

ANEXO 5

ANÁLISIS QV
ESCENARIO DE DEMANDA ALTA
(LARGO PLAZO)

PESIN
2022

TOMO III



CASO DE REFERENCIA

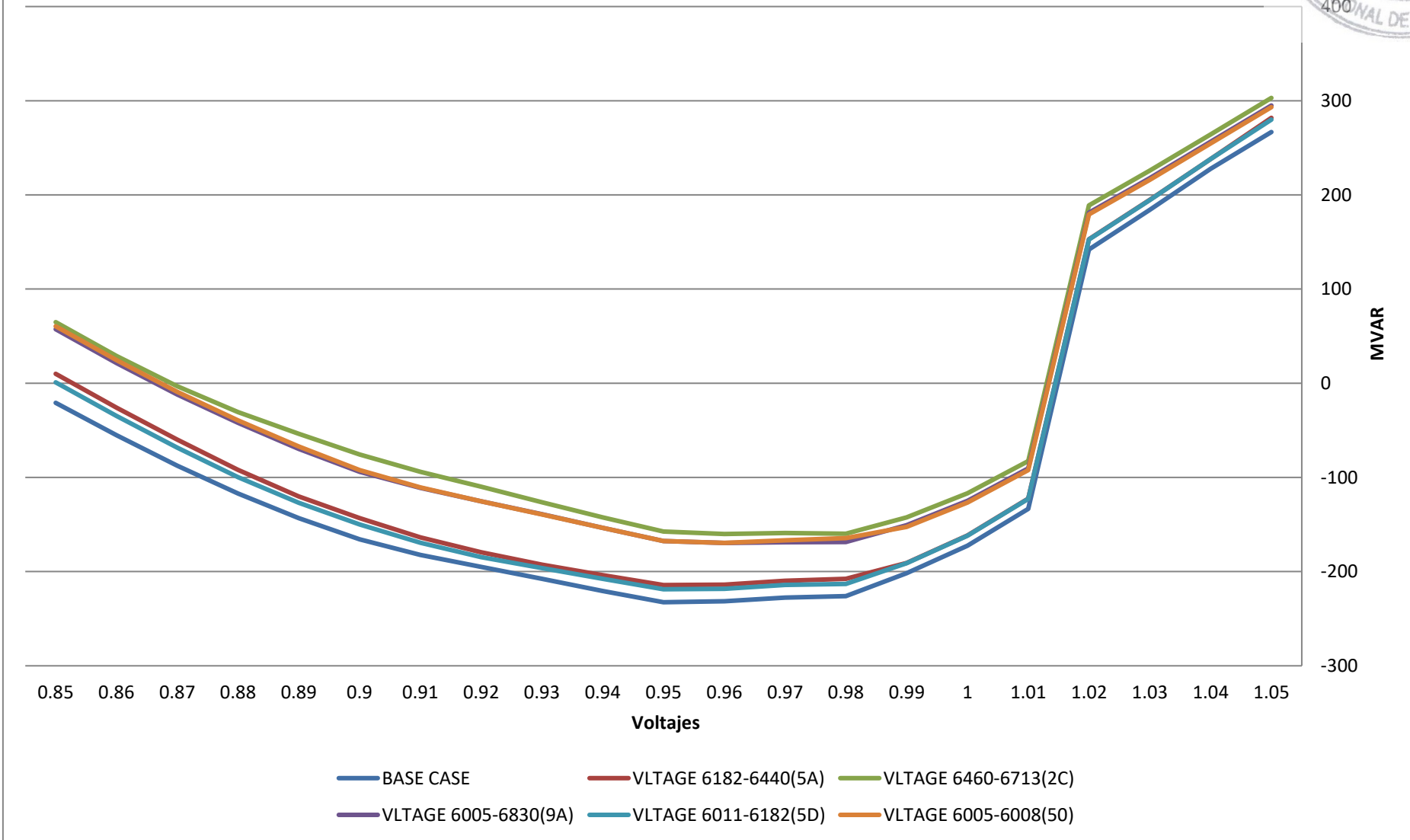
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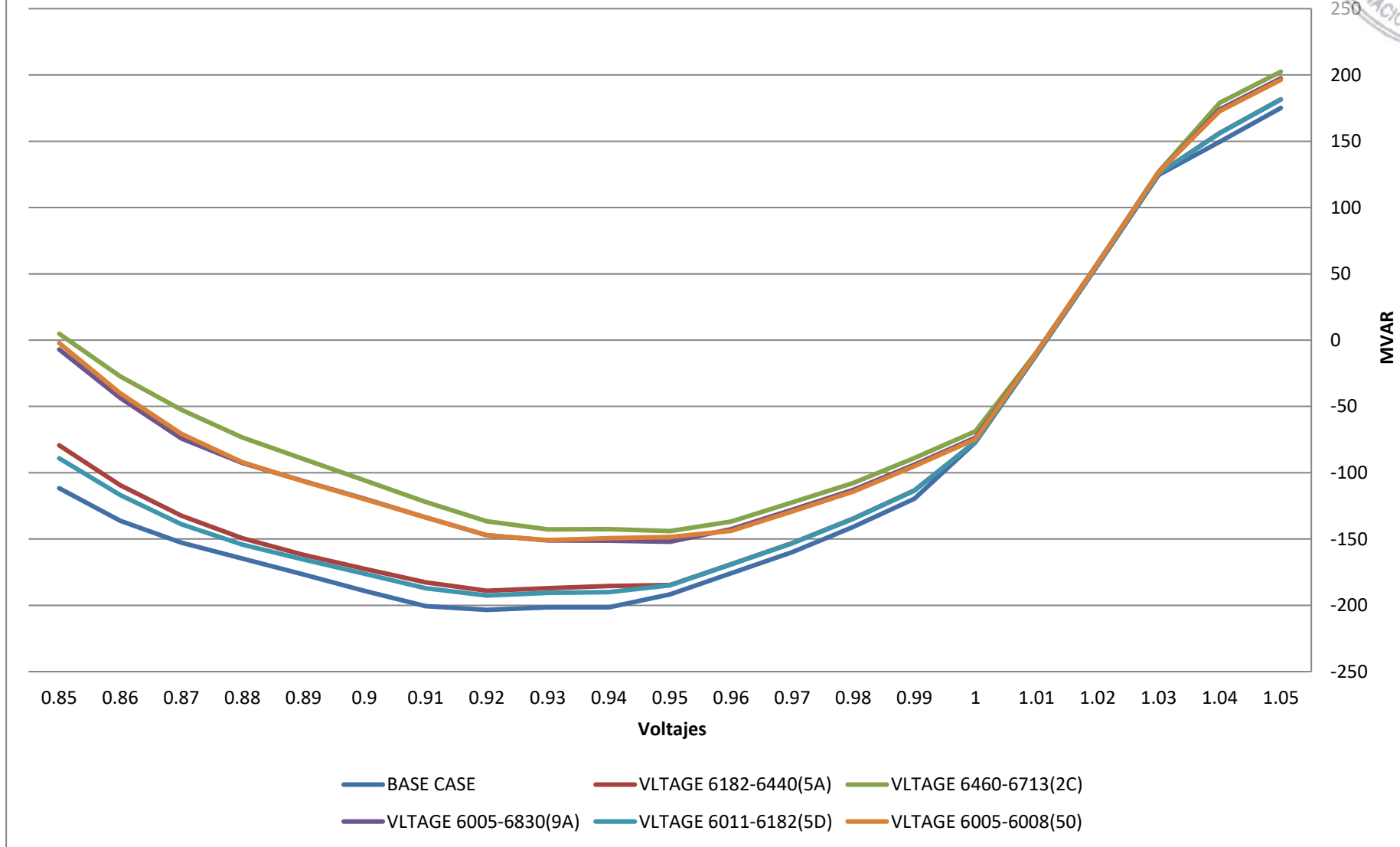
2025 LLUVIOSA

AB

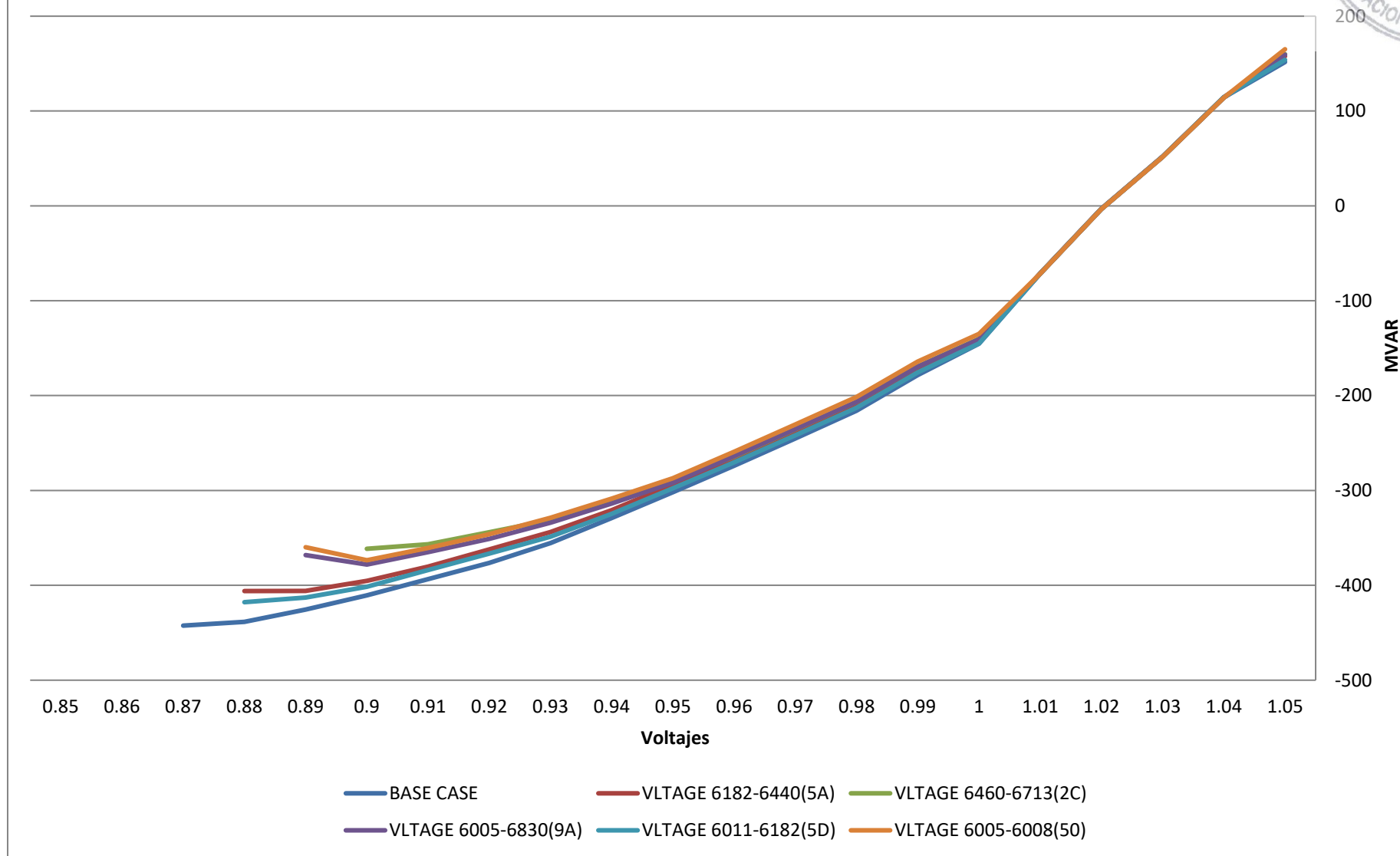
2025CA_ModMax_Lluv 6001



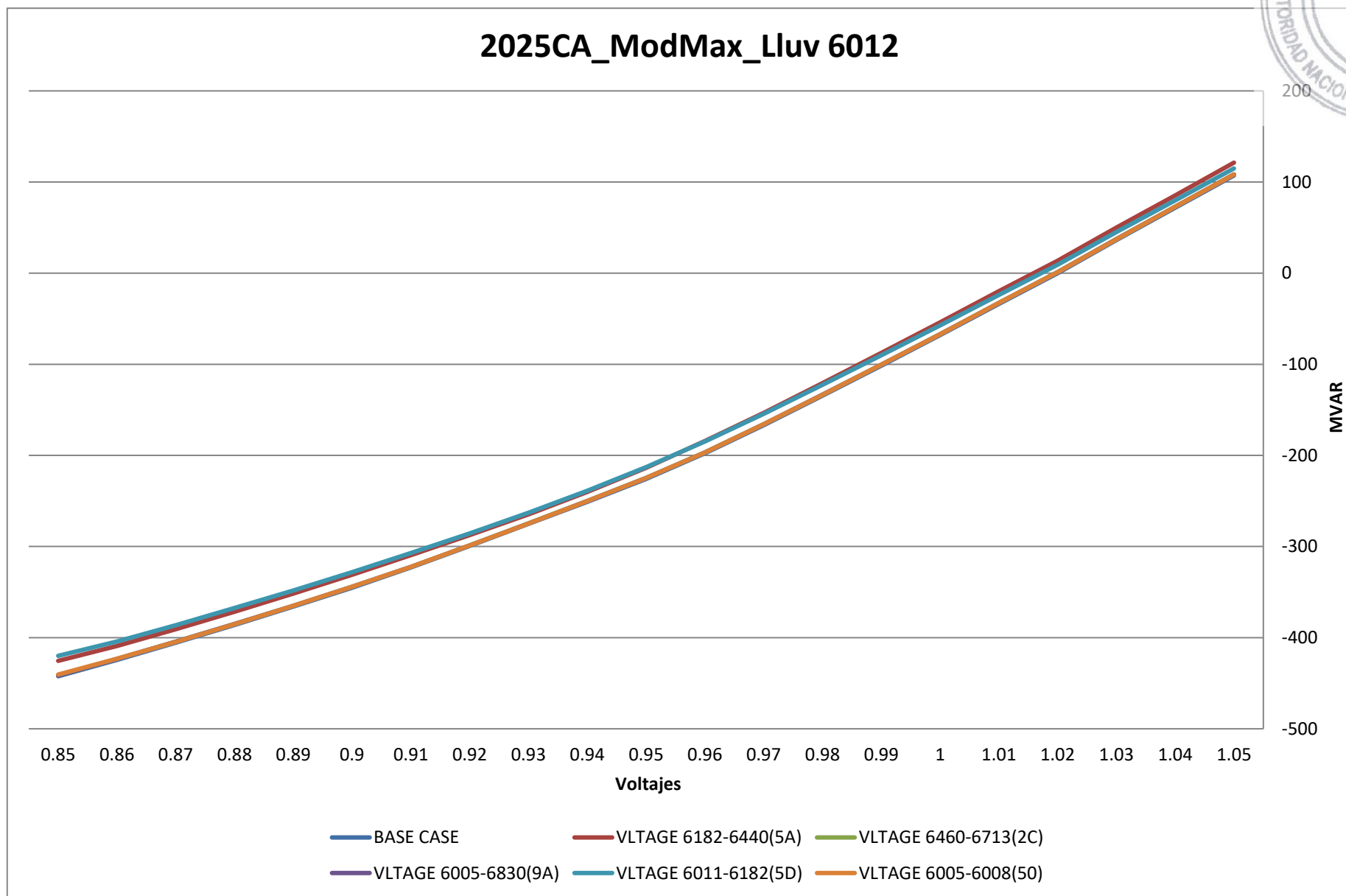
2025CA_ModMax_Lluv 6004



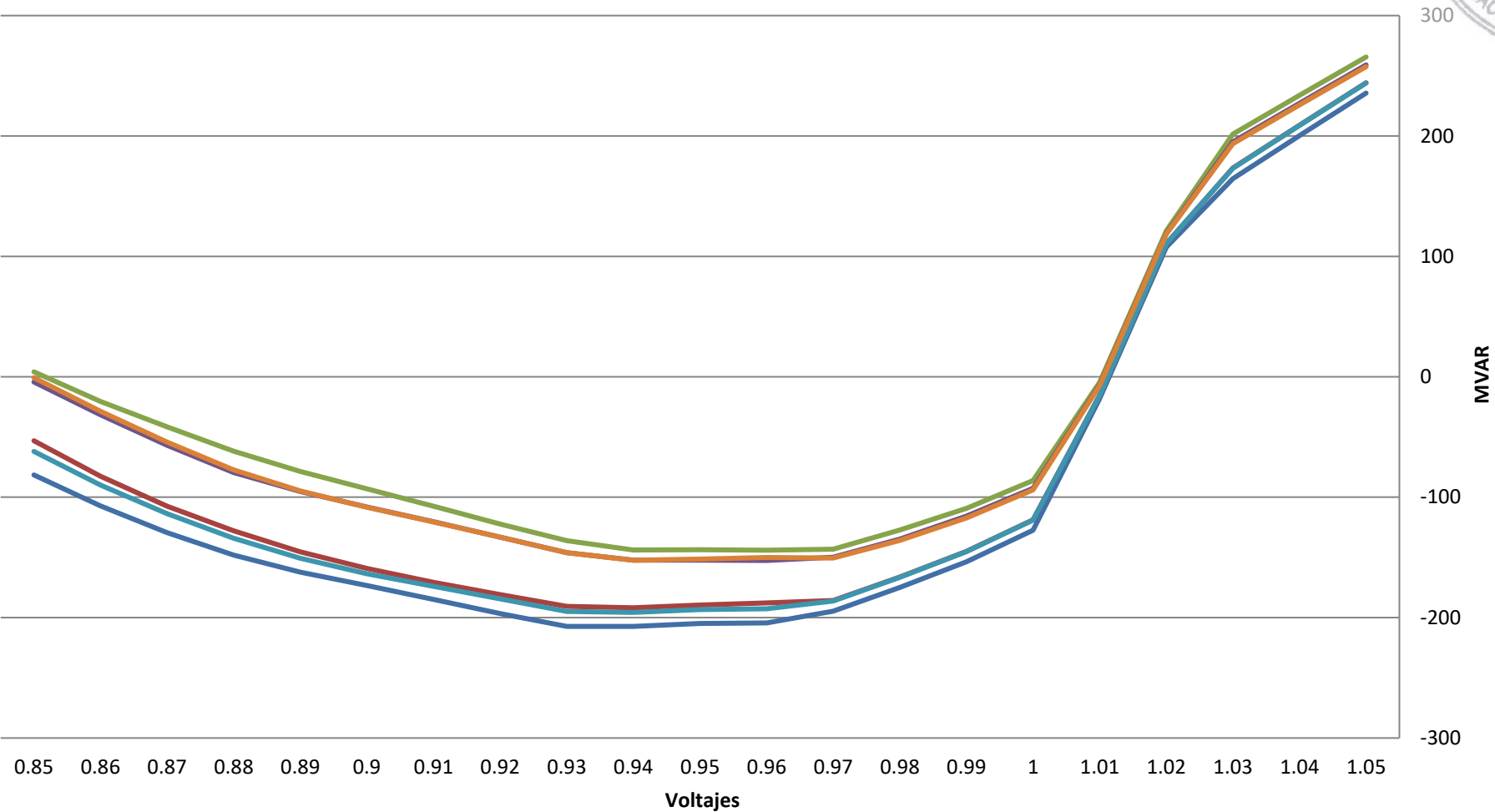
2025CA_ModMax_Lluv 6009



2025CA_ModMax_Lluv 6012

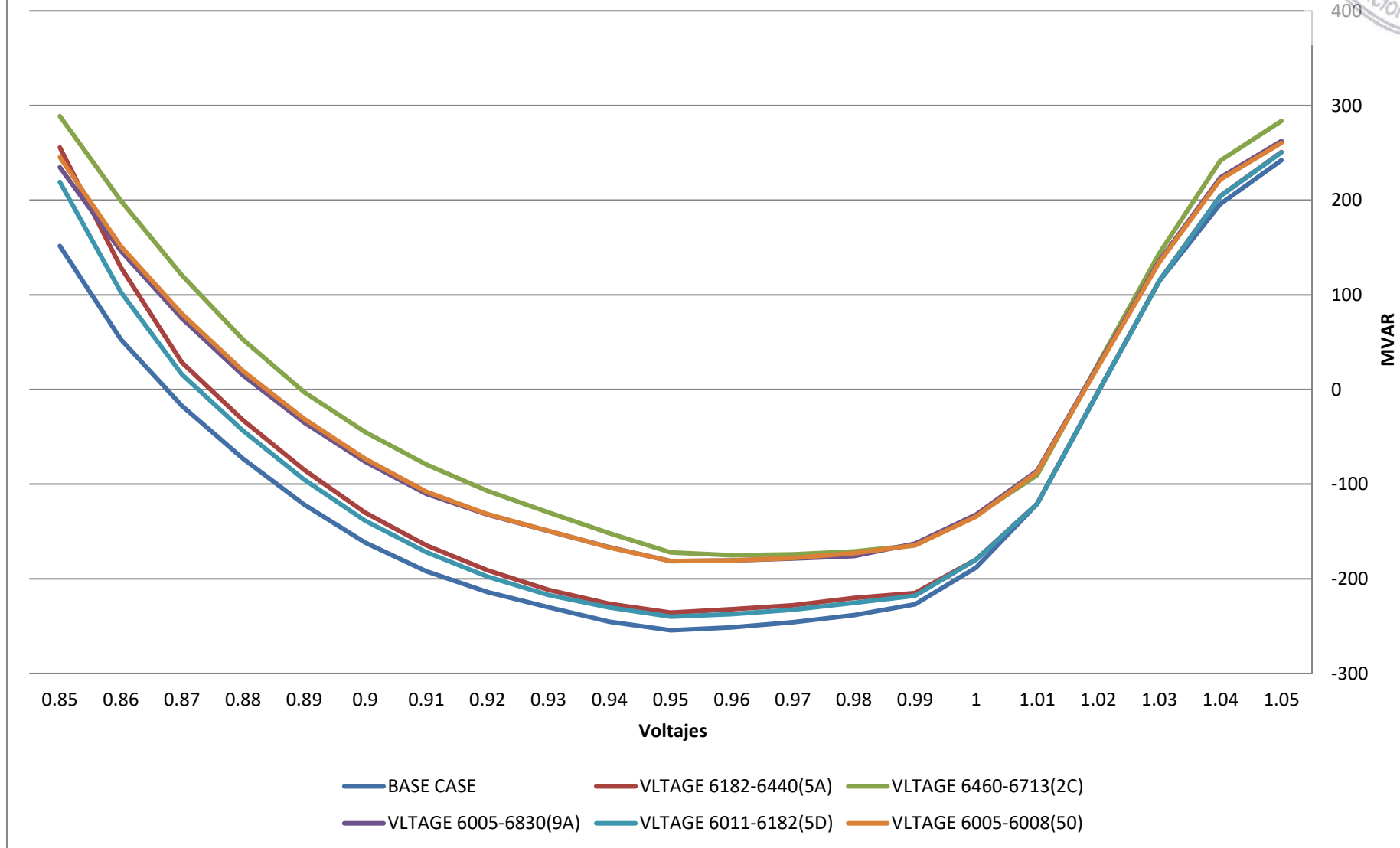


2025CA_ModMax_Lluv 6002



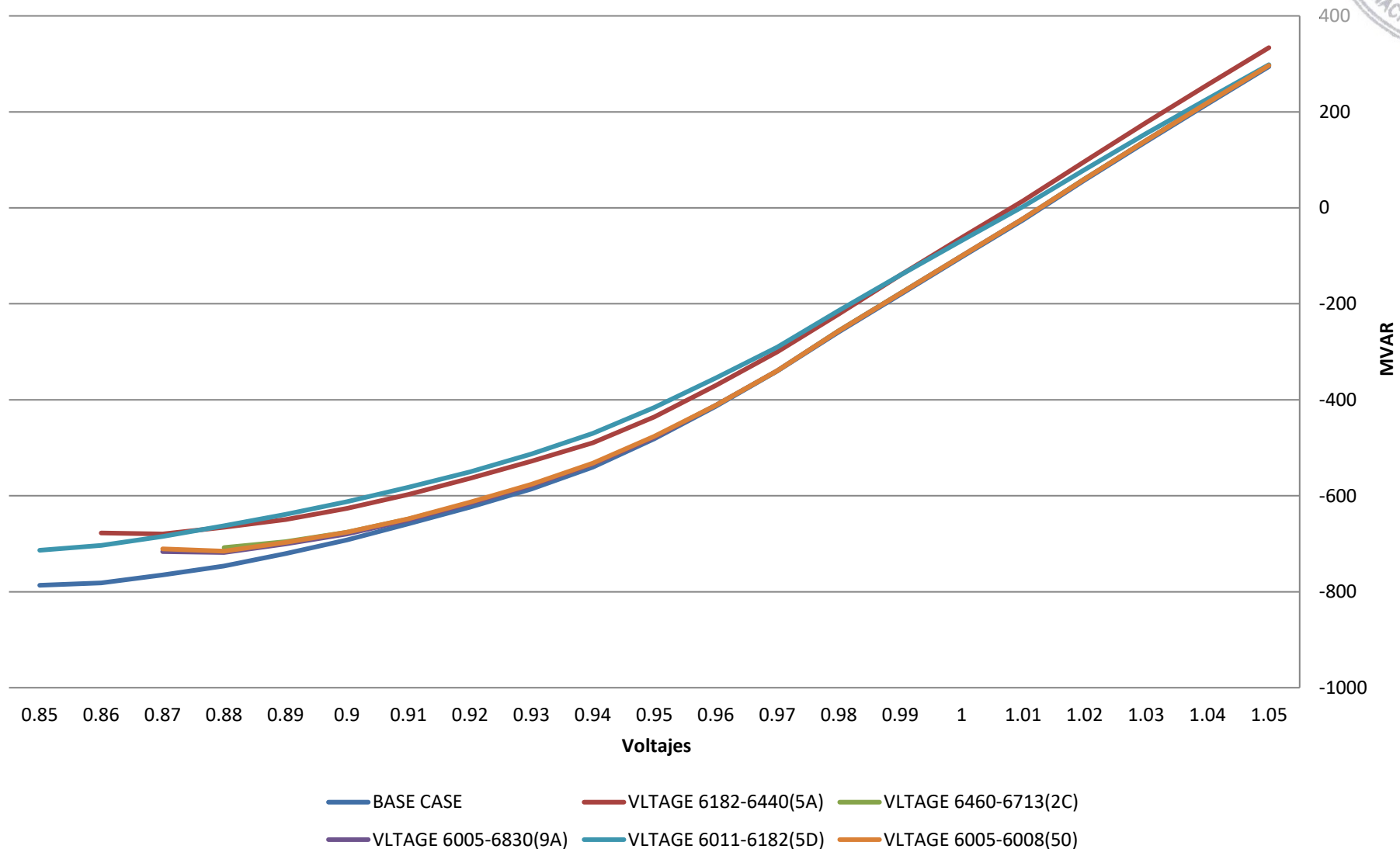
BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A) VLTAGE 6011-6182(5D) VLTAGE 6005-6008(50)

2025CA_ModMax_Lluv 6005





2025CA_ModMax_Lluv 6011



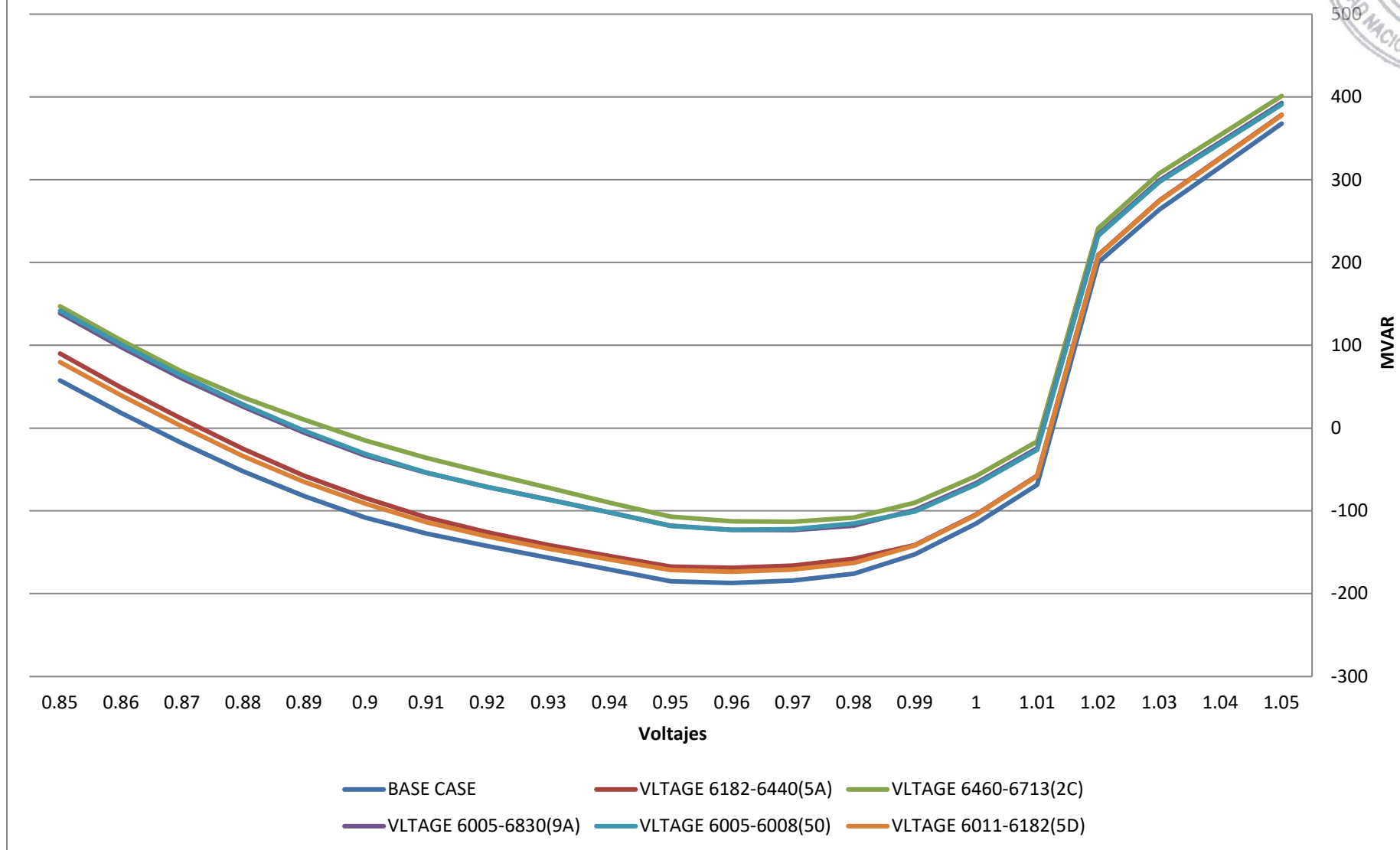
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2026 LLUVIOSA

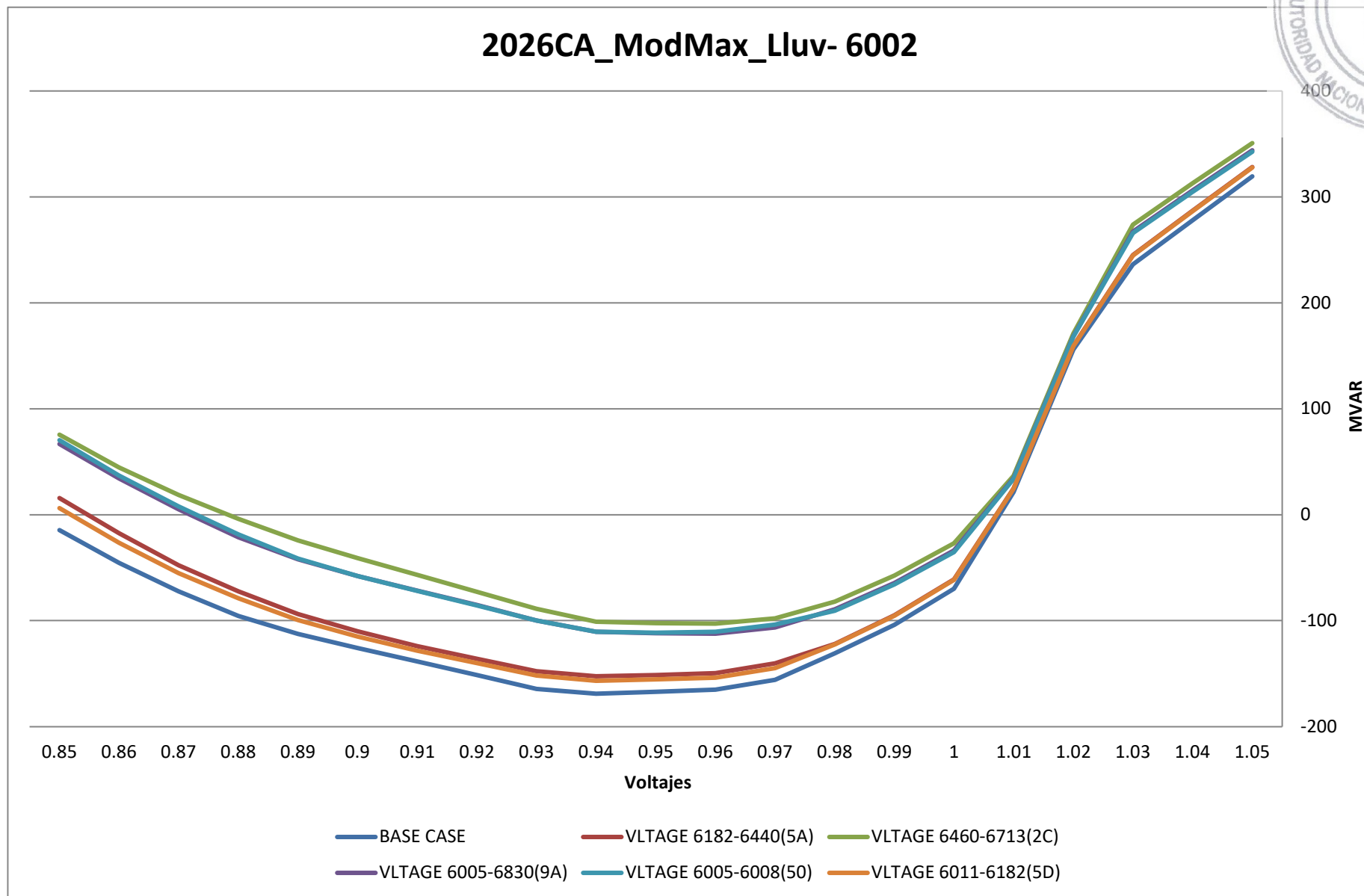
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2026CA_ModMax_Lluv- 6001



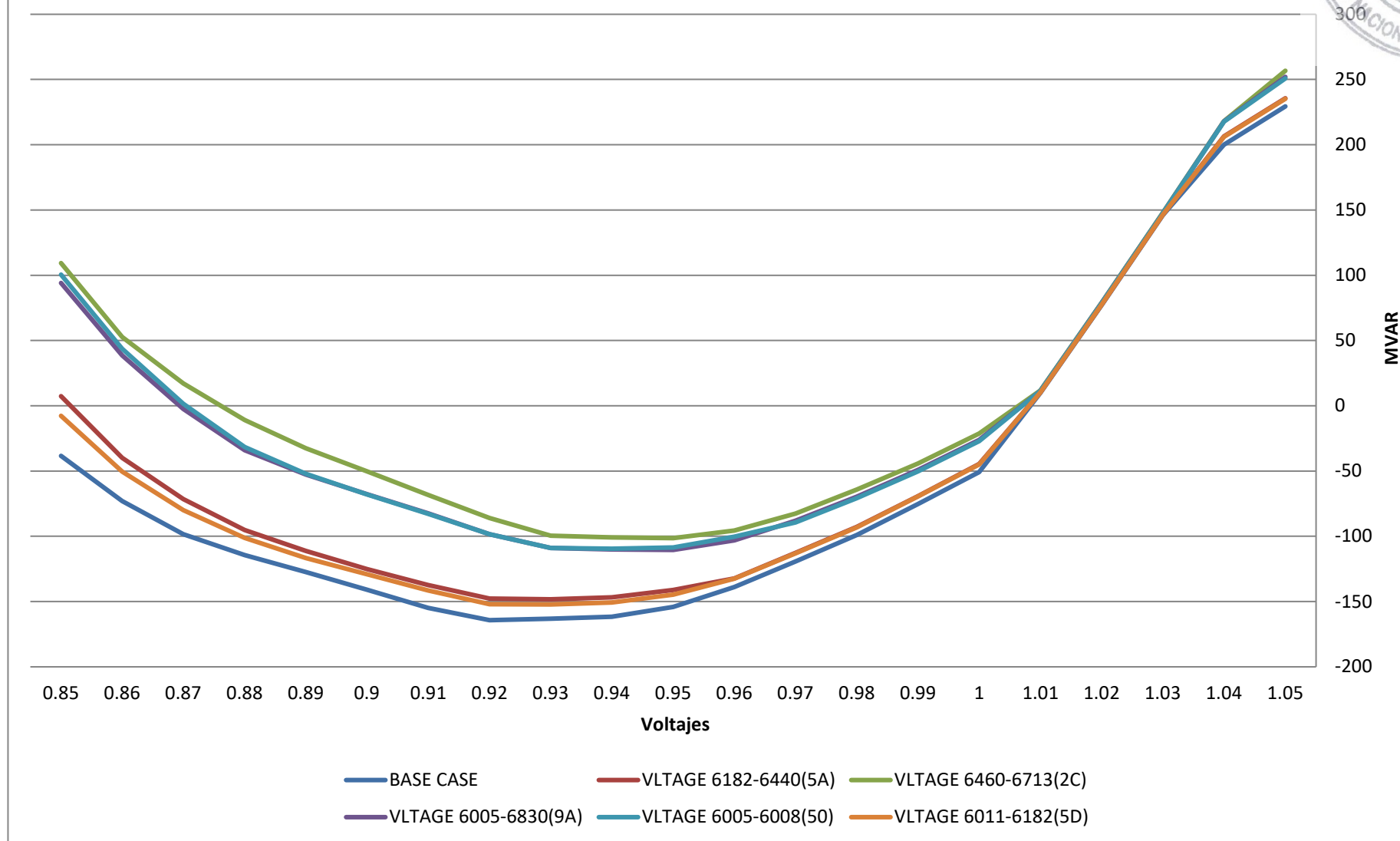


2026CA_ModMax_Lluv- 6002

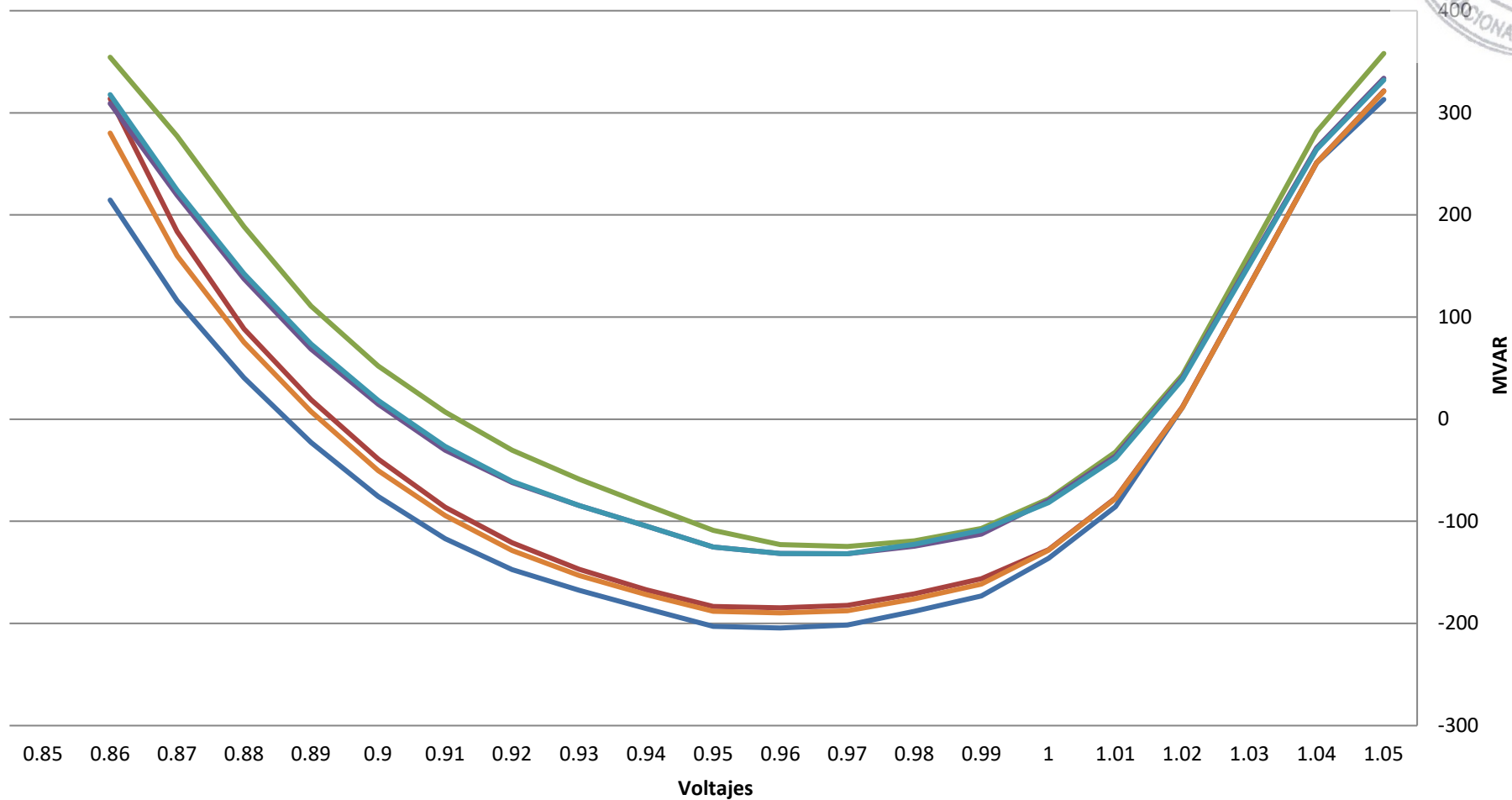


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2026CA_ModMax_Lluv- 6004

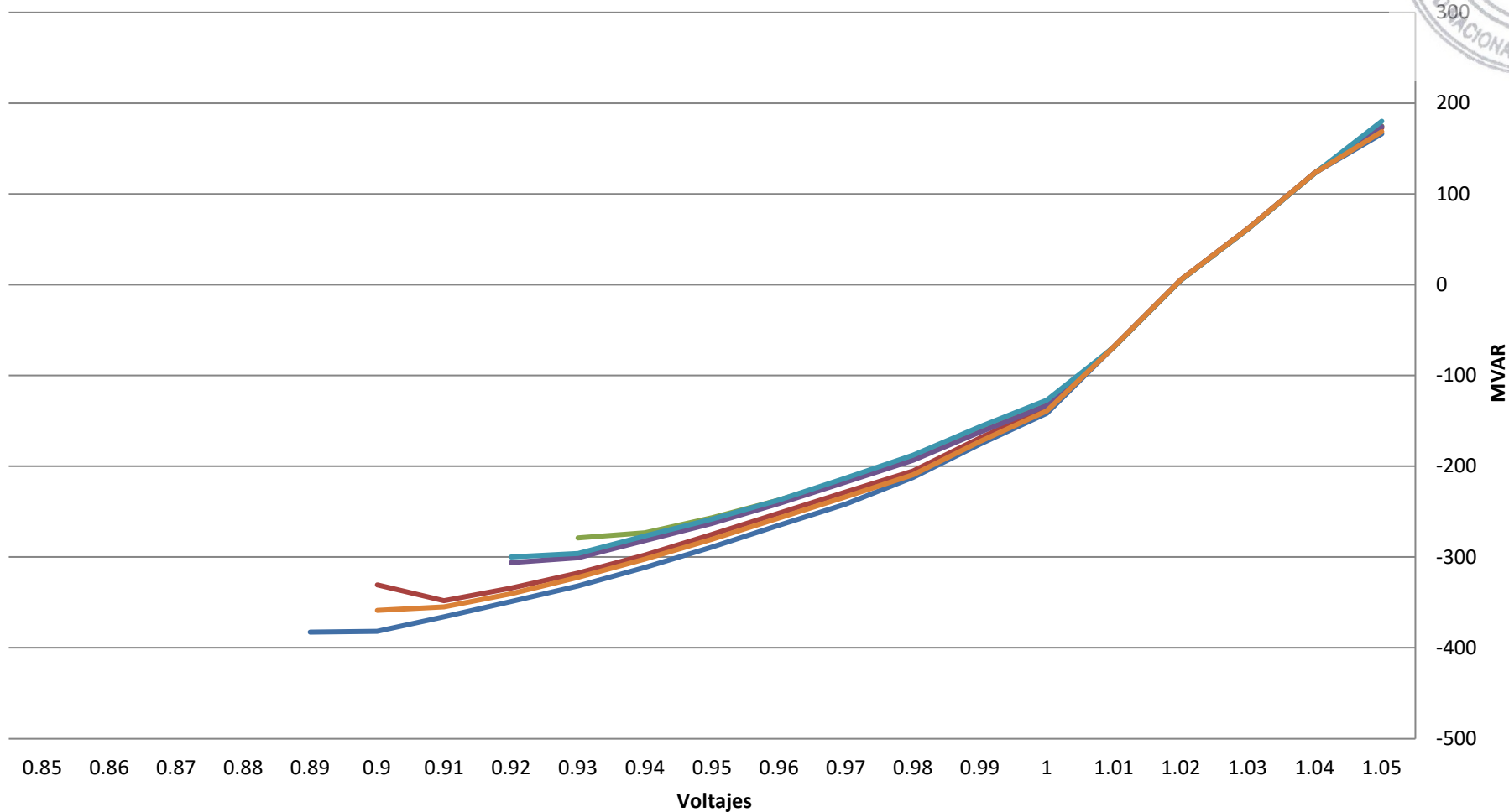


2026CA_ModMax_Lluv- 6005



BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6011-6182(5D)

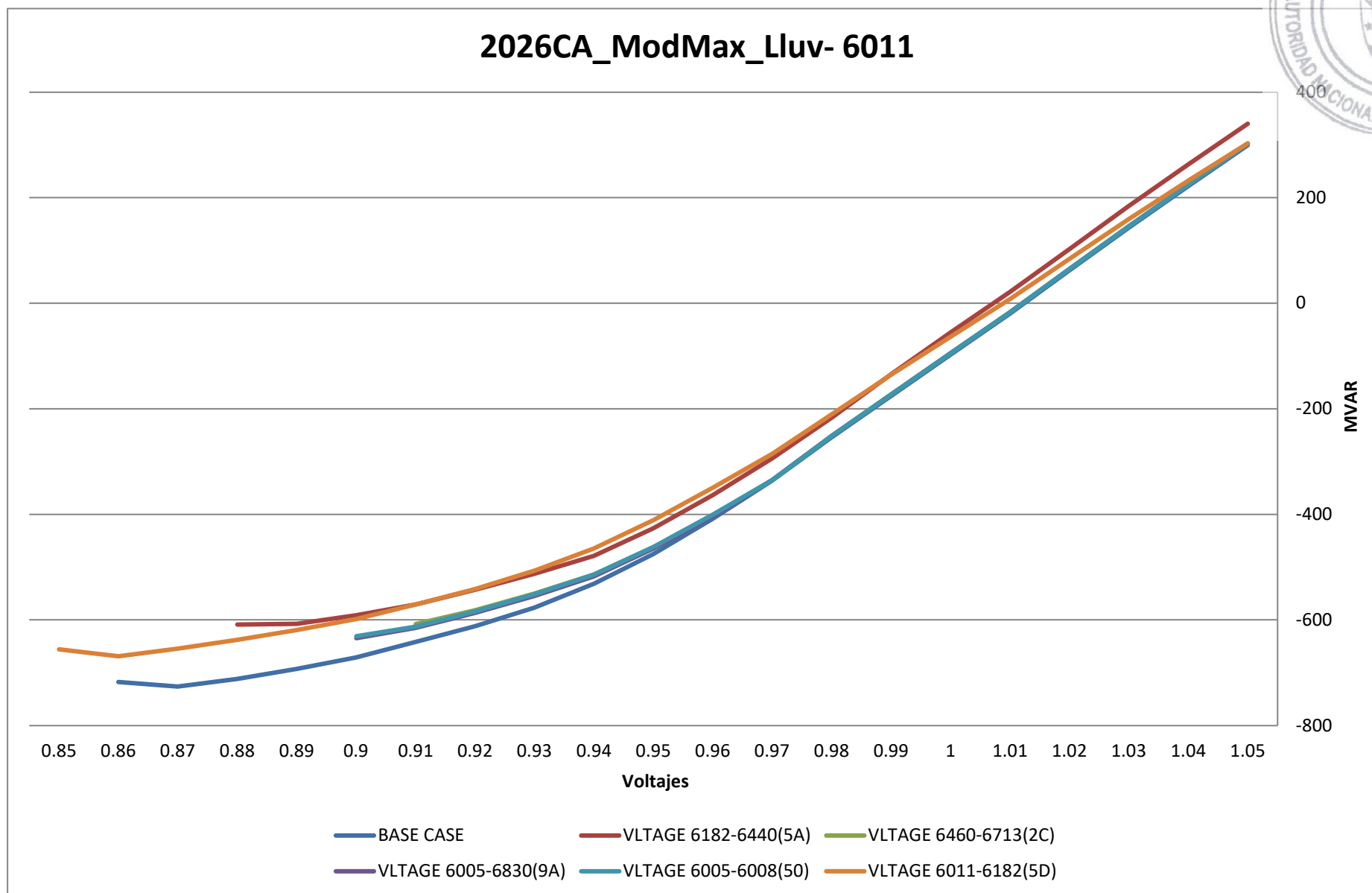
2026CA_ModMax_Lluv- 6009



BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6011-6182(5D)

