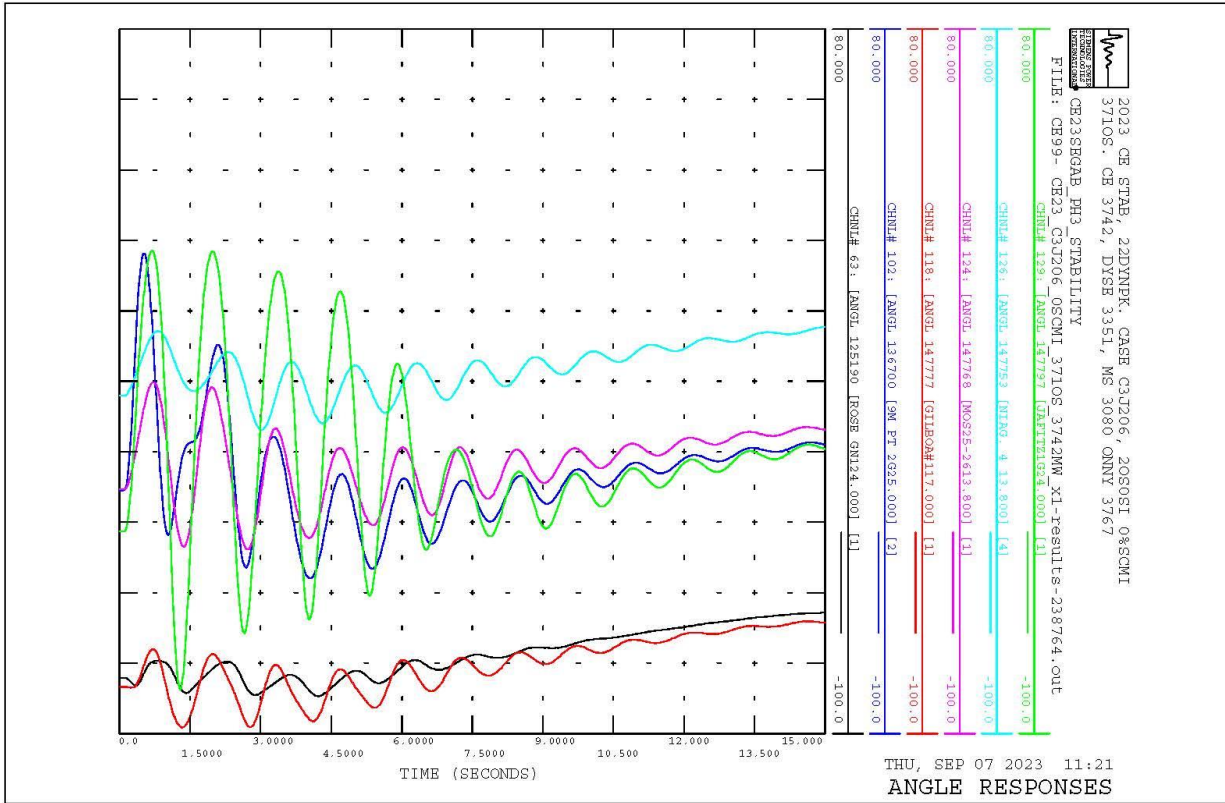


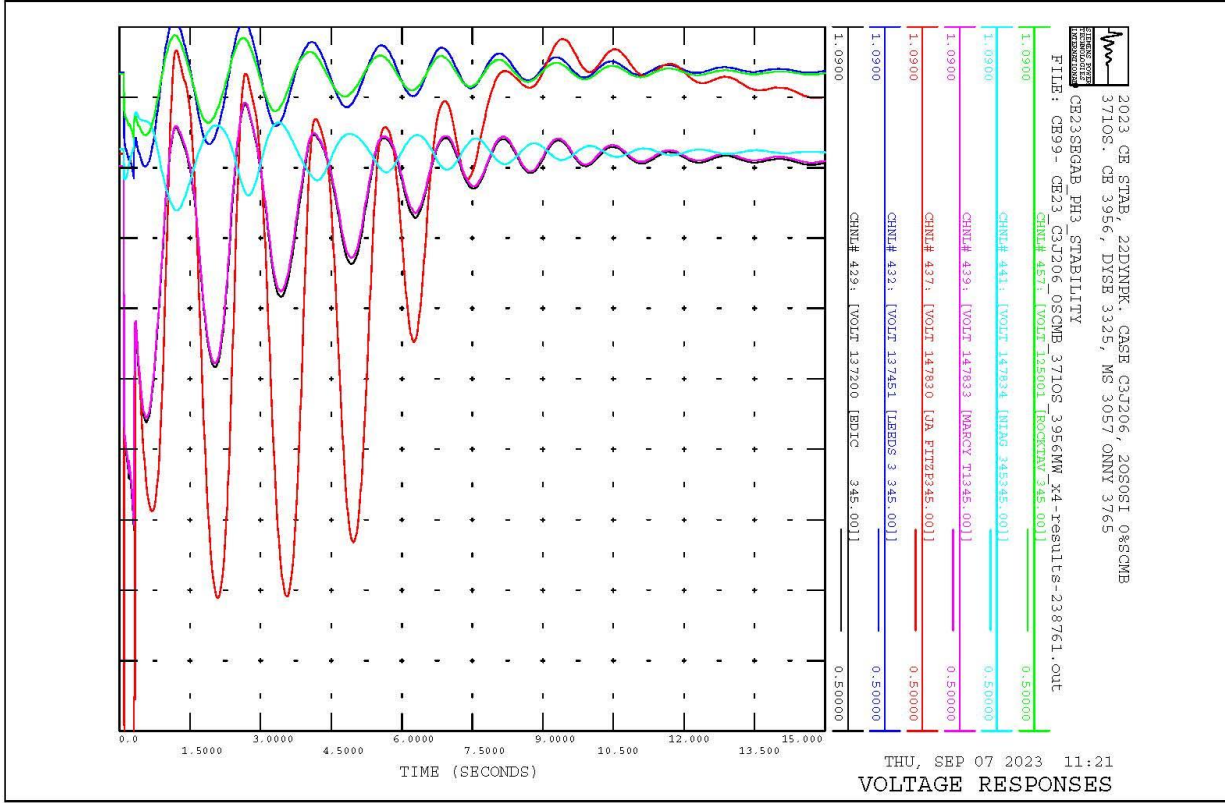