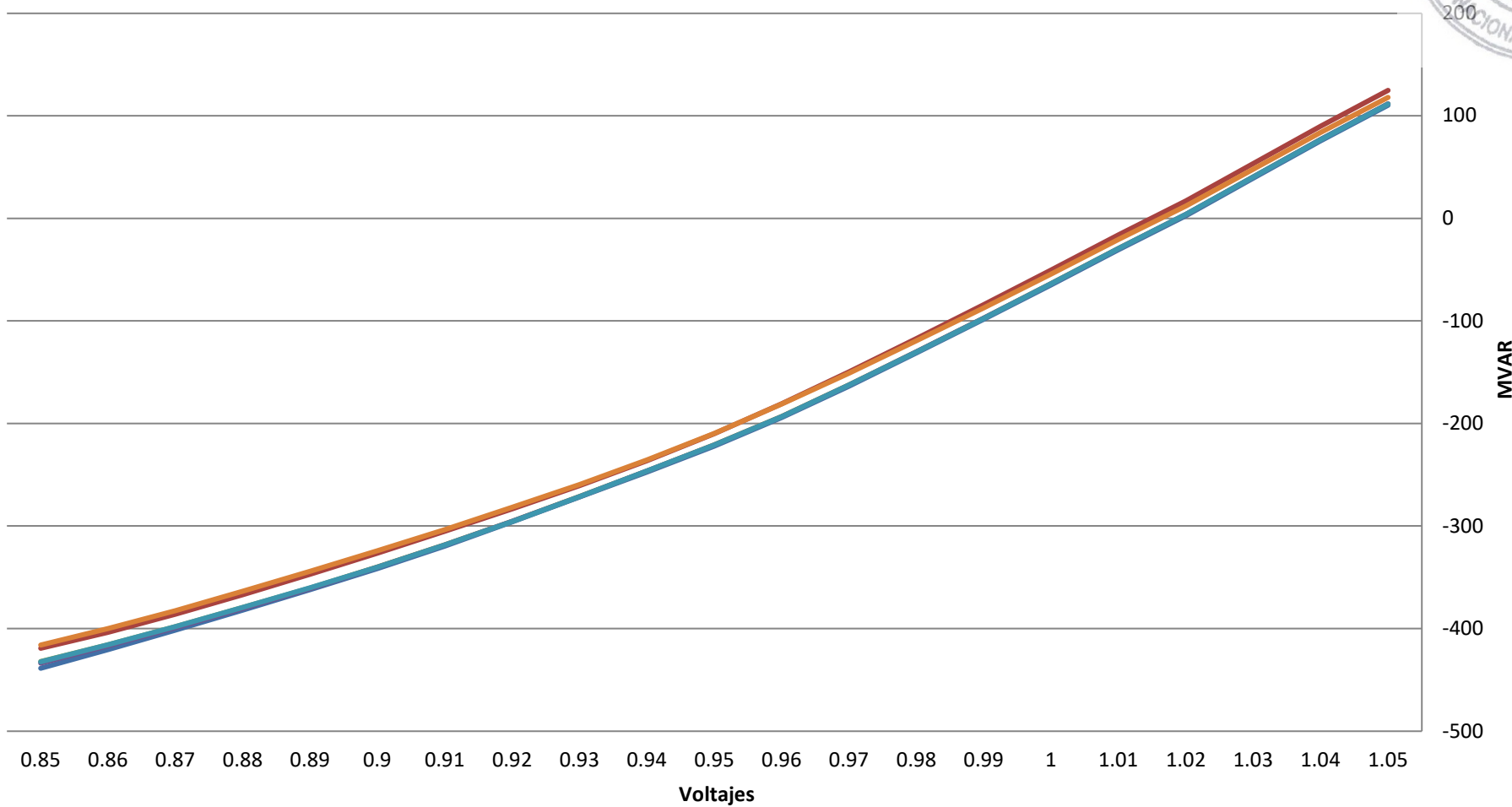


2026CA_ModMax_Lluv- 6011



AP

2026CA_ModMax_Lluv- 6012



— BASE CASE — VLTAGE 6182-6440(5A) — VLTAGE 6460-6713(2C)
— VLTAGE 6005-6830(9A) — VLTAGE 6005-6008(50) — VLTAGE 6011-6182(5D)

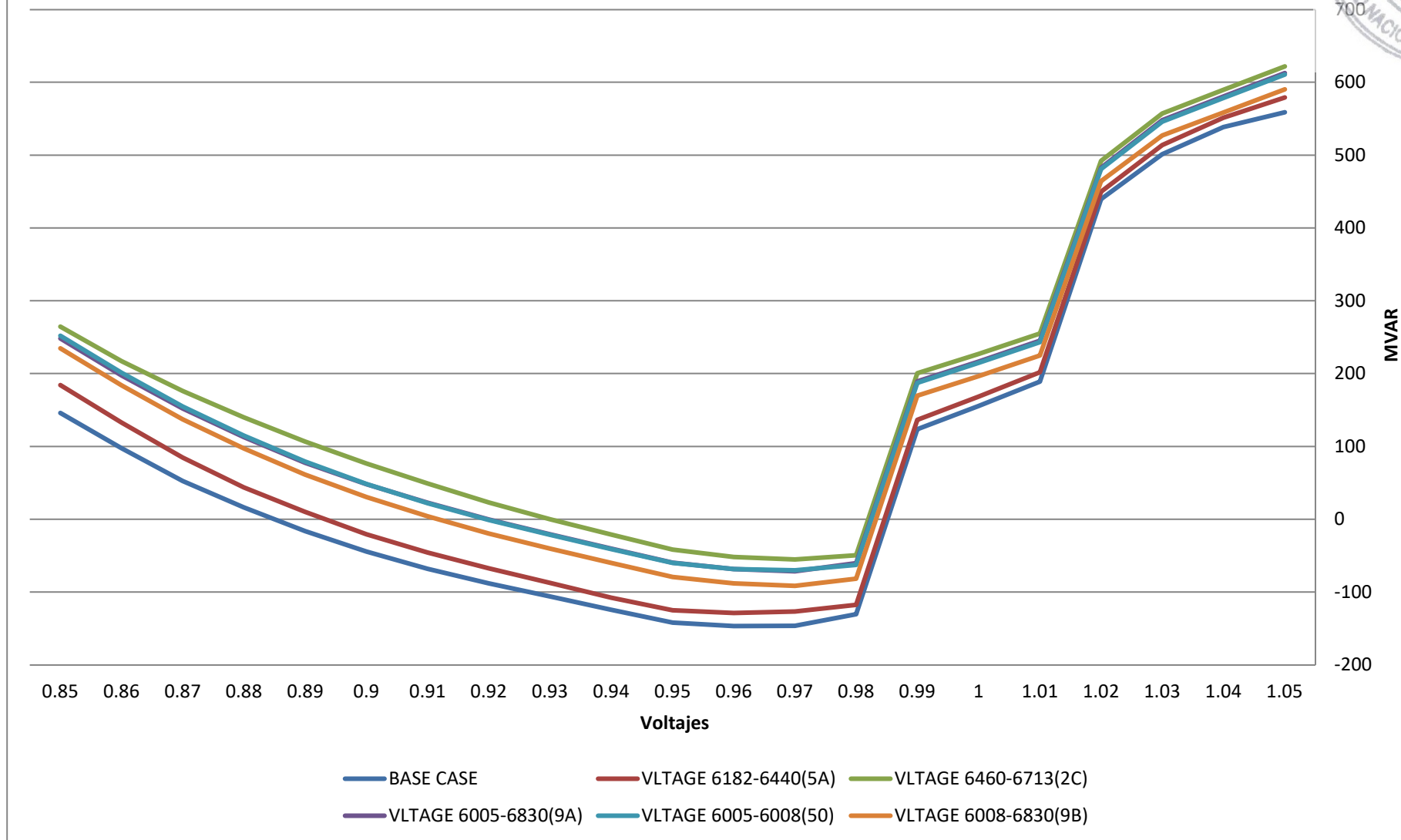


2027 LLUVIOSA

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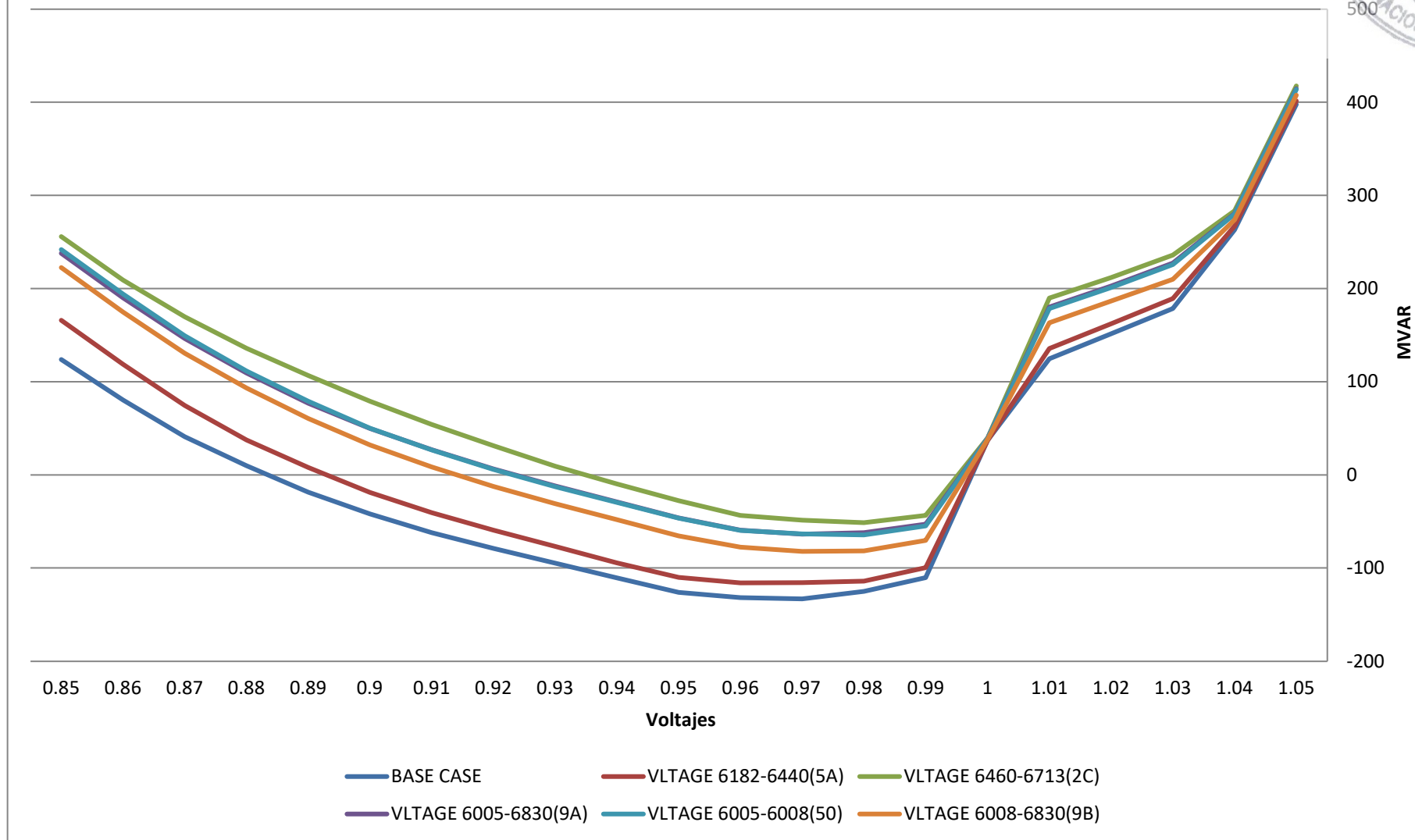


2027CA_ModMax_Lluv- 6001

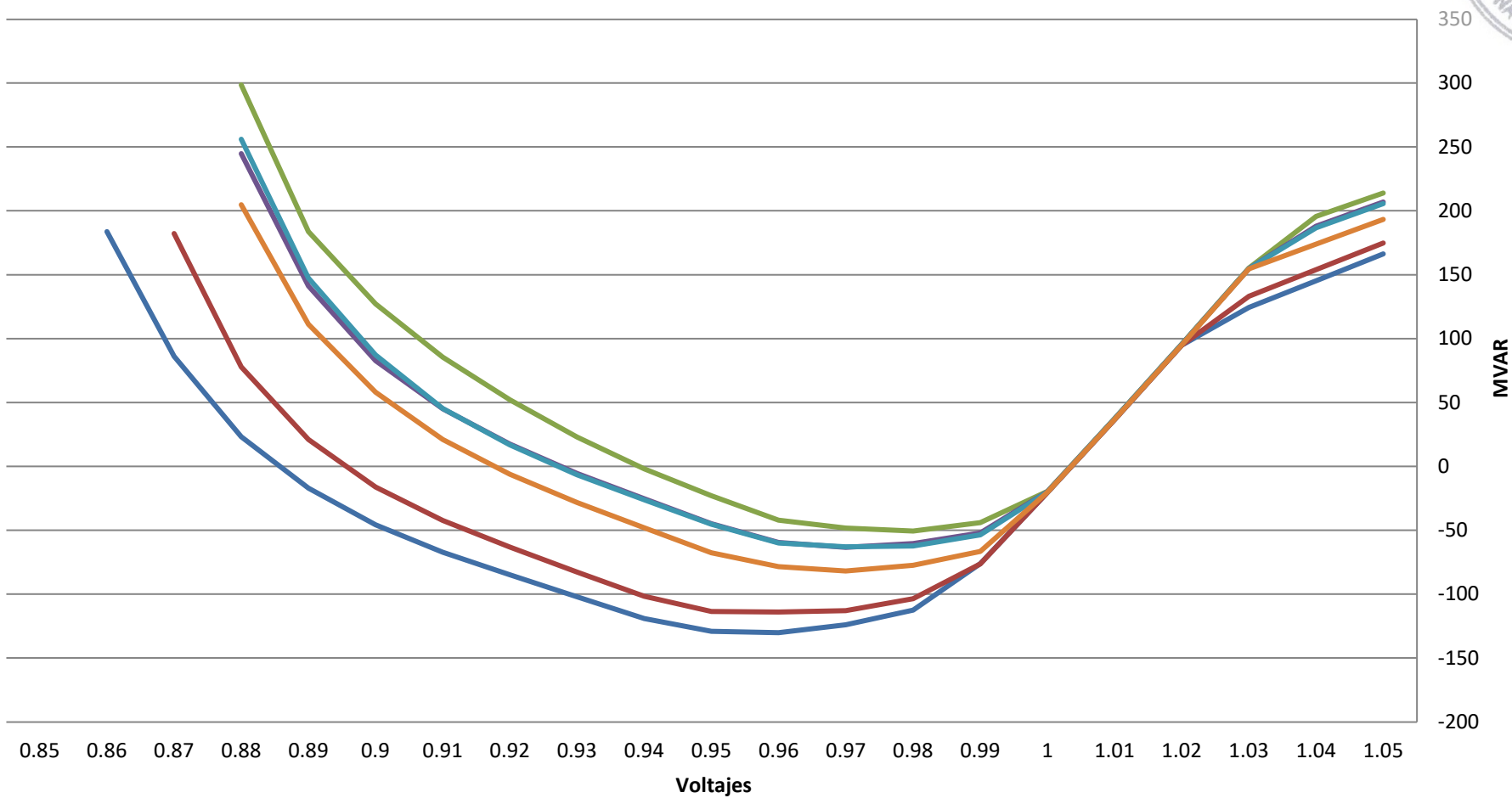


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2027CA_ModMax_Lluv- 6002

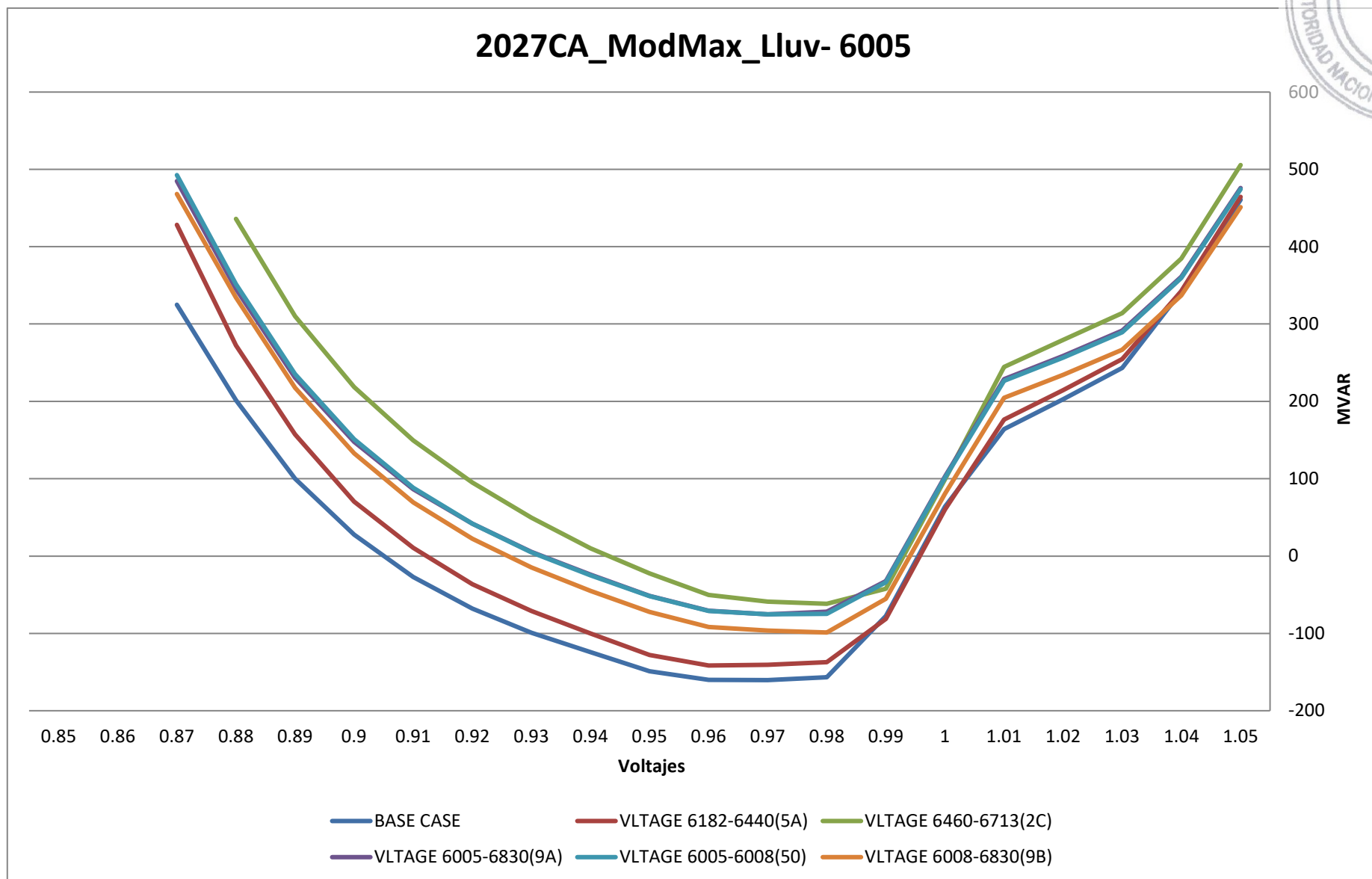


2027CA_ModMax_Lluv- 6004

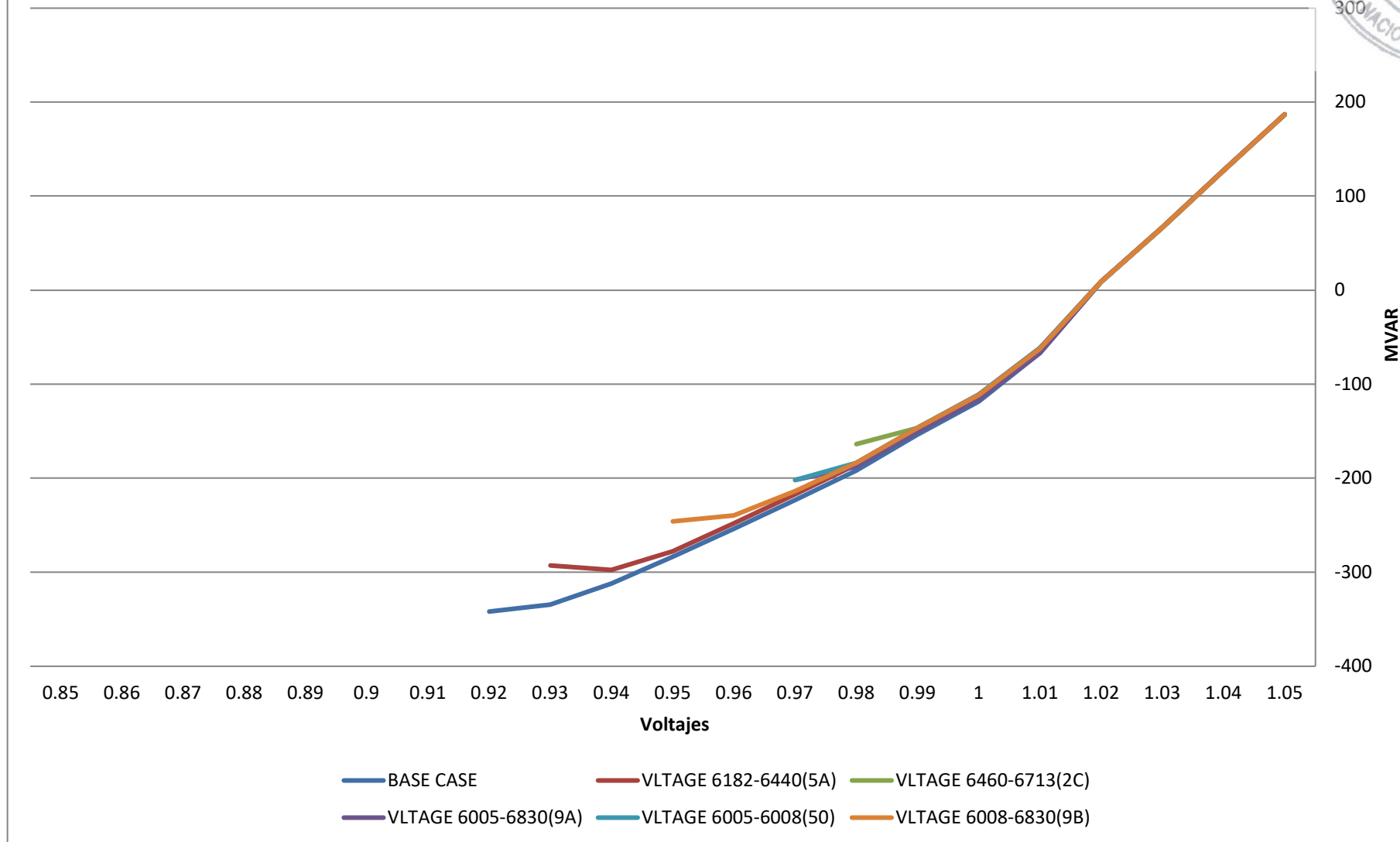


BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

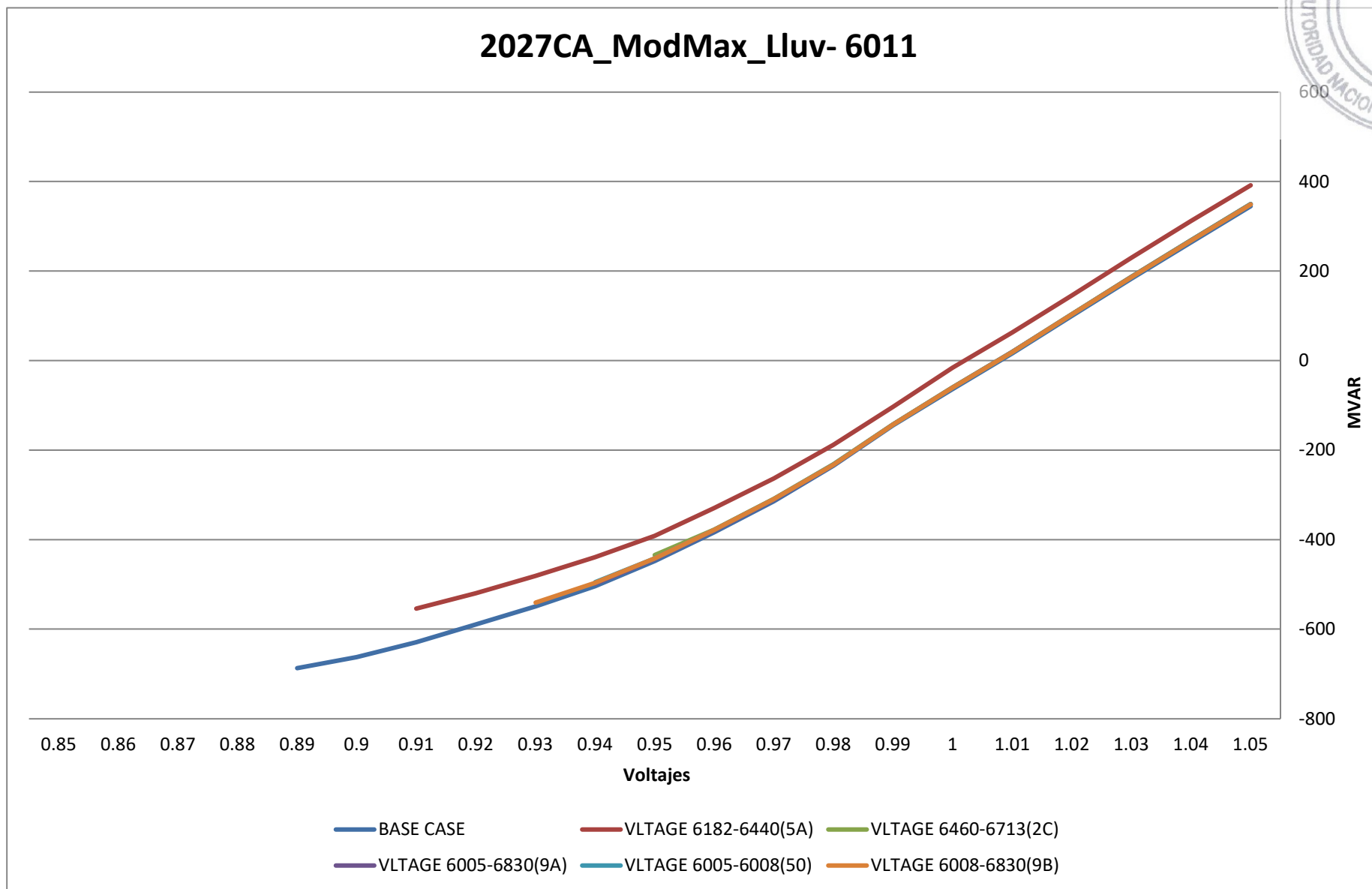
2027CA_ModMax_Lluv- 6005



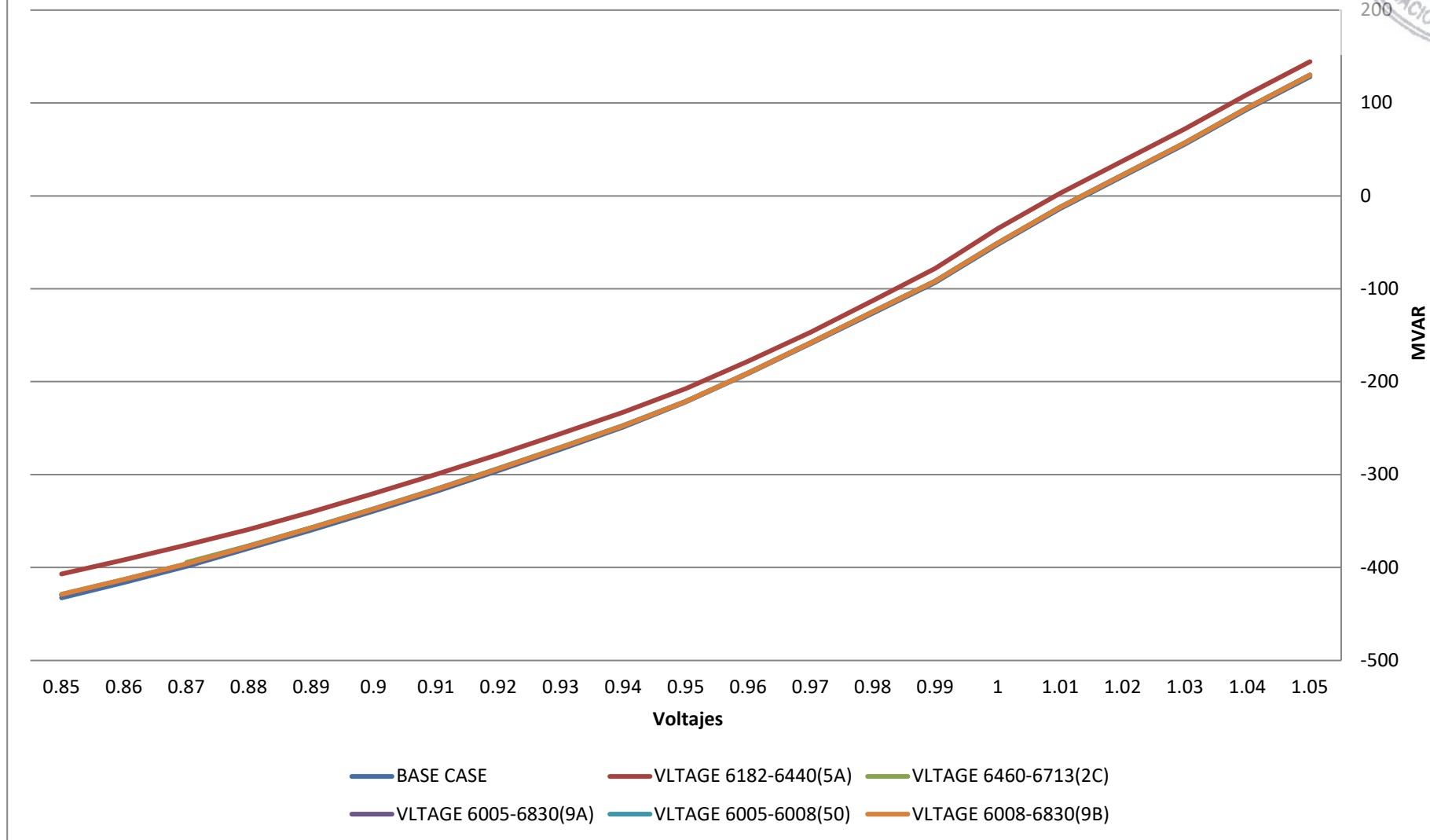
2027CA_ModMax_Lluv- 6009



2027CA_ModMax_Lluv- 6011



2027CA_ModMax_Lluv- 6012

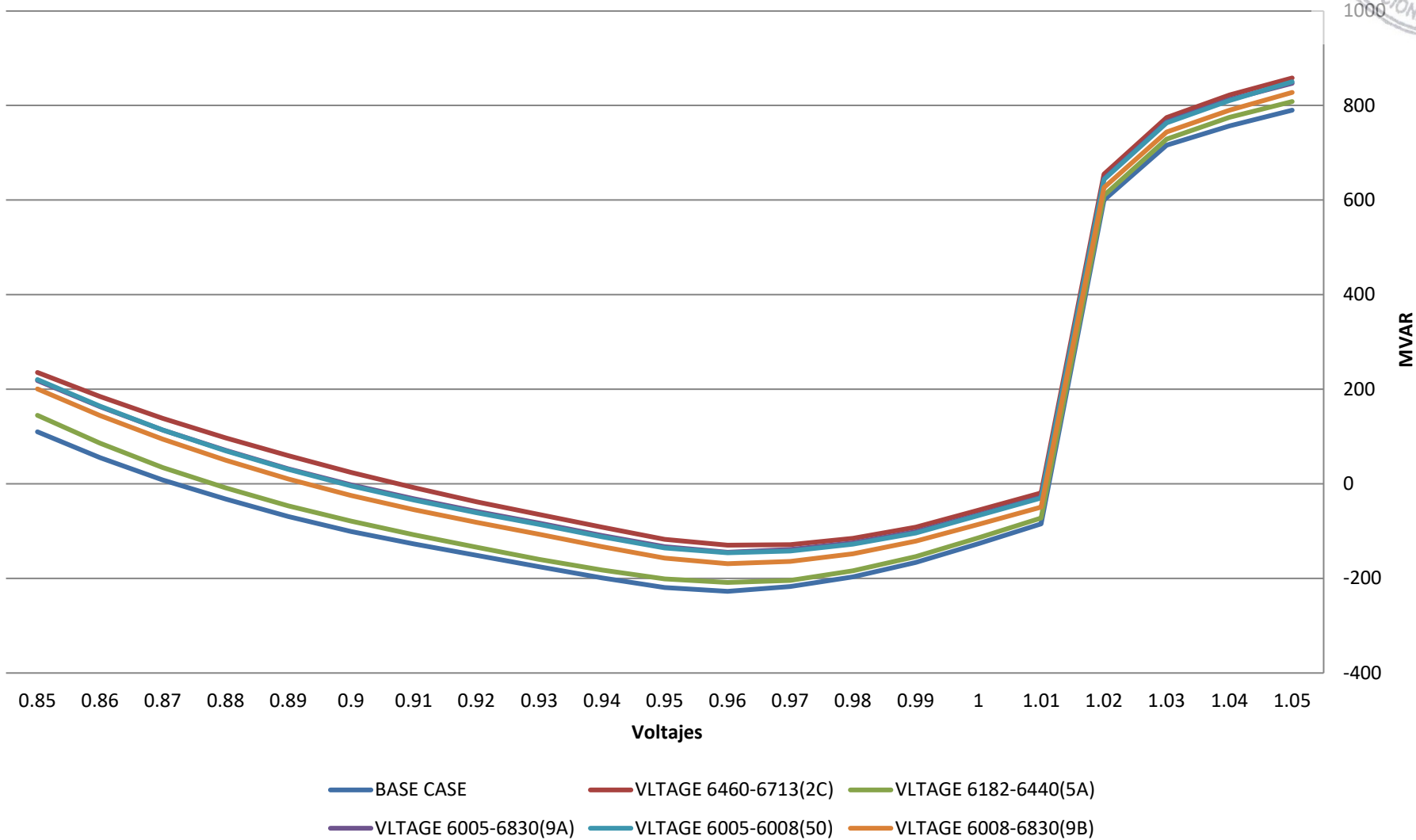




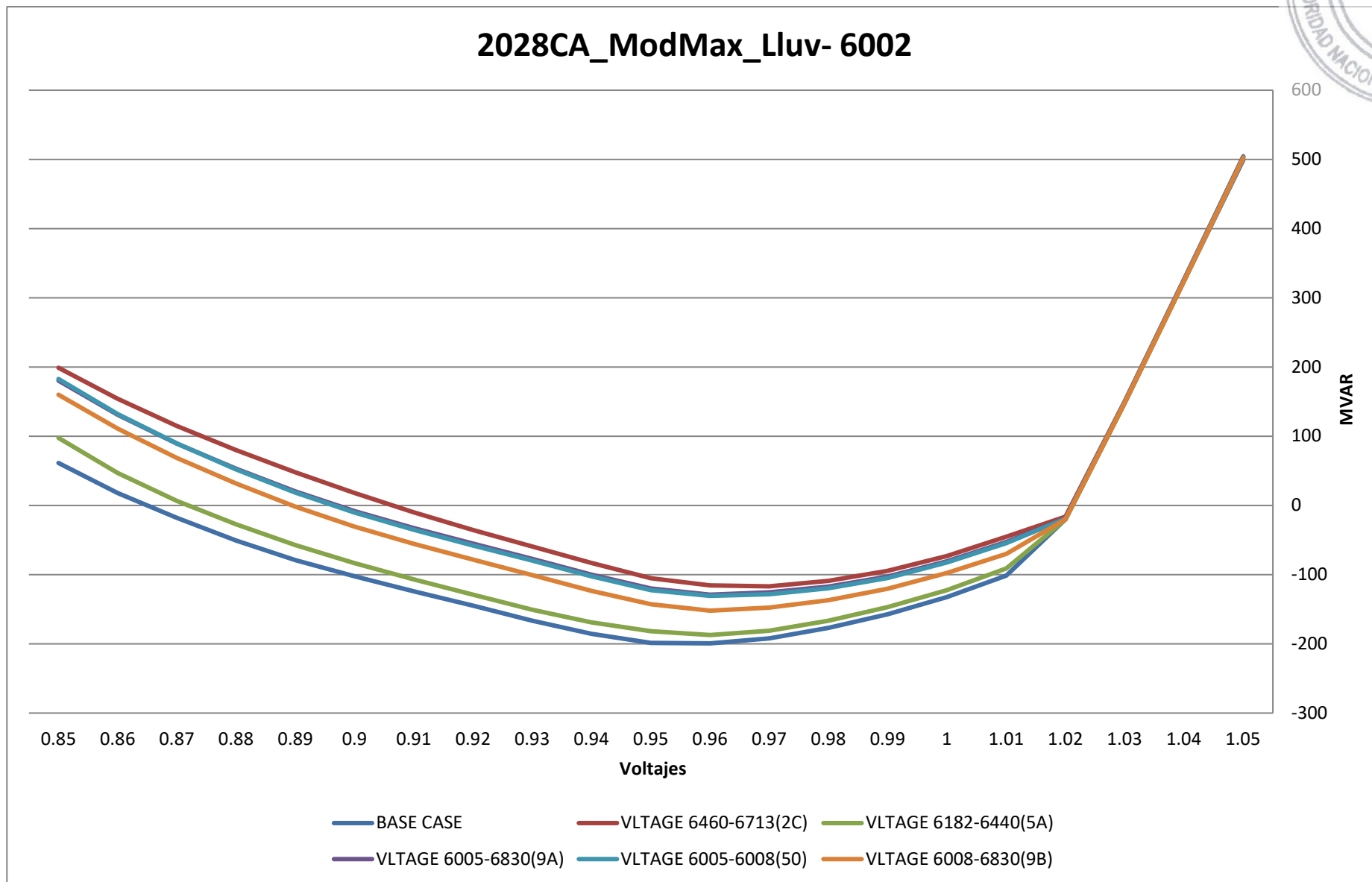
2028 LLUVIOSA

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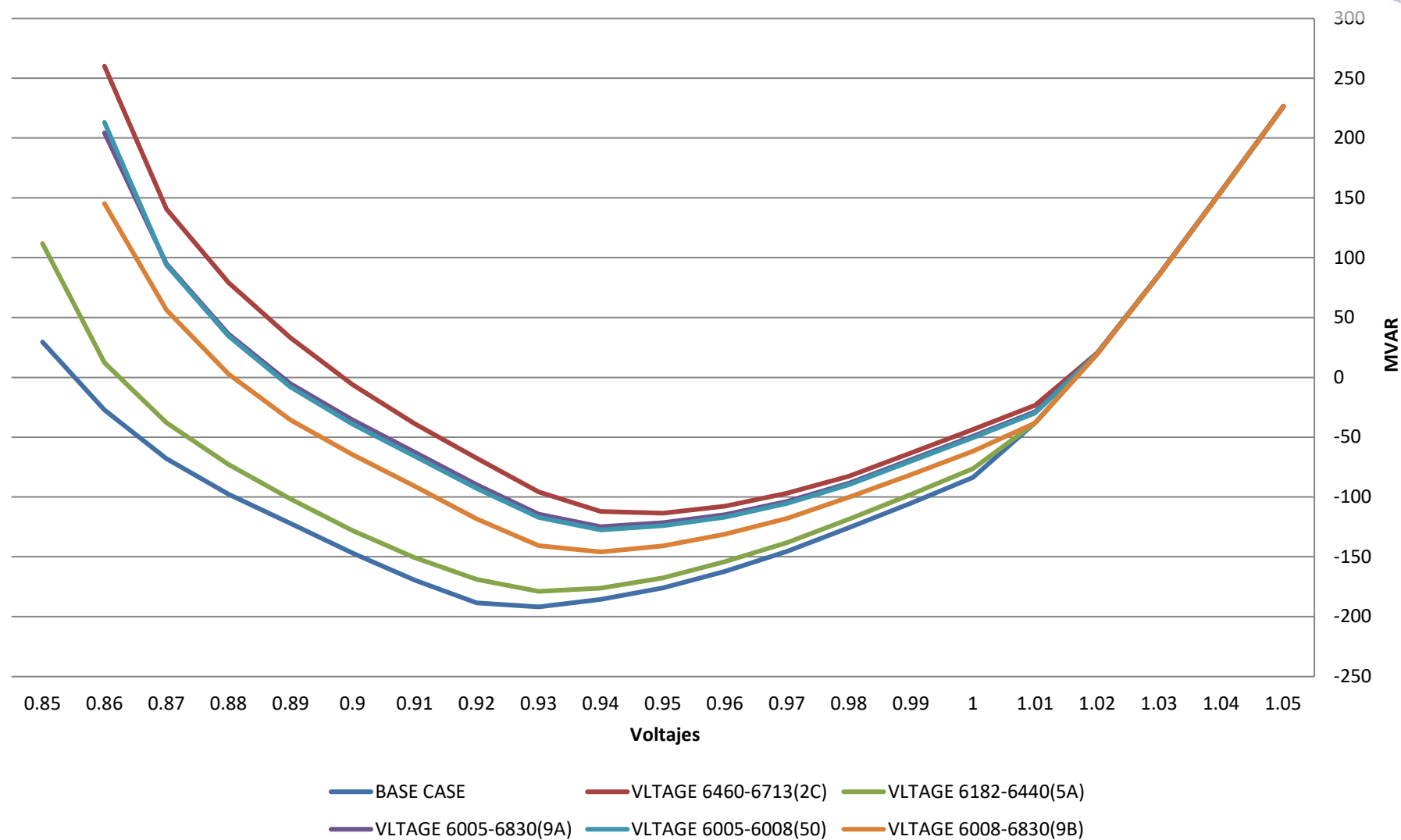
2028CA_ModMax_Lluv- 6001



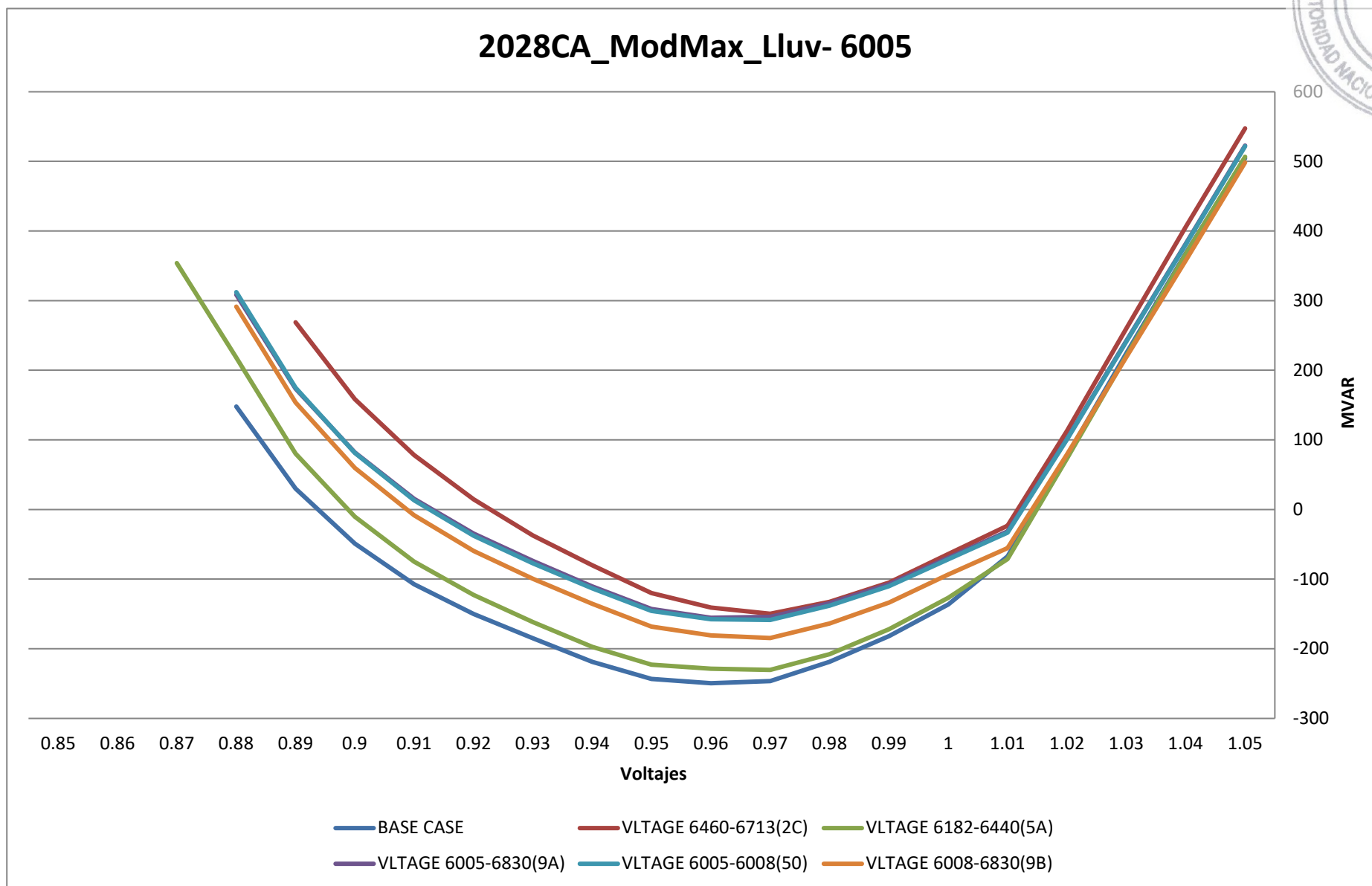
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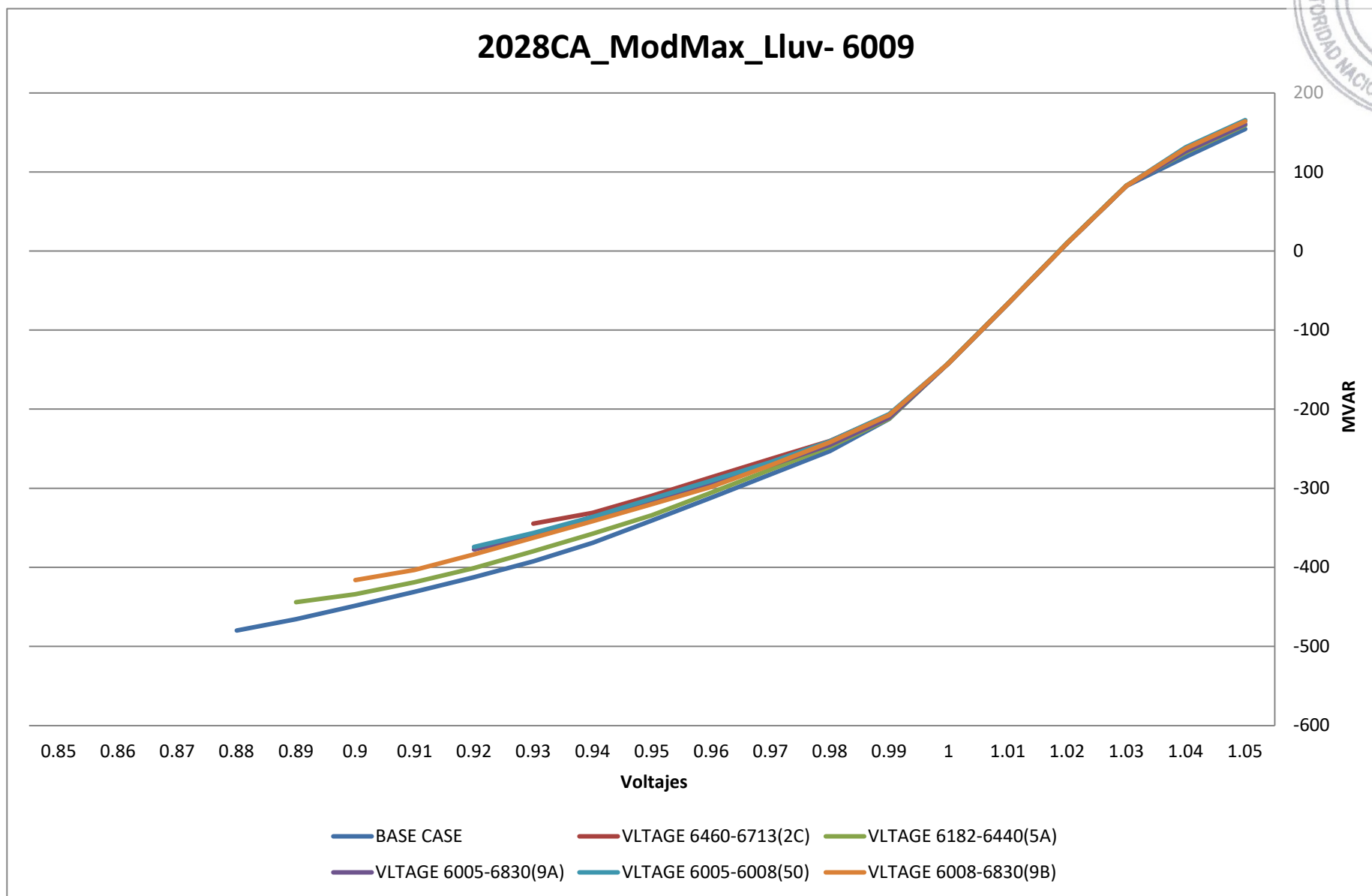
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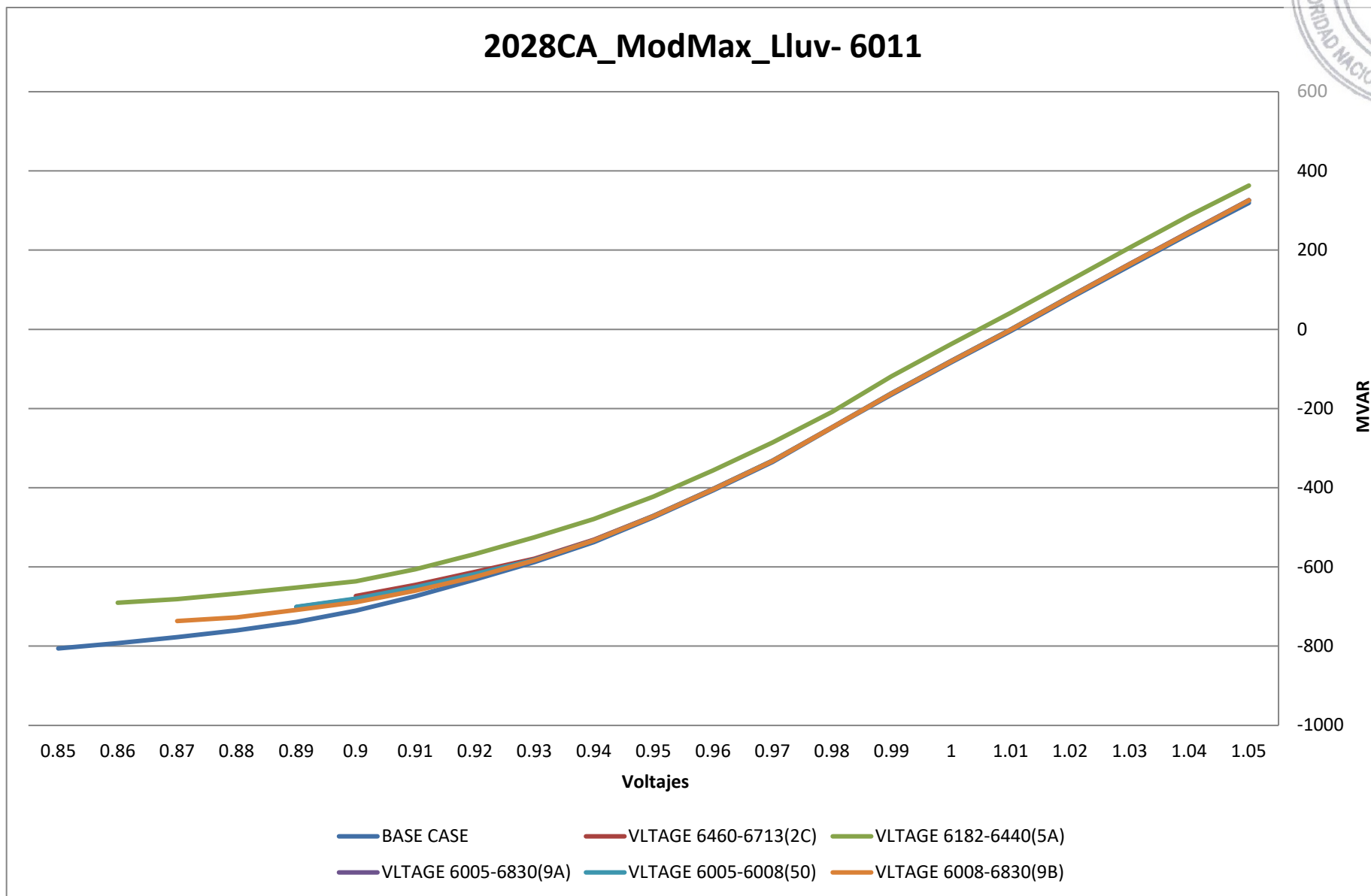
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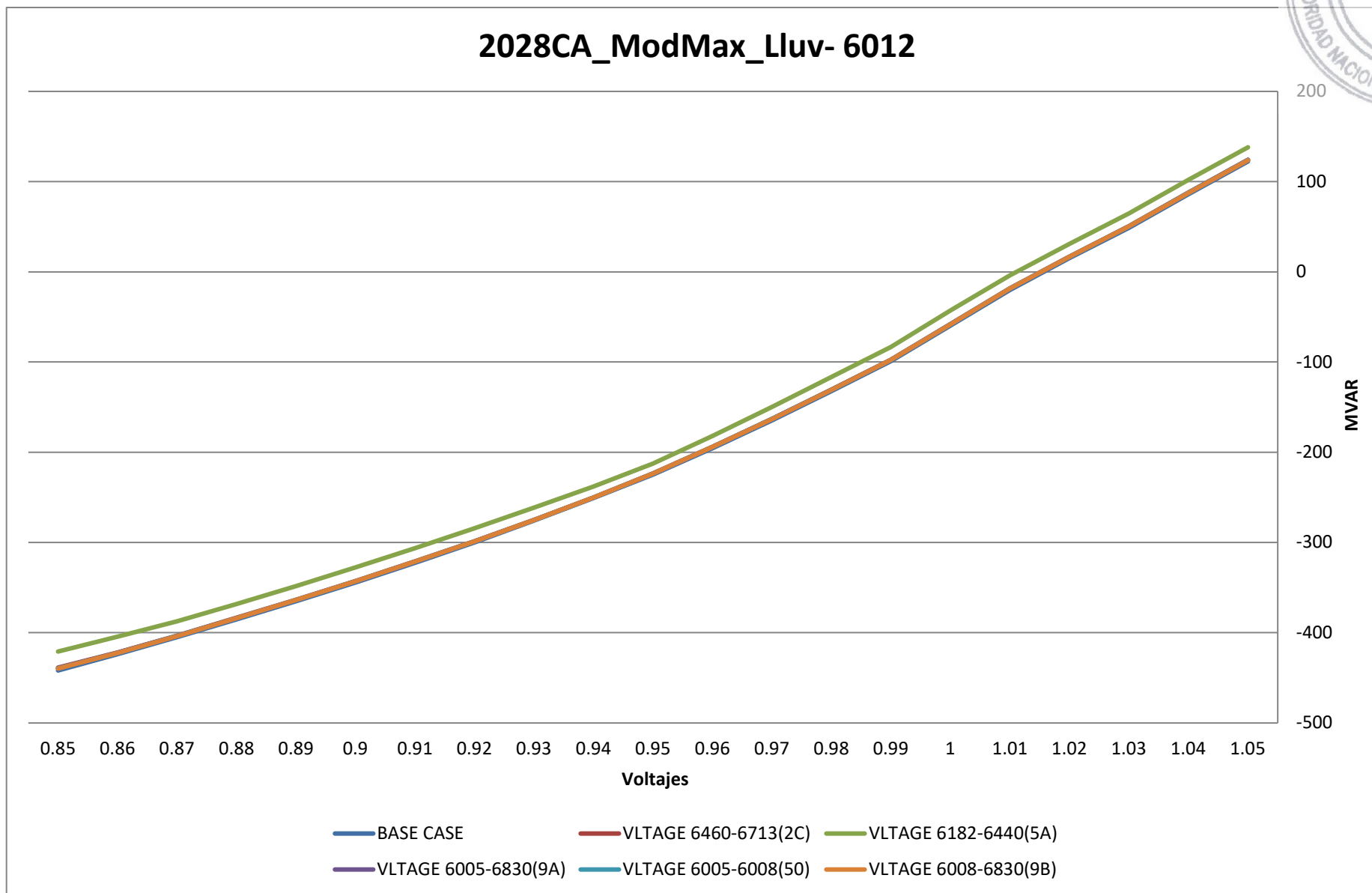
2028CA_ModMax_Lluv- 6009



2028CA_ModMax_Lluv- 6011



2028CA_ModMax_Lluv- 6012



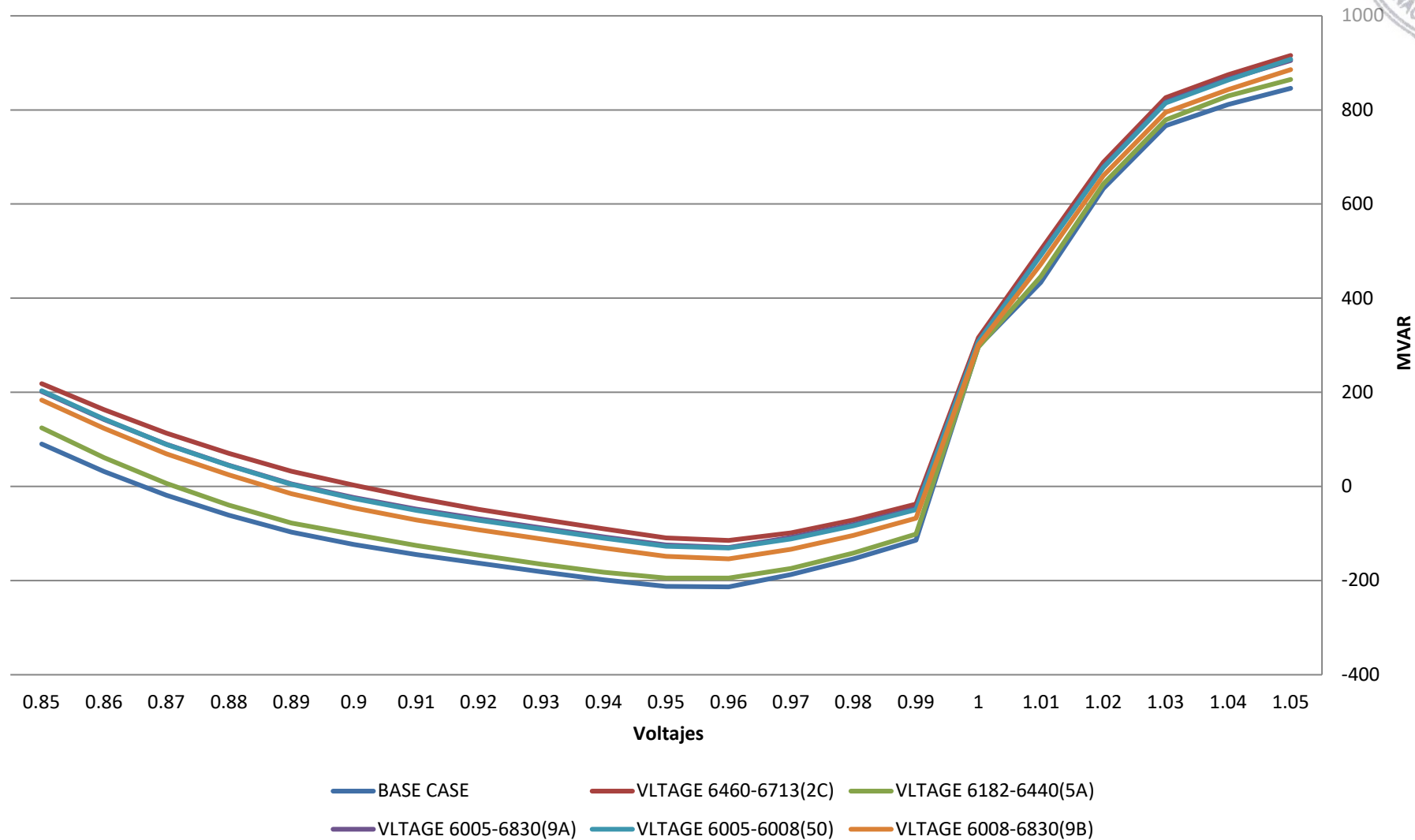


2029 LLUVIOSA

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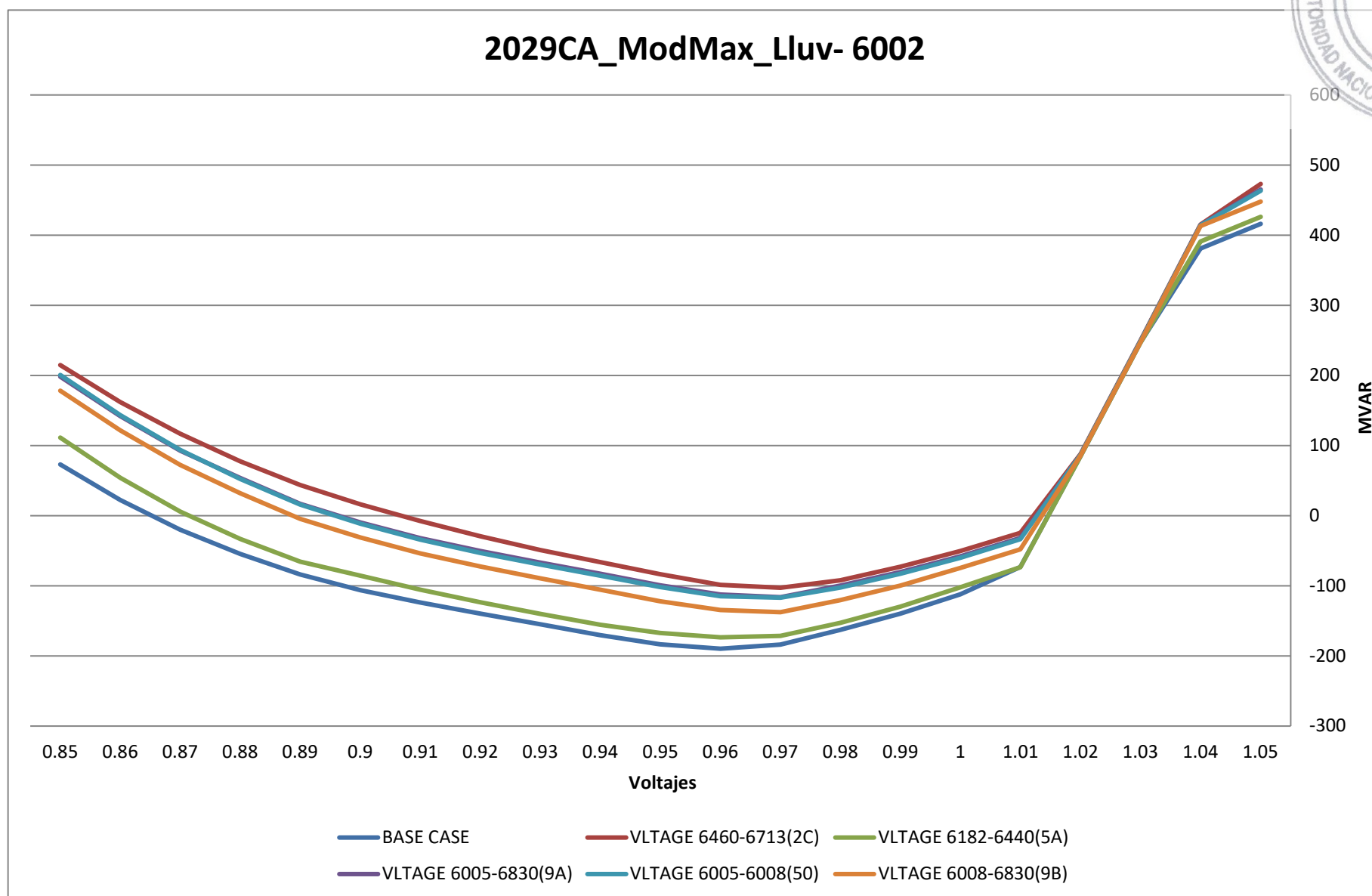


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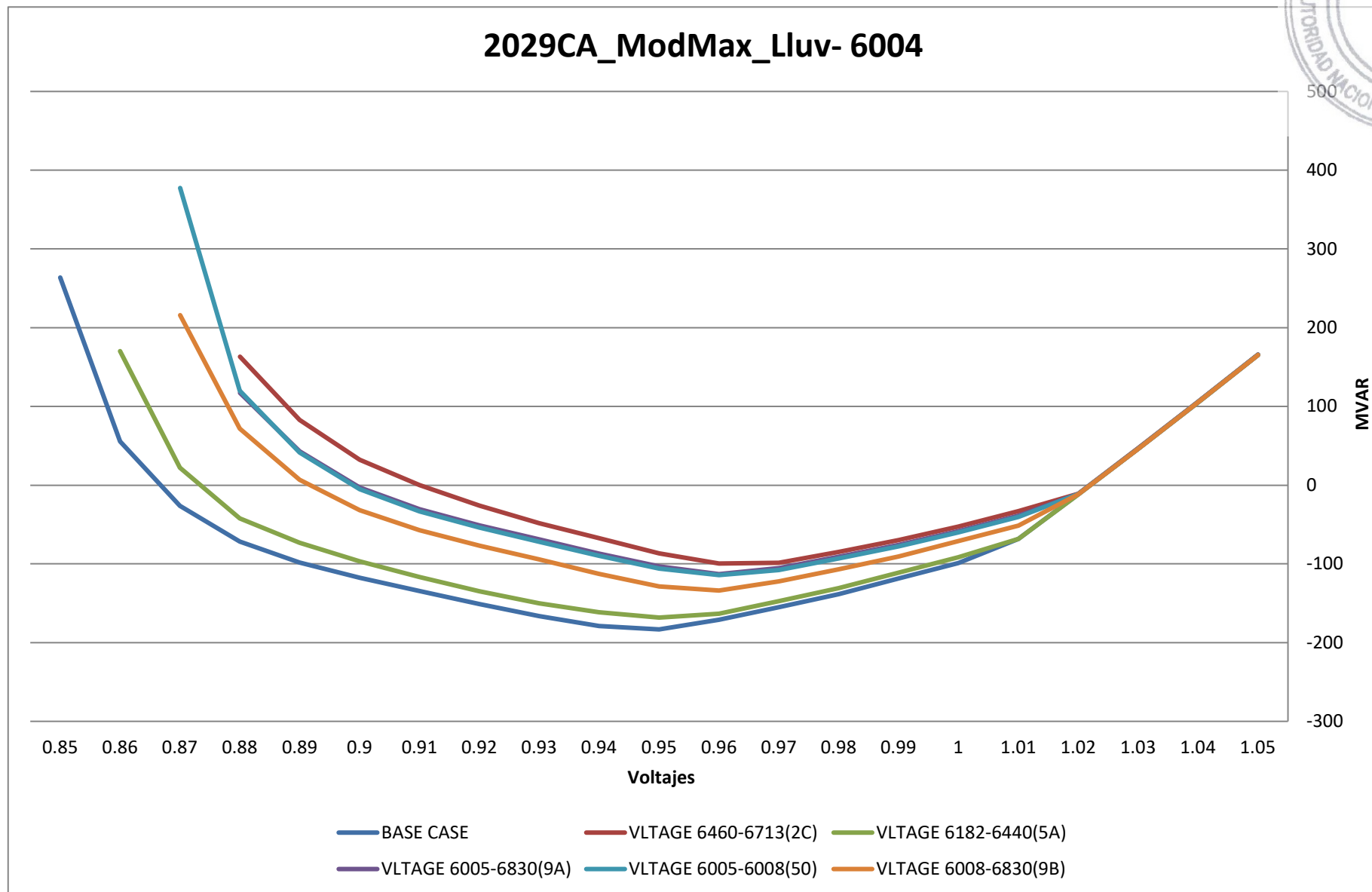


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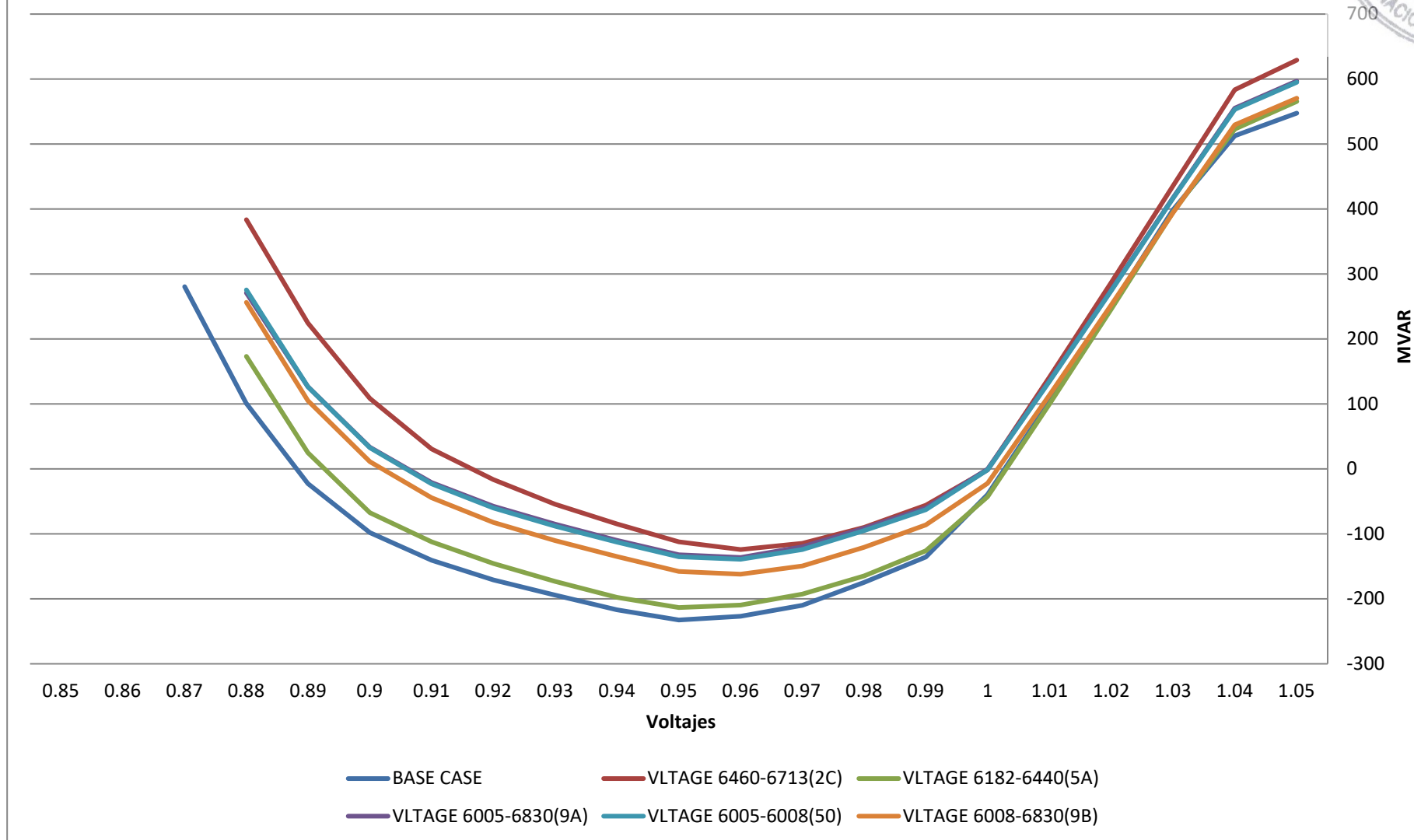
2029CA_ModMax_Lluv- 6002



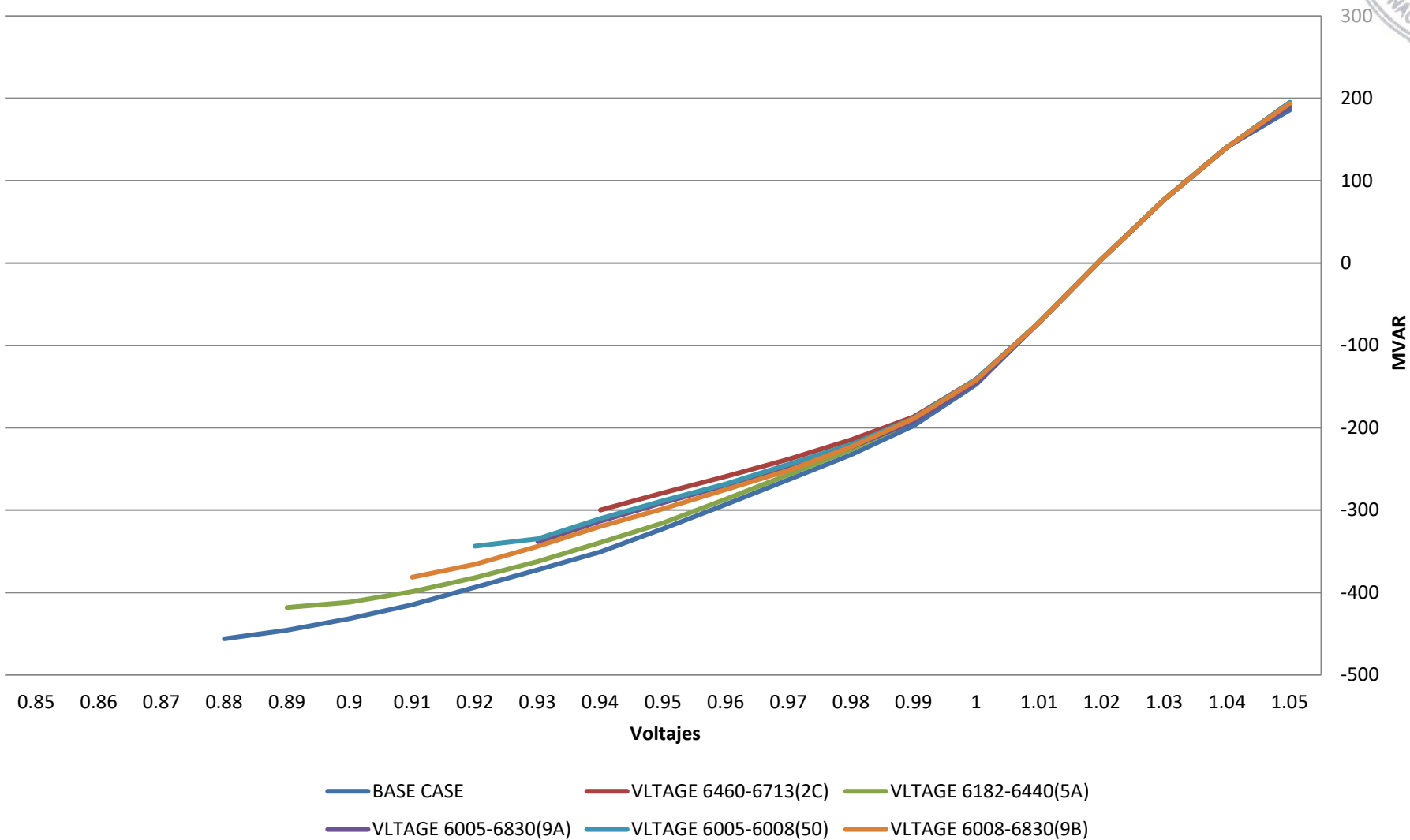
2029CA_ModMax_Lluv- 6004



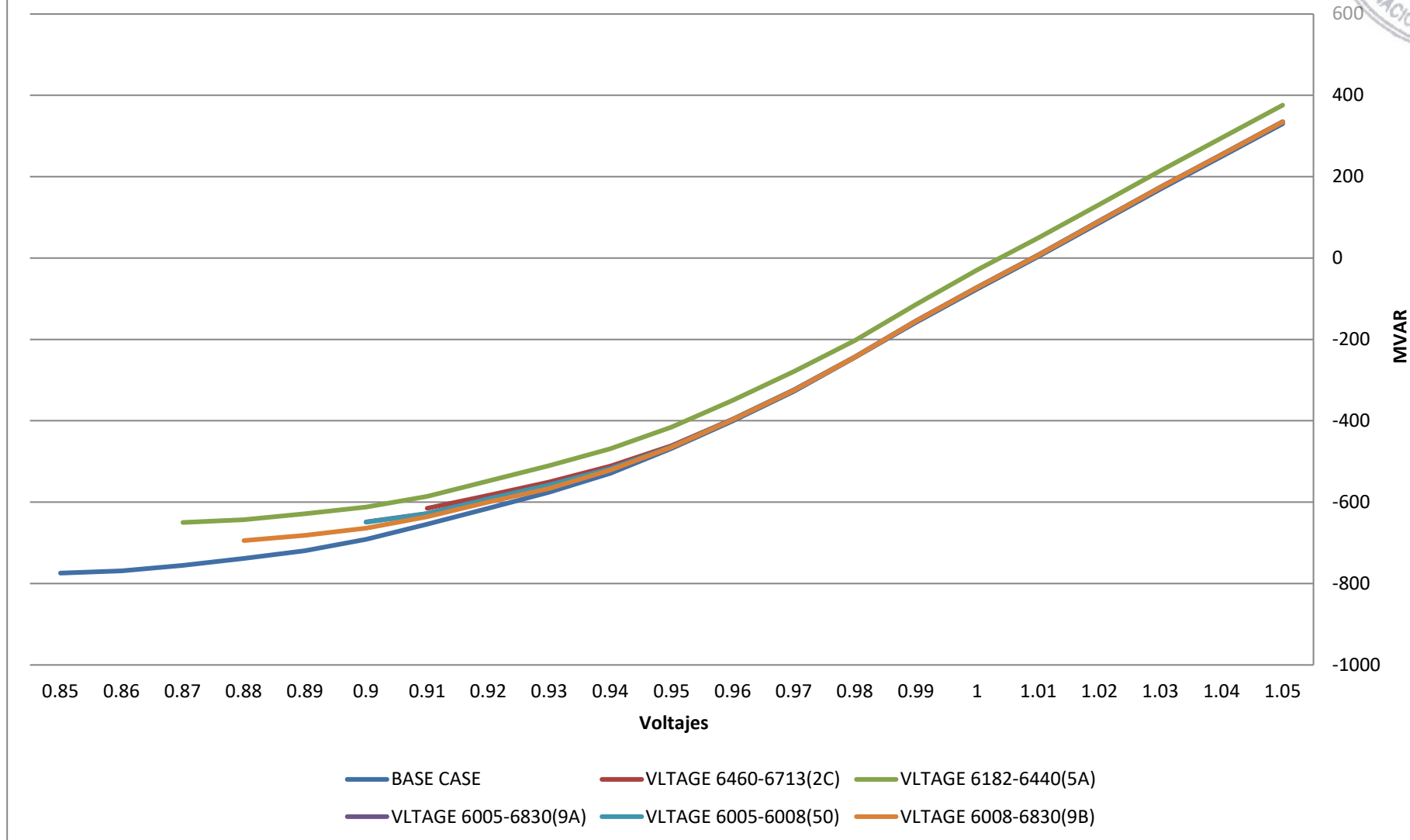
2029CA_ModMax_Lluv- 6005



2029CA_ModMax_Lluv- 6009

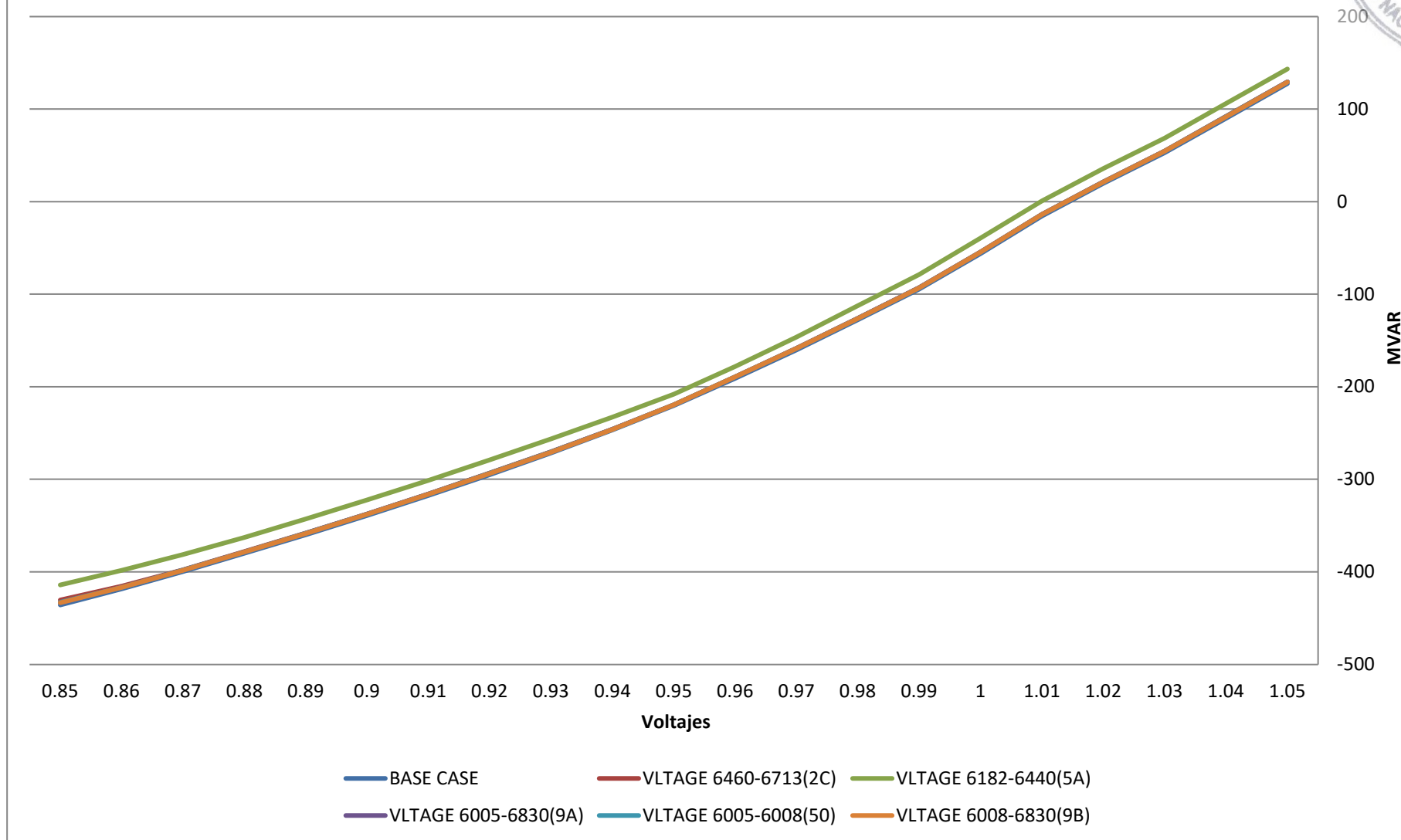


2029CA_ModMax_Lluv- 6011





2029CA_ModMax_Lluv- 6012



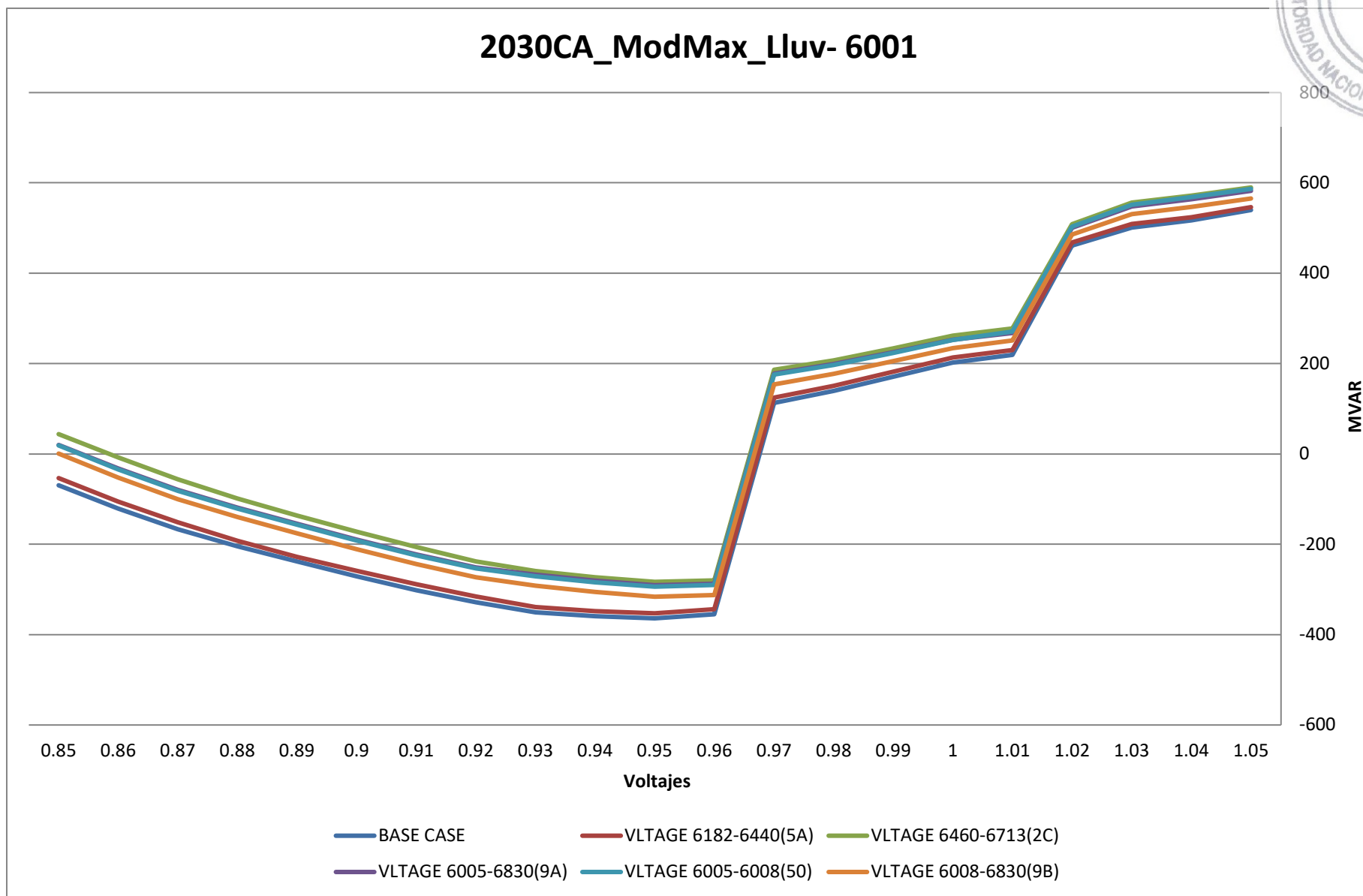
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2030 LLUVIOSA

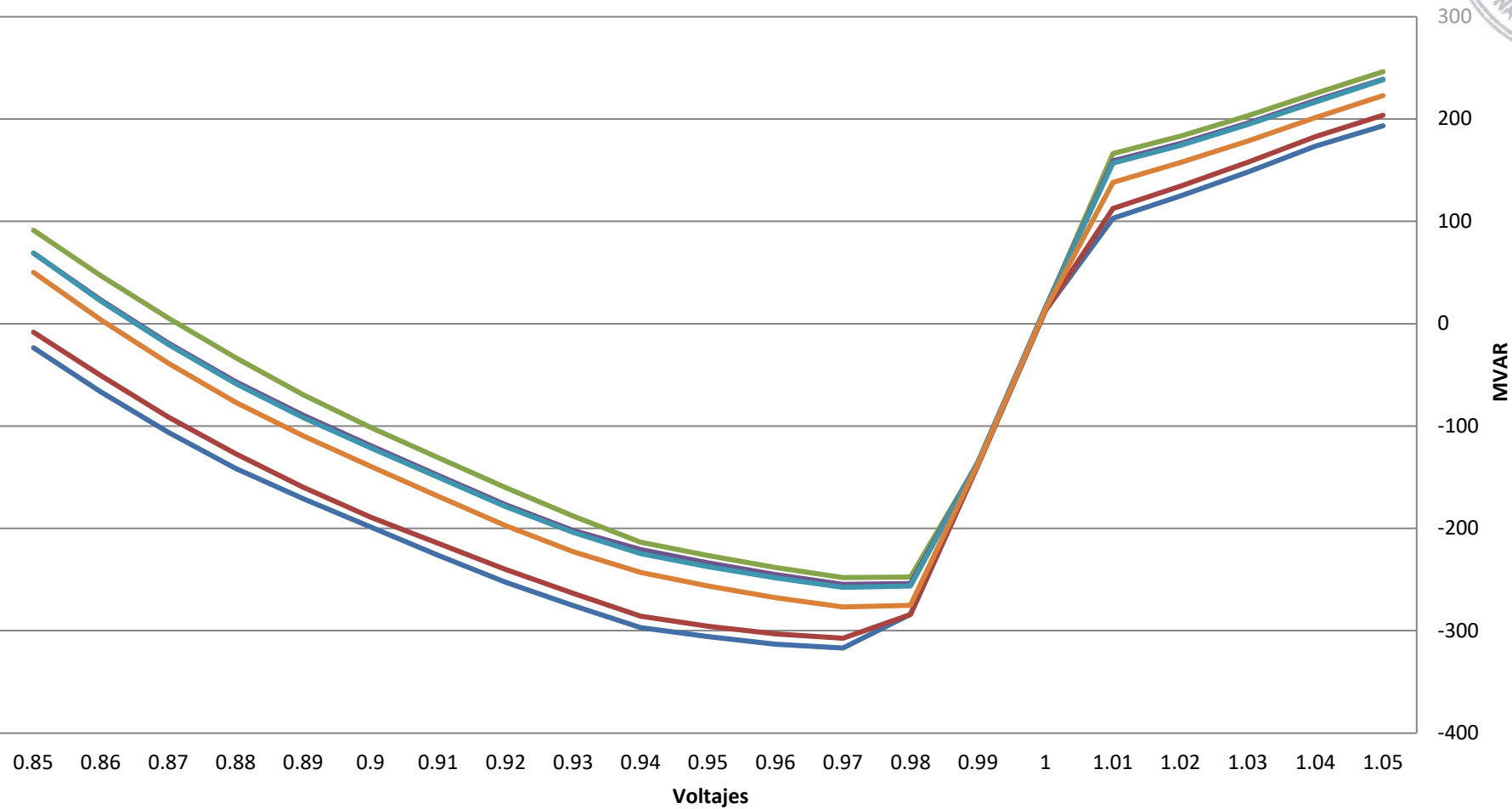
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2030CA_ModMax_Lluv- 6001





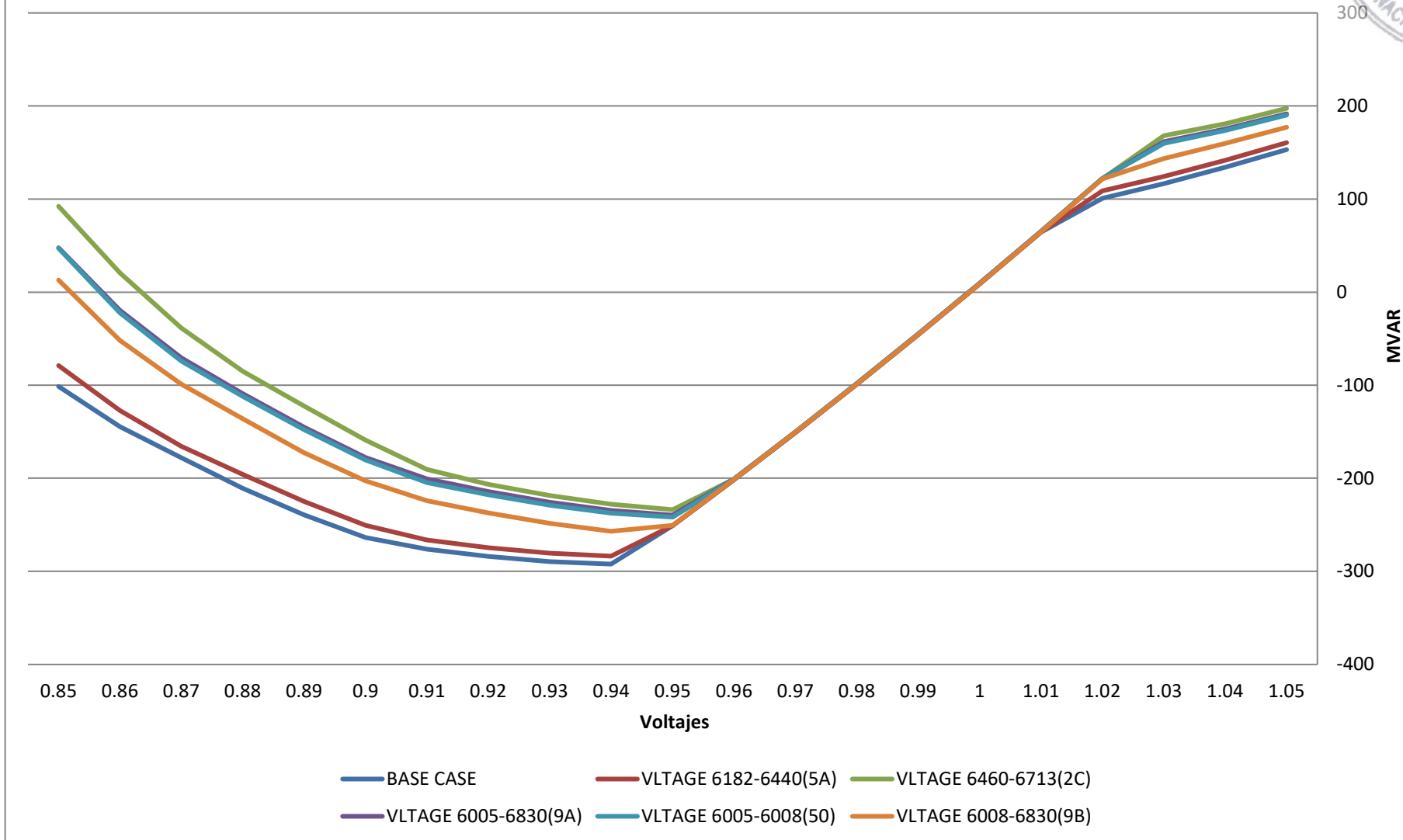
2030CA_ModMax_Lluv- 6002



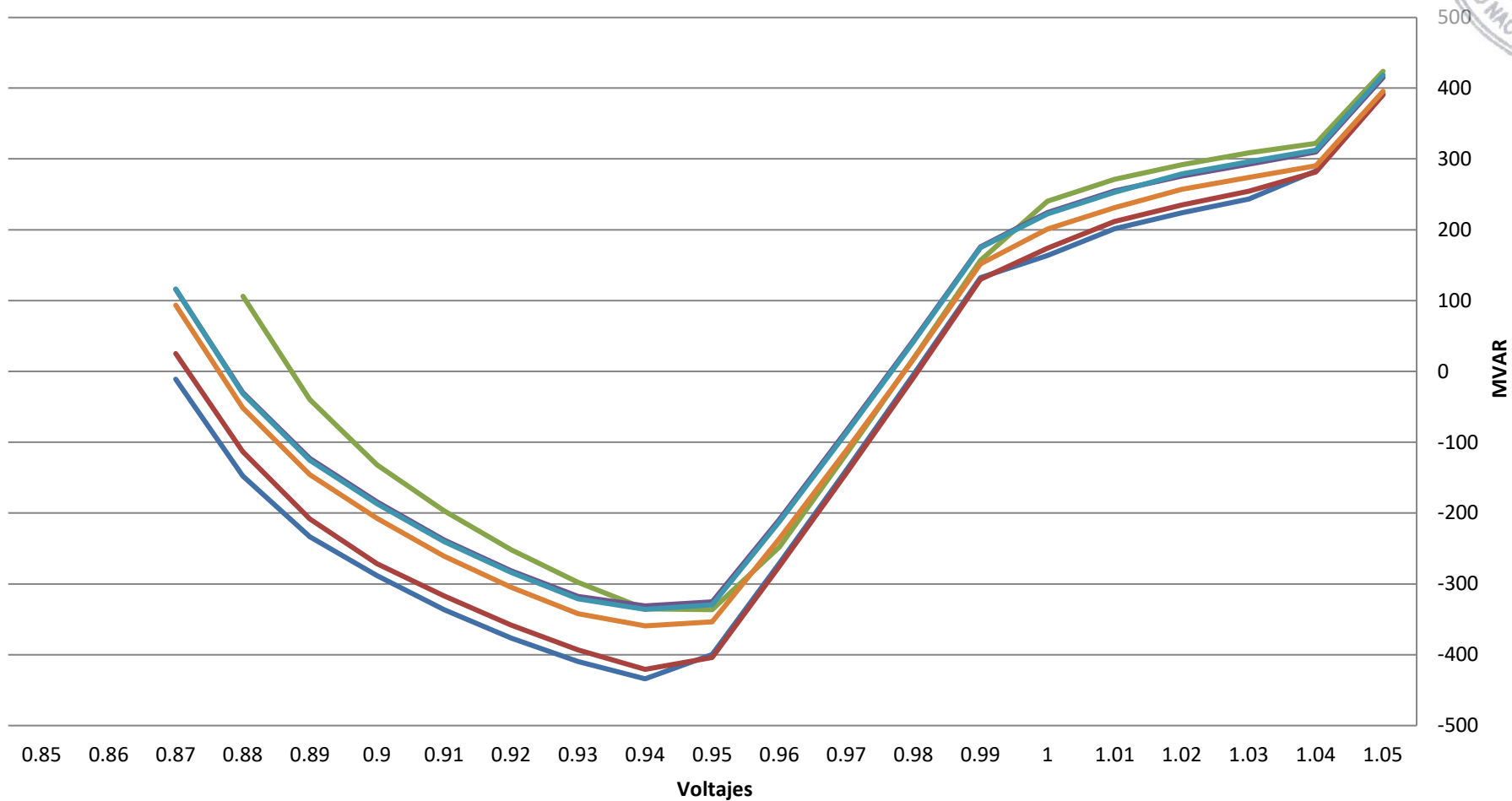
BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