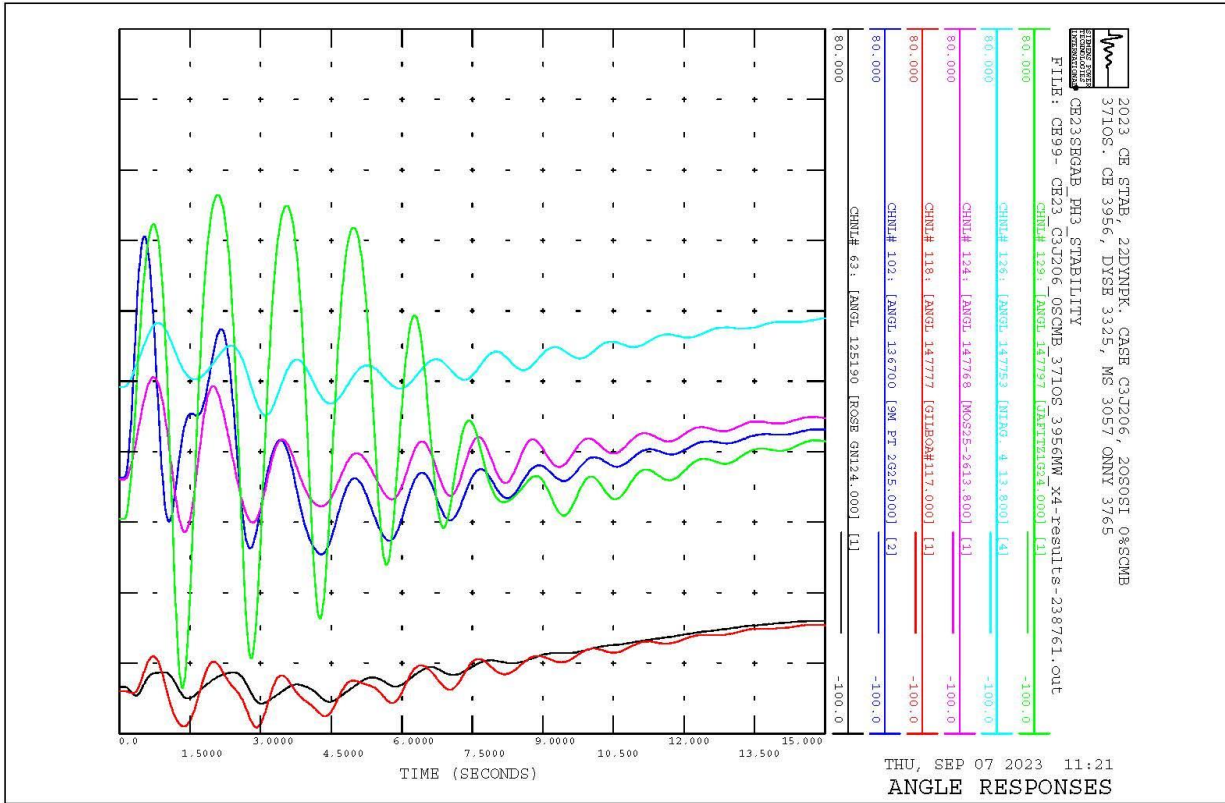