AP

2030CA_ModMax_Lluv- 6004

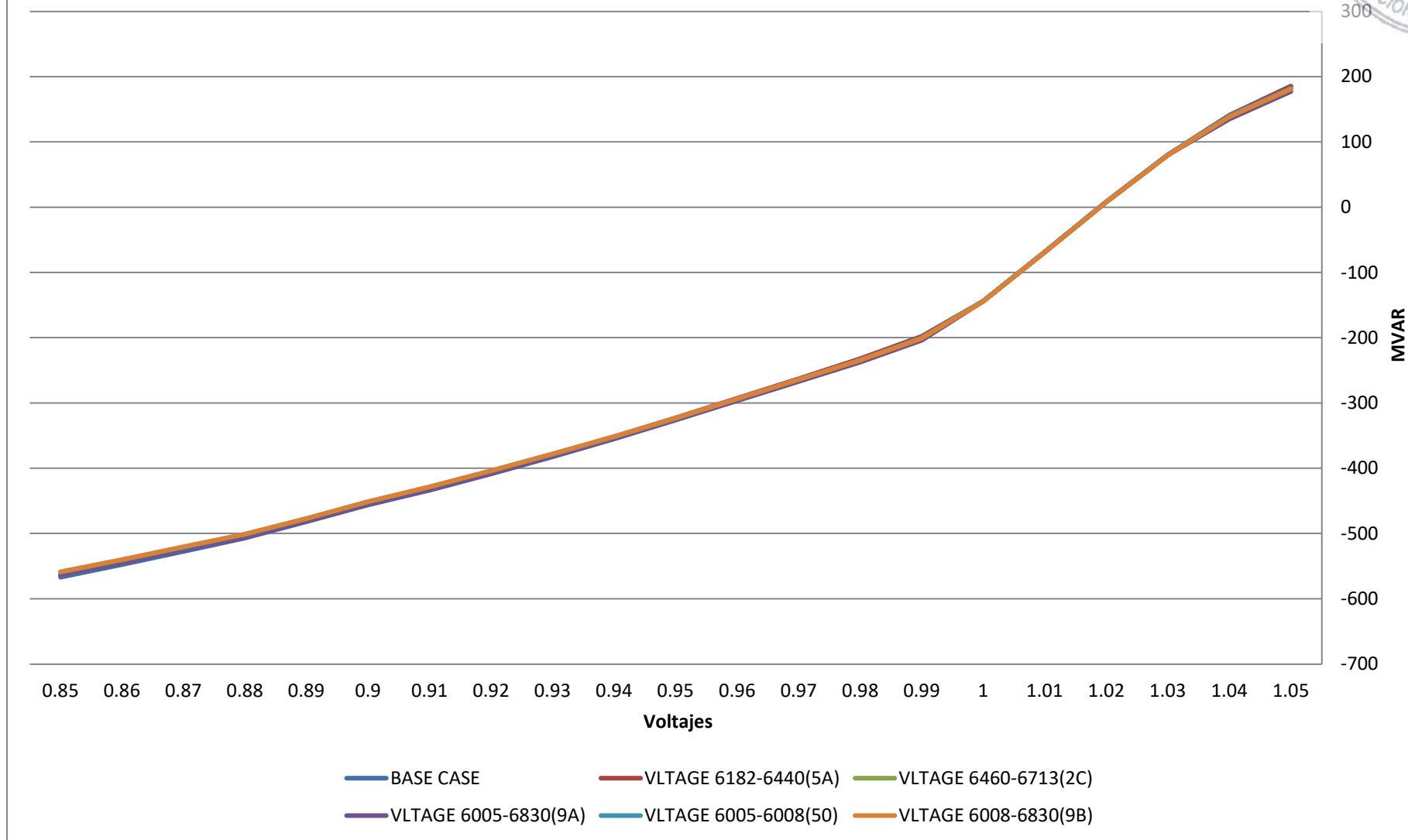


2030CA_ModMax_Lluv- 6005



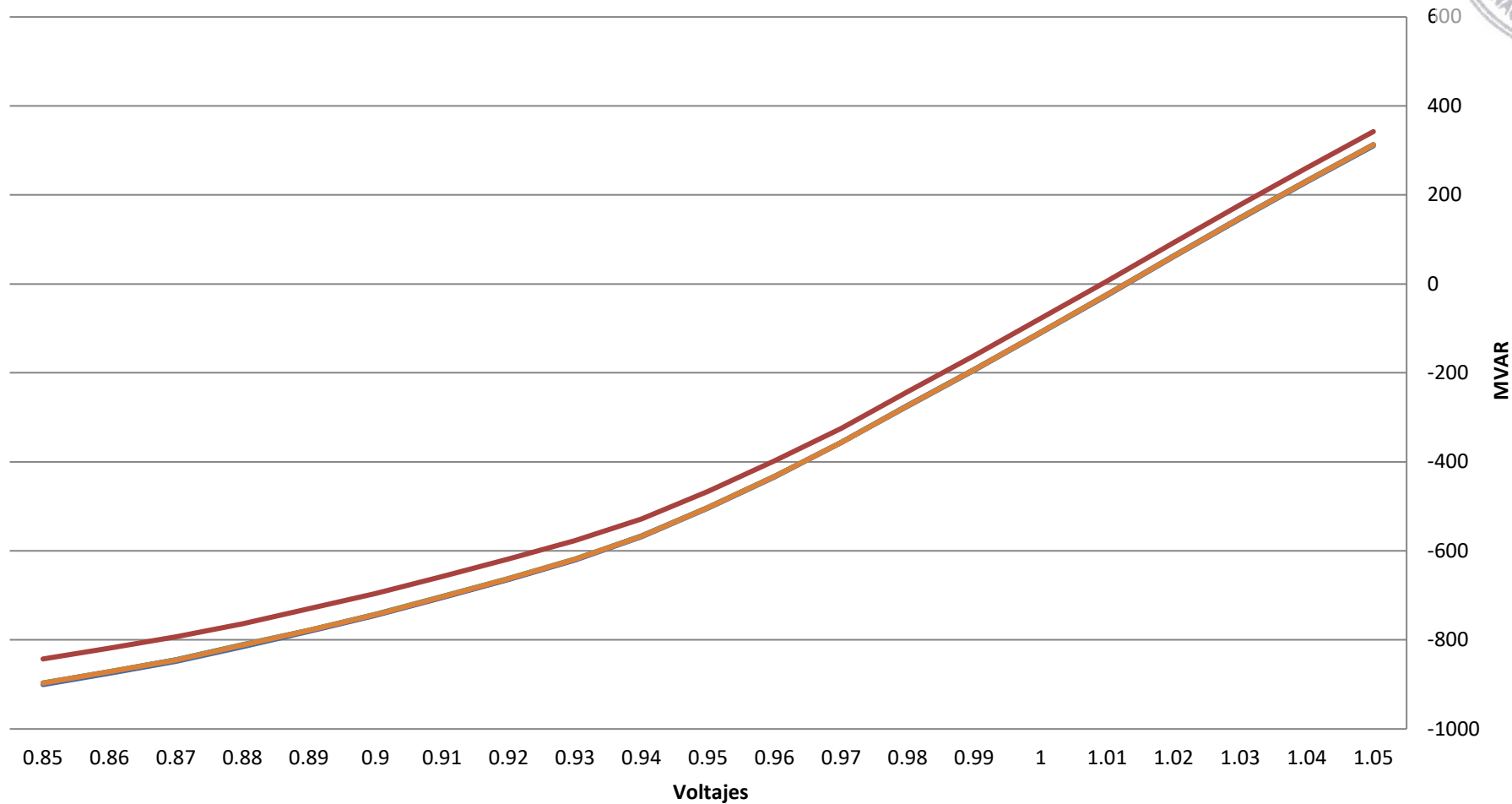
BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

2030CA_ModMax_Lluv- 6009



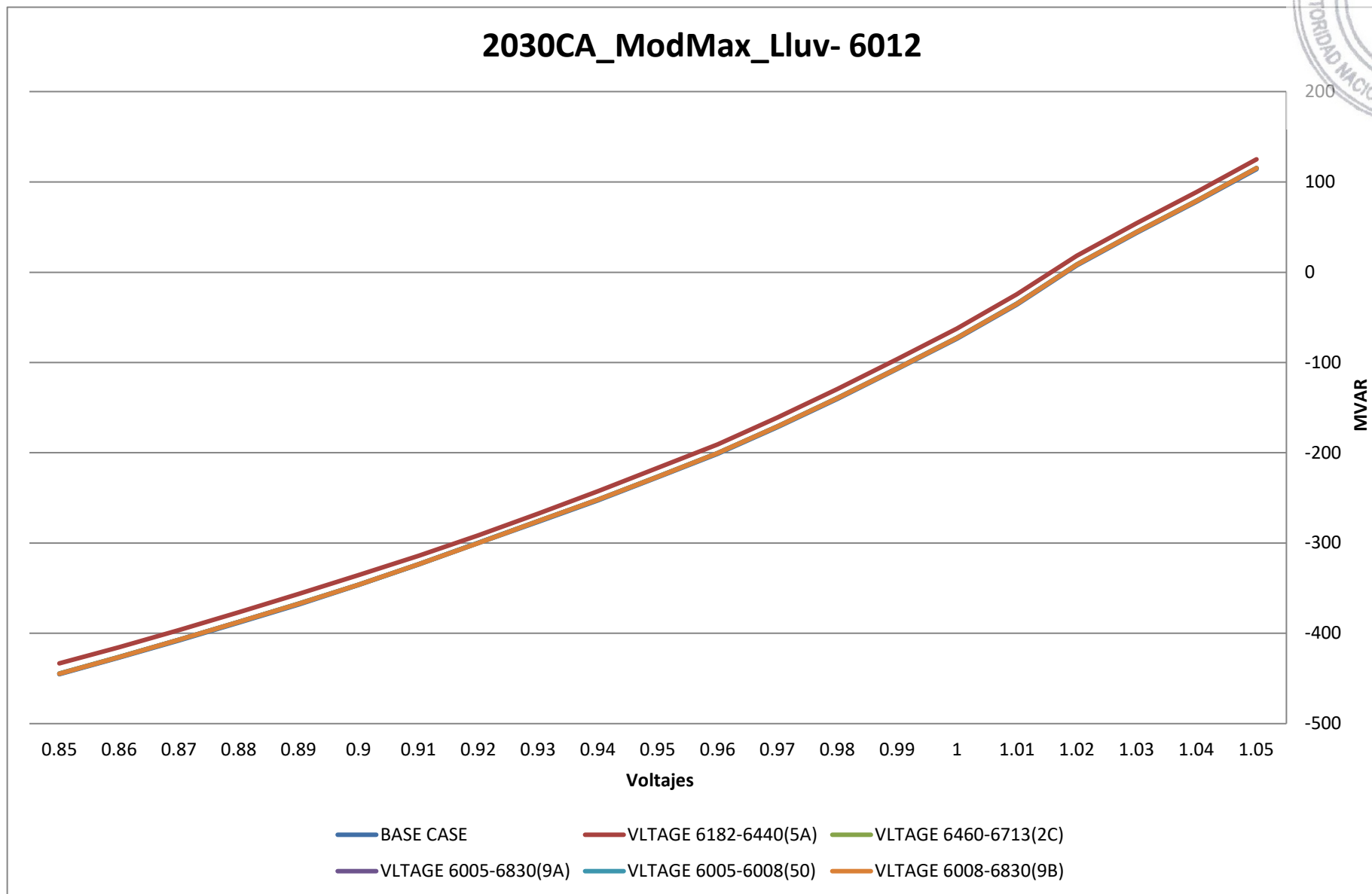


2030CA_ModMax_Lluv- 6011



BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

2030CA_ModMax_Lluv- 6012



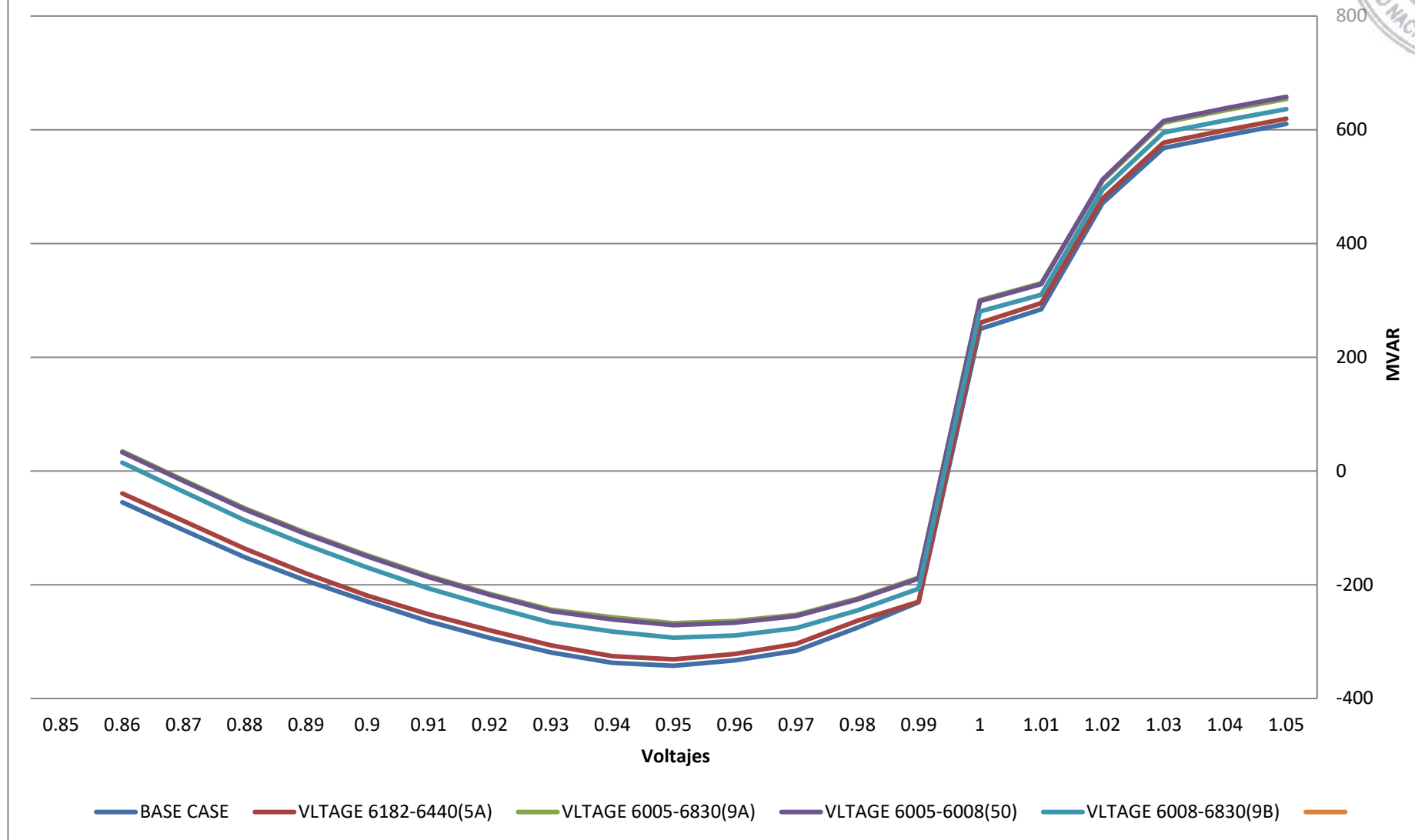


2032 LLUVIOSA

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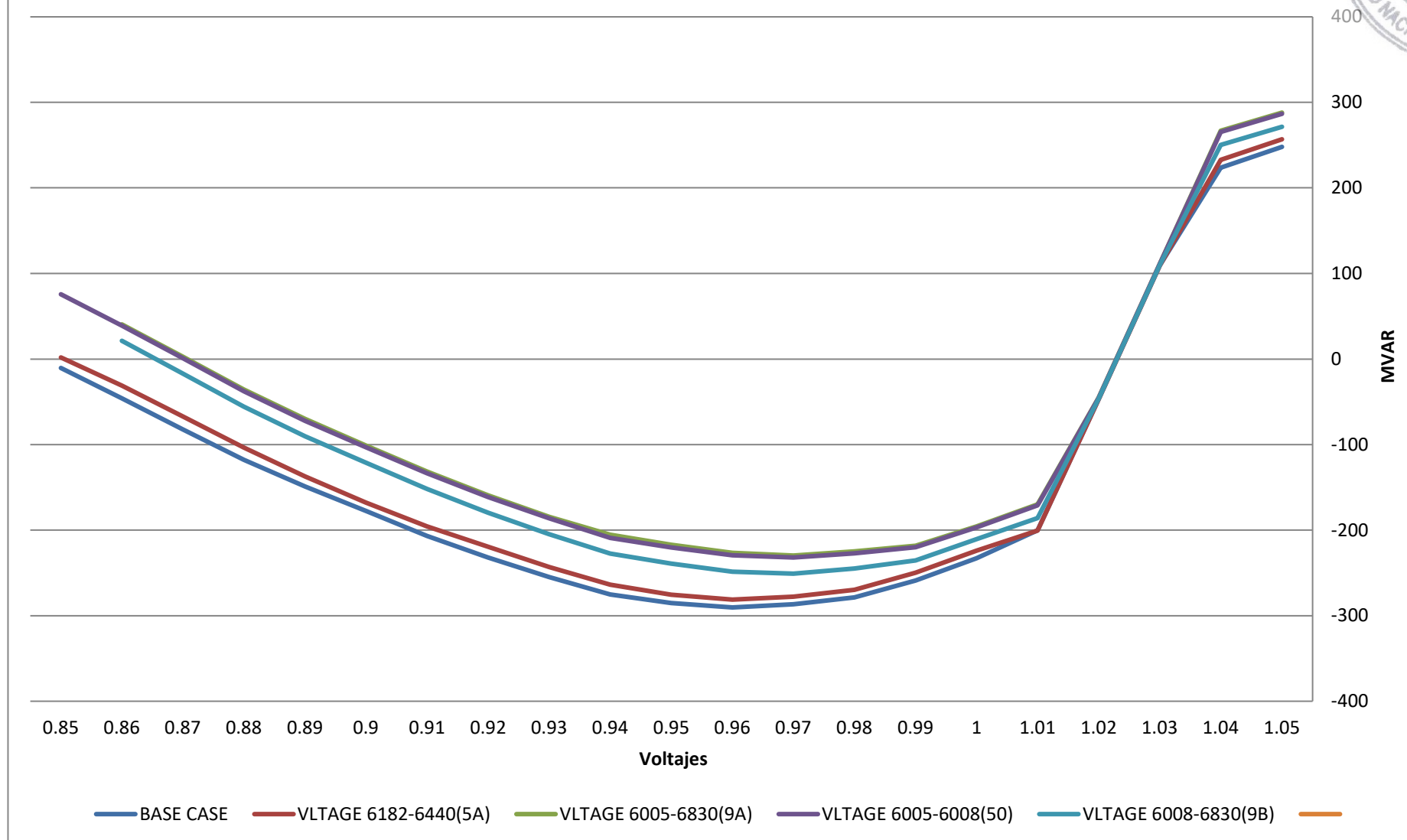


2032CA_ModMax_Lluv- 6001

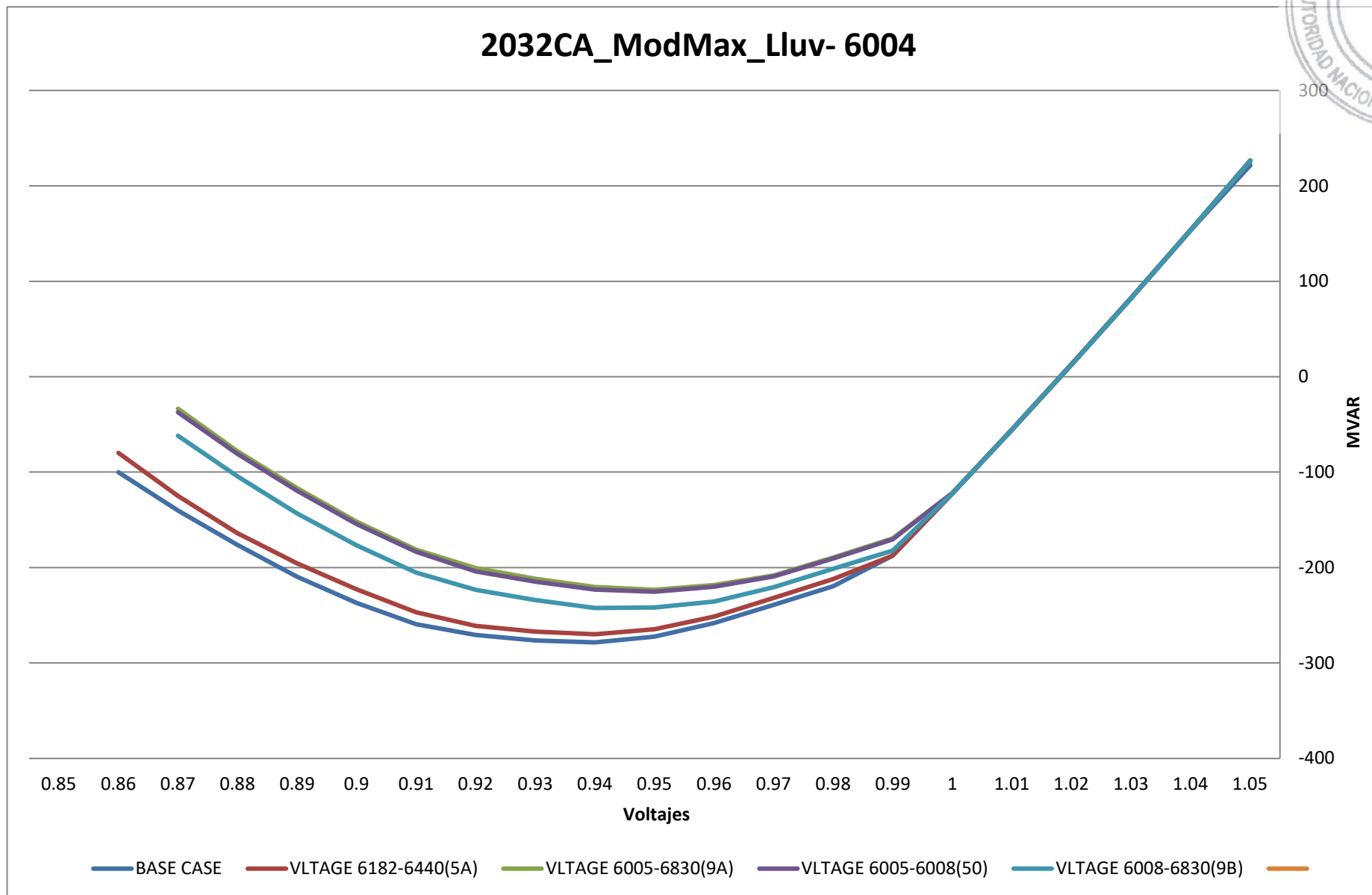


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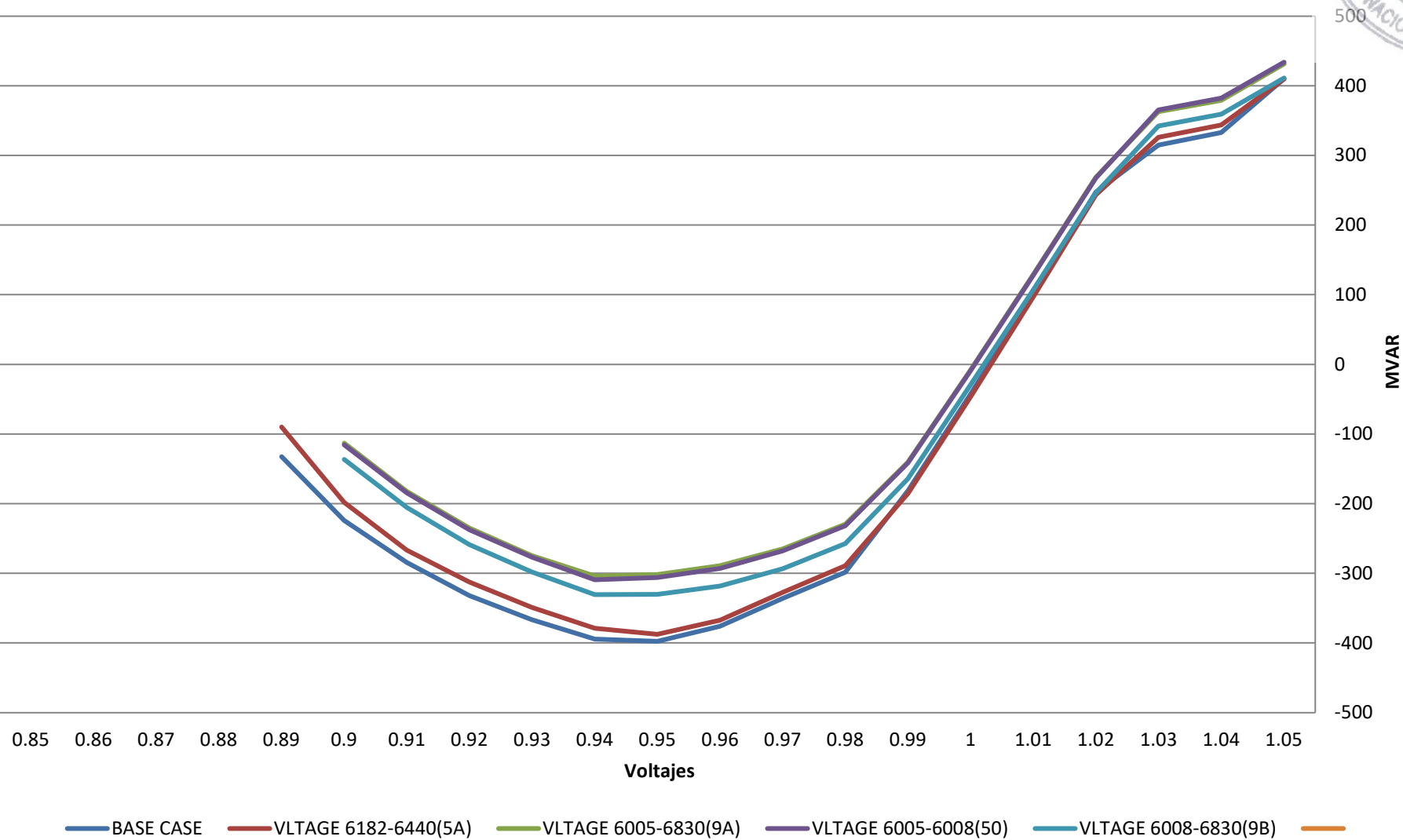
2032CA_ModMax_Lluv- 6002



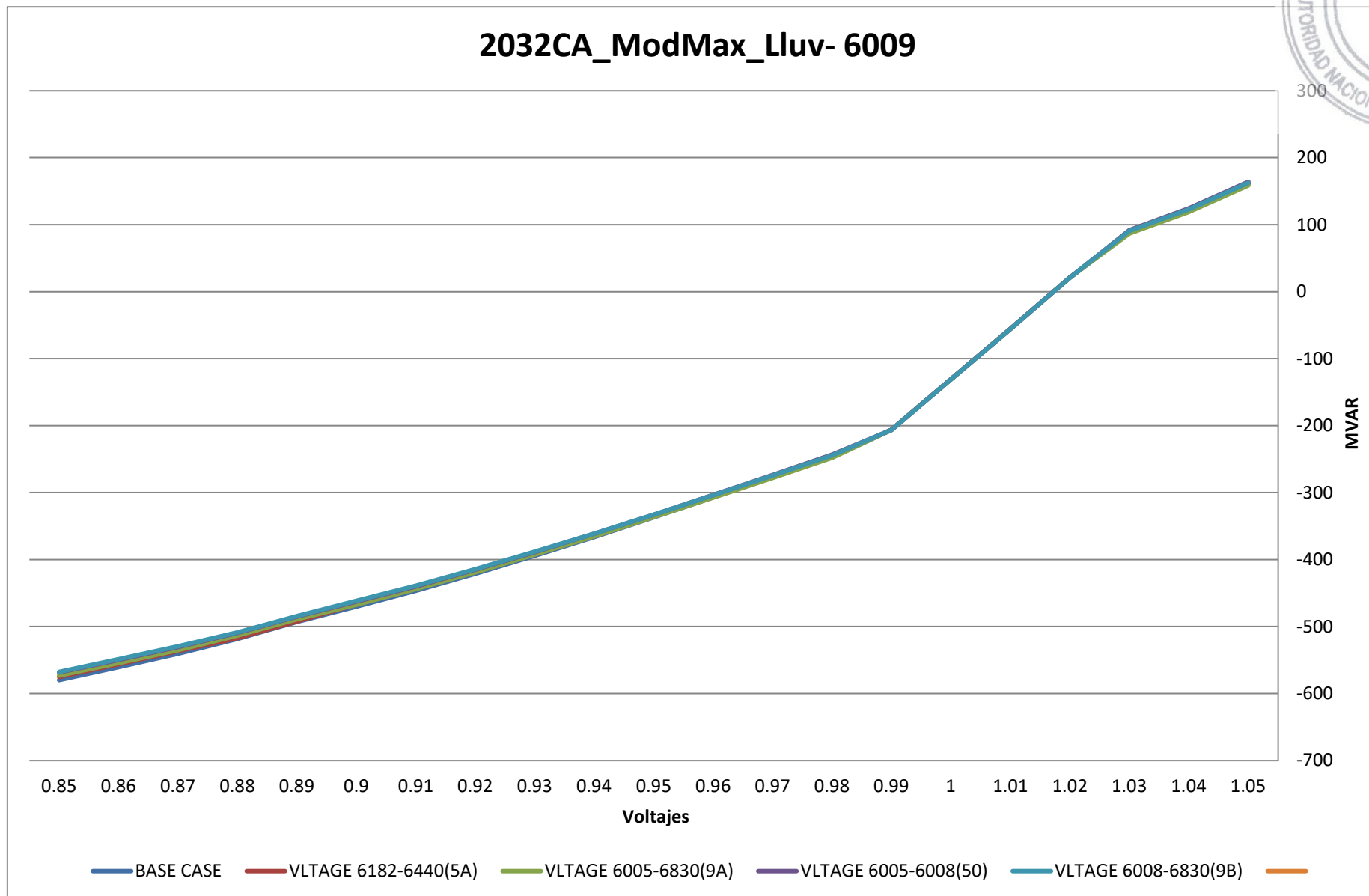
2032CA_ModMax_Lluv- 6004



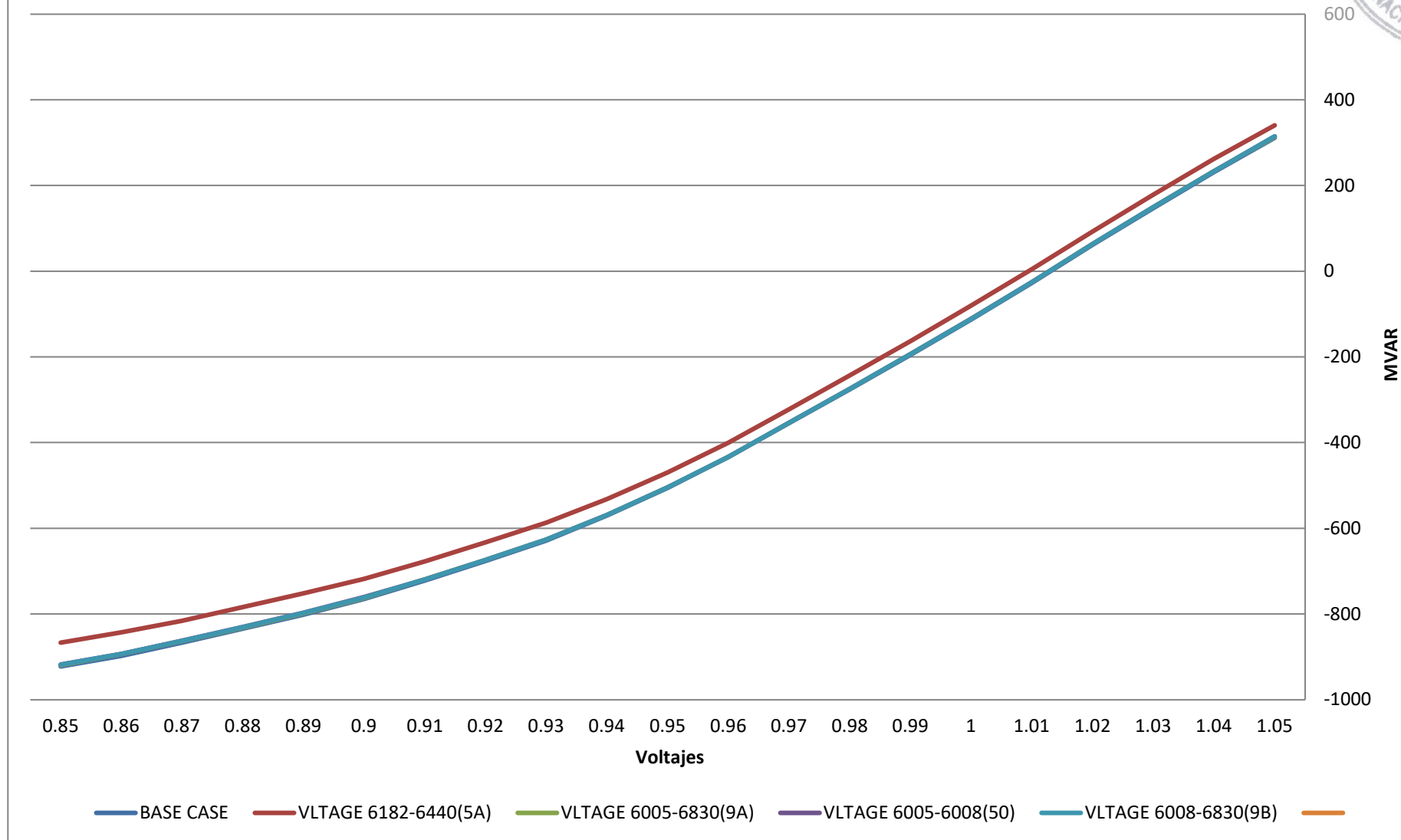
2032CA_ModMax_Lluv- 6005



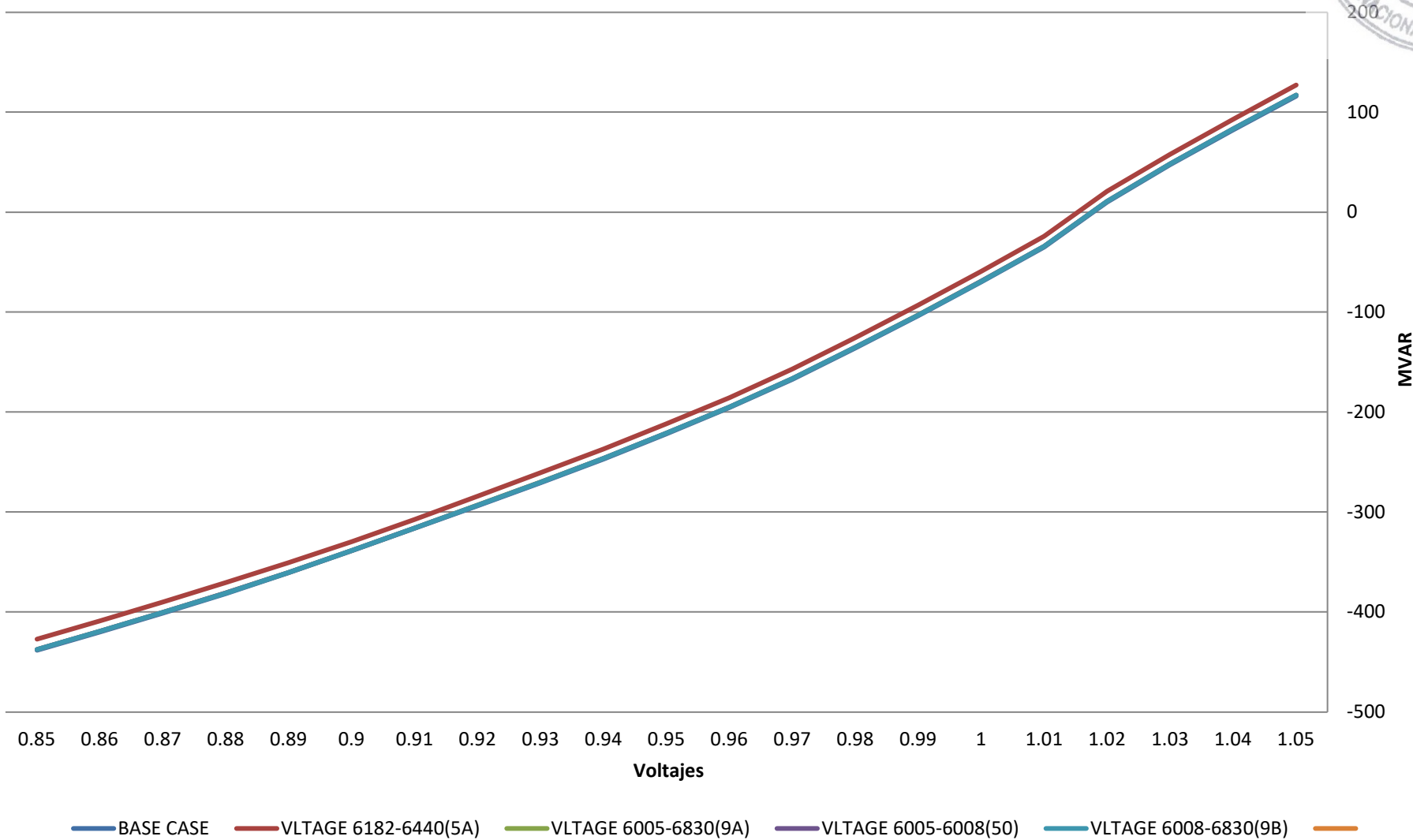
2032CA_ModMax_Lluv- 6009



2032CA_ModMax_Lluv- 6011



2032CA_ModMax_Lluv- 6012

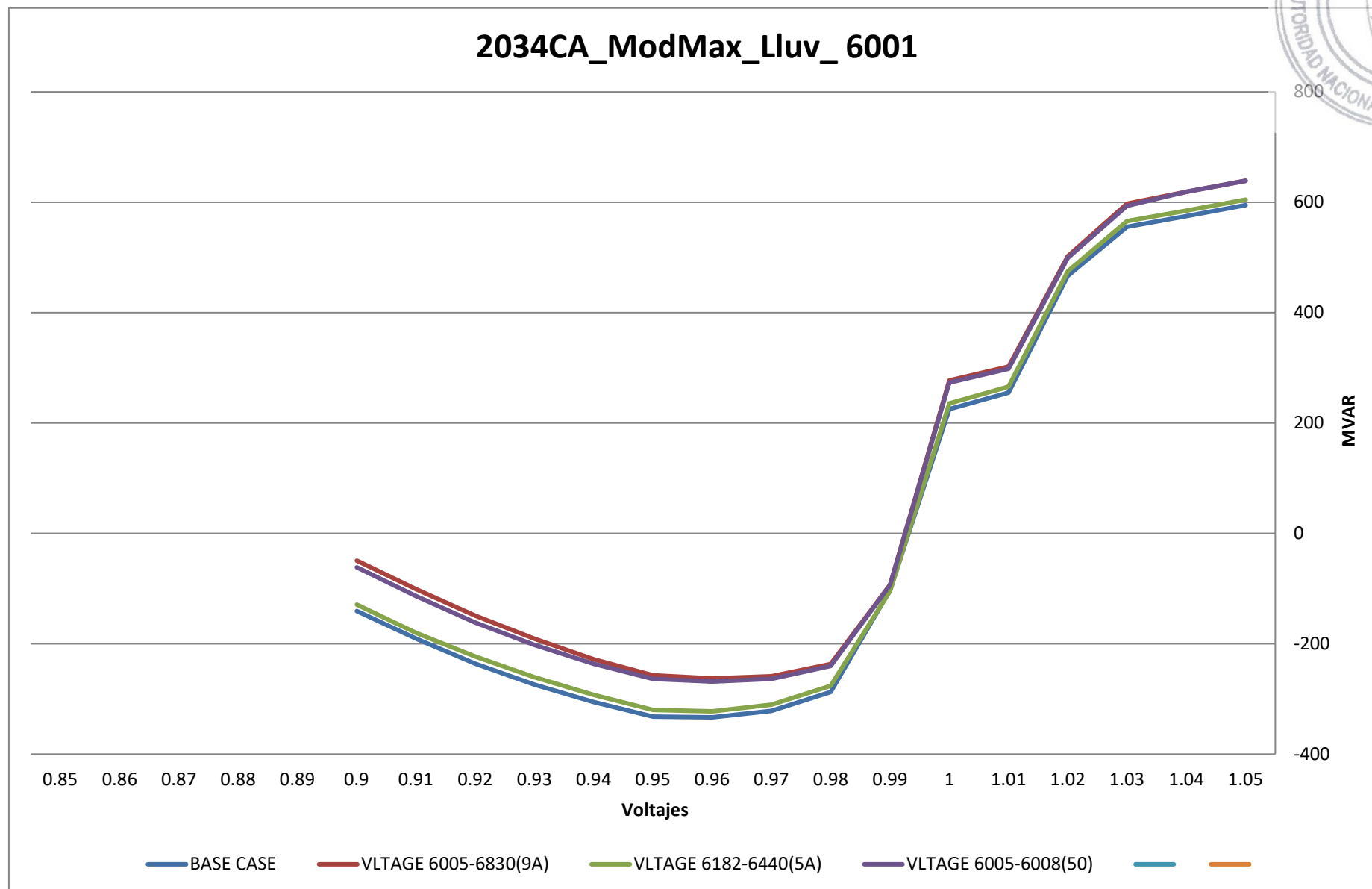




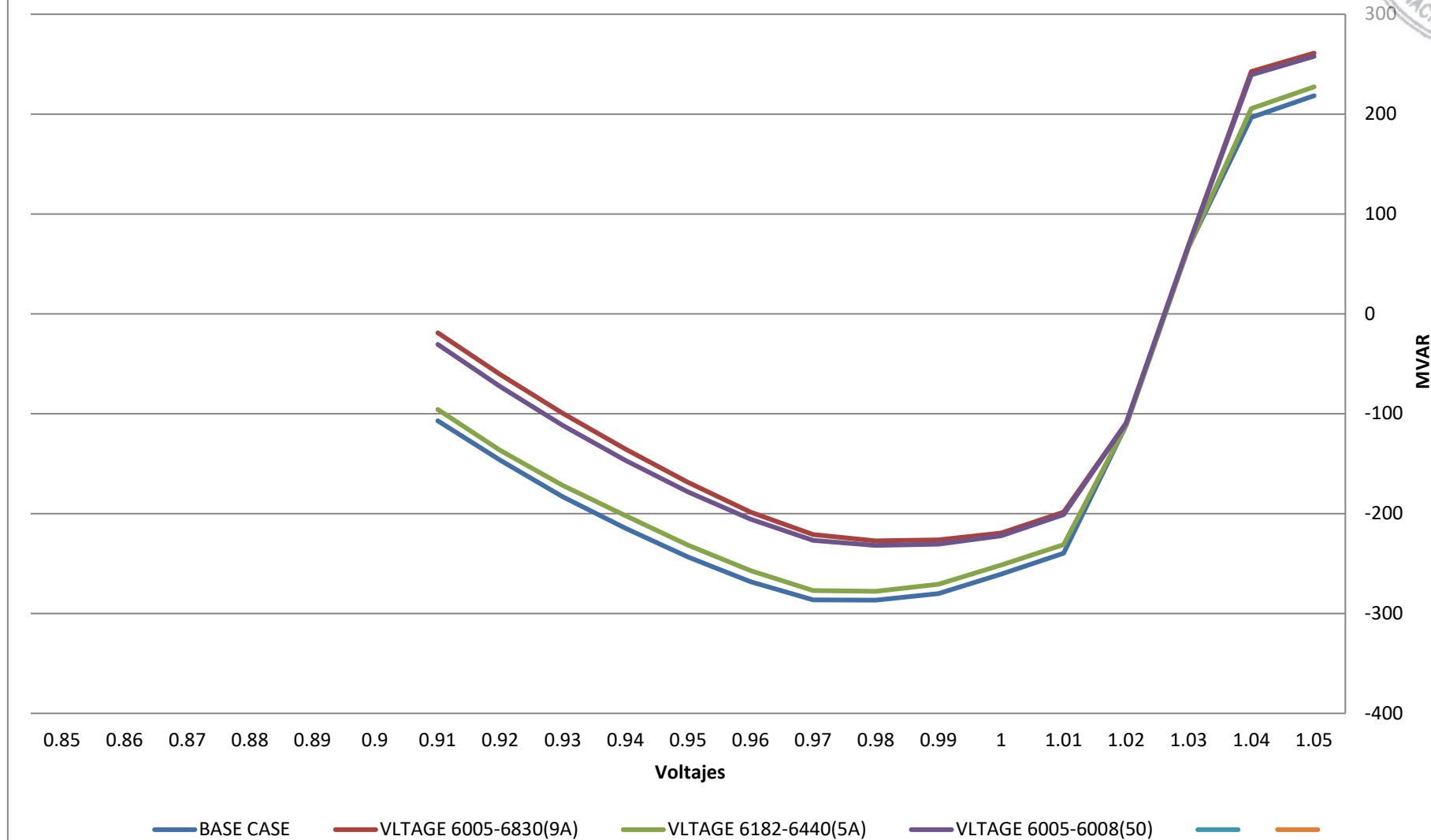
2034 LLUVIOSA

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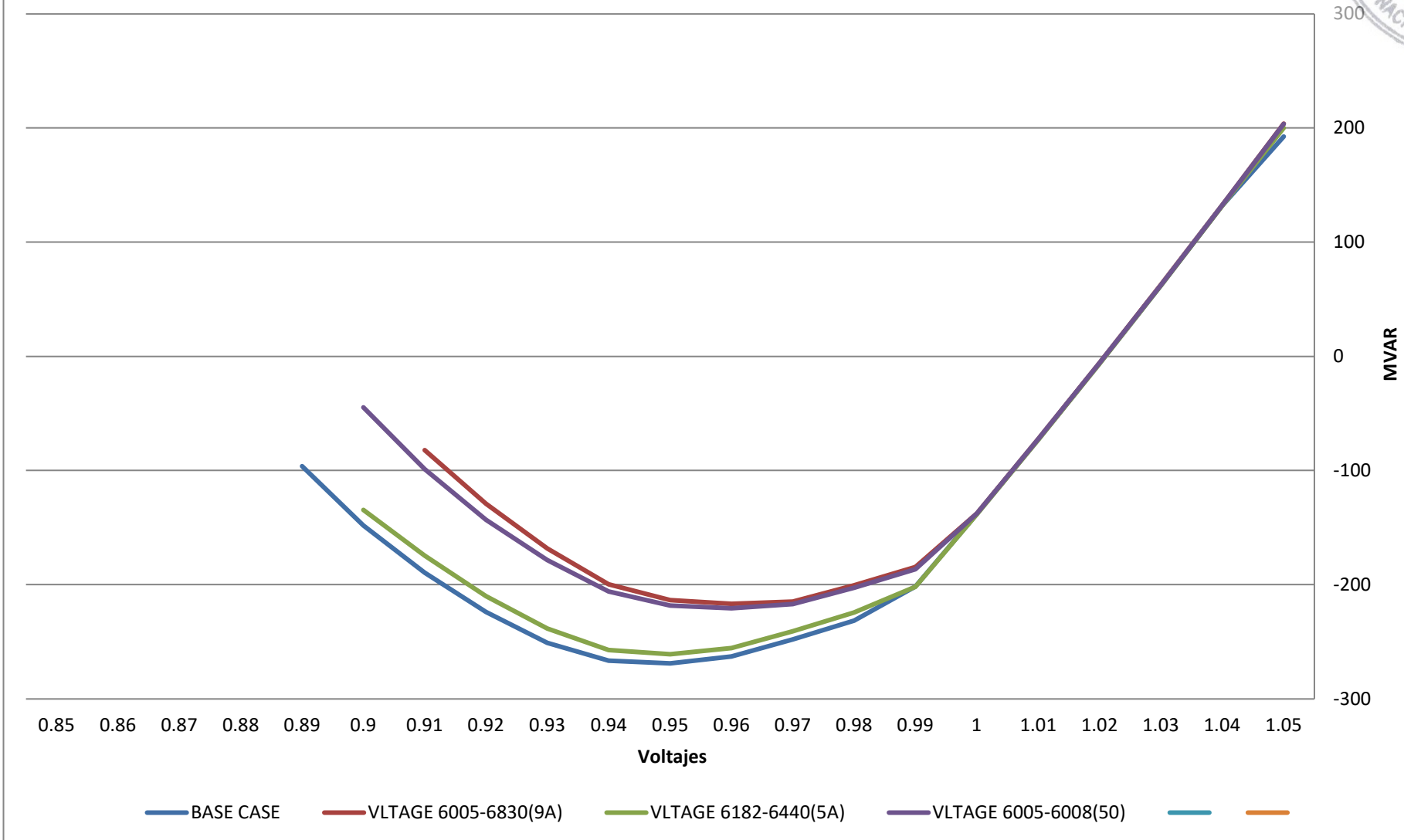
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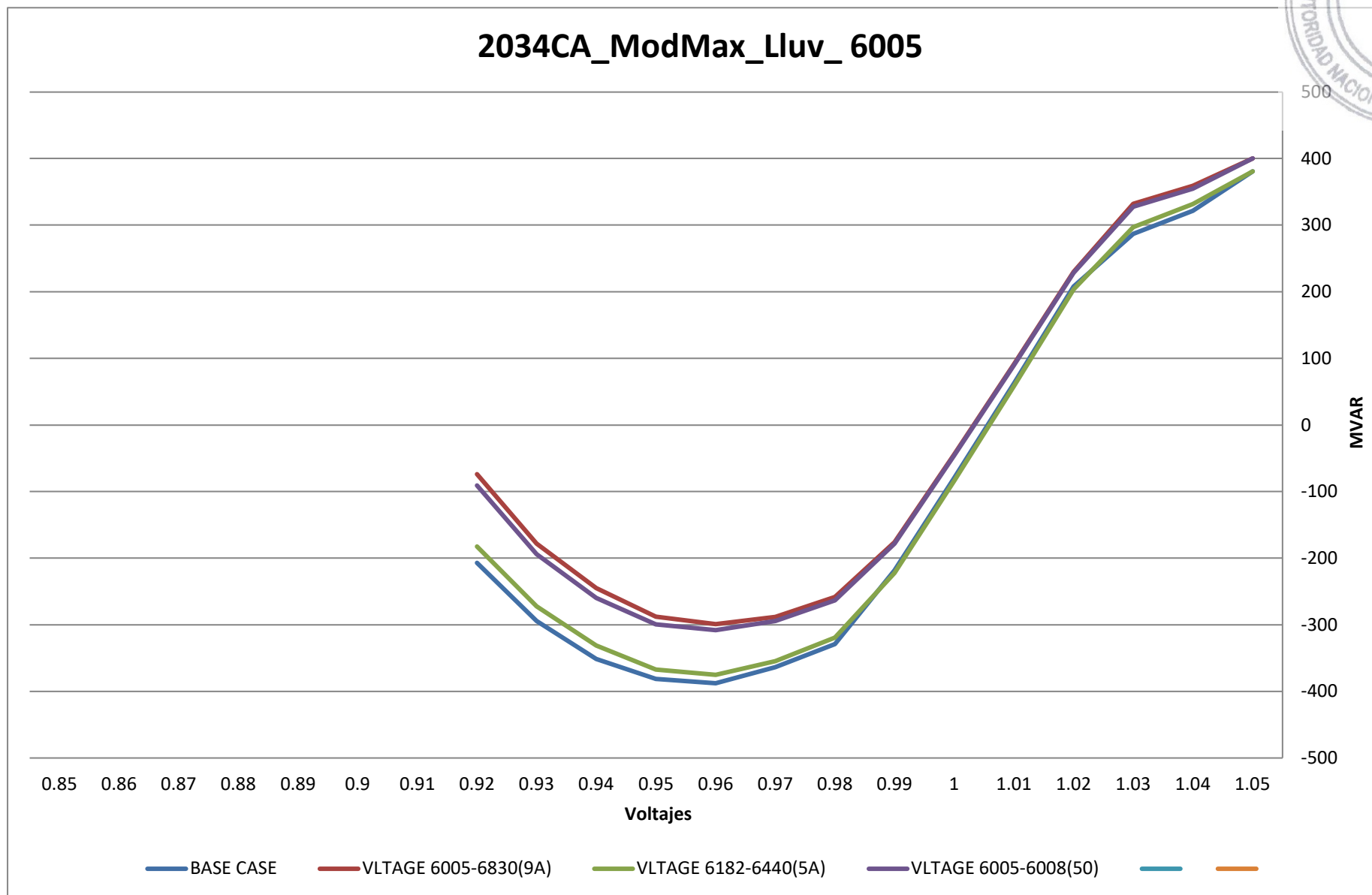
2034CA_ModMax_Lluv_6002