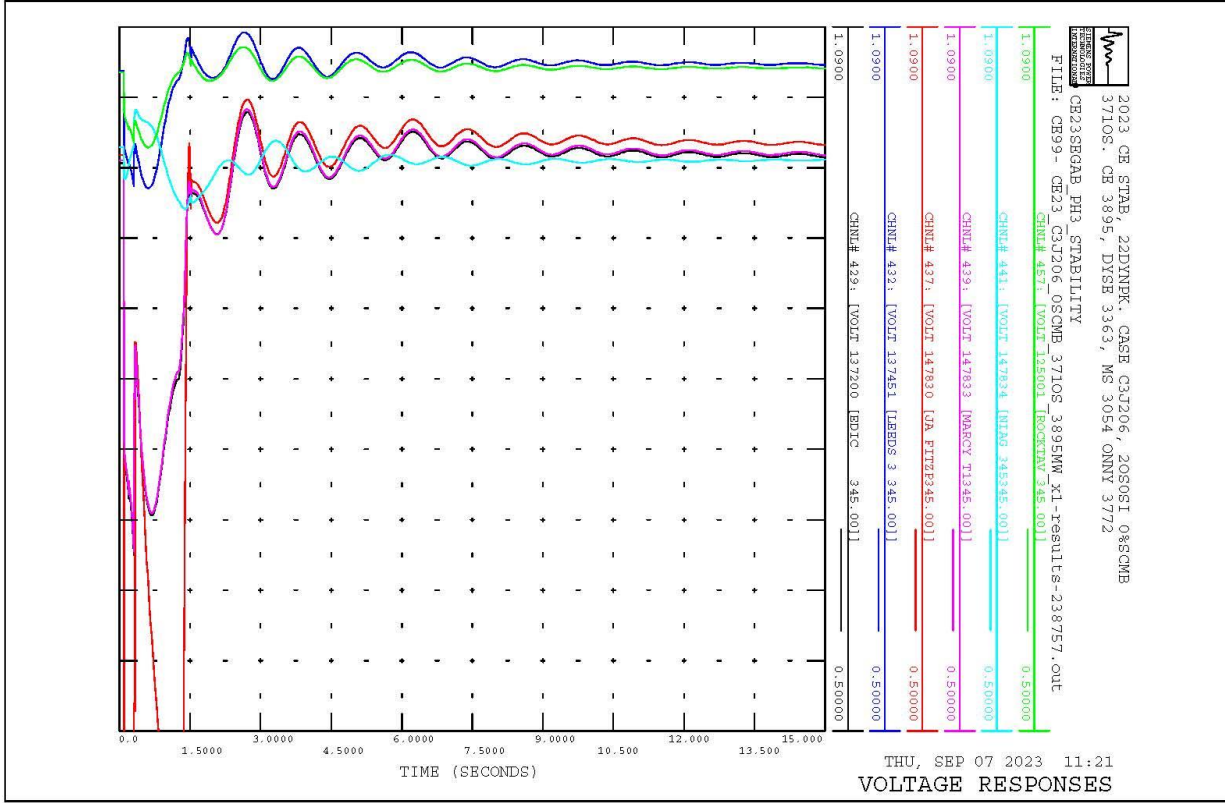
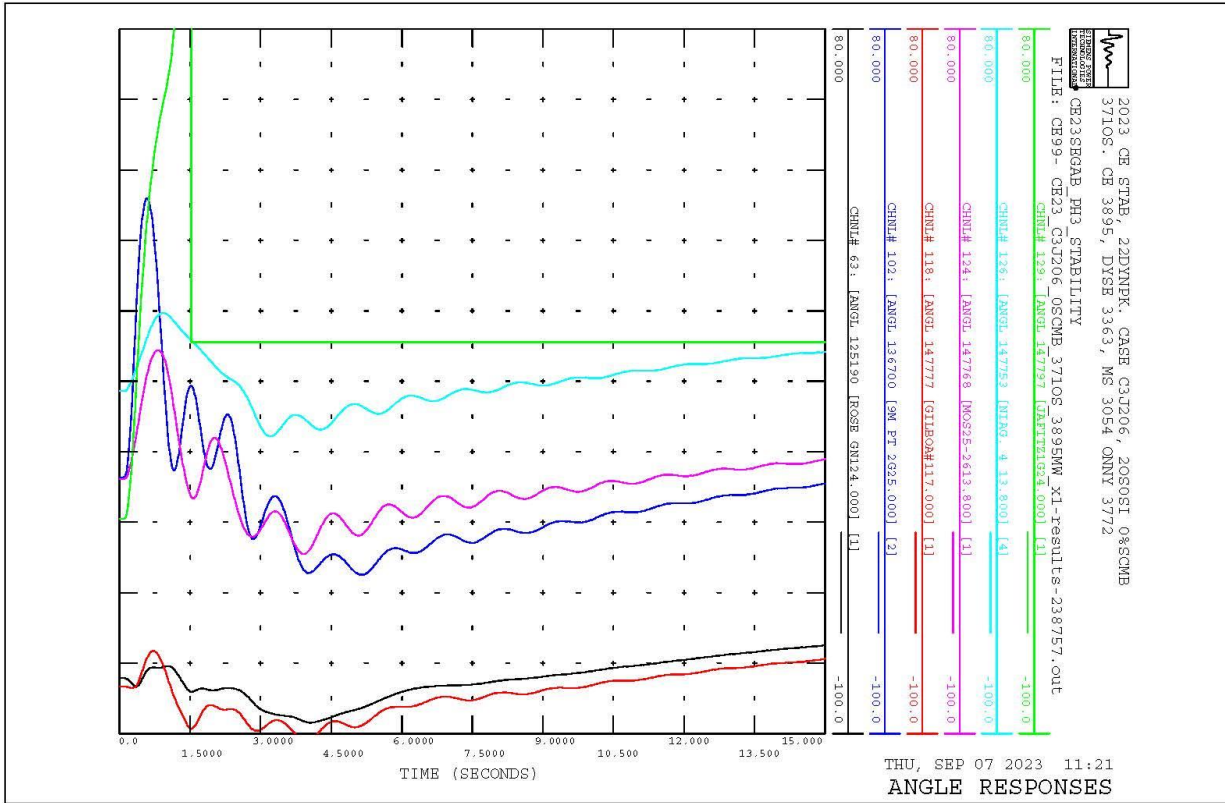


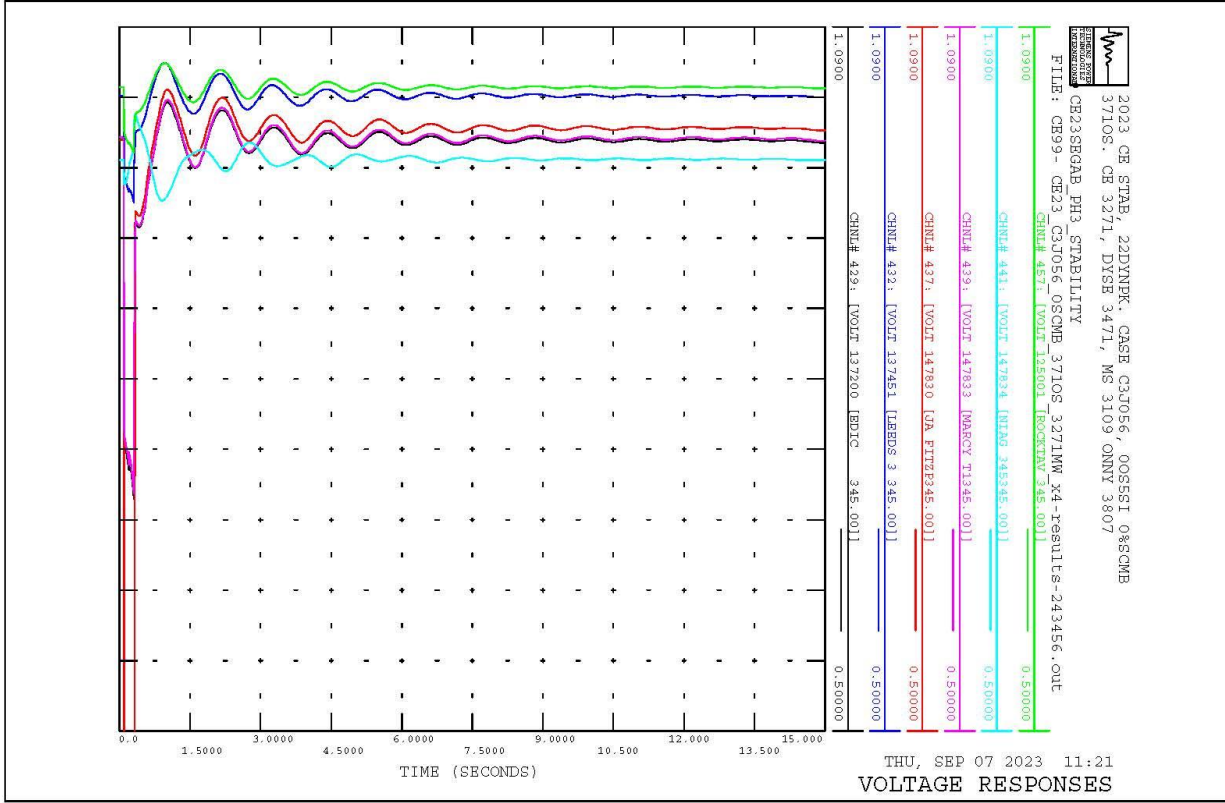