2034CA_ModMax_Lluv_6004

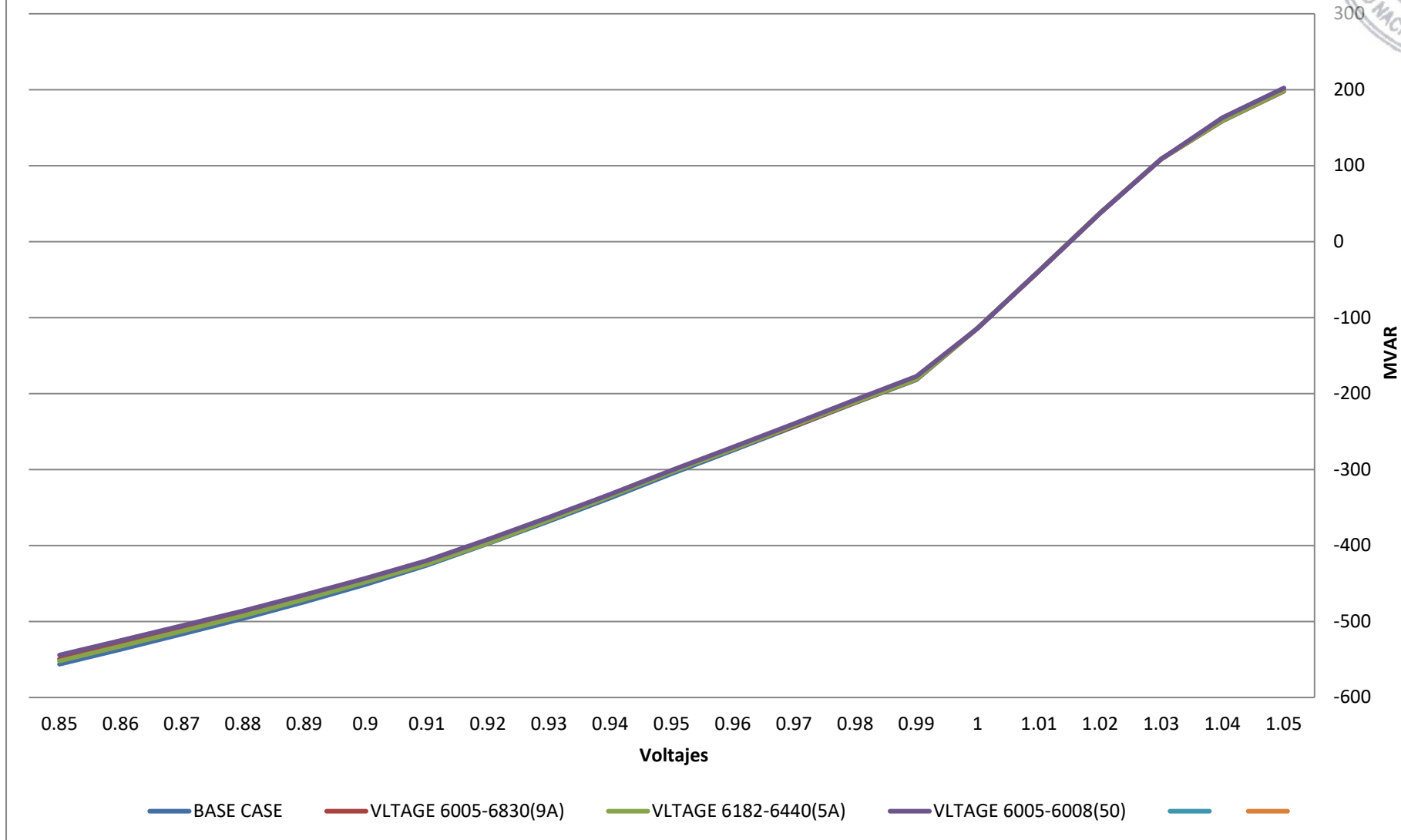


2034CA_ModMax_Lluv_ 6005



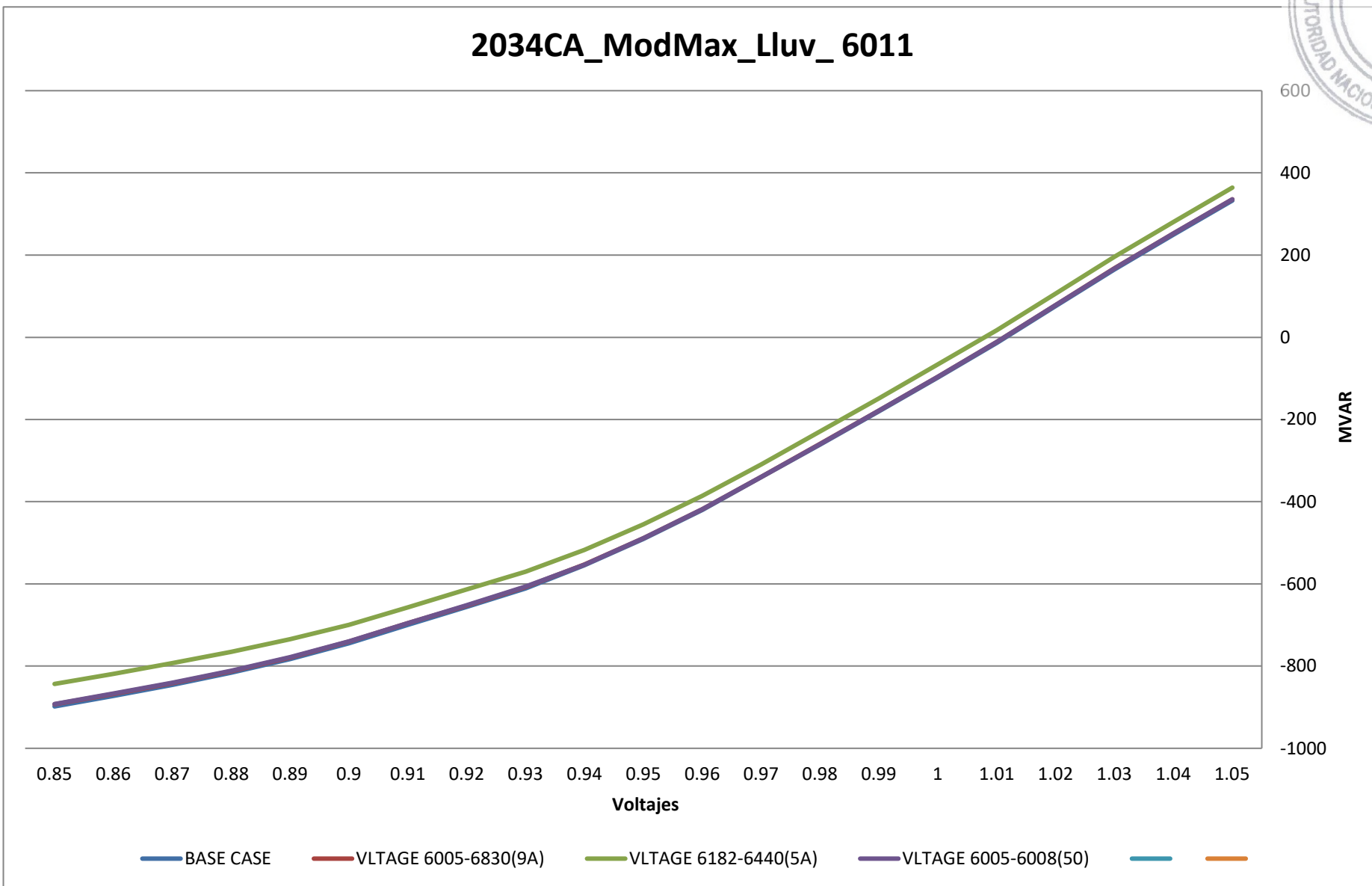


2034CA_ModMax_Lluv_6009





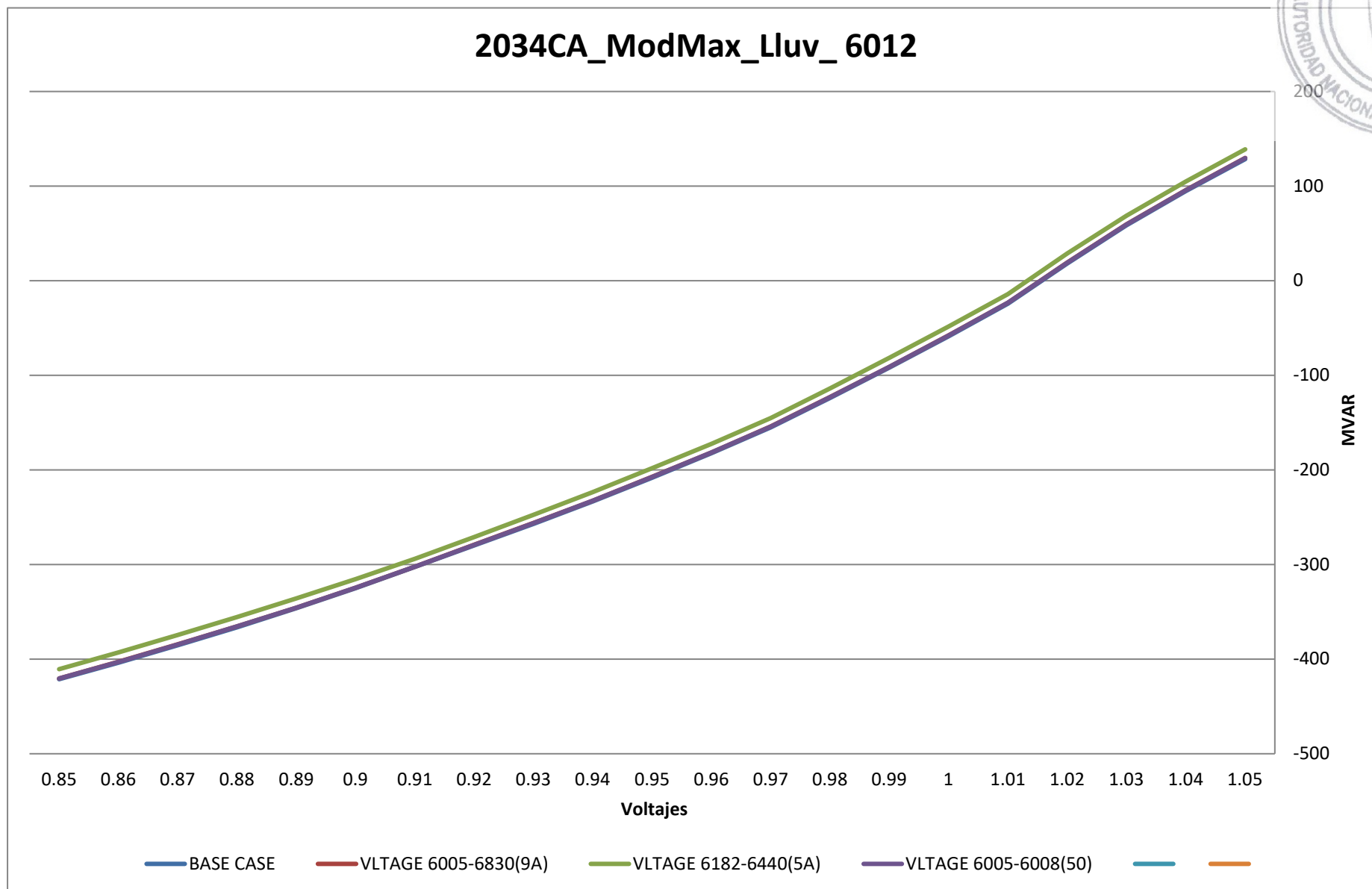
2034CA_ModMax_Lluv_6011



AP



2034CA_ModMax_Lluv_ 6012



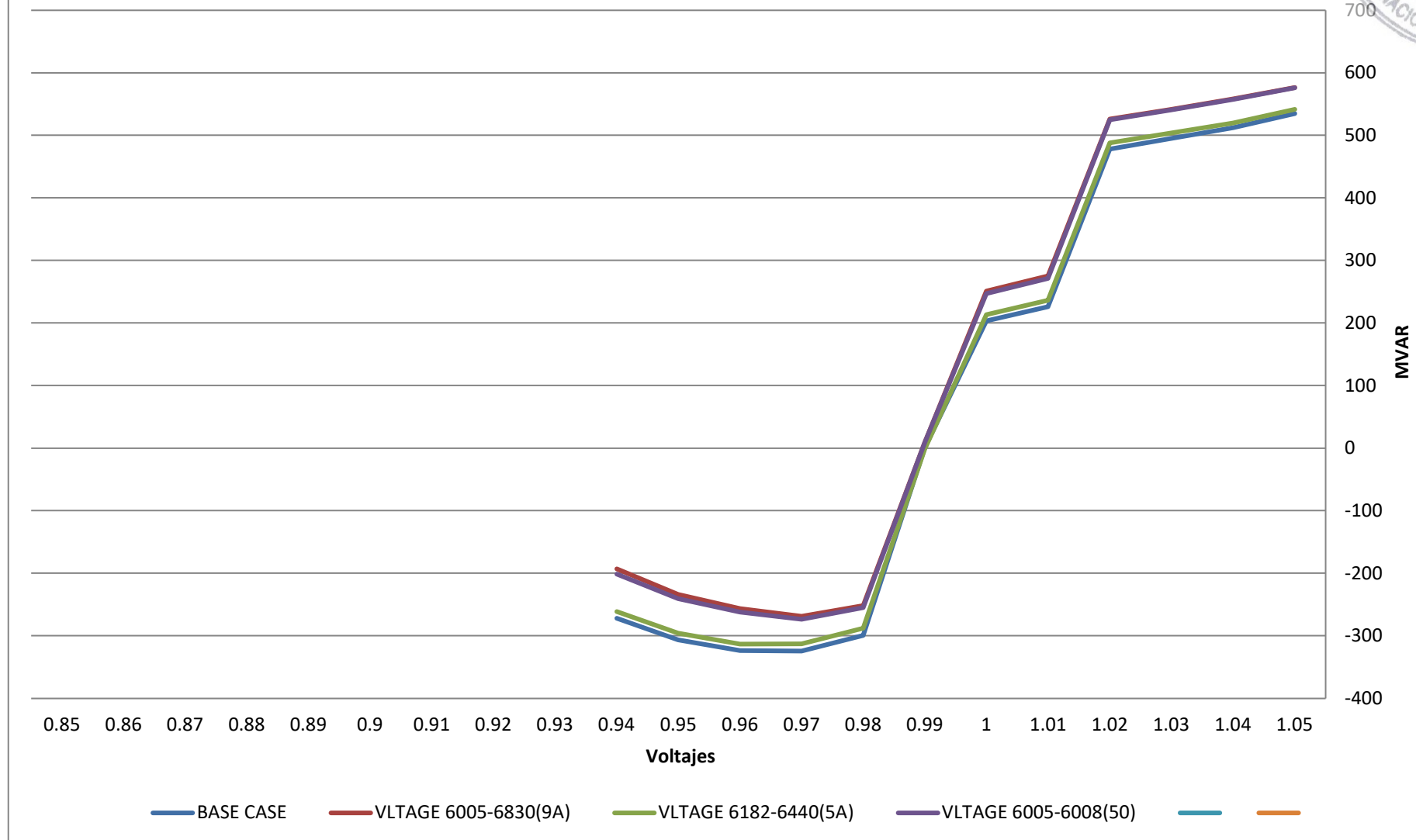
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2036 LLUVIOSA

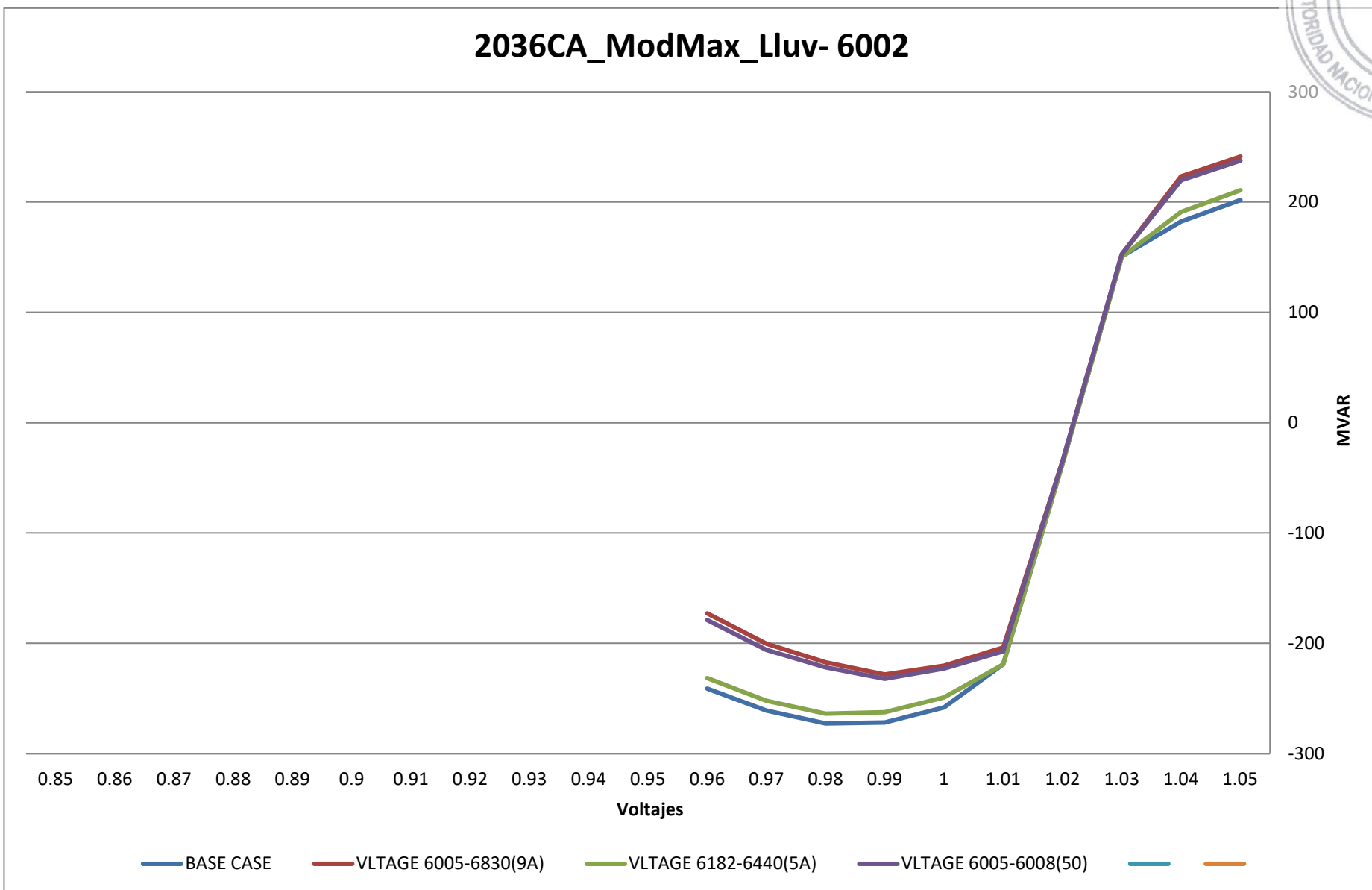
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2036_ModMax_Lluv- 6001



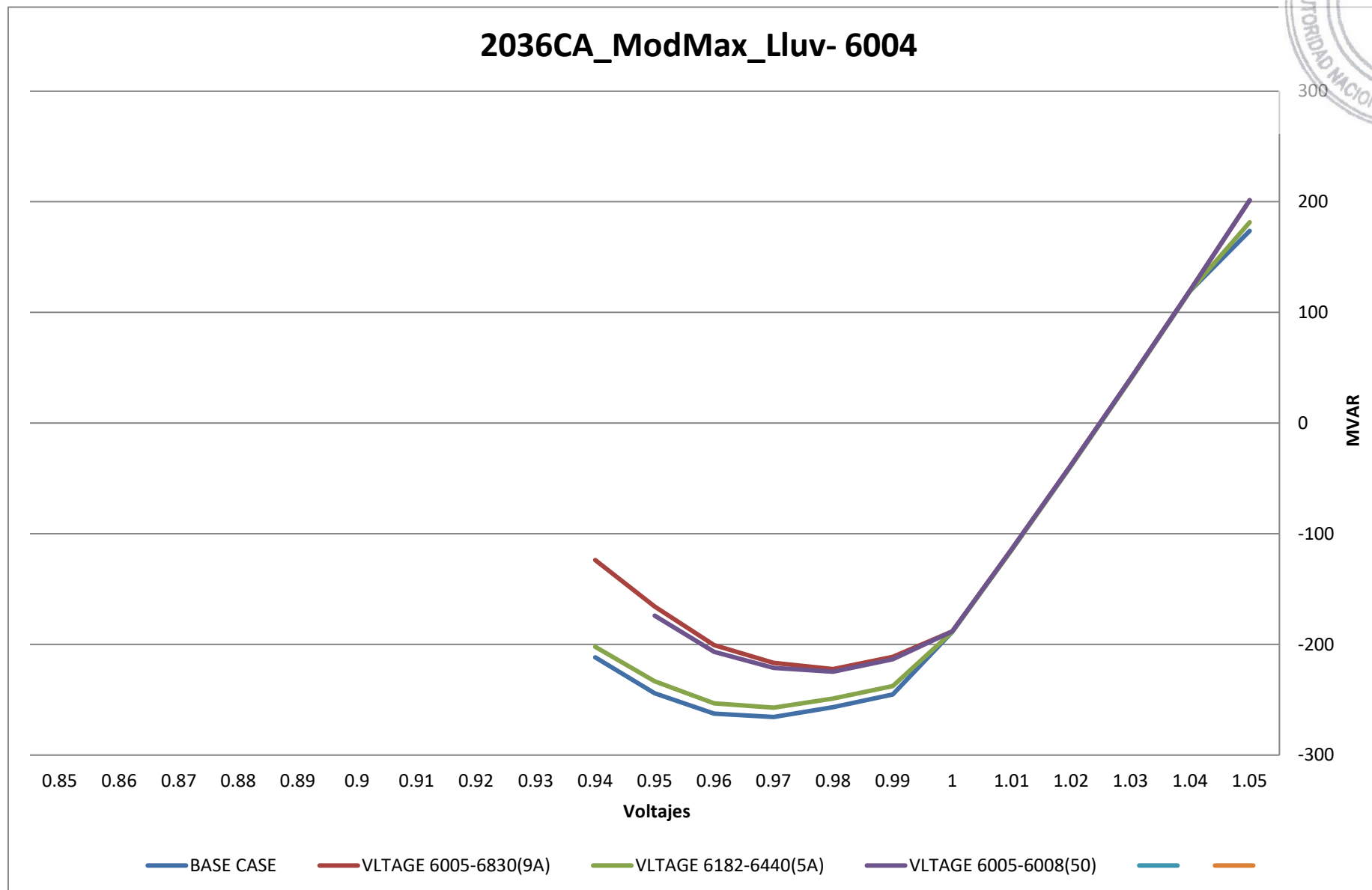


2036CA_ModMax_Lluv- 6002



AP

2036CA_ModMax_Lluv- 6004





2036CA_ModMax_Lluv- 6005

400

300

200

100

0

MVAR

-100

-200

-300

-400

-500

0.85 0.86 0.87 0.88 0.89 0.9 0.91 0.92 0.93 0.94 0.95 0.96 0.97 0.98 0.99 1 1.01 1.02 1.03 1.04 1.05

Voltajes

— BASE CASE

— VLTAGE 6005-6830(9A)

— VLTAGE 6182-6440(5A)

— VLTAGE 6005-6008(50)

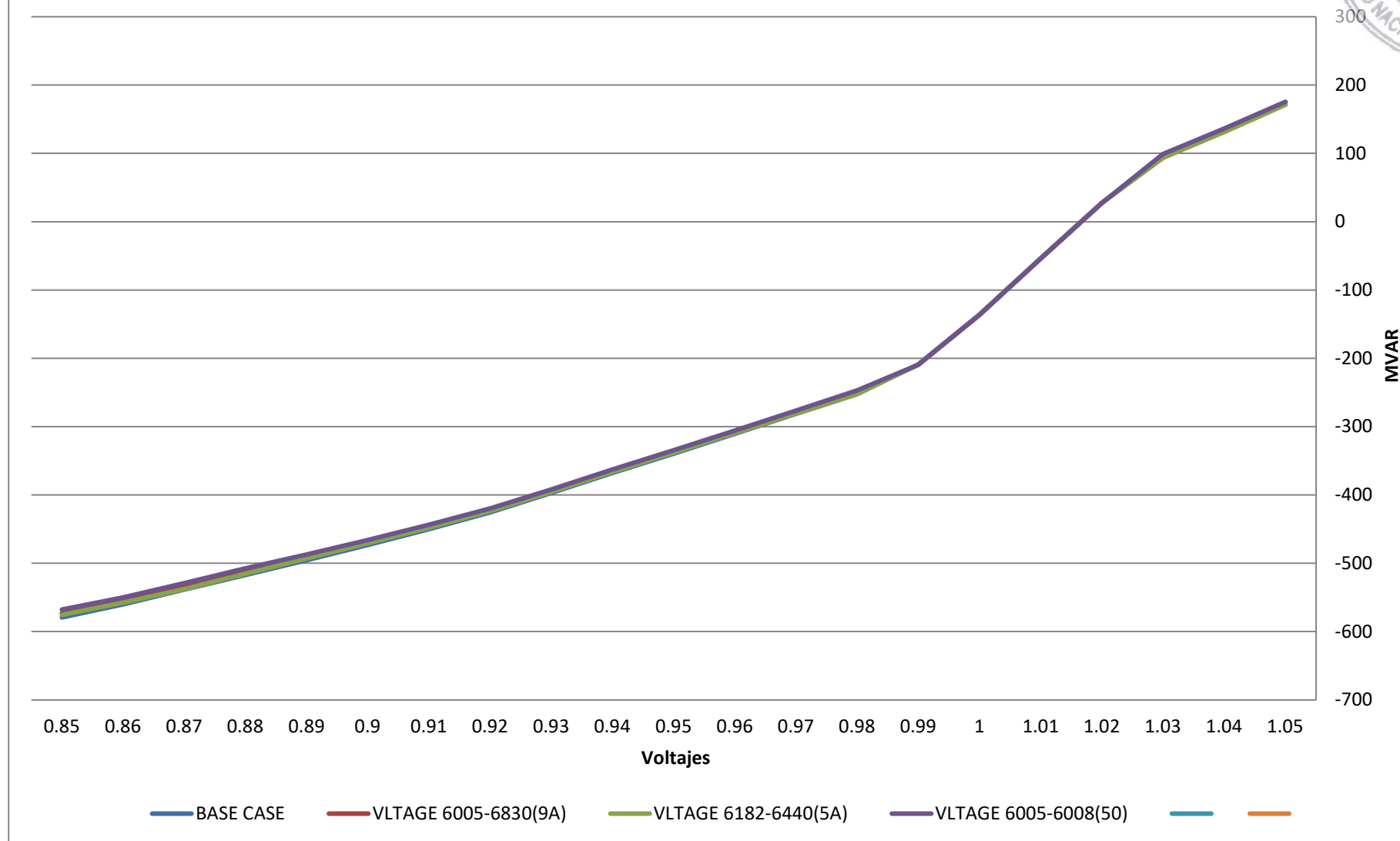
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AP



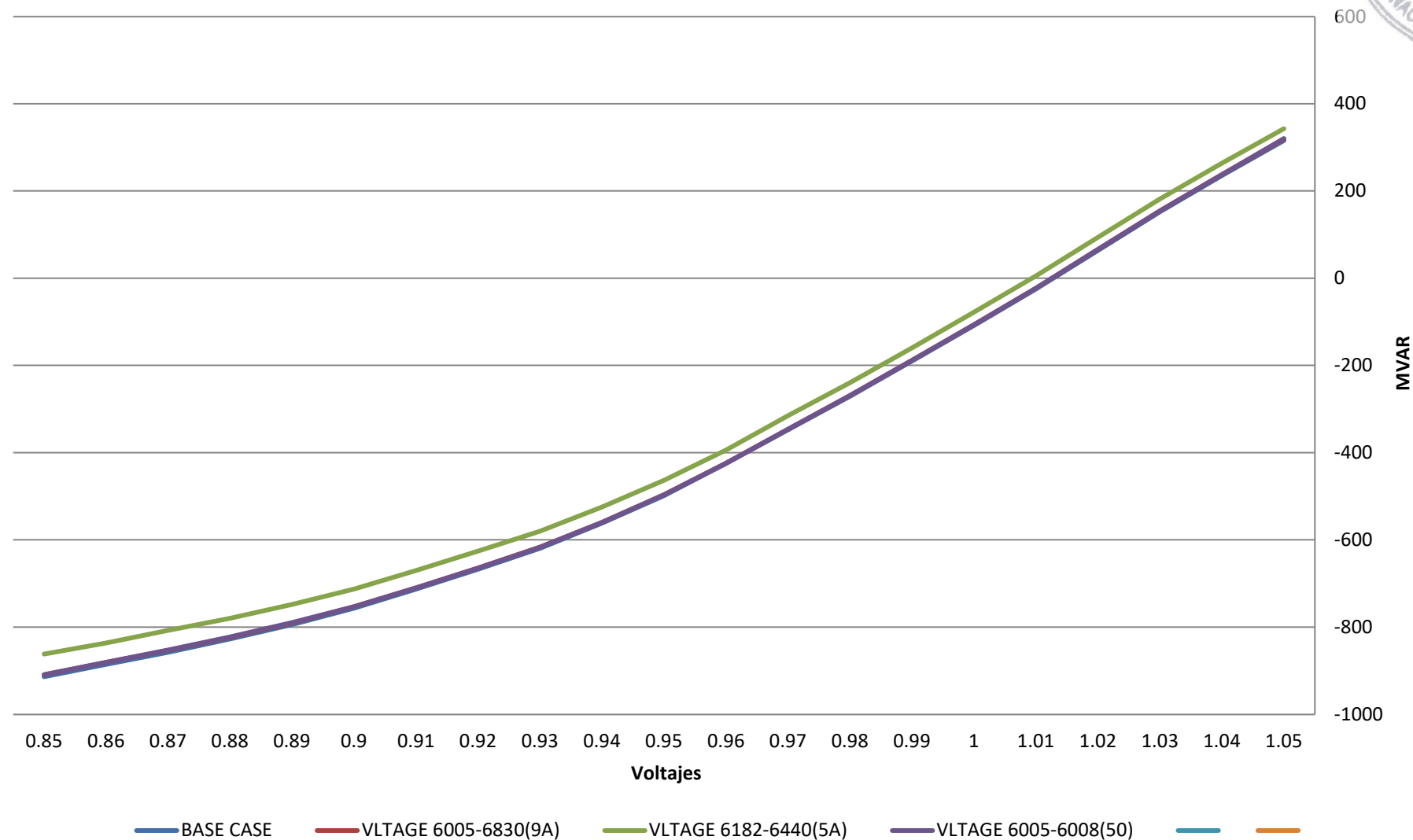
2036CA_ModMax_Lluv- 6009



AP

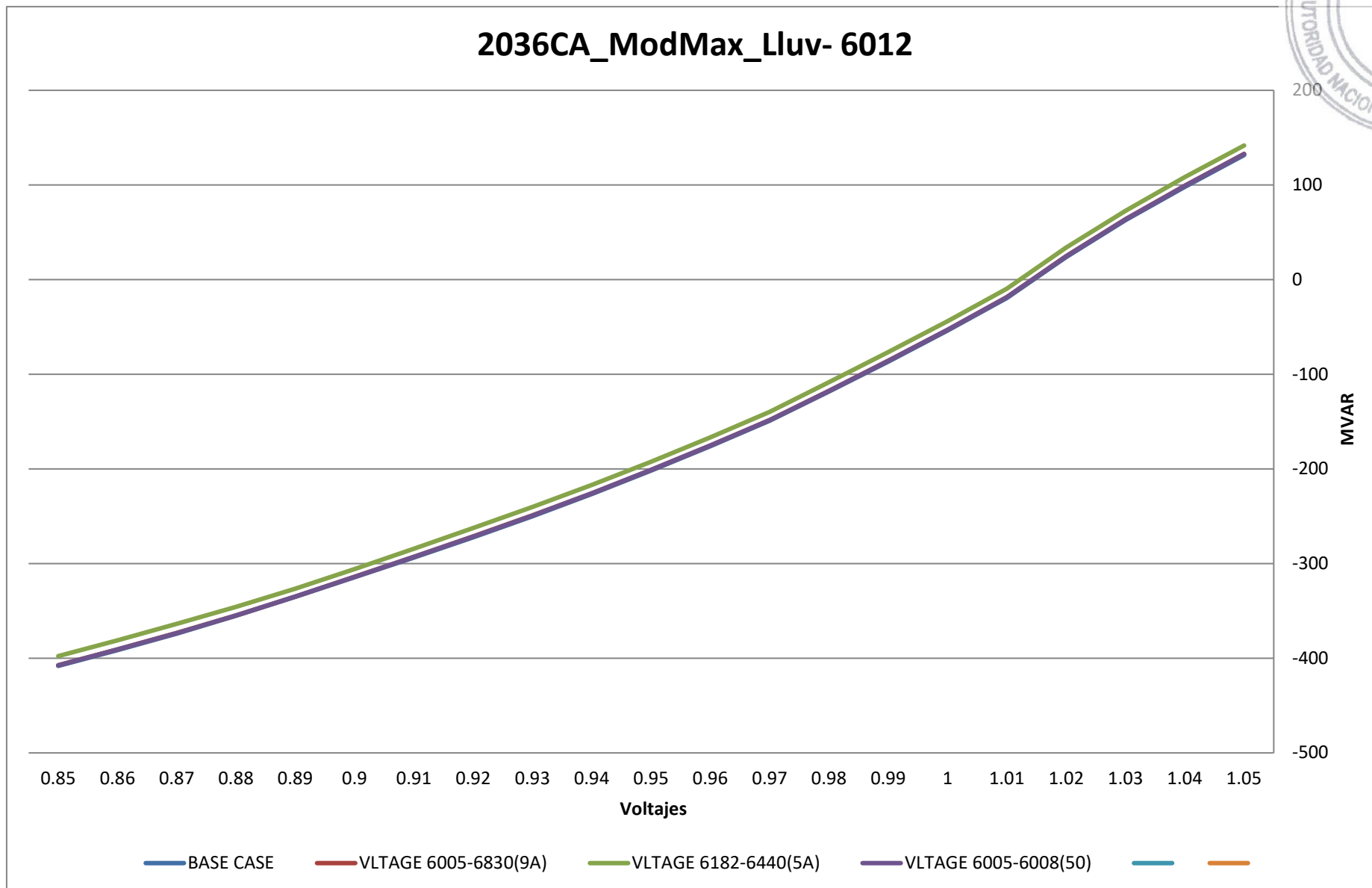


2036CA_ModMax_Lluv- 6011



AP

2036CA_ModMax_Lluv- 6012





CASO 1

4LT 2030KV

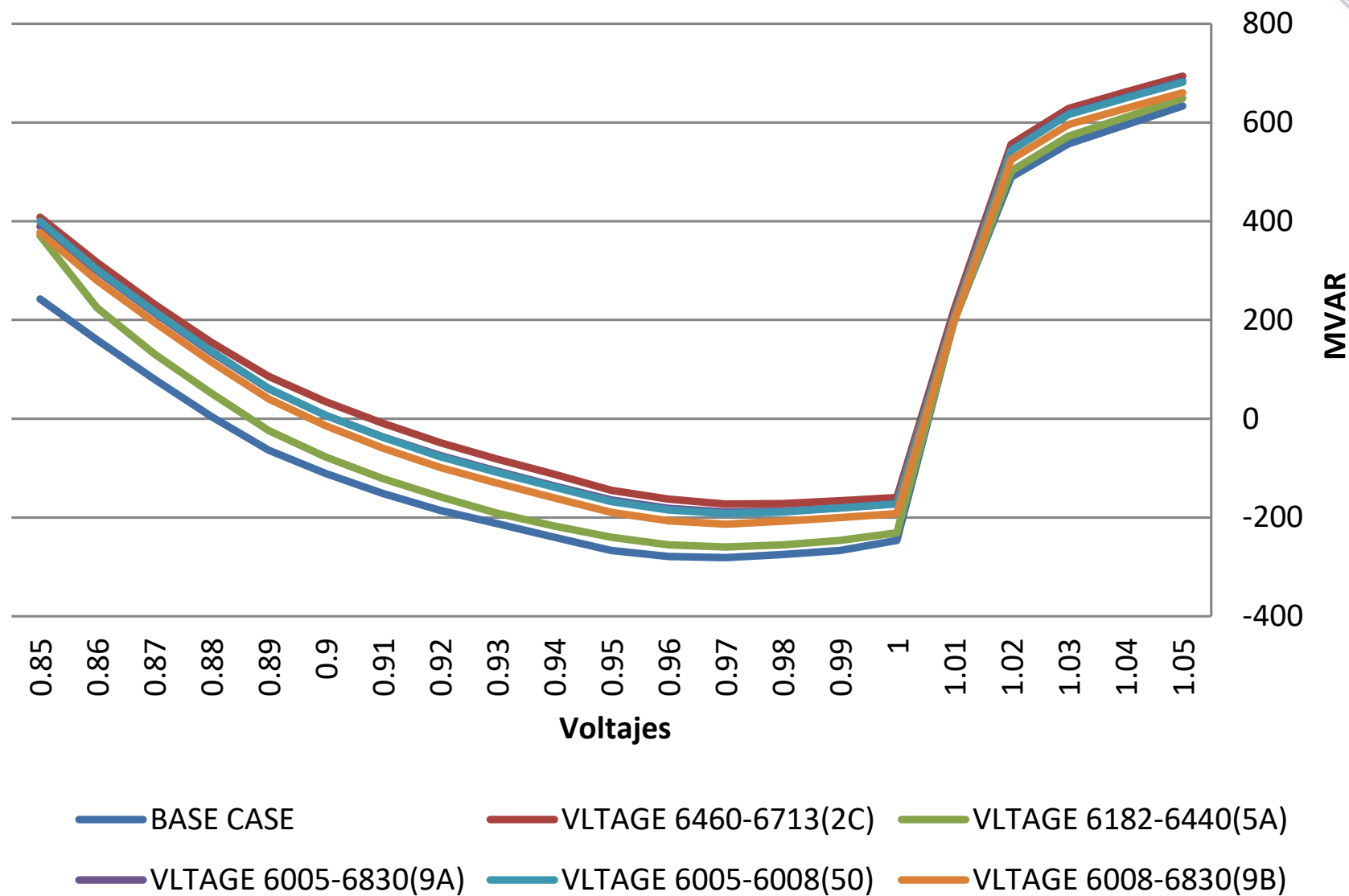
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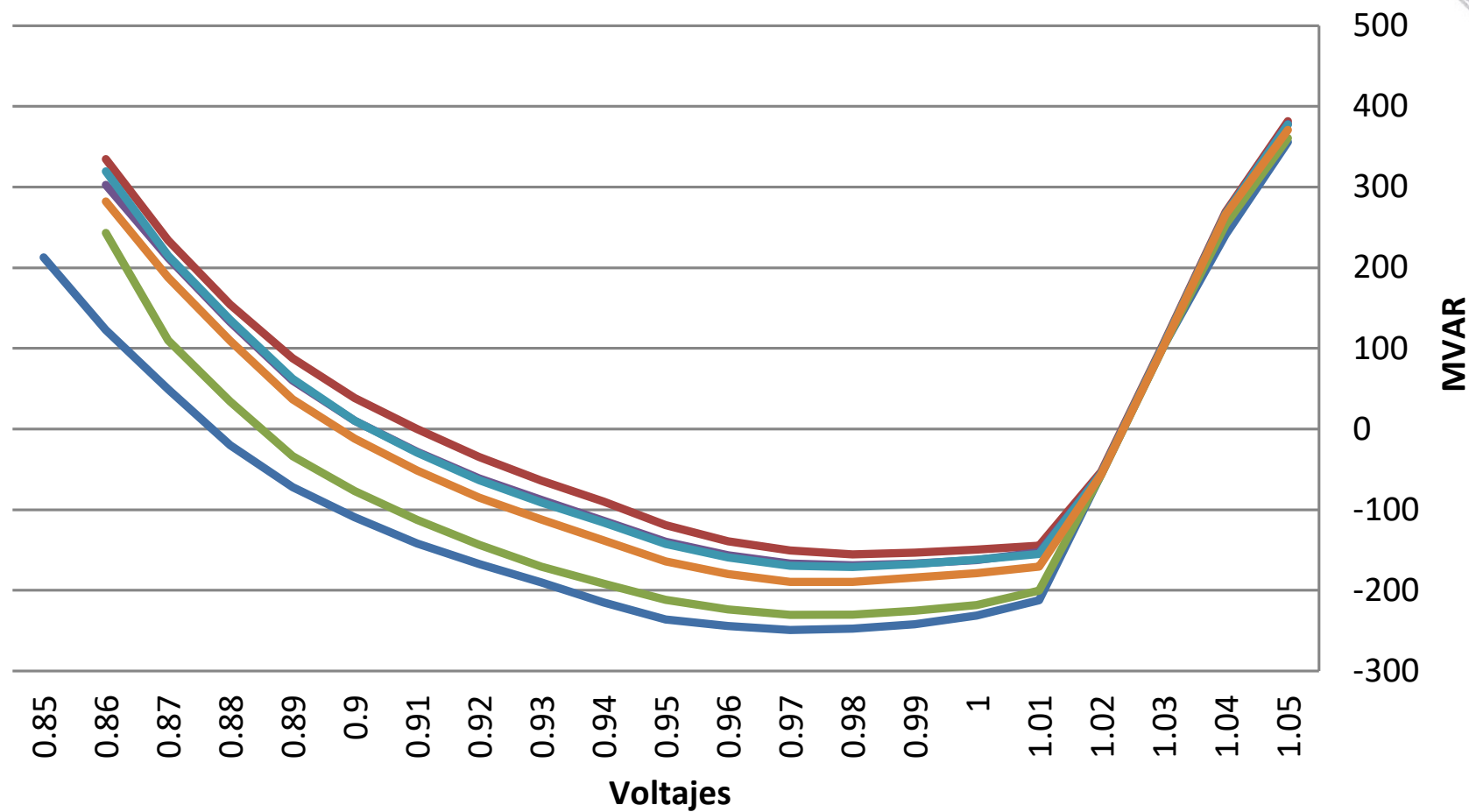
2030 LLUVIOSA

AB

2030CA_ModMax_Lluv- 6001

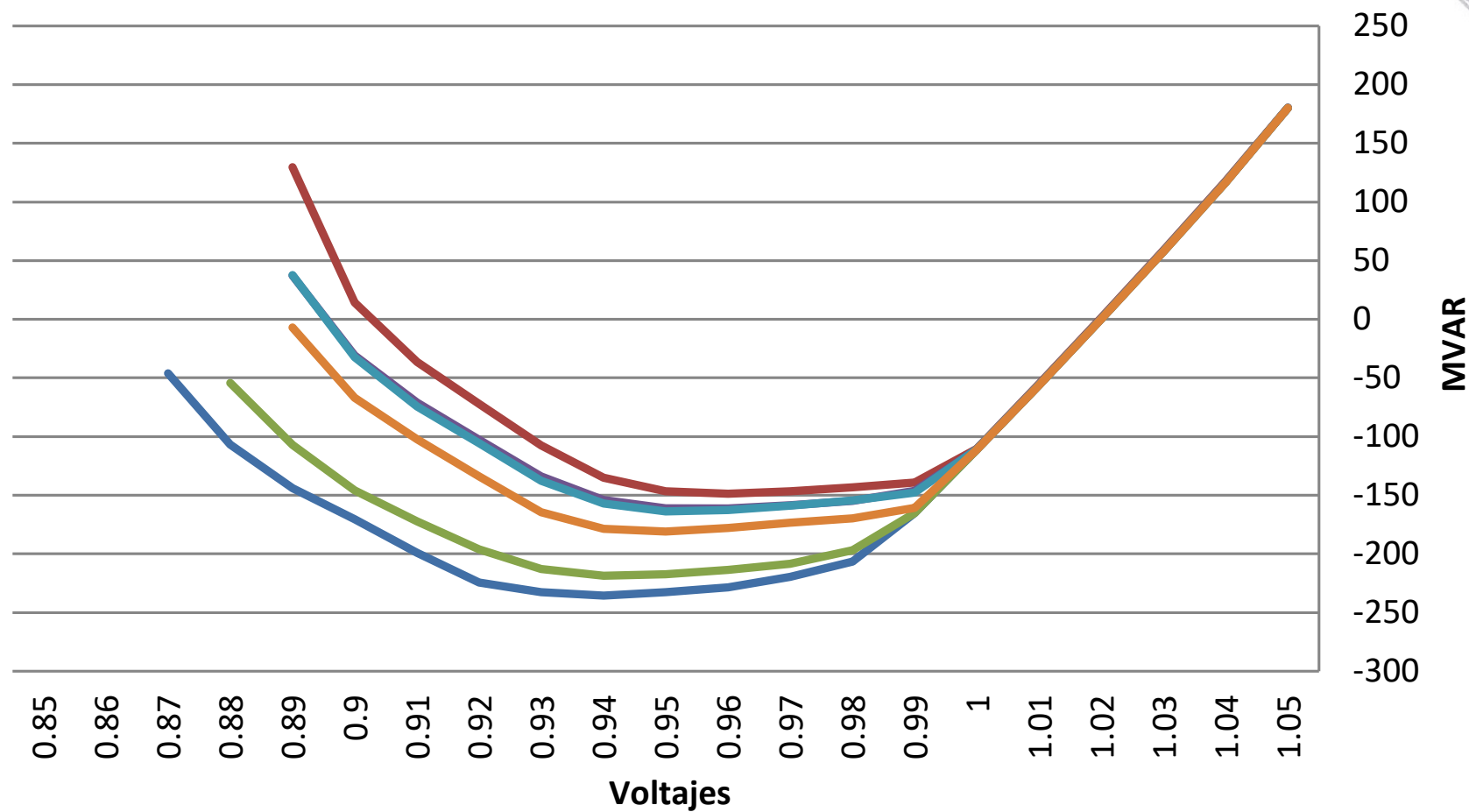


2030CA_ModMax_Lluv- 6002



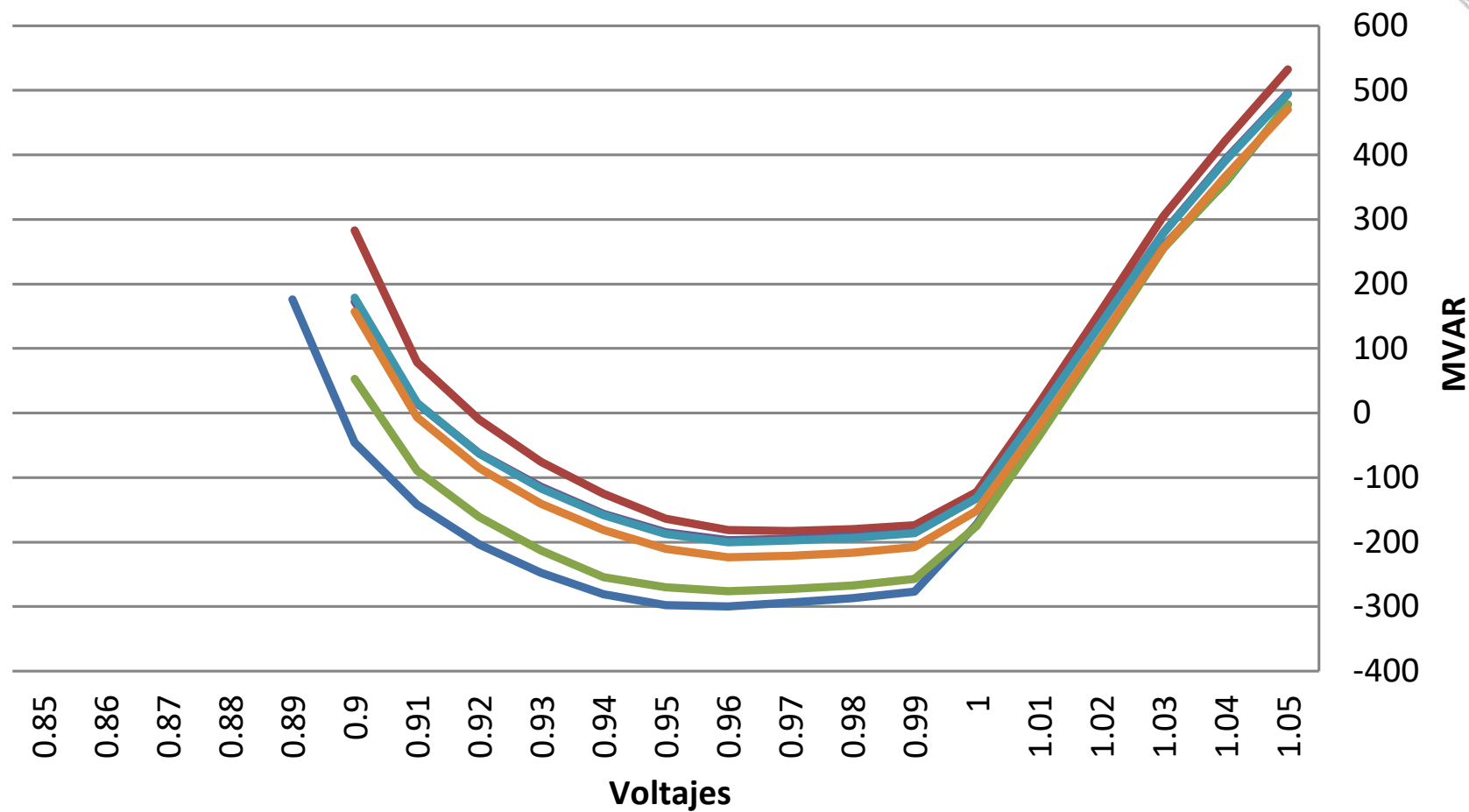
BASE CASE
VLTAGE 6005-6830(9A)
VLTAGE 6005-6008(50)
VLTAGE 6008-6830(9B)
VLTAGE 6182-6440(5A)
VLTAGE 6460-6713(2C)