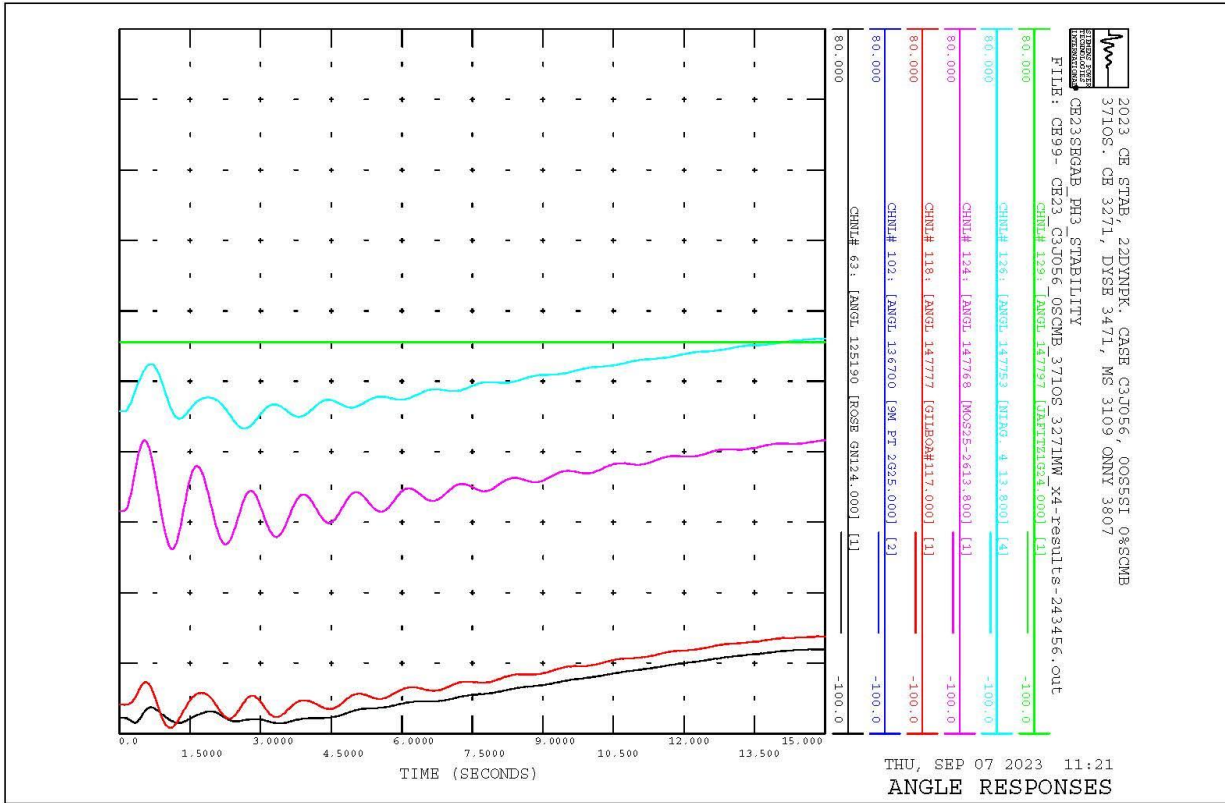


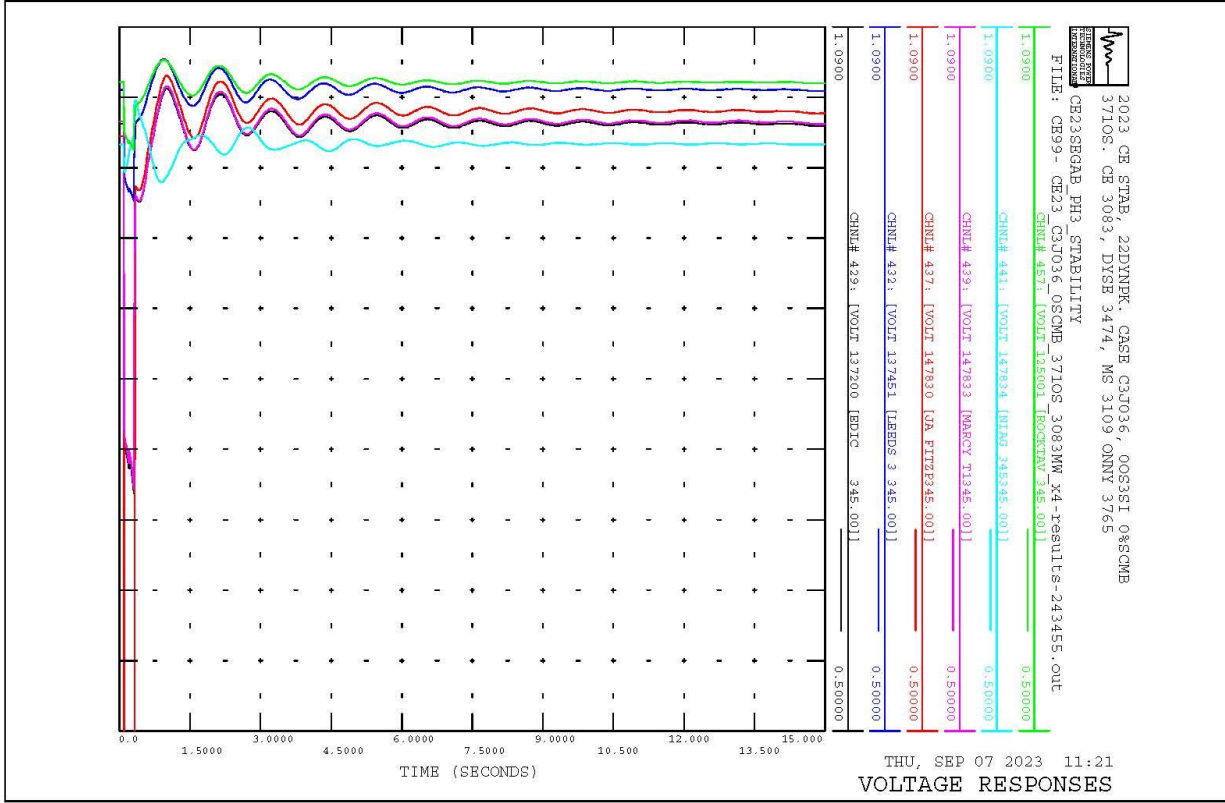
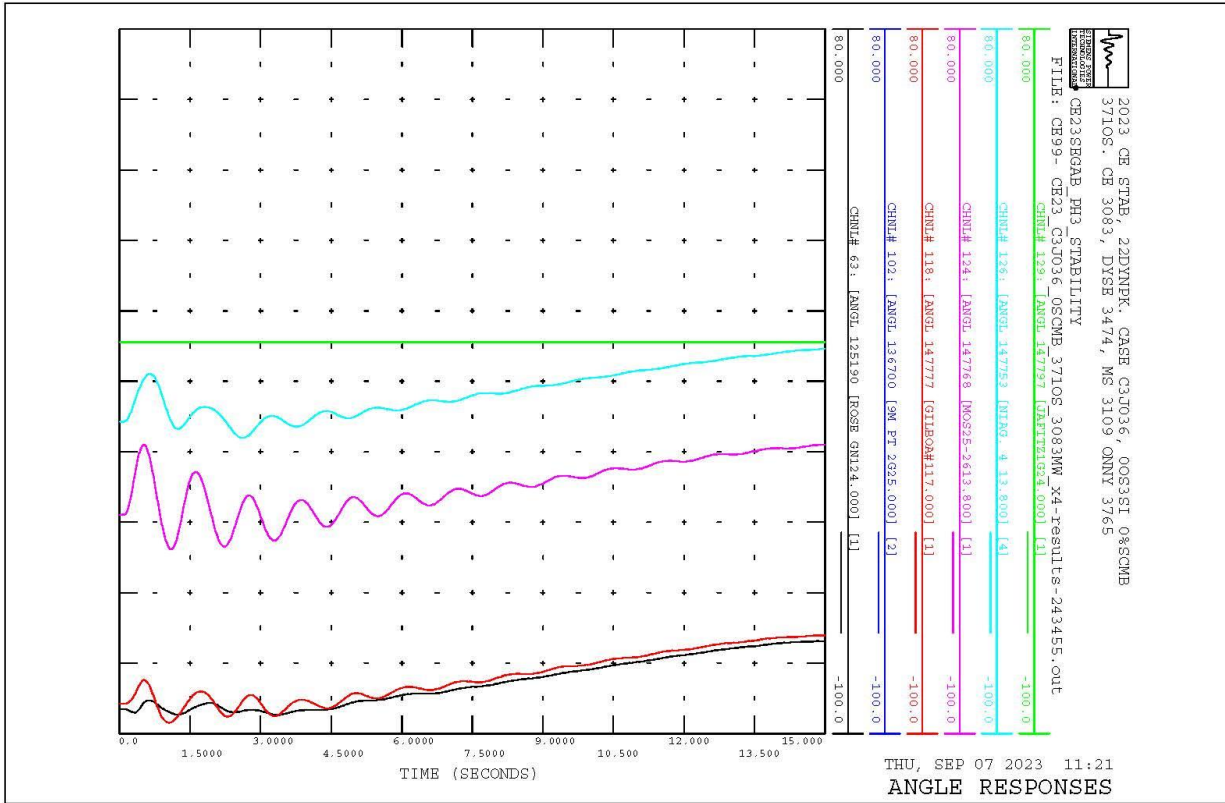