2030CA_ModMax_Lluv- 6004



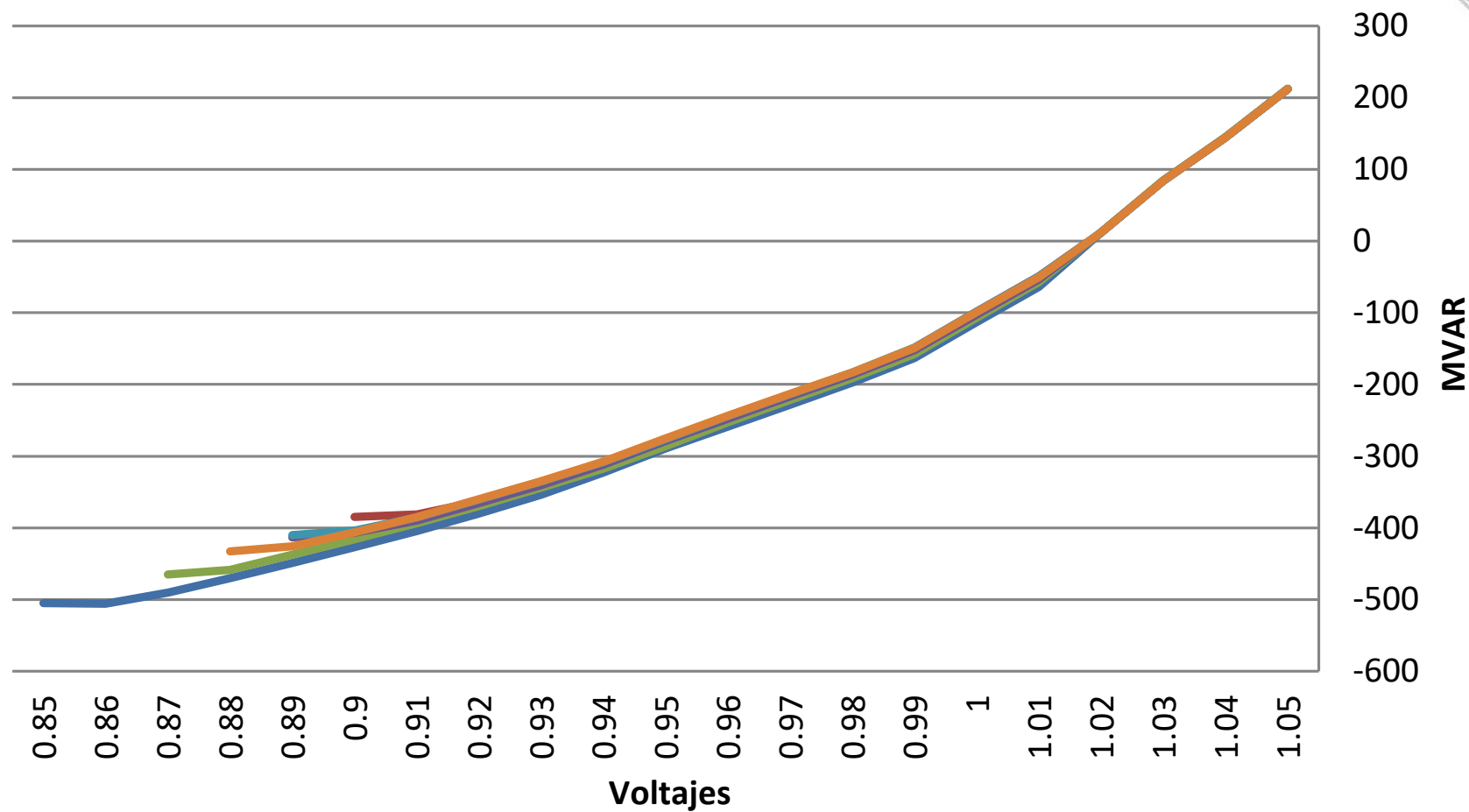
— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6182-6440(5A)
— VLTAGE 6005-6830(9A) — VLTAGE 6005-6008(50) — VLTAGE 6008-6830(9B)

2030CA_ModMax_Lluv- 6005



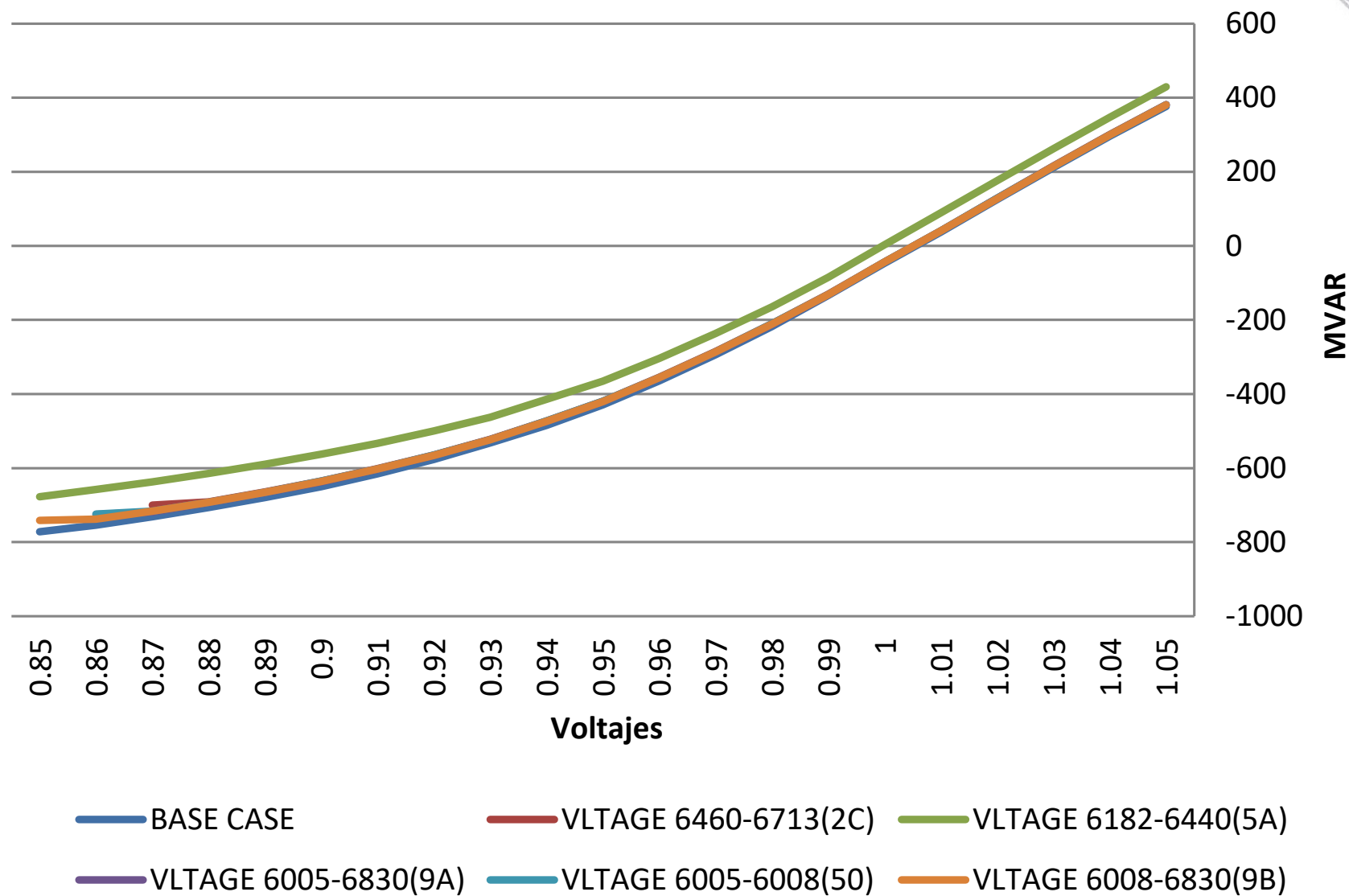
BASE CASE VLTAGE 6460-6713(2C) VLTAGE 6182-6440(5A)
VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

2030CA_ModMax_Lluv- 6009

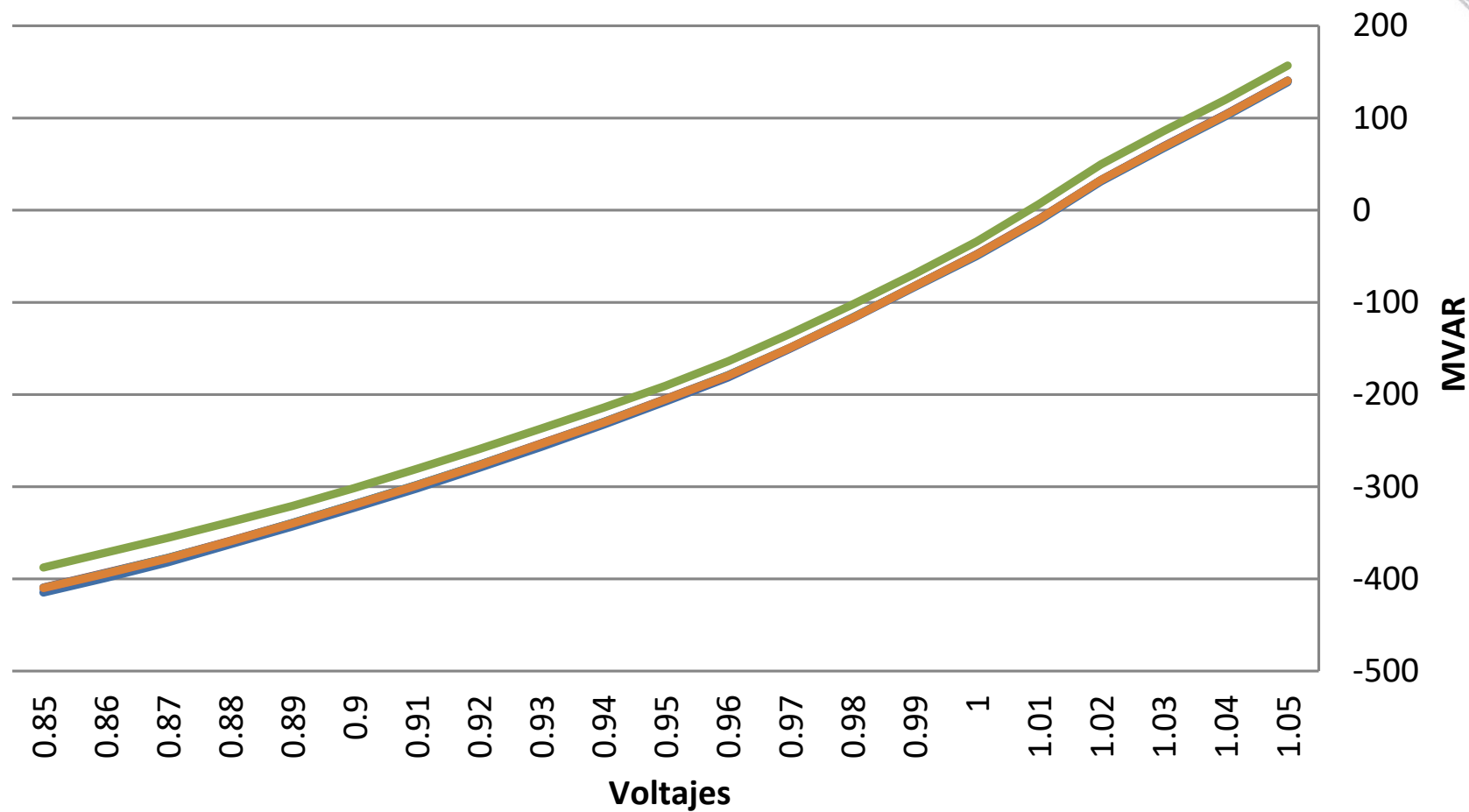


BASE CASE VLTAGE 6460-6713(2C) VLTAGE 6182-6440(5A)
VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

2030CA_ModMax_Lluv- 6011



2030CA_ModMax_Lluv- 6012



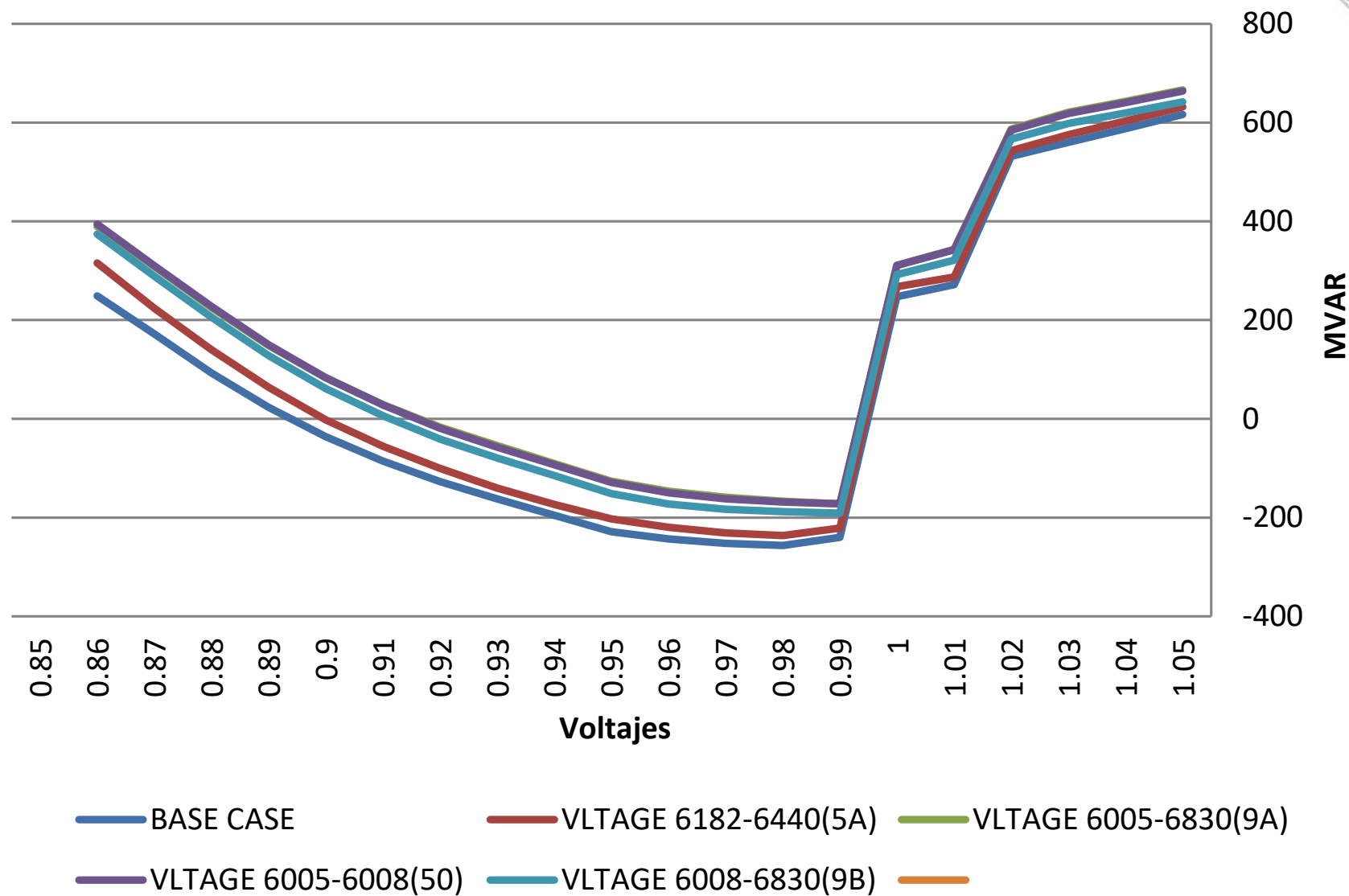
BASE CASE VLTAGE 6460-6713(2C) VLTAGE 6182-6440(5A)
VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)



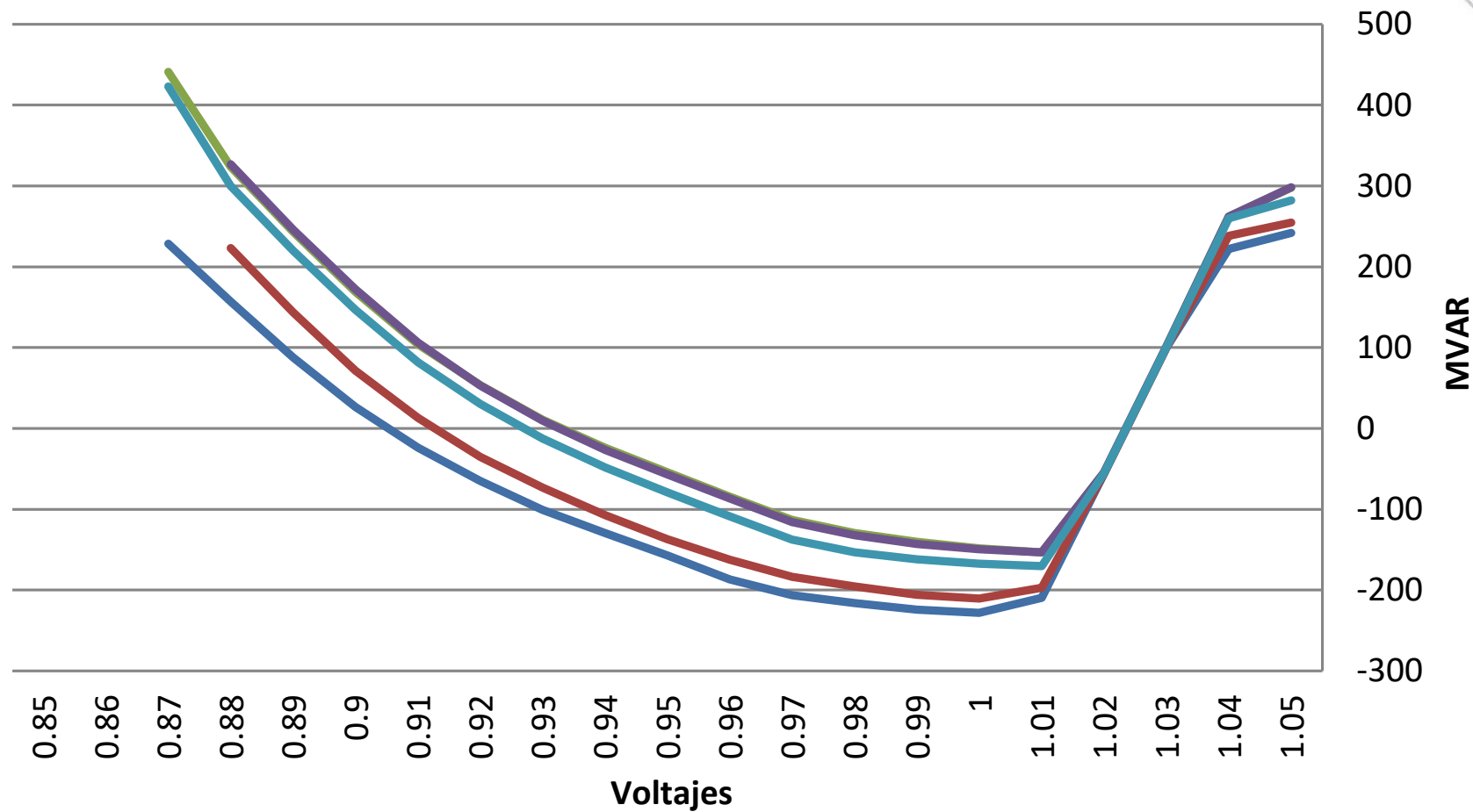
2032 LLUVIOSA

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2032CA_ModMax_Lluv- 6001

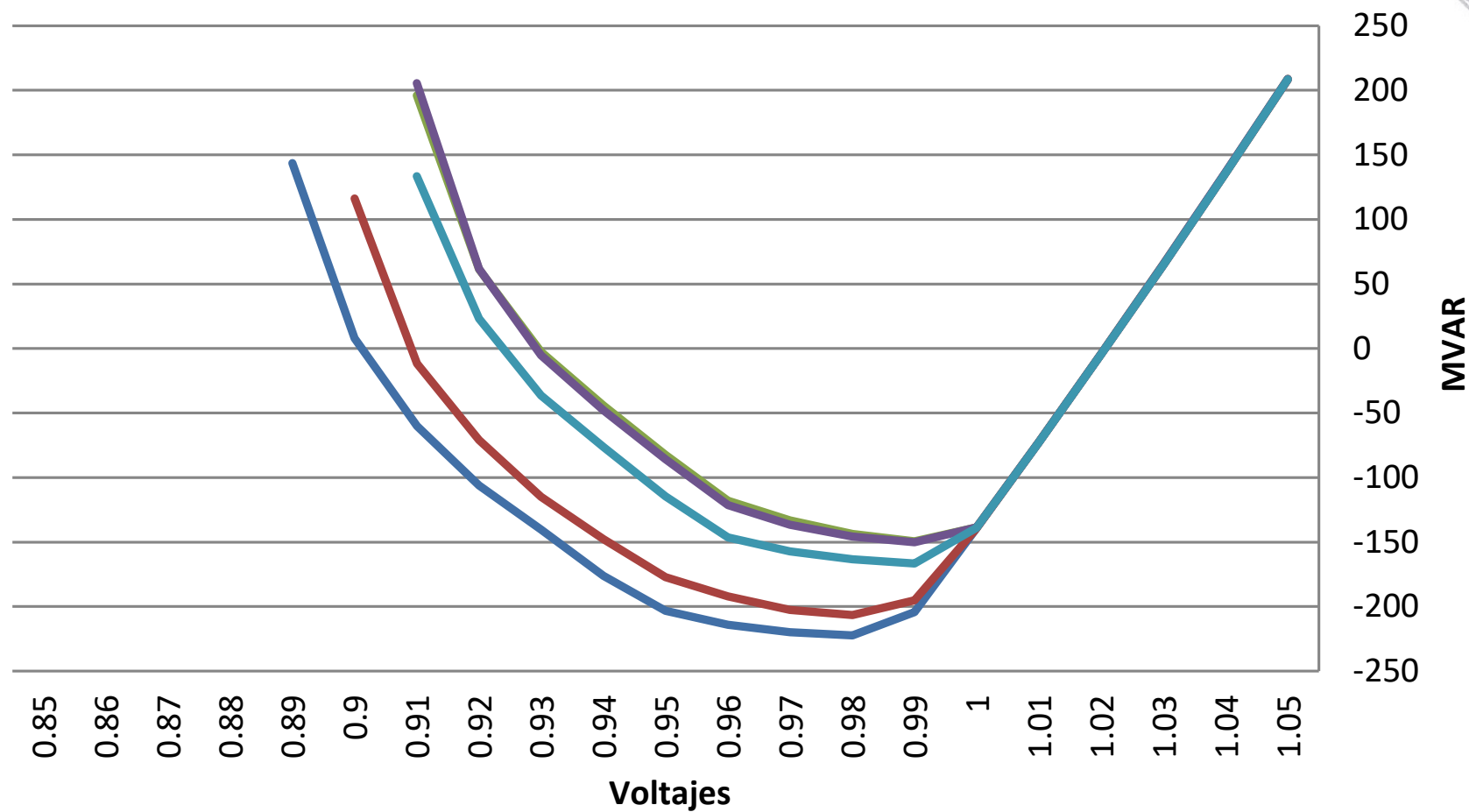


2032CA_ModMax_Lluv- 6002



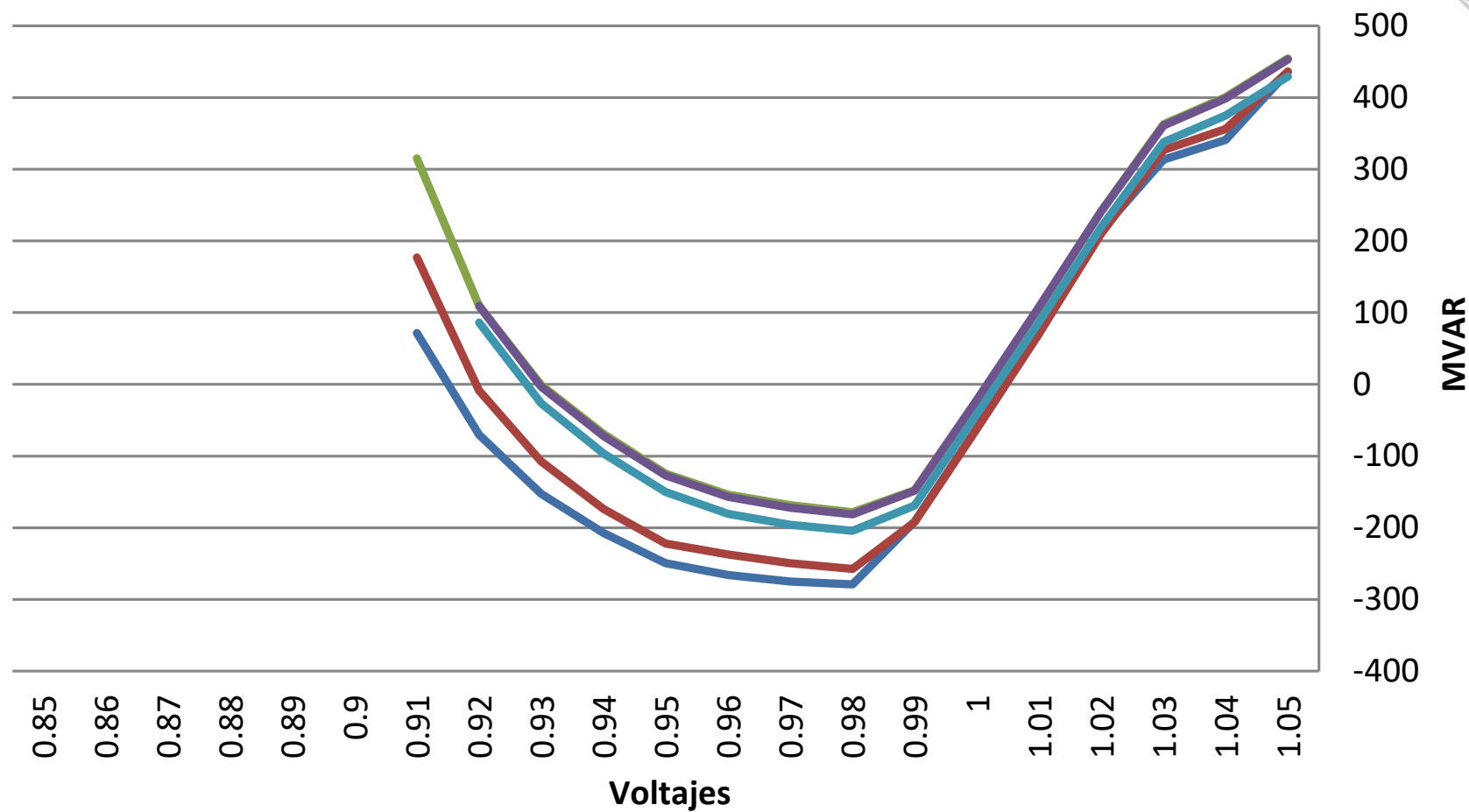
BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6005-6830(9A)
VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

2032CA_ModMax_Lluv- 6004



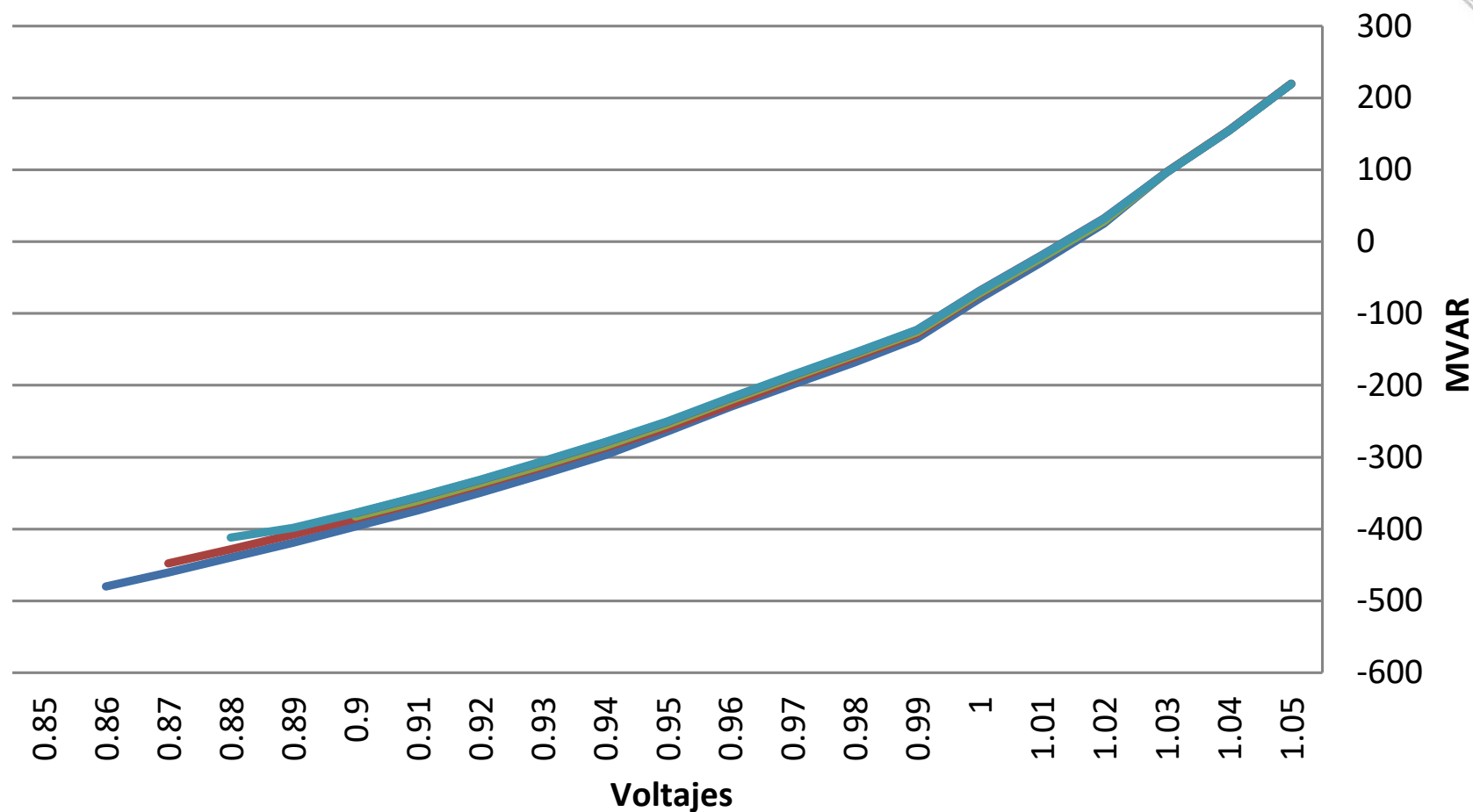
BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6005-6830(9A)
VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

2032CA_ModMax_Lluv- 6005



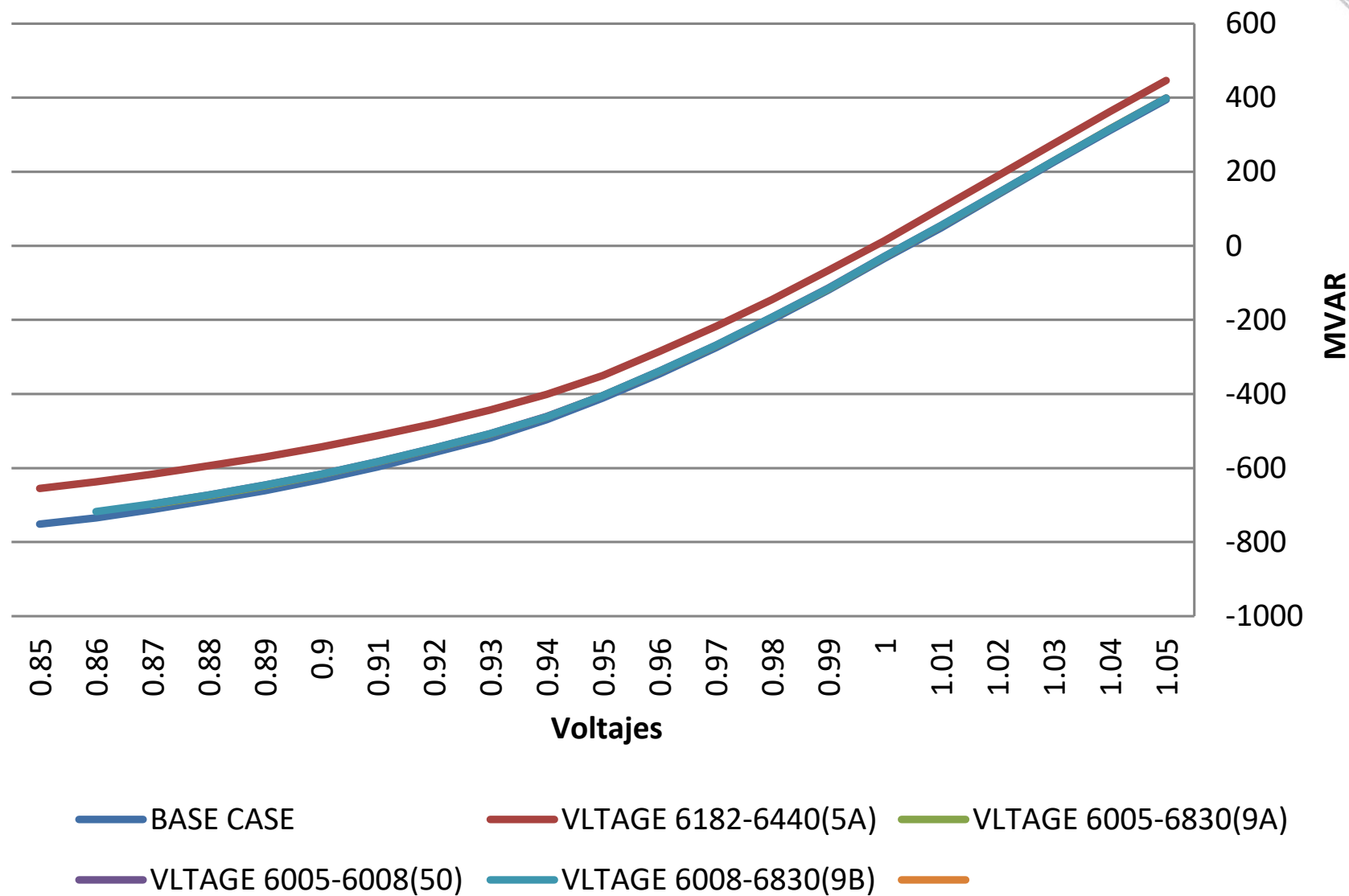
BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6005-6830(9A)
VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

2032CA_ModMax_Lluv- 6009

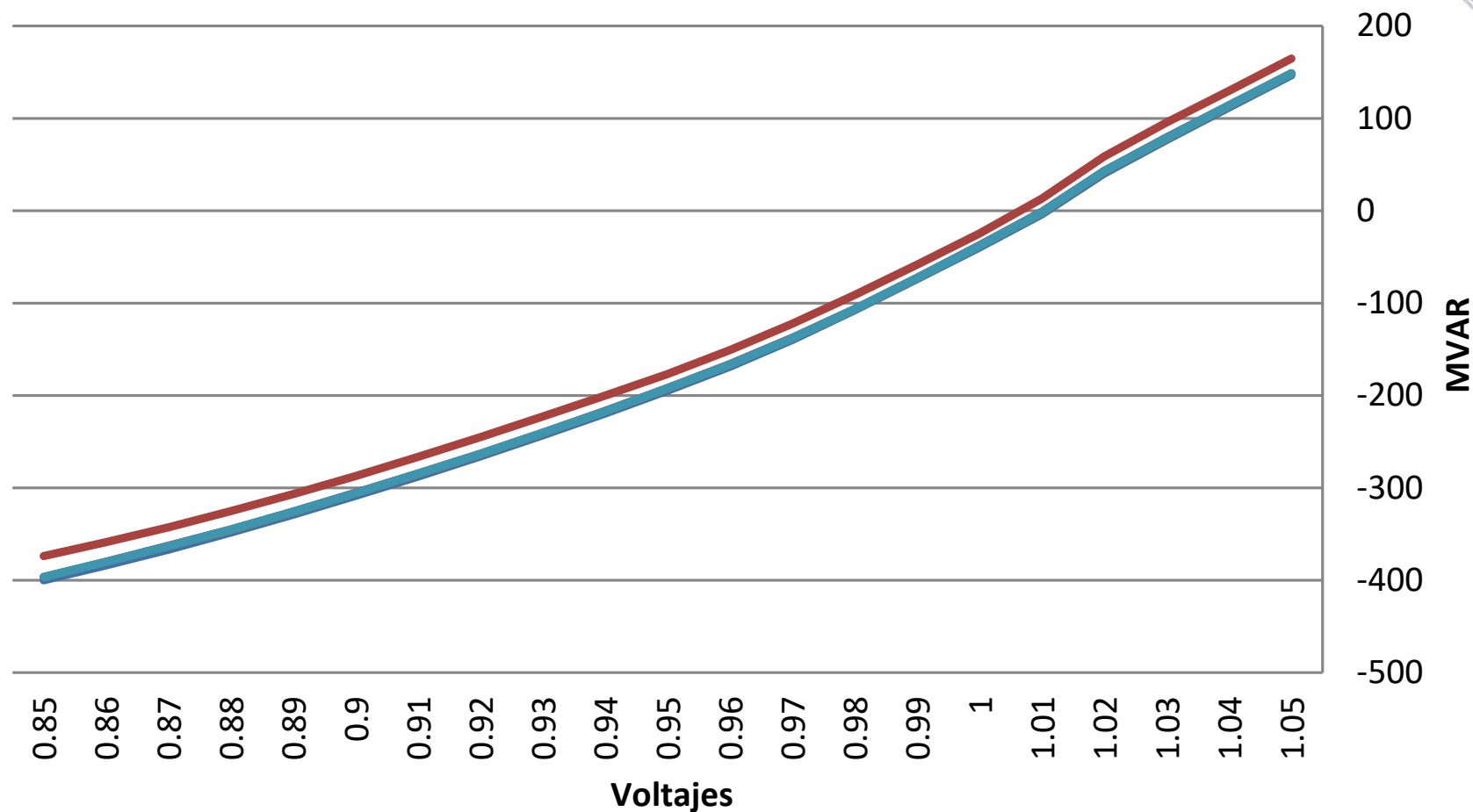


BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6005-6830(9A)
VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

2032CA_ModMax_Lluv- 6011



2032CA_ModMax_Lluv- 6012



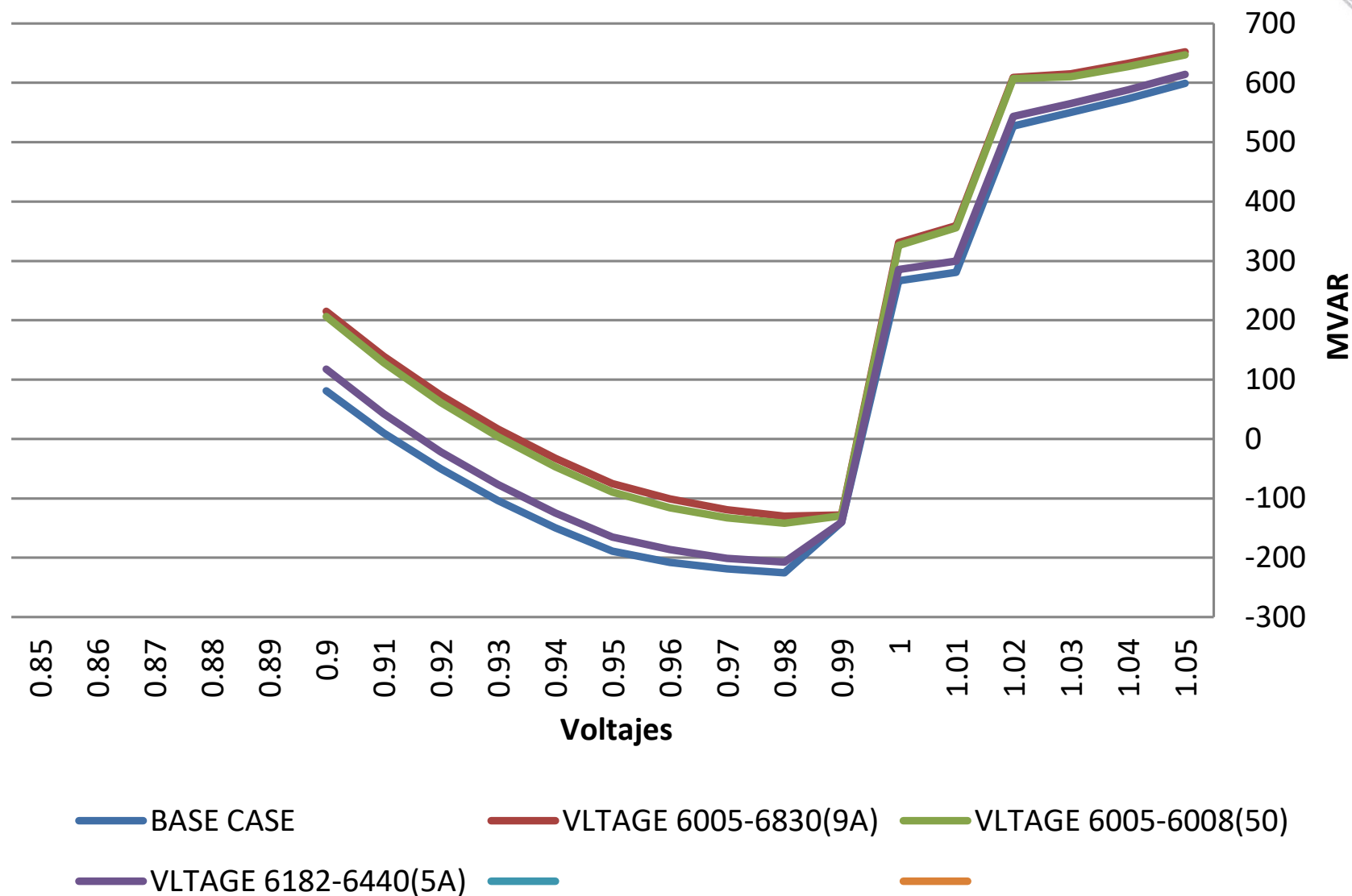
BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6005-6830(9A)
VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)



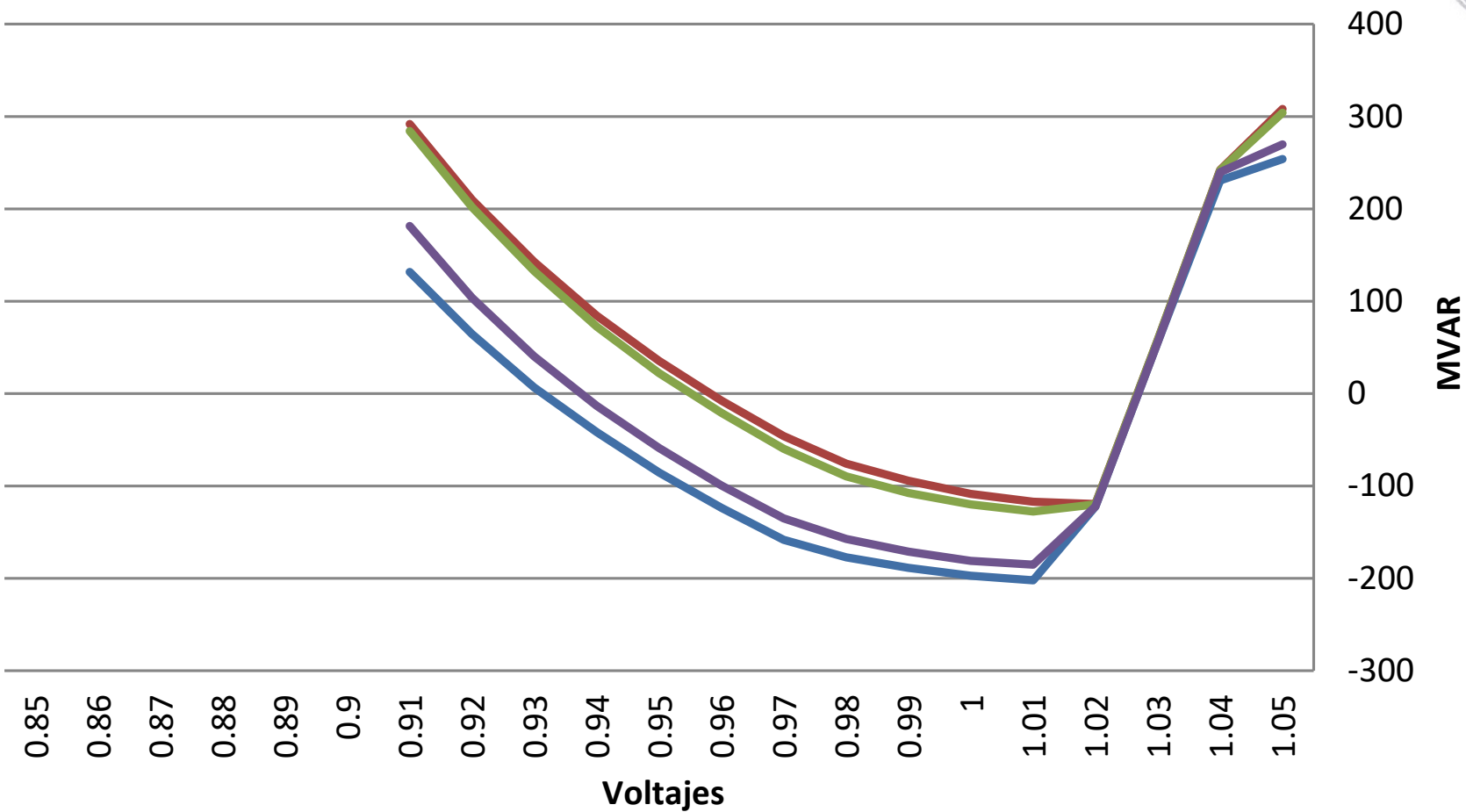
2034 LLUVIOSA

AB

2034CA_ModMax_Lluv_ 6001

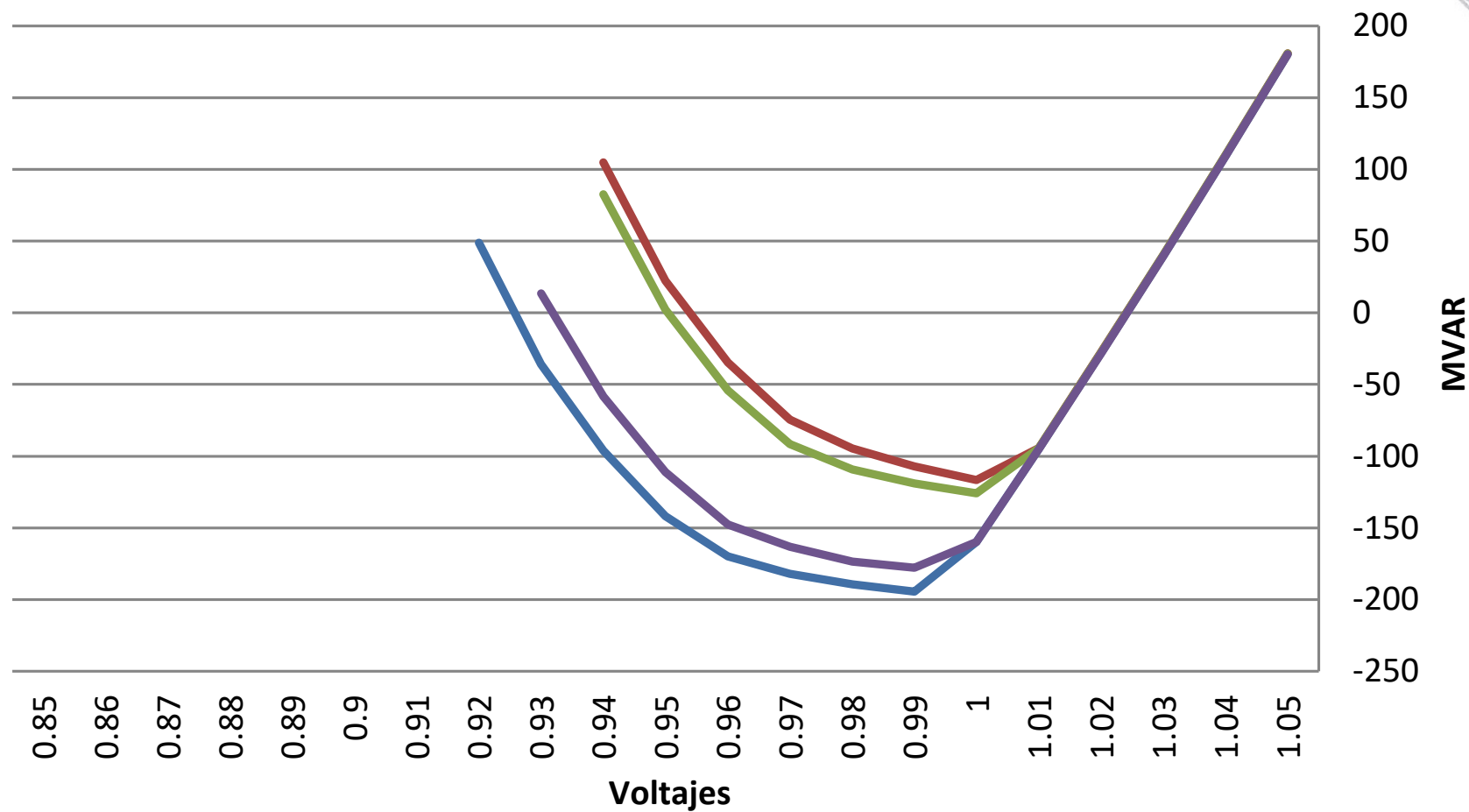


2034CA_ModMax_Lluv_ 6002



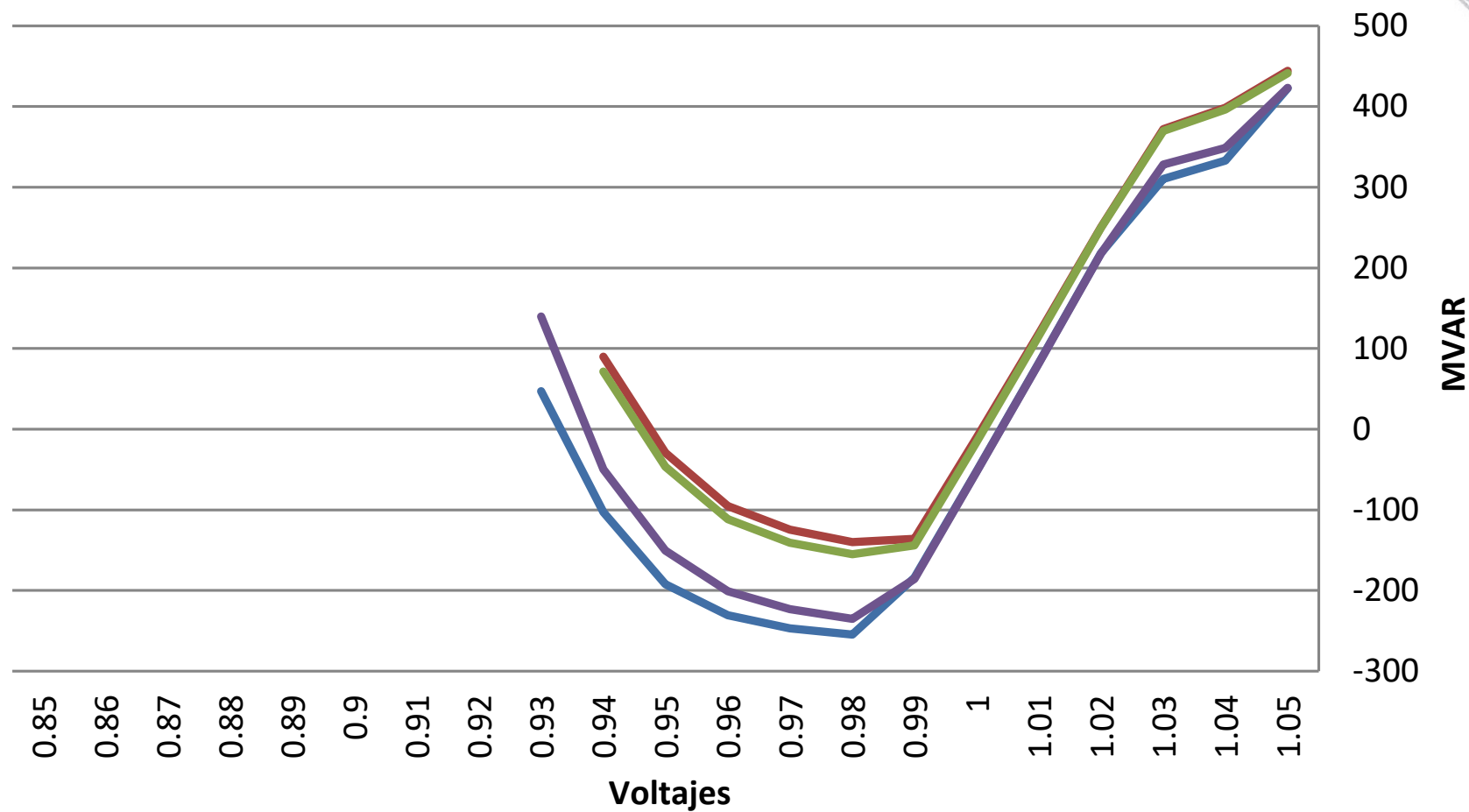
BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50)
VLTAGE 6182-6440(5A)

2034CA_ModMax_Lluv_ 6004



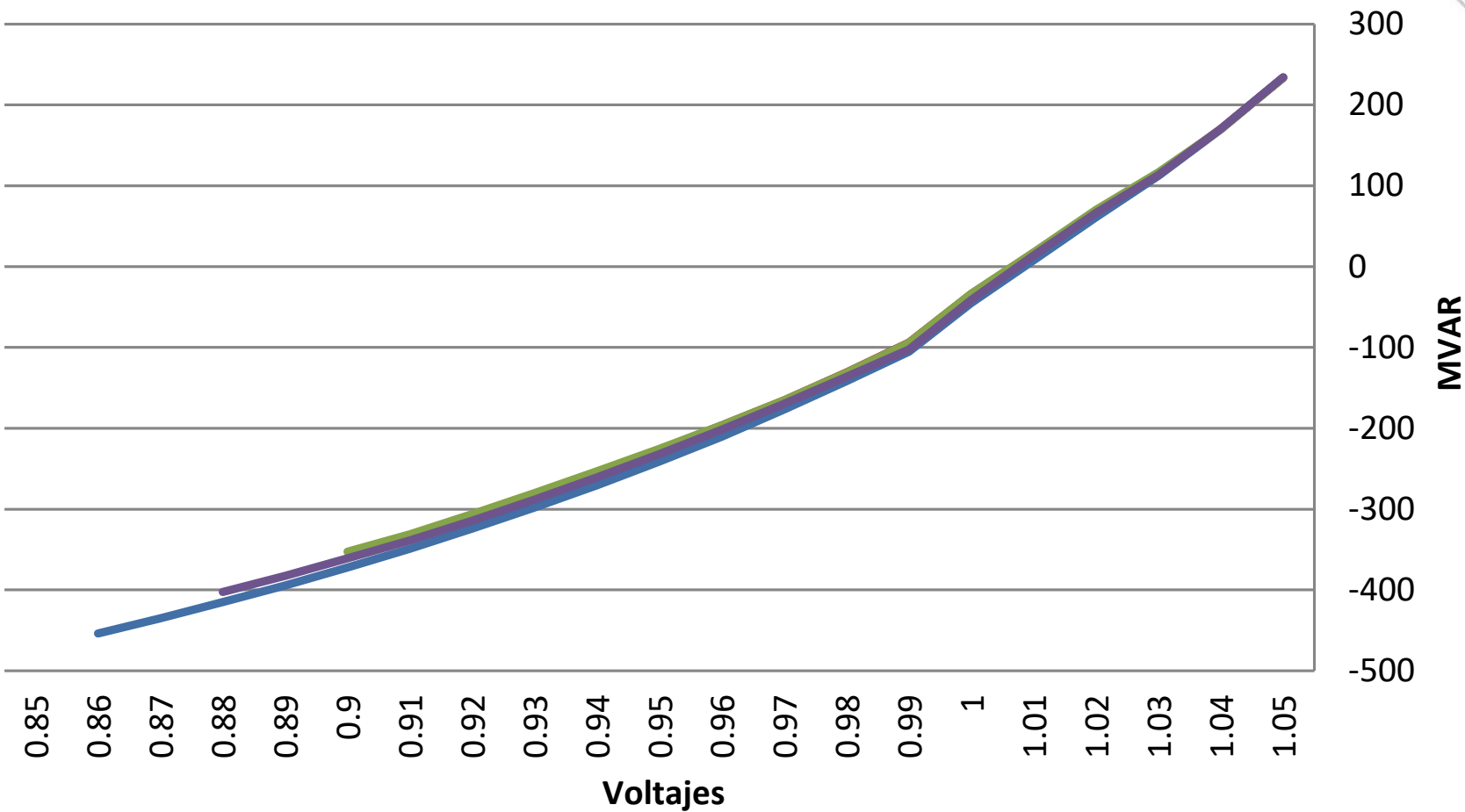
BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50)
VLTAGE 6182-6440(5A)

2034CA_ModMax_Lluv_ 6005



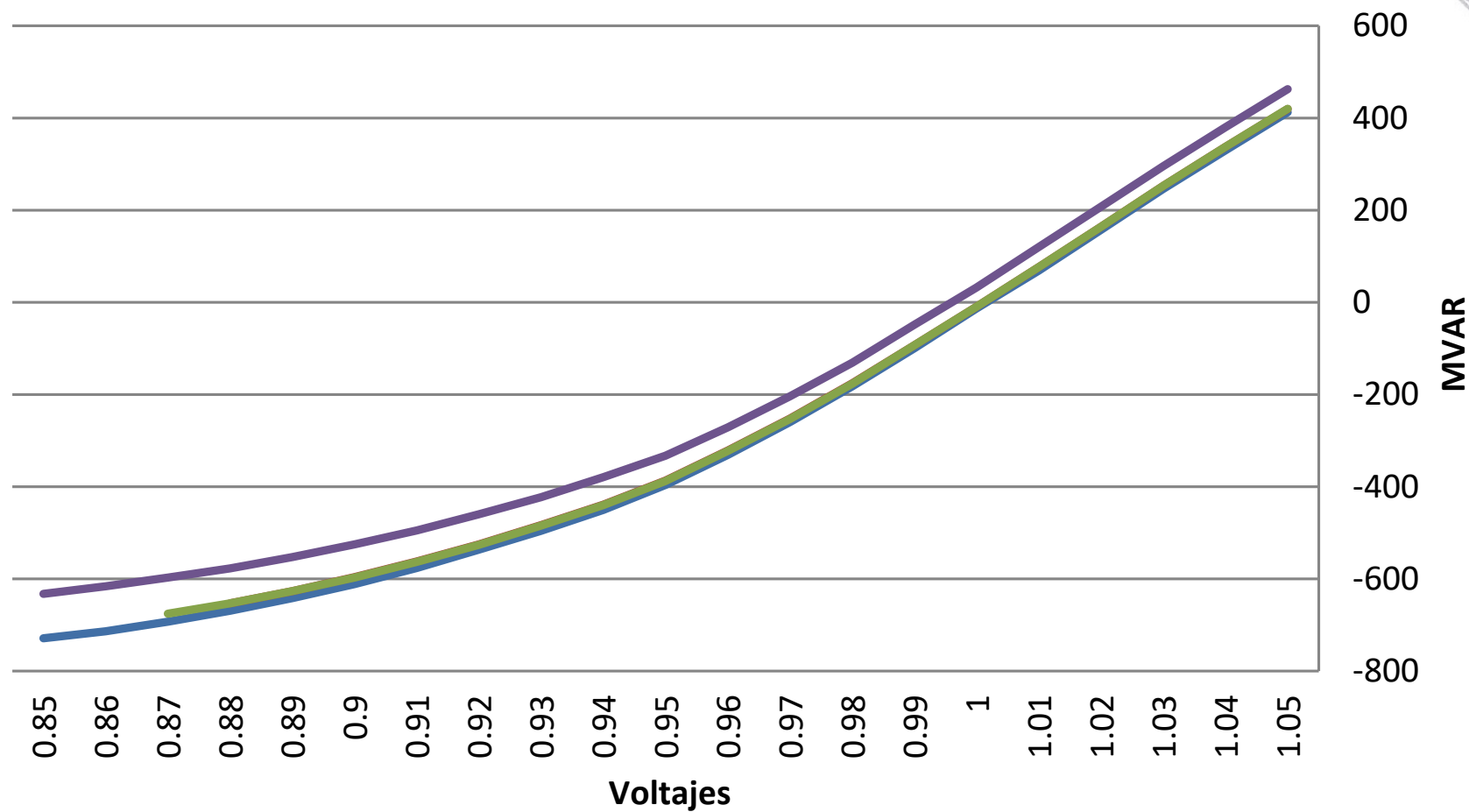
BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50)
VLTAGE 6182-6440(5A)

2034CA_ModMax_Lluv_ 6009



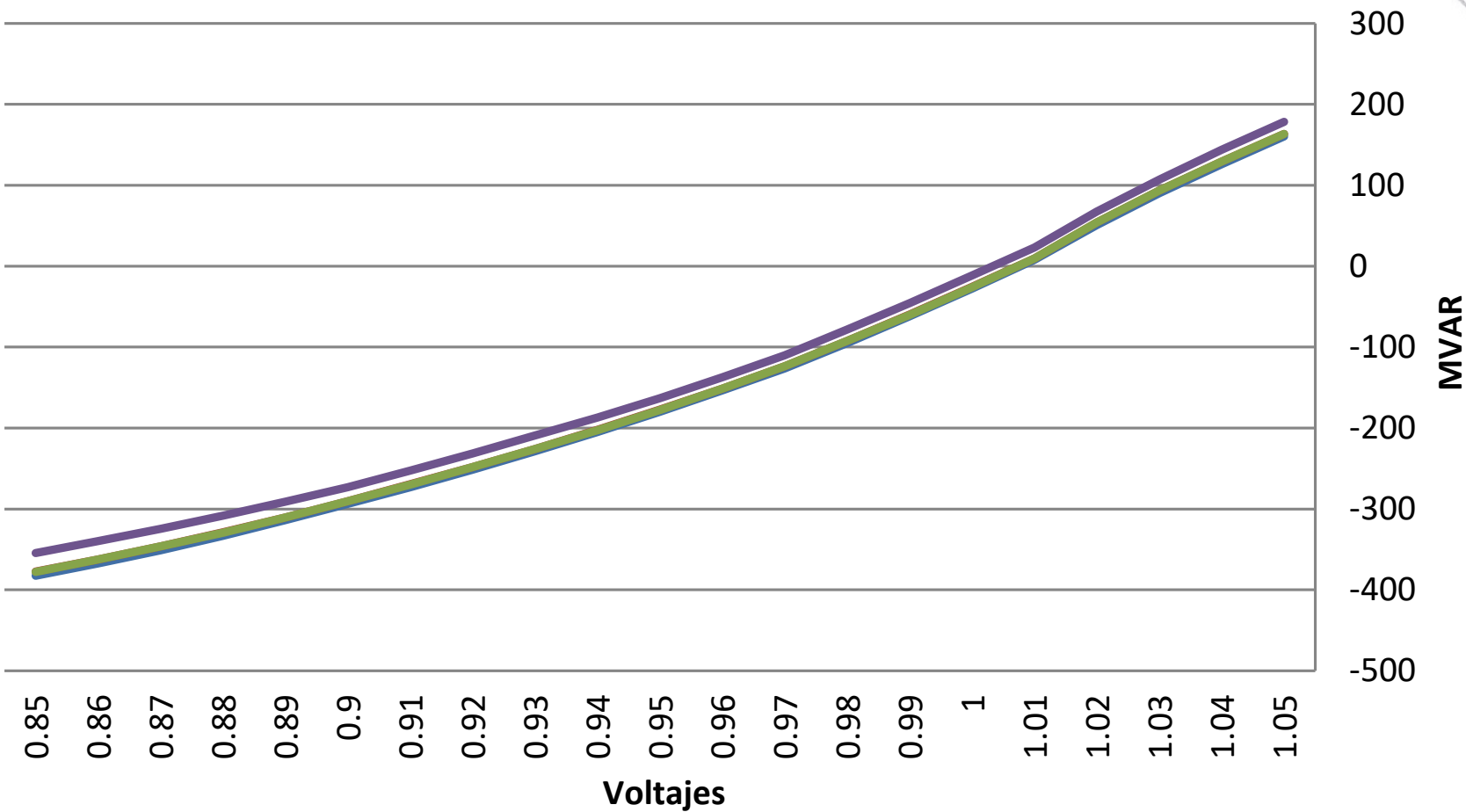
BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50)
VLTAGE 6182-6440(5A)

2034CA_ModMax_Lluv_ 6011



BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50)
VLTAGE 6182-6440(5A)

2034CA_ModMax_Lluv_ 6012



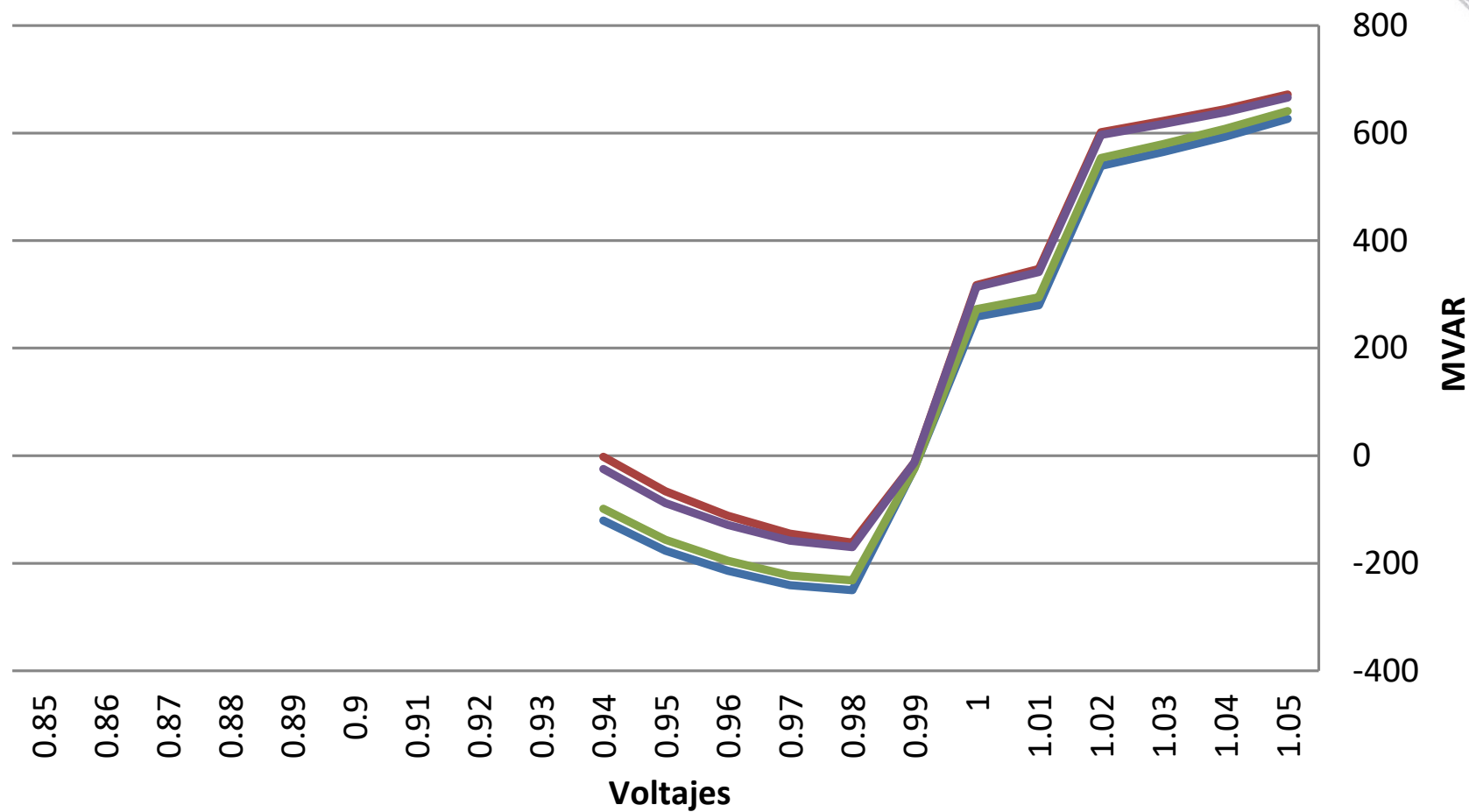
BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50)
VLTAGE 6182-6440(5A)



2036 LLUVIOSA

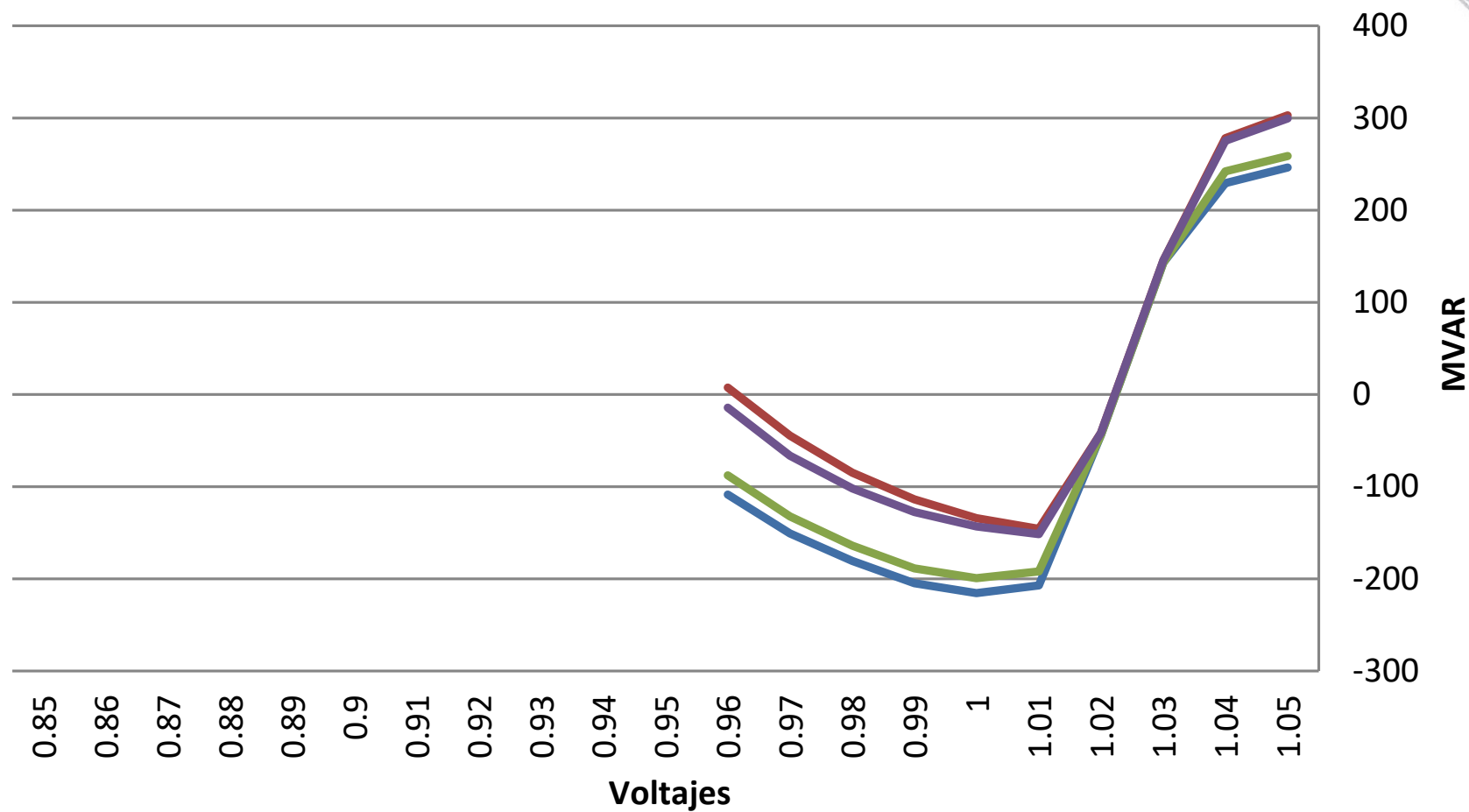
AB

2036CA_ModMax_Lluv- 6001



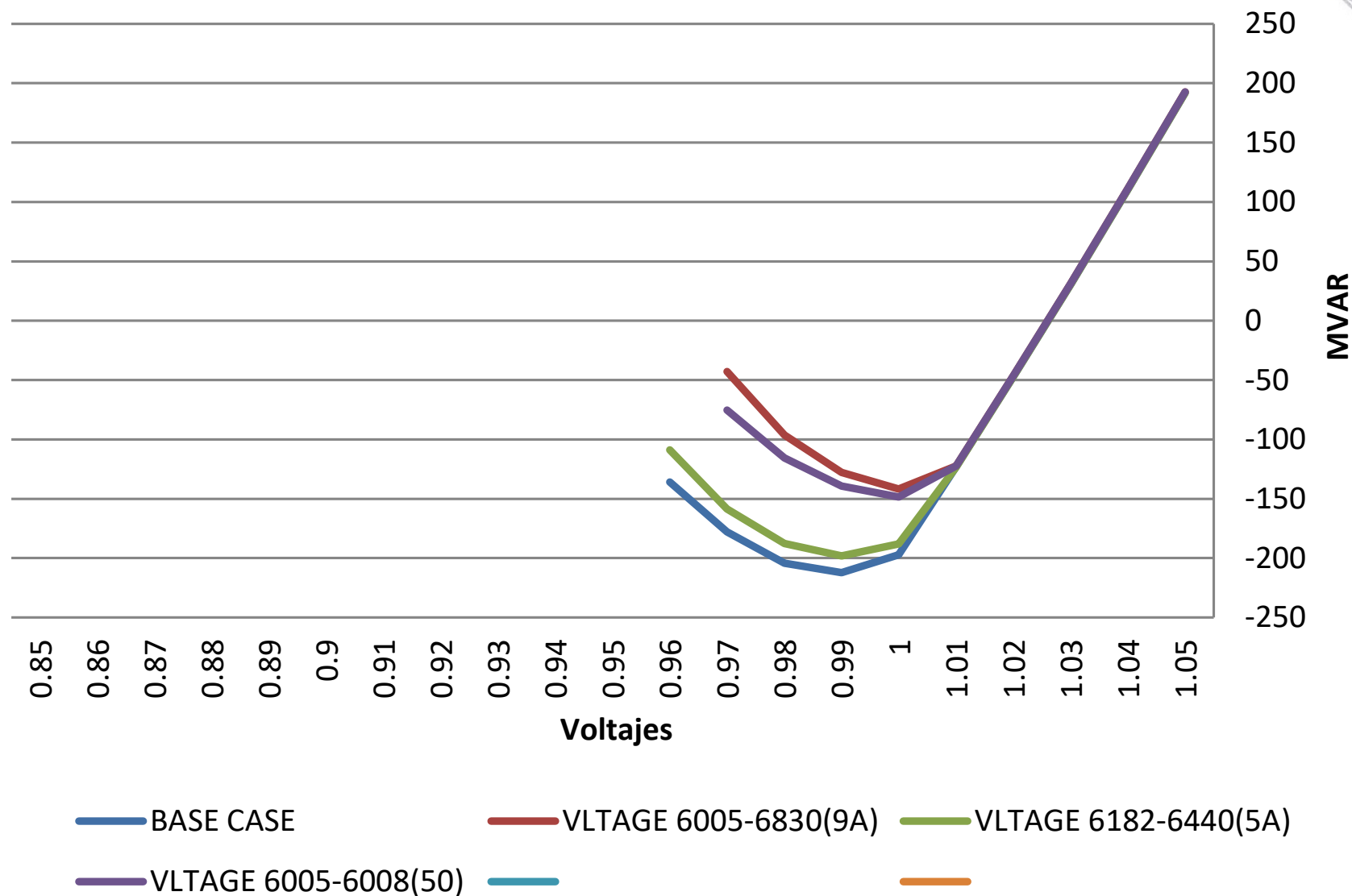
BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6182-6440(5A)

2036CA_ModMax_Lluv- 6002

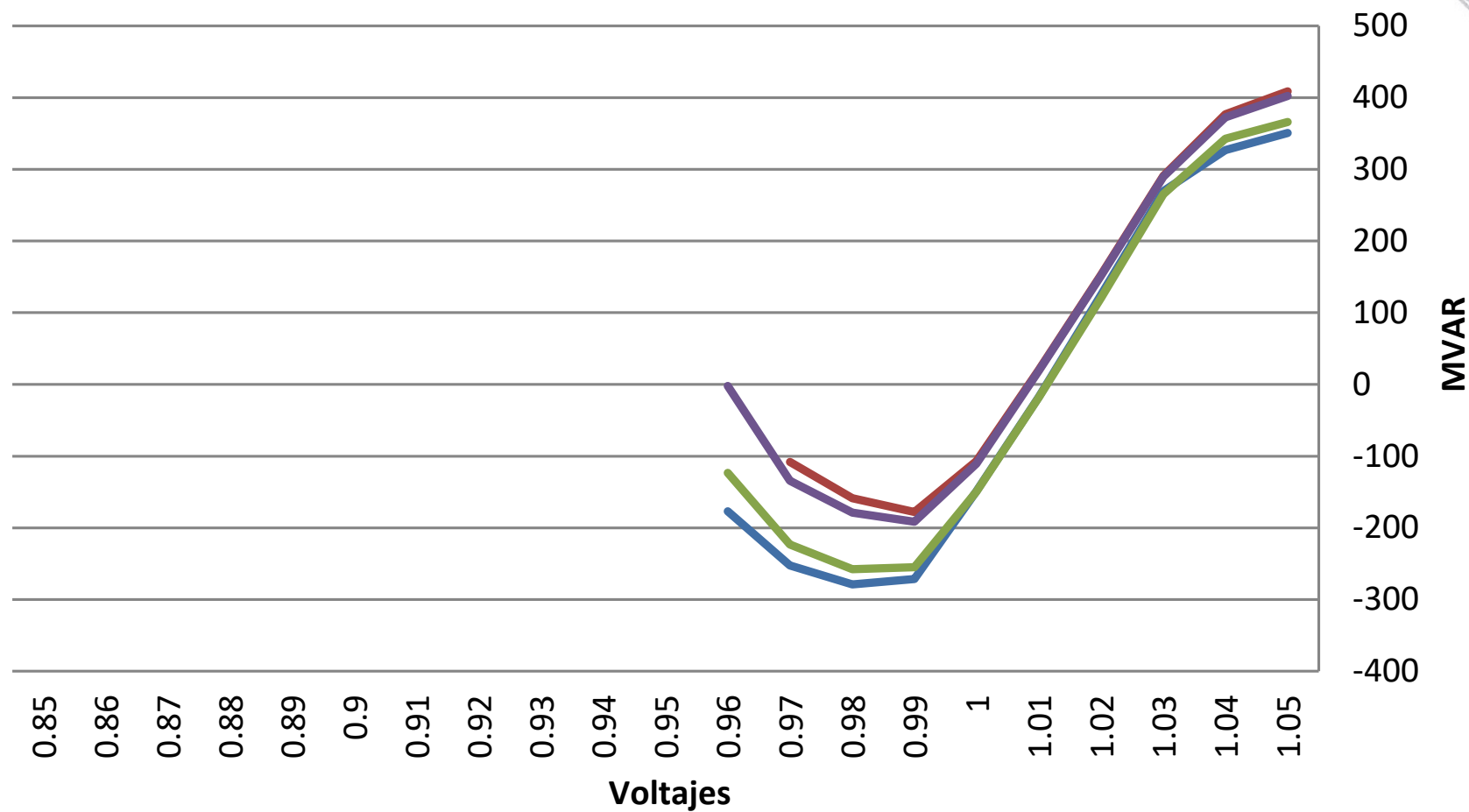


BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50) VLTAGE 6182-6440(5A)

2036CA_ModMax_Lluv- 6004

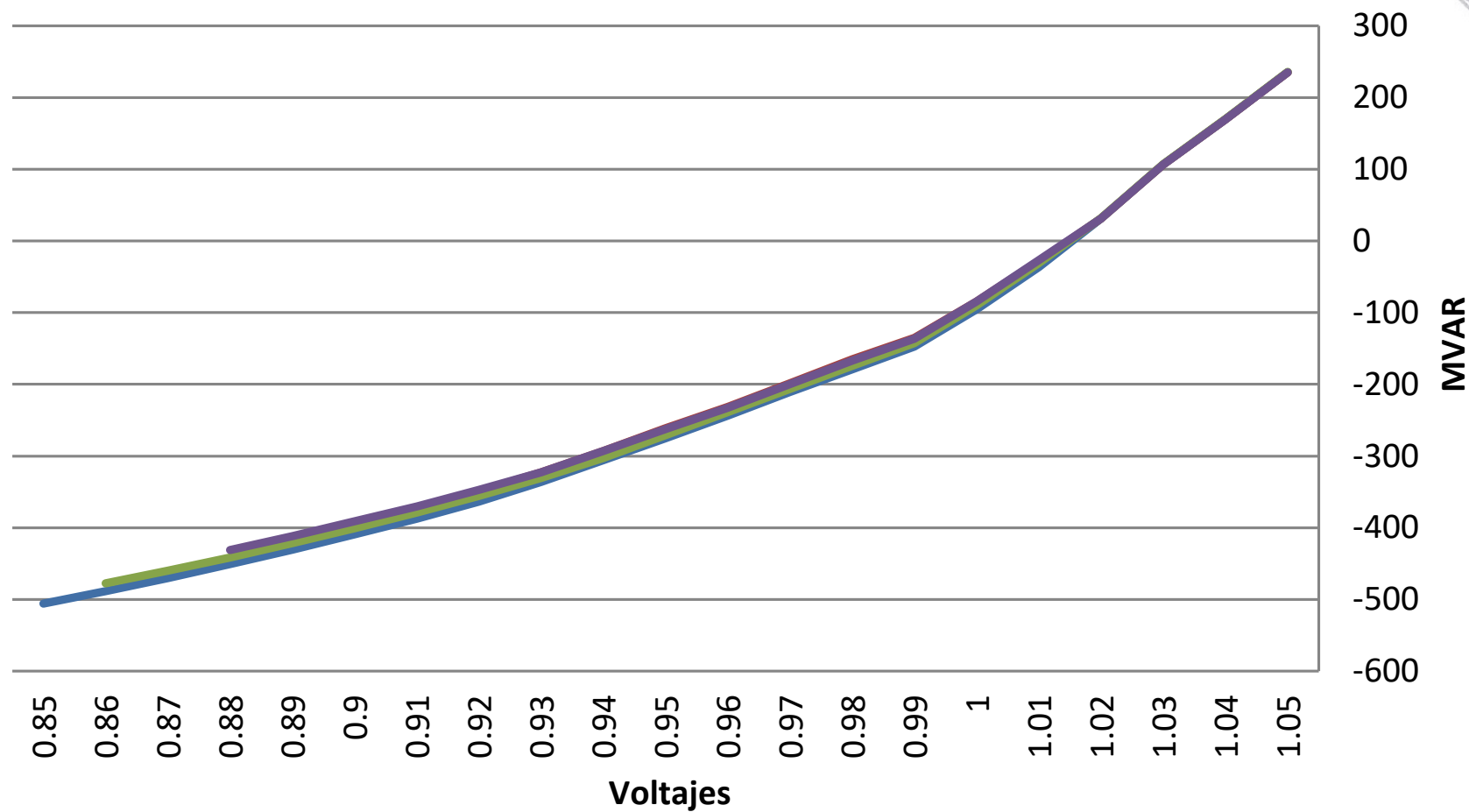


2036CA_ModMax_Lluv- 6005



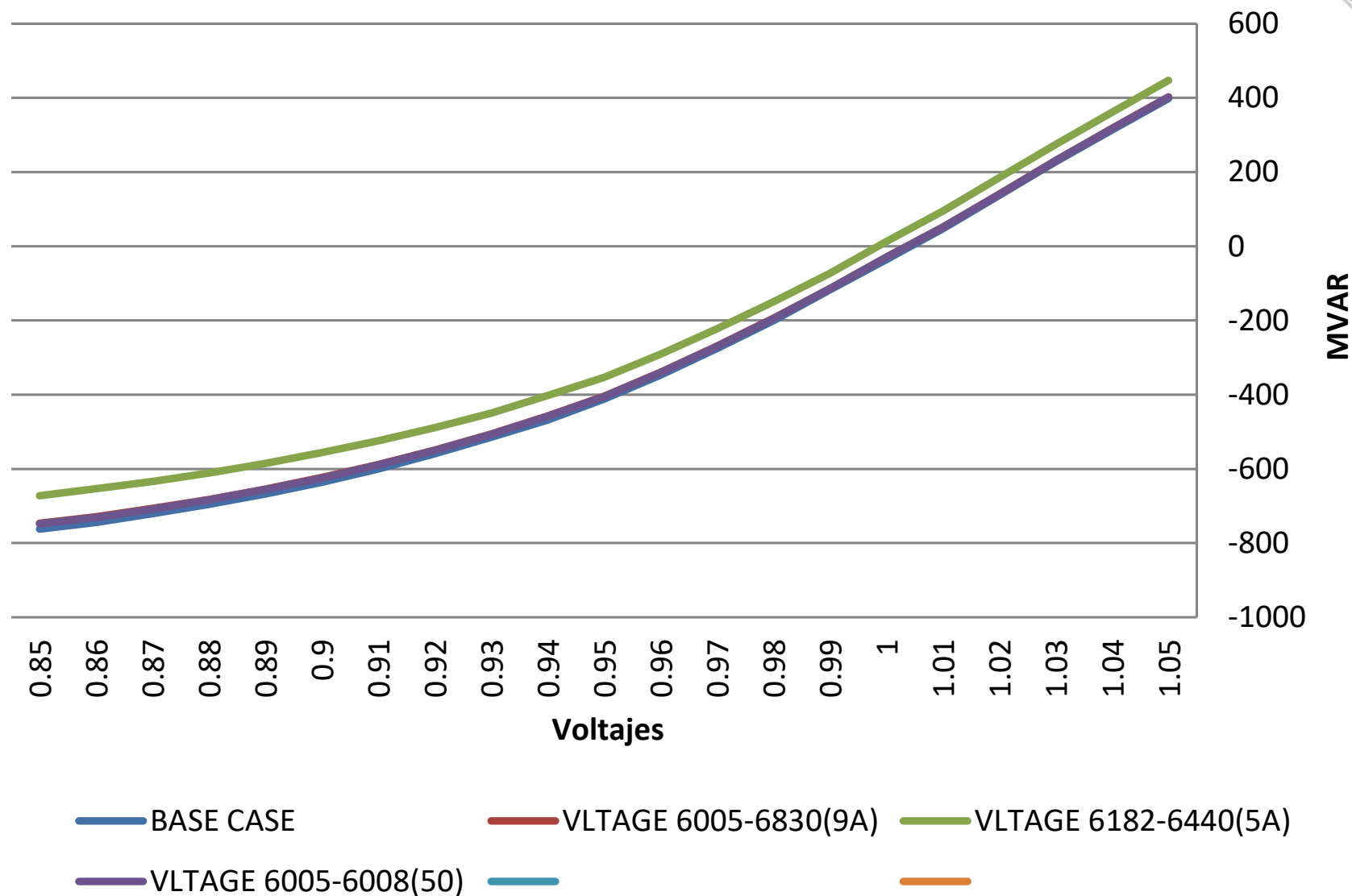
BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6182-6440(5A)
VLTAGE 6005-6008(50)

2036CA_ModMax_Lluv- 6009

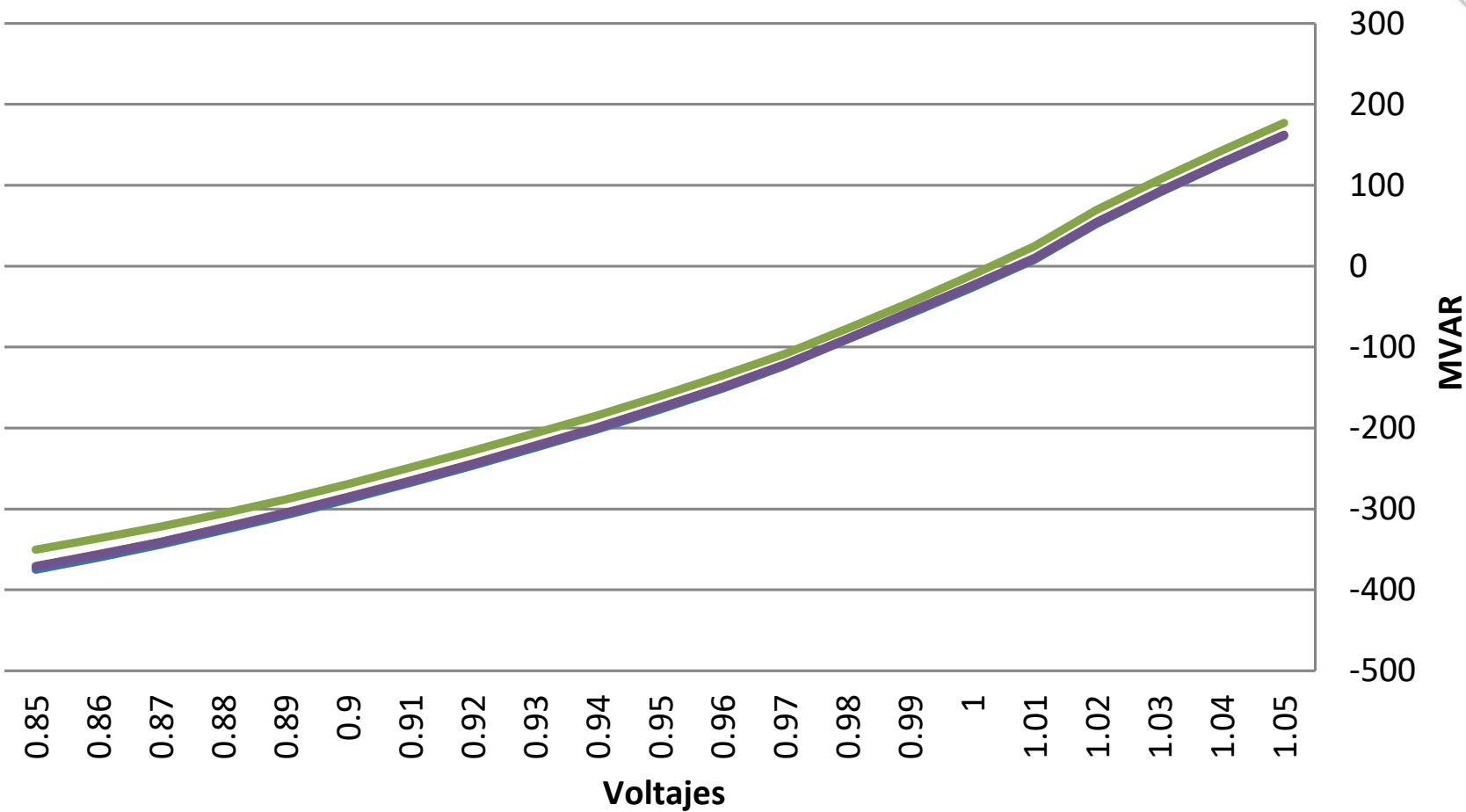


BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6182-6440(5A)
VLTAGE 6005-6008(50)

2036CA_ModMax_Lluv- 6011



2036CA_ModMax_Lluv- 6012



BASE CASE VLTAGE 6005-6830(9A) VLTAGE 6182-6440(5A)
VLTAGE 6005-6008(50)



CASO 2

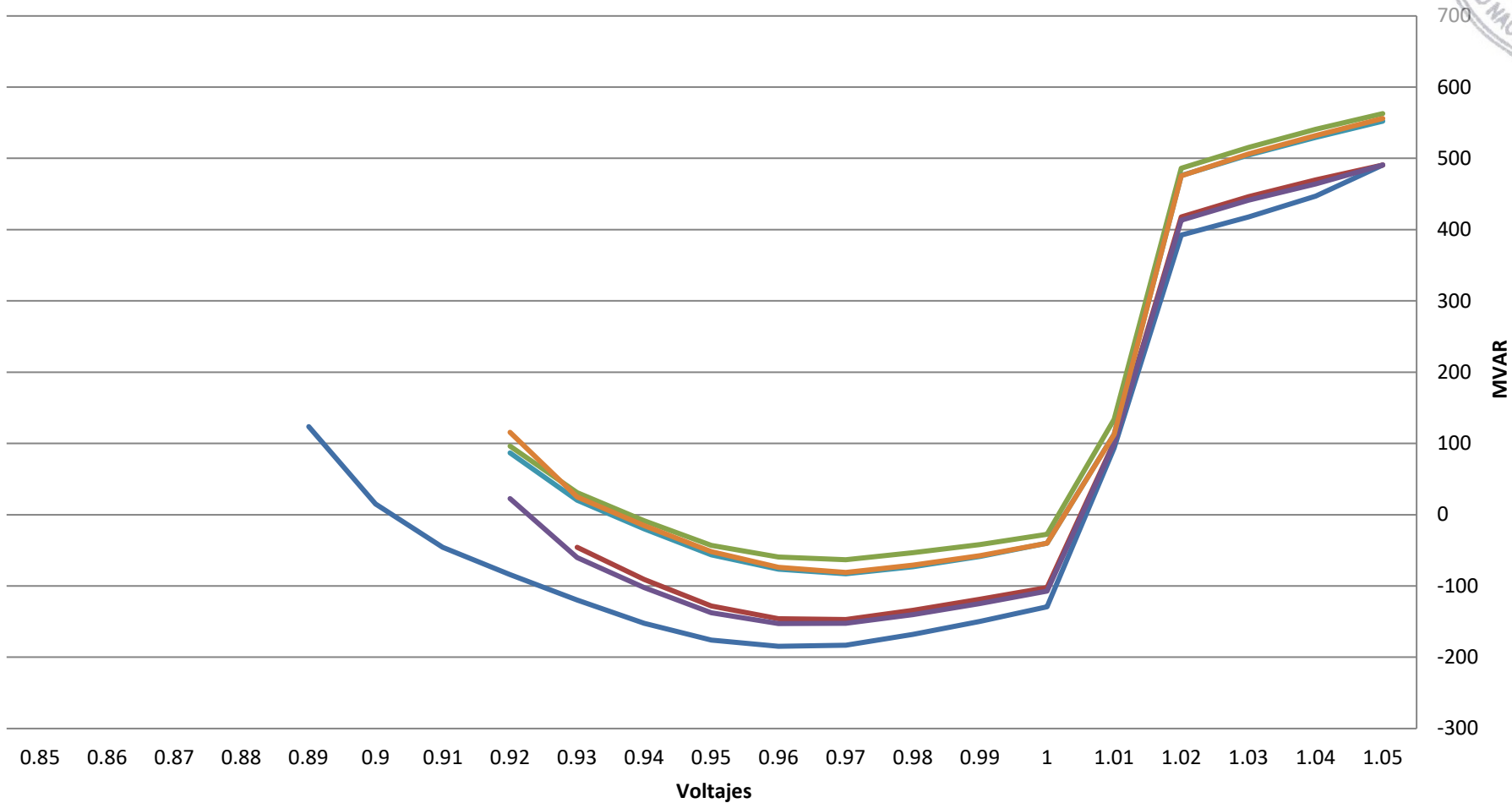
SIN 4LT



2025 LLUVIOSA

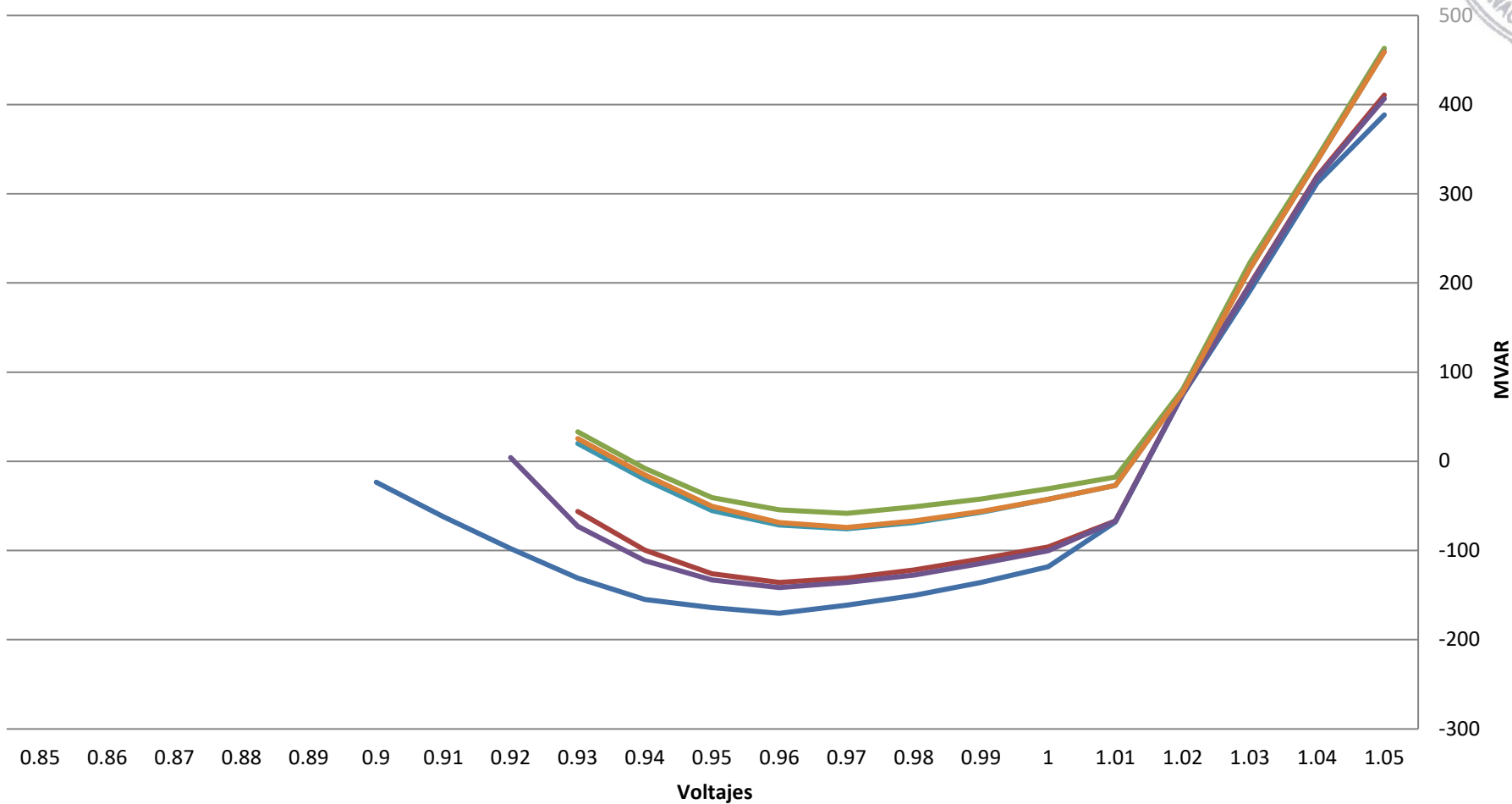
AB

2025CA_ModMax_Lluv 6001



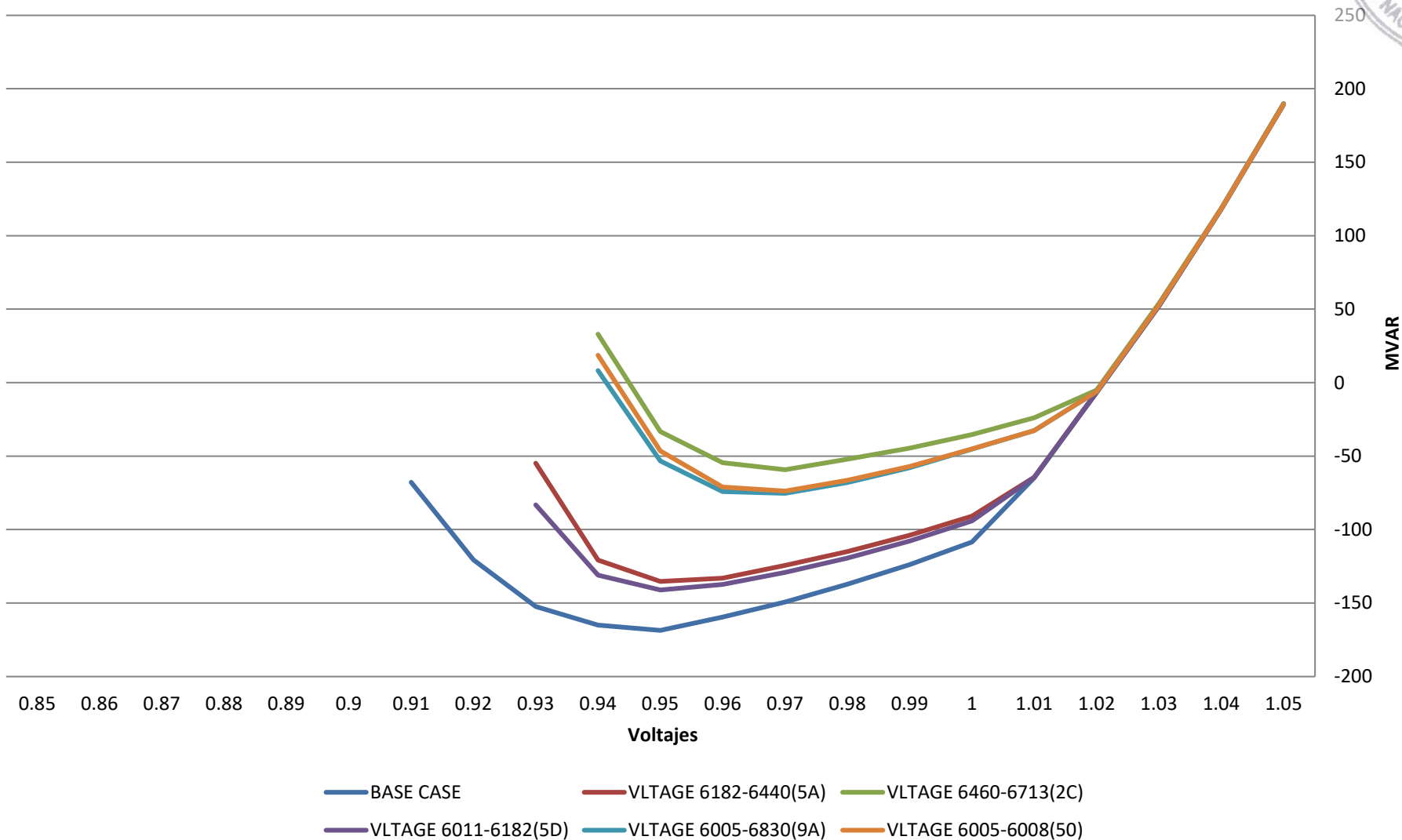
BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6011-6182(5D) VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50)