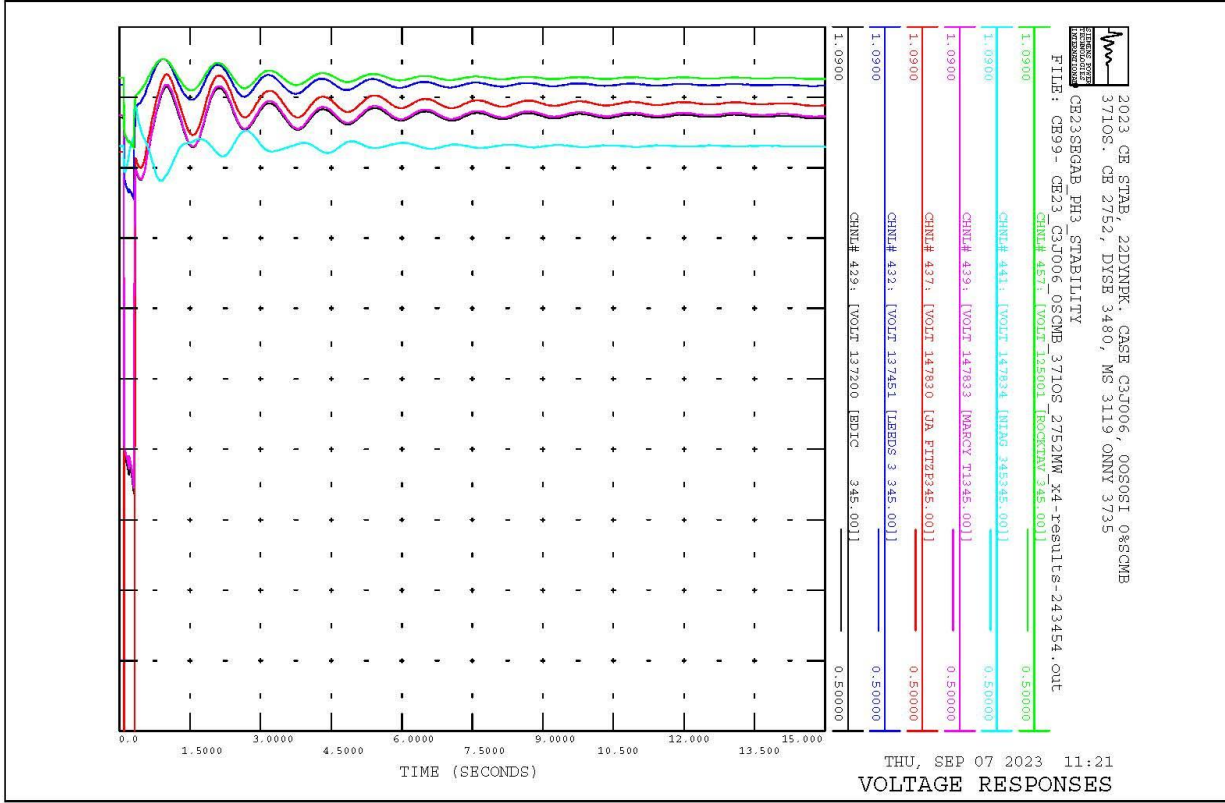
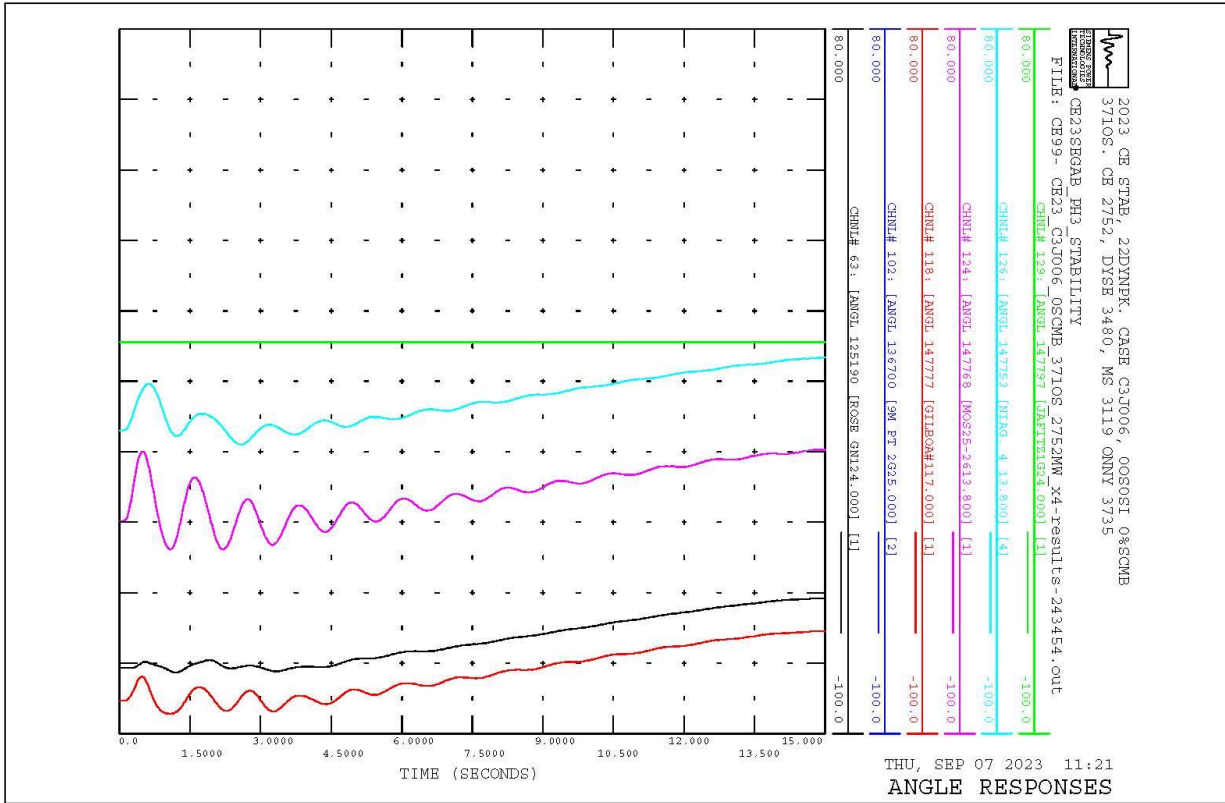












Appendix G: Edic – Princetown (351) 345 kV Out of Service