2025CA_ModMax_Lluv 6002

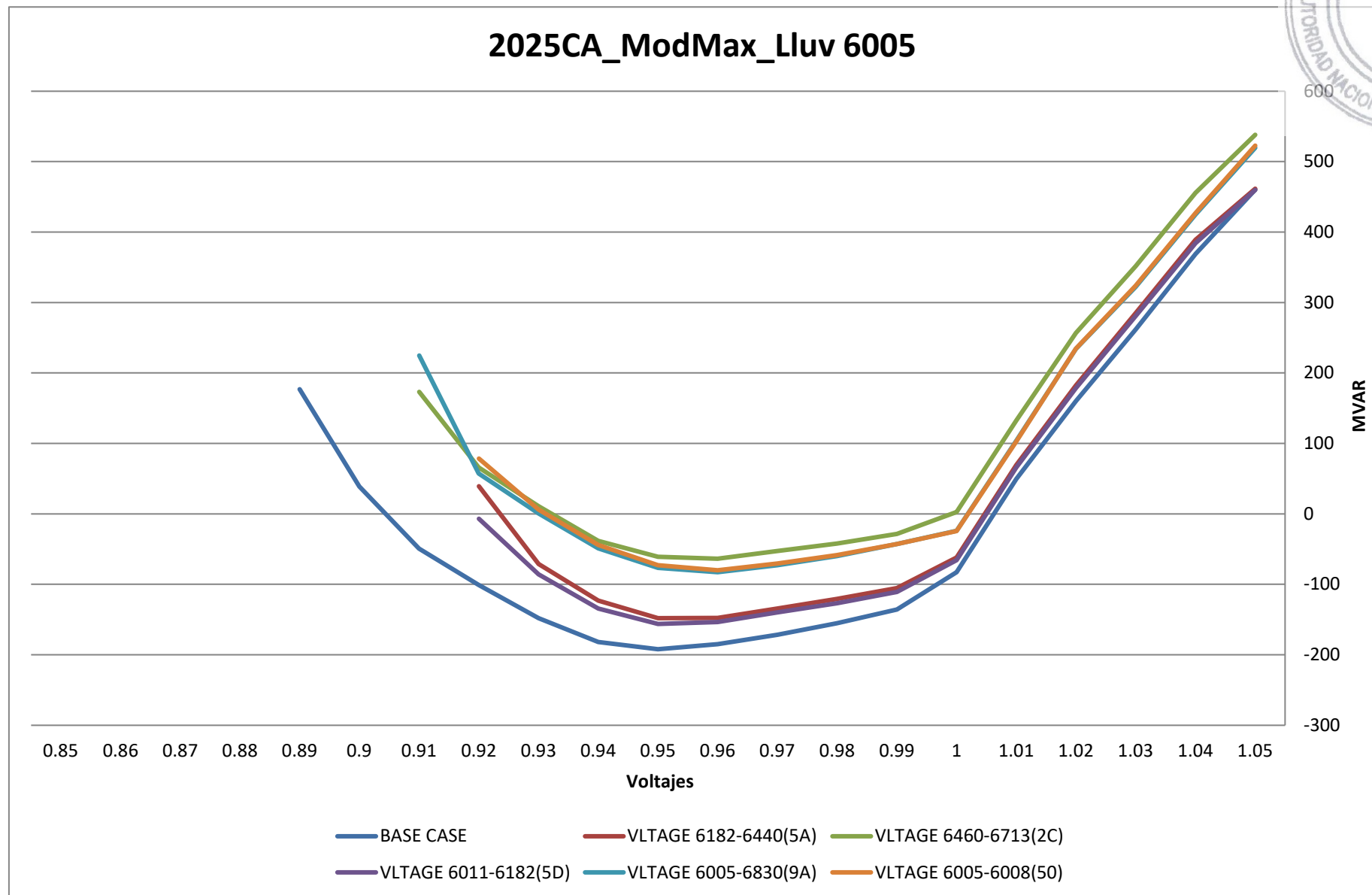


BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6011-6182(5D) VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50)

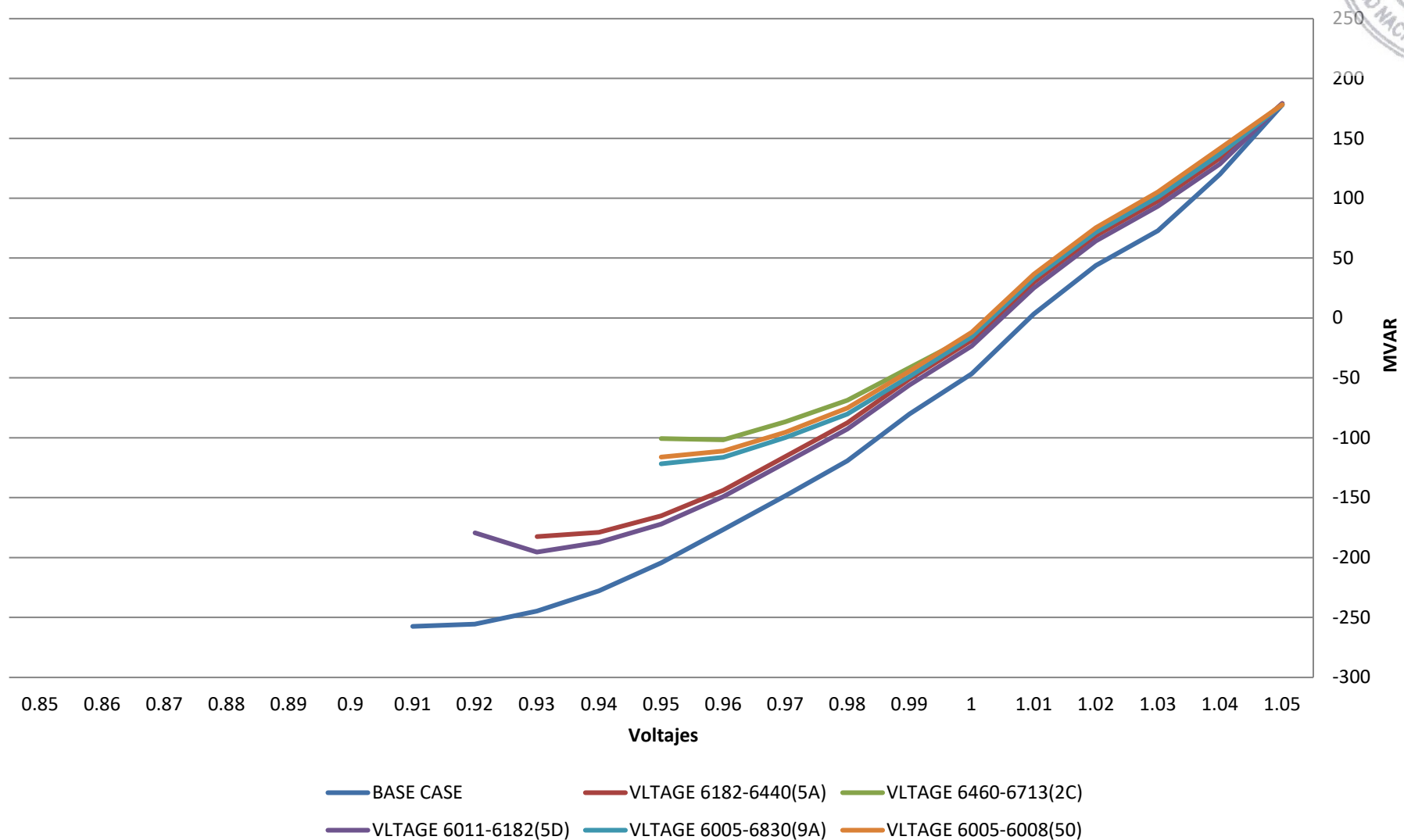
2025CA_ModMax_Lluv 6004



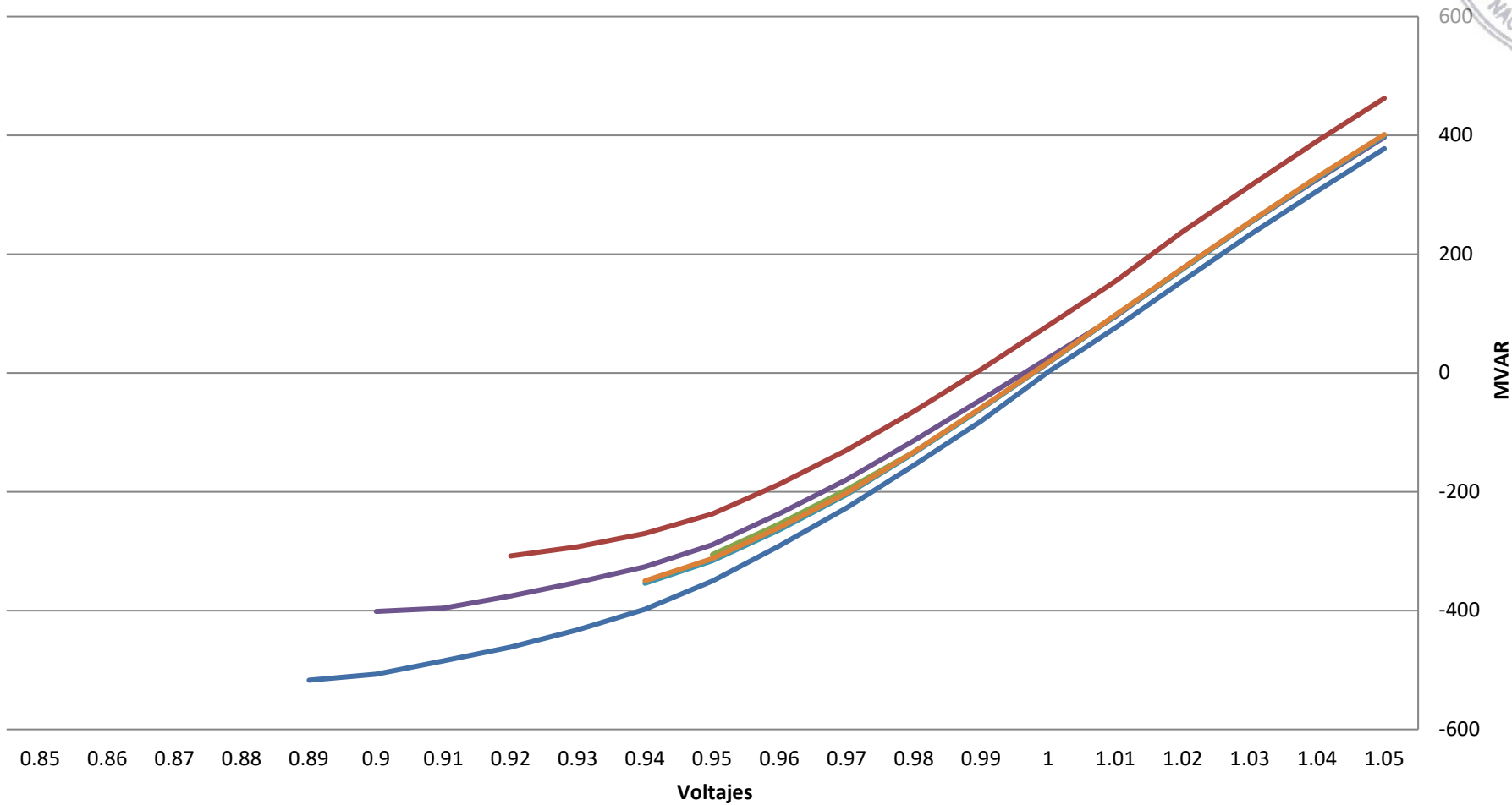
2025CA_ModMax_Lluv 6005



2025CA_ModMax_Lluv 6009

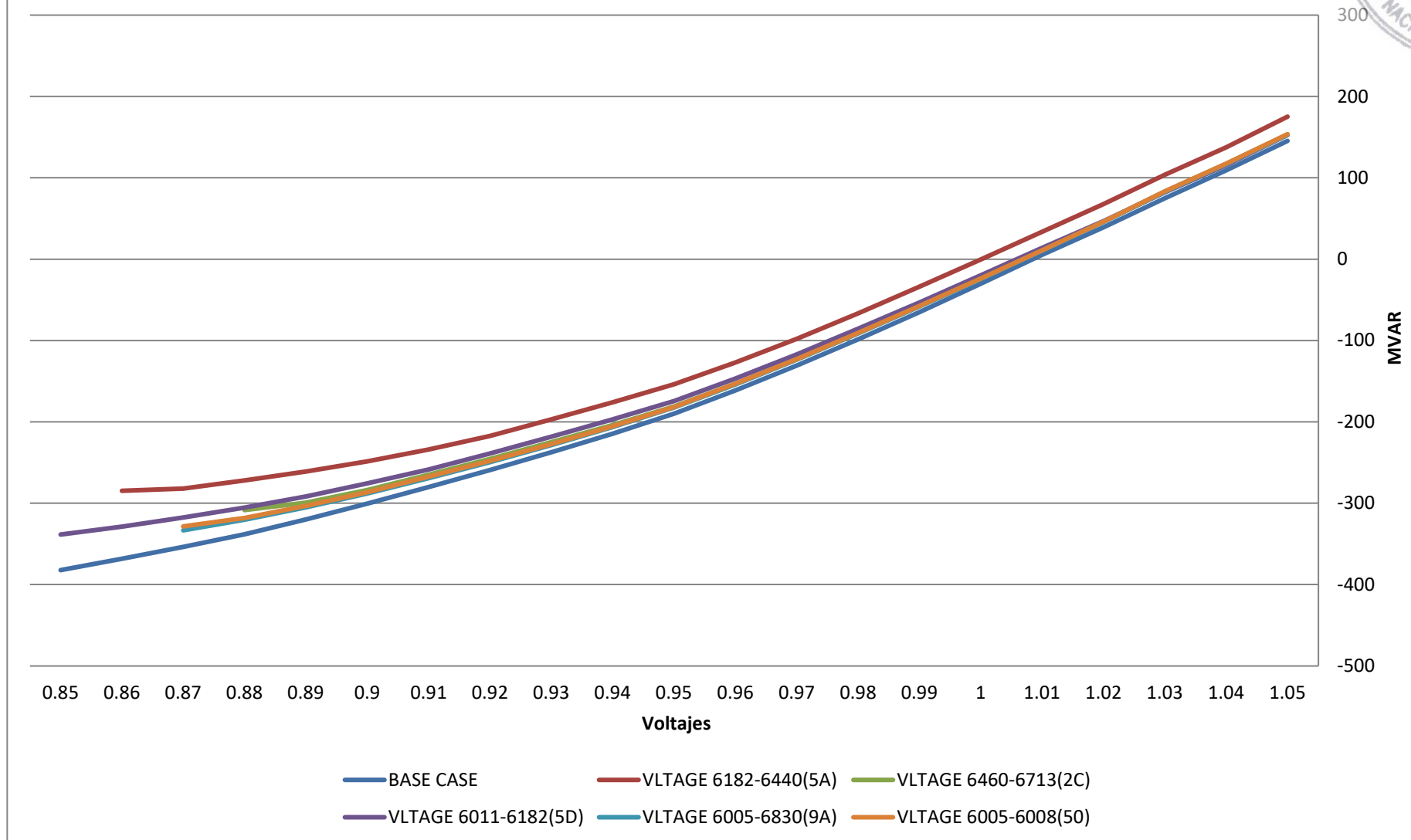


2025CA_ModMax_Lluv 6011



— BASE CASE — VLTAGE 6182-6440(5A) — VLTAGE 6460-6713(2C)
— VLTAGE 6011-6182(5D) — VLTAGE 6005-6830(9A) — VLTAGE 6005-6008(50)

2025CA_ModMax_Lluv 6012

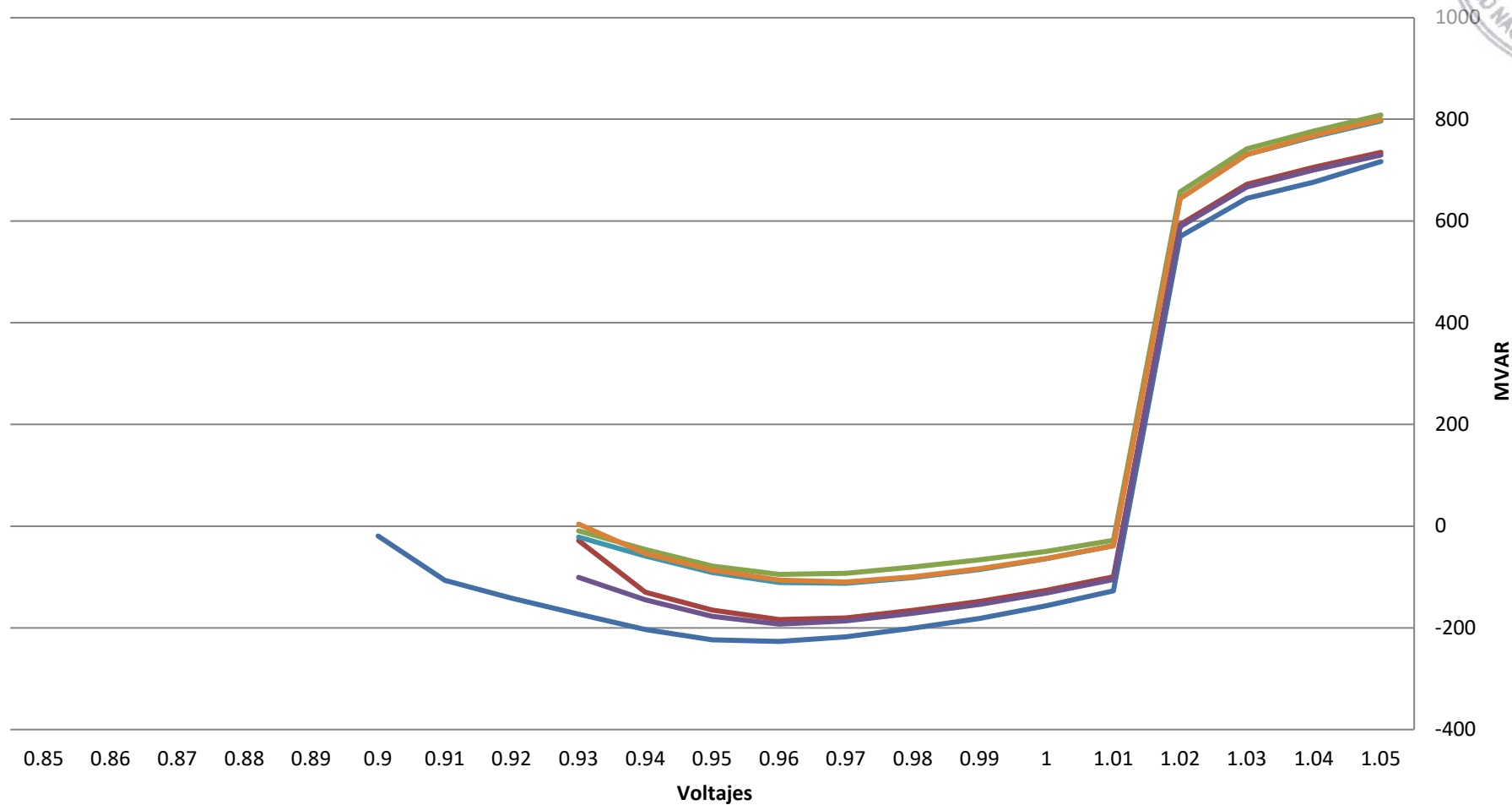




2026 LLUVIOSA

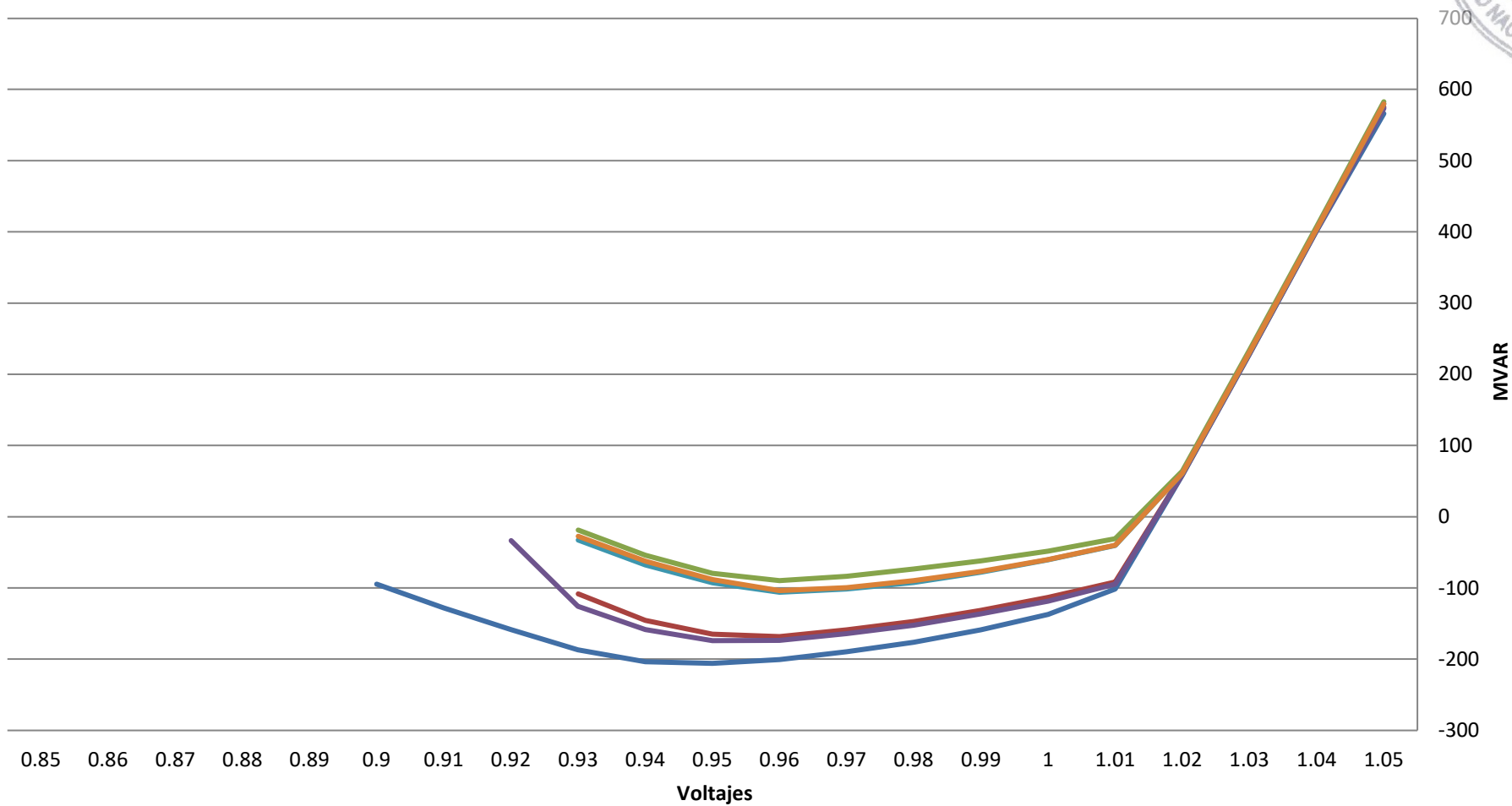
AB

2026CA_ModMax_Lluv- 6001



BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6011-6182(5D) VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50)

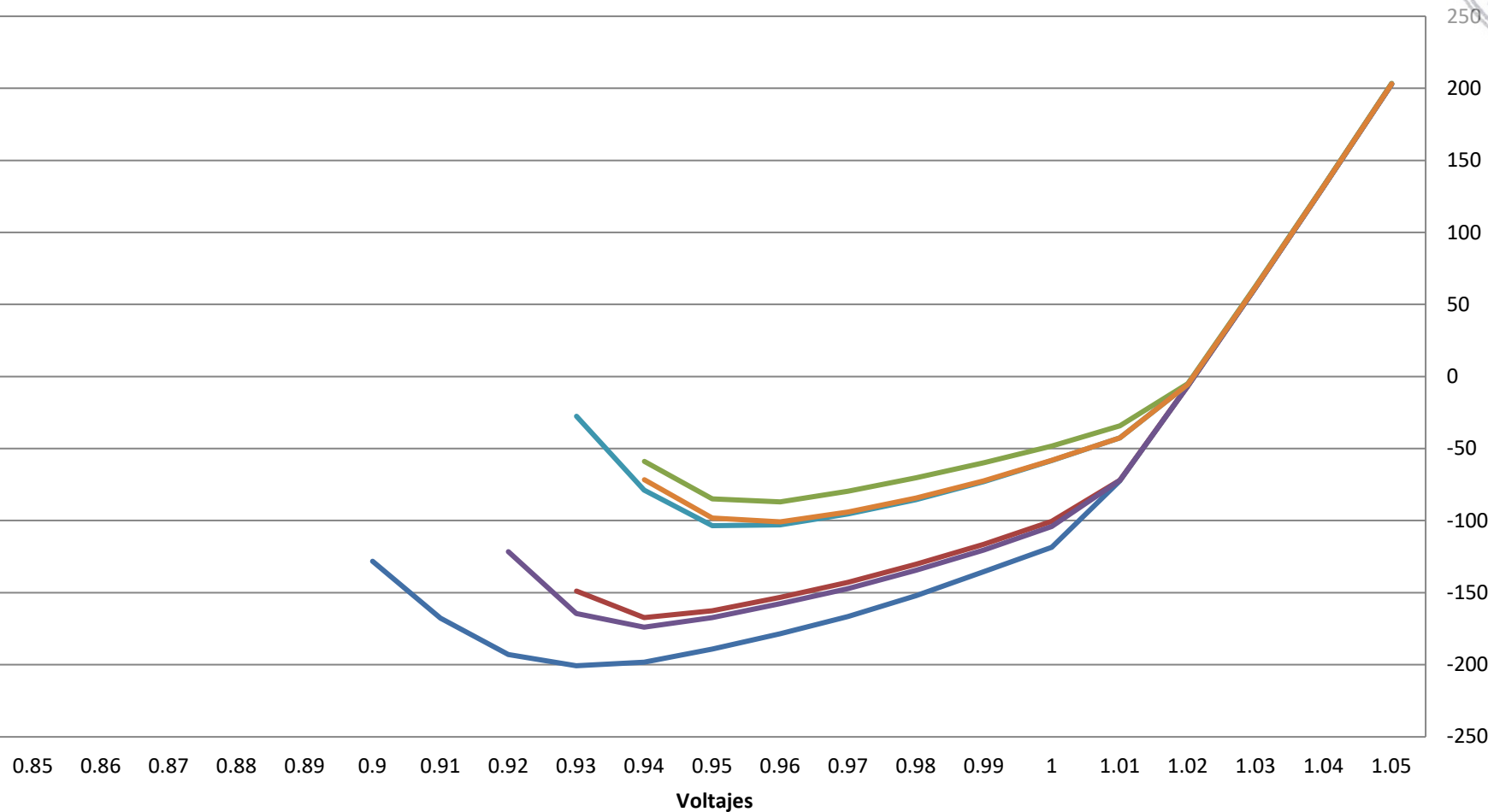
2026CA_ModMax_Lluv- 6002



BASE CASE VLTAGE 6182-6440(5A) VLTAGE 6460-6713(2C)
VLTAGE 6011-6182(5D) VLTAGE 6005-6830(9A) VLTAGE 6005-6008(50)

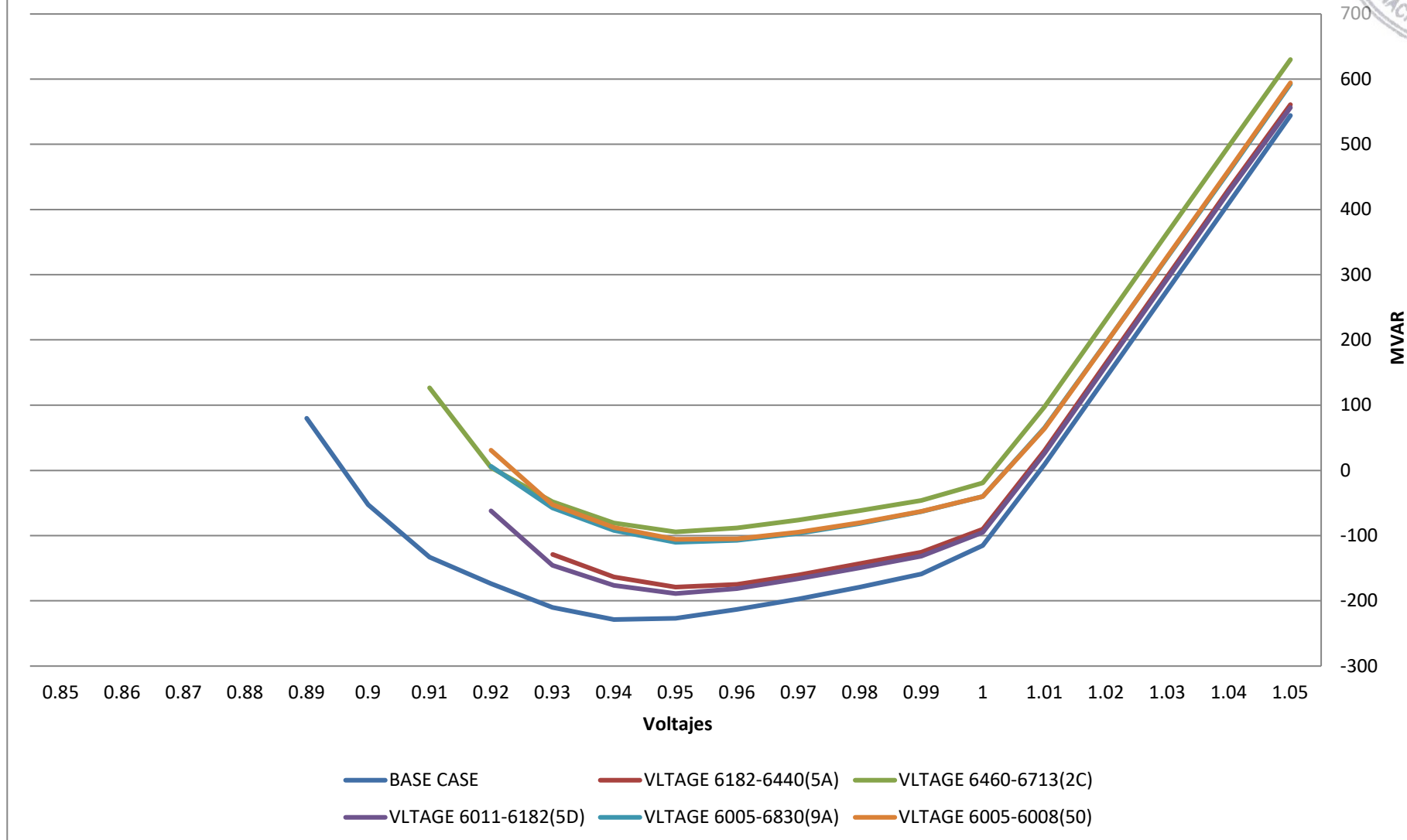
2026CA_ModMax_Lluv- 6004

MVAR

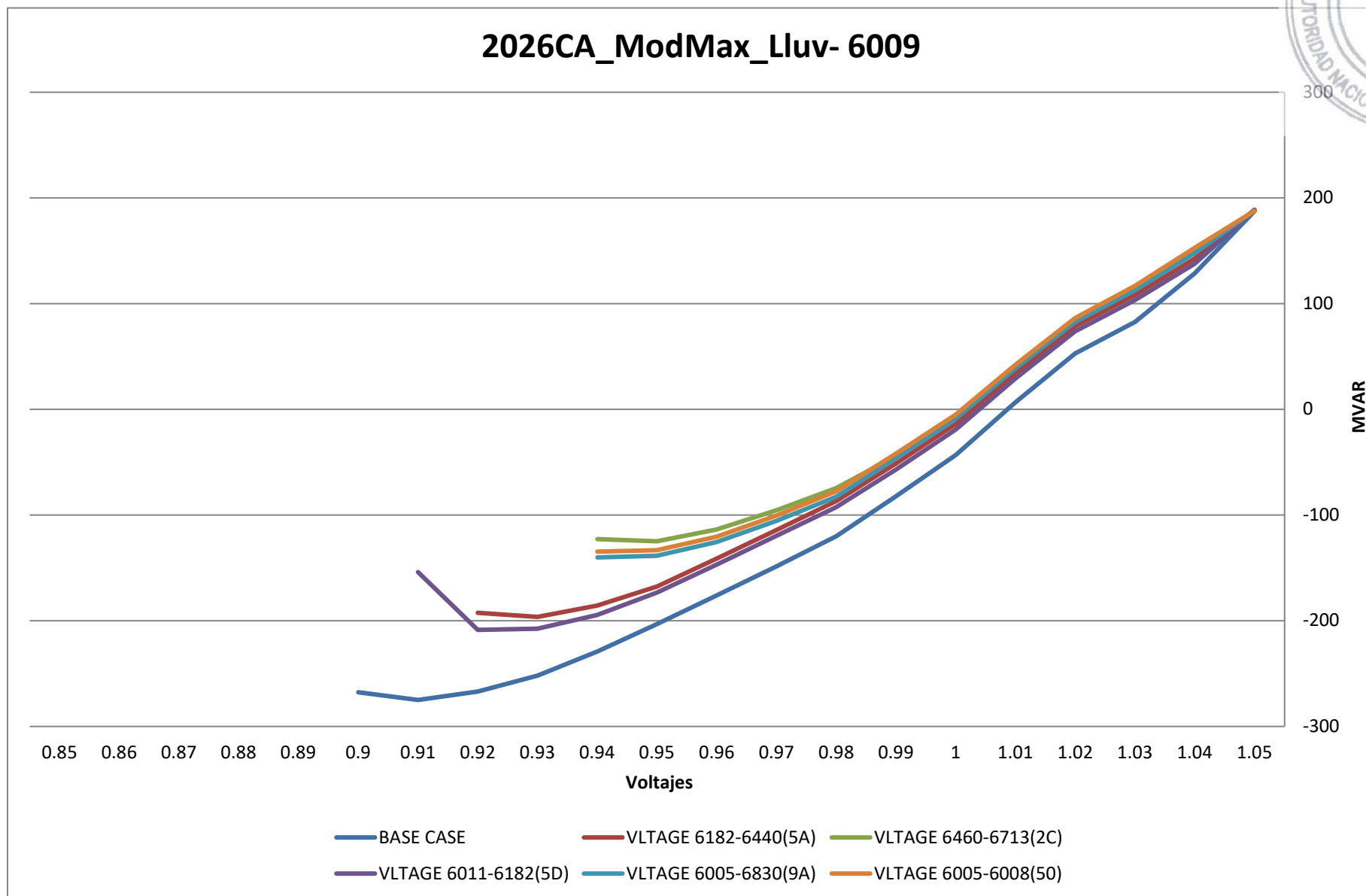


— BASE CASE — VLTAGE 6182-6440(5A) — VLTAGE 6460-6713(2C)
— VLTAGE 6011-6182(5D) — VLTAGE 6005-6830(9A) — VLTAGE 6005-6008(50)

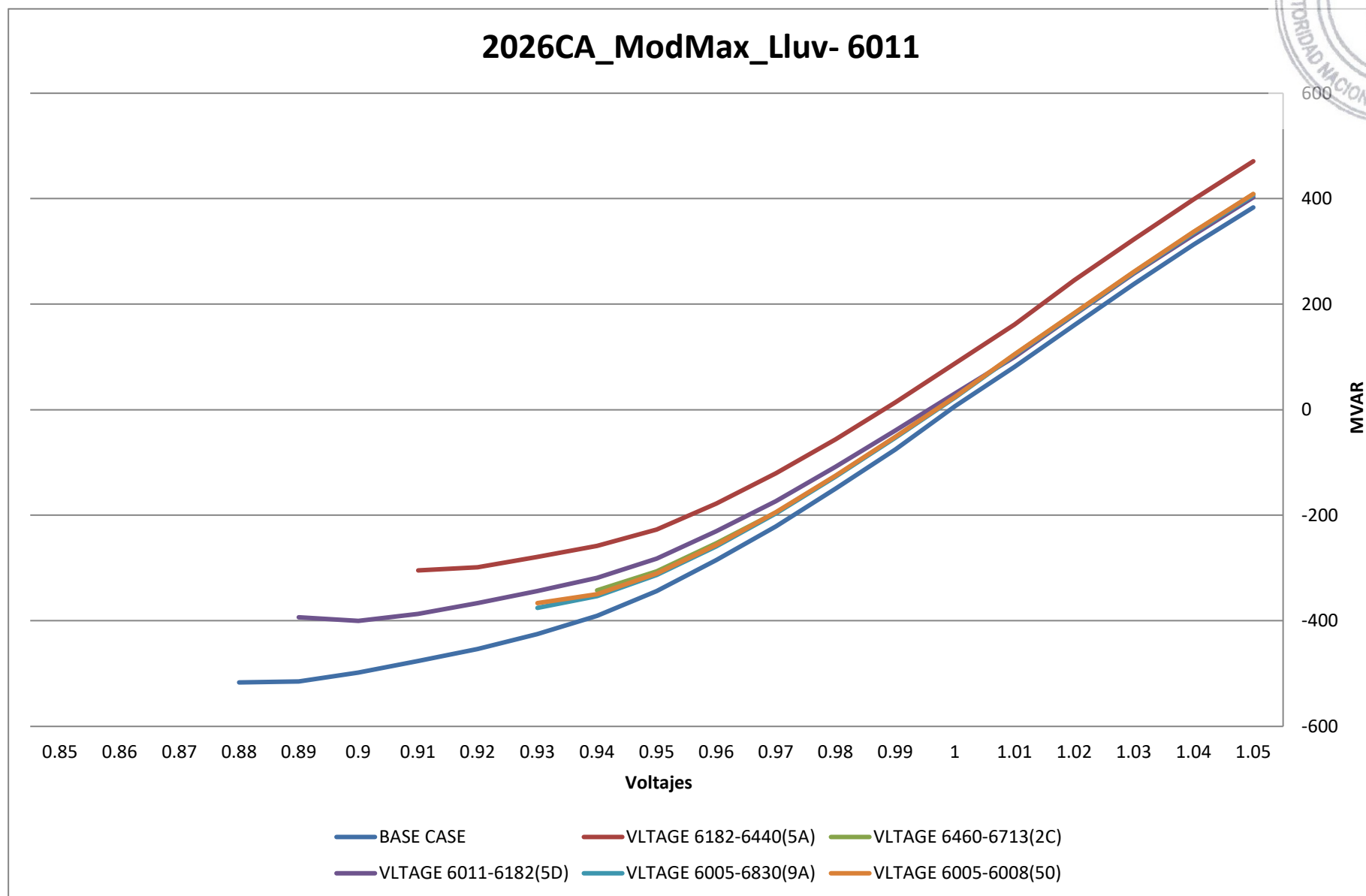
2026CA_ModMax_Lluv- 6005



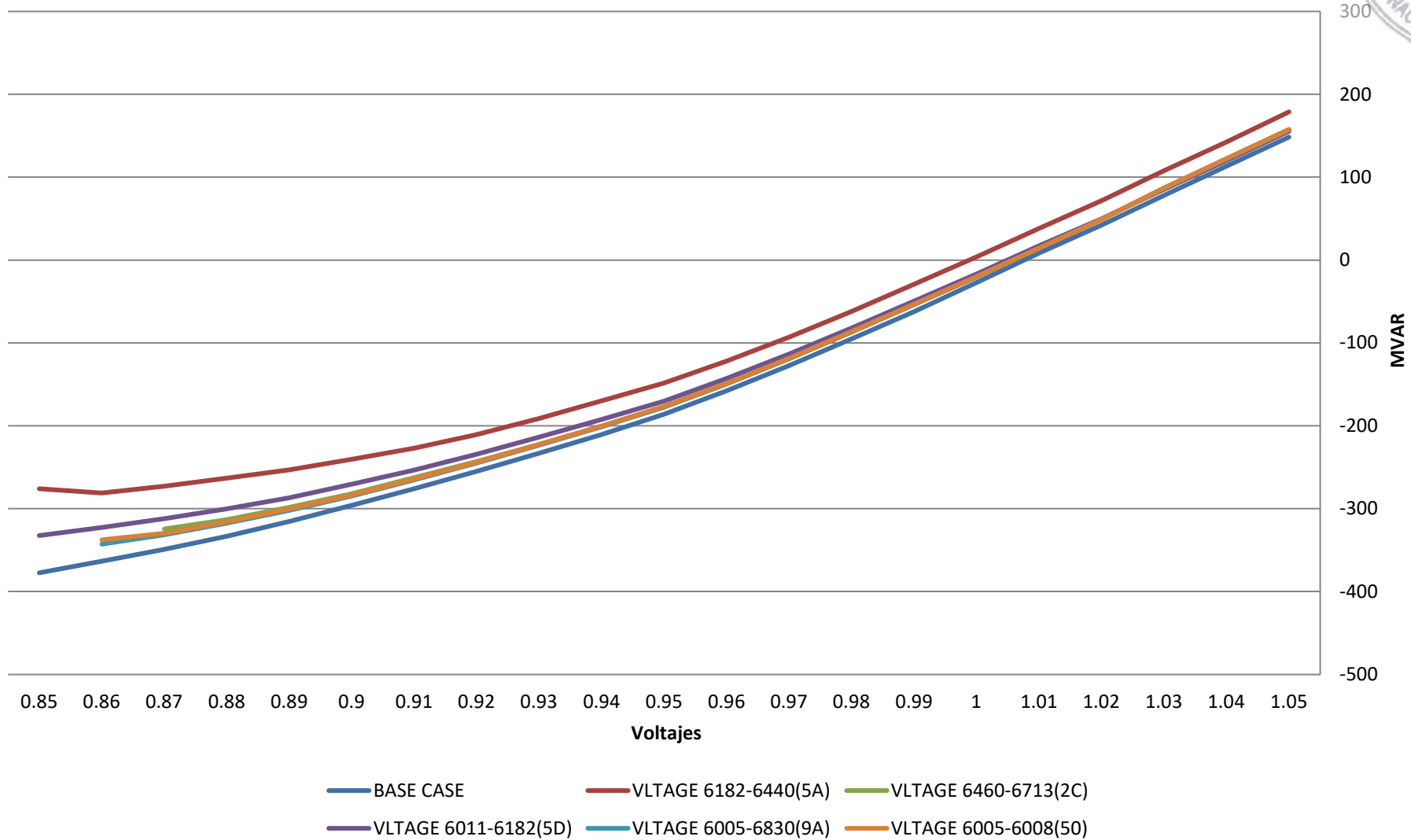
2026CA_ModMax_Lluv- 6009



2026CA_ModMax_Lluv- 6011



2026CA_ModMax_Lluv- 6012

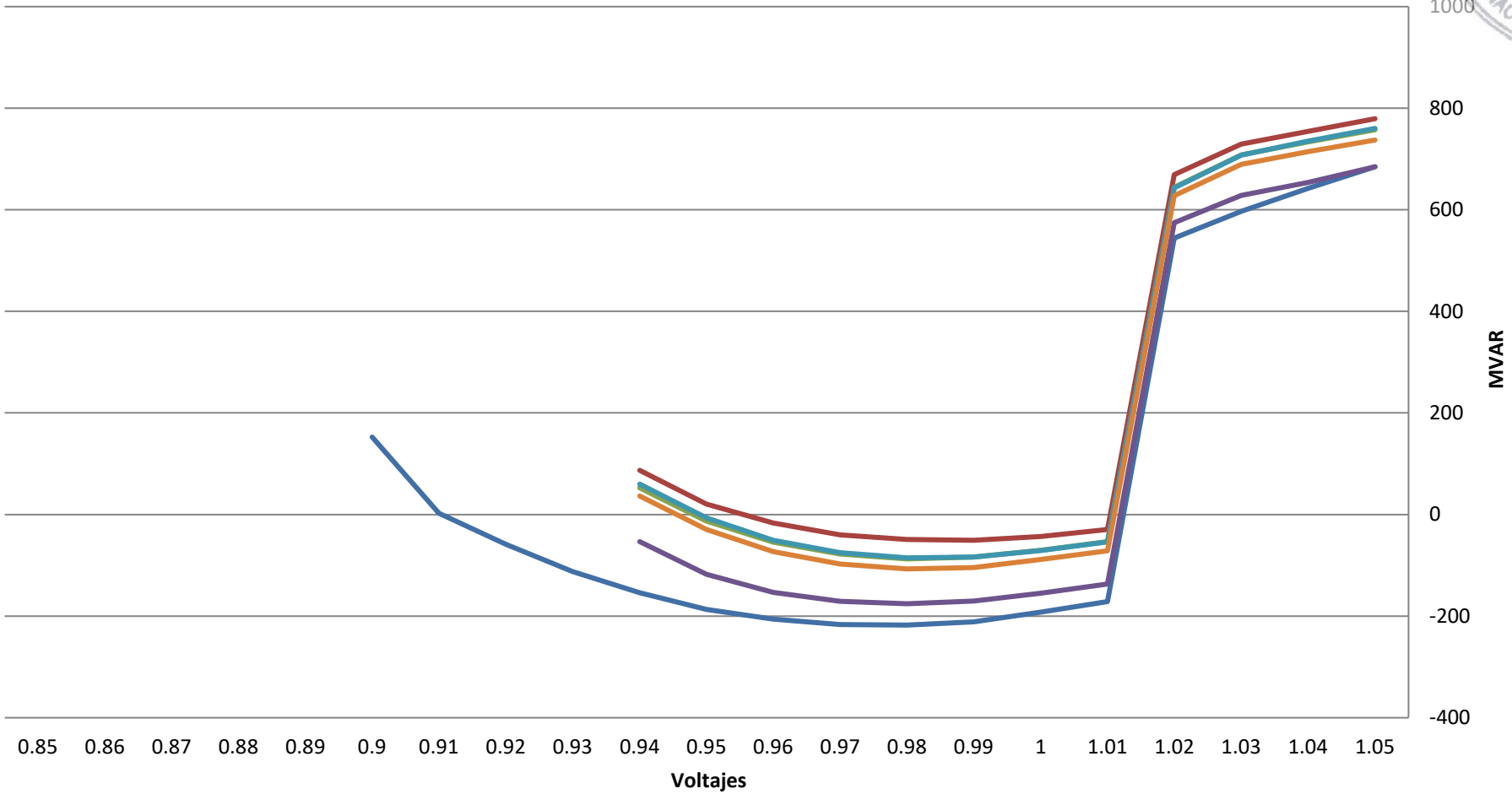




2027 LLUVIOSA

AB

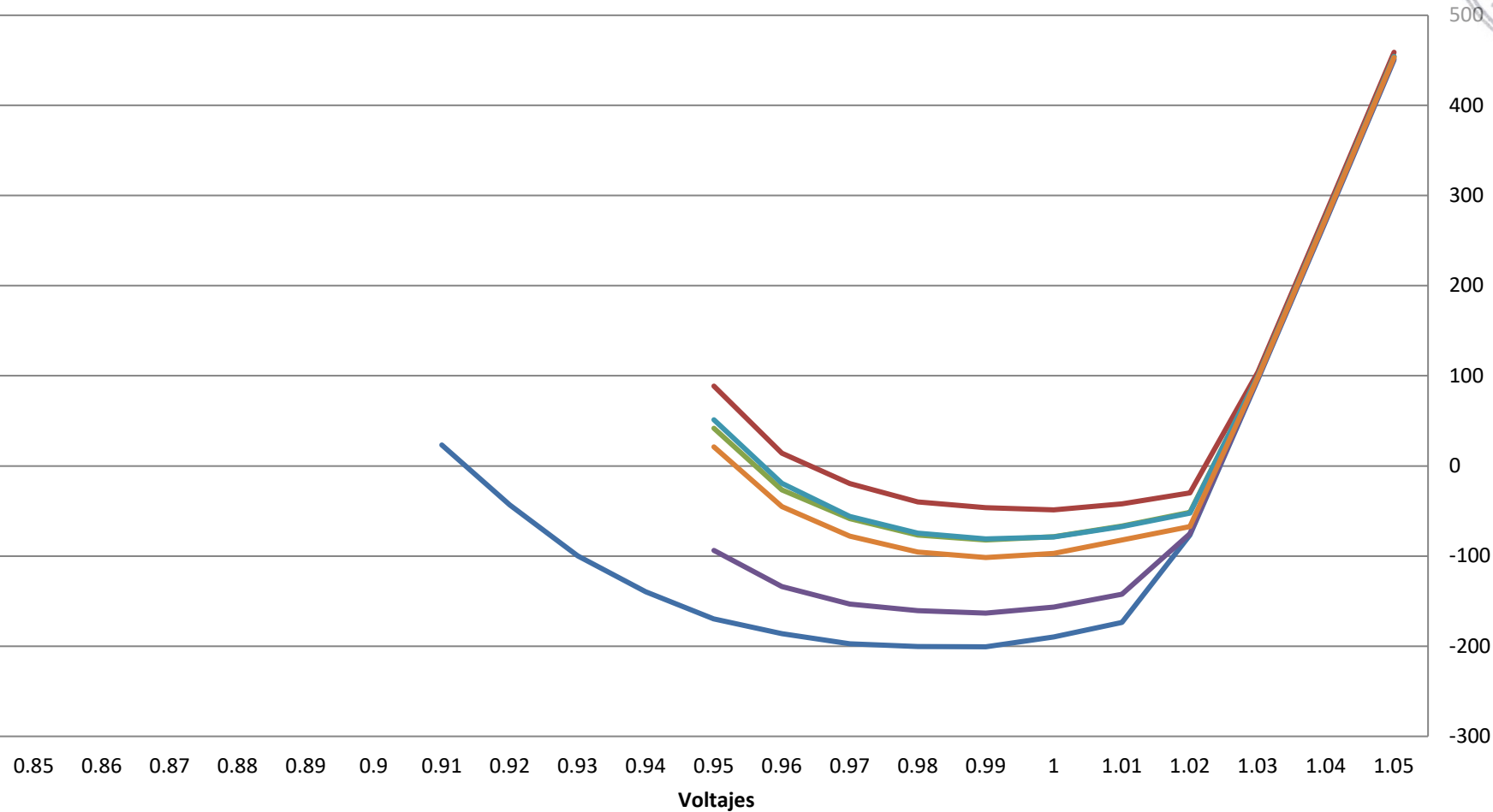
2027CA_ModMax_Lluv- 6001



BASE CASE VLTAGE 6460-6713(2C) VLTAGE 6005-6830(9A)
VLTAGE 6182-6440(5A) VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B)

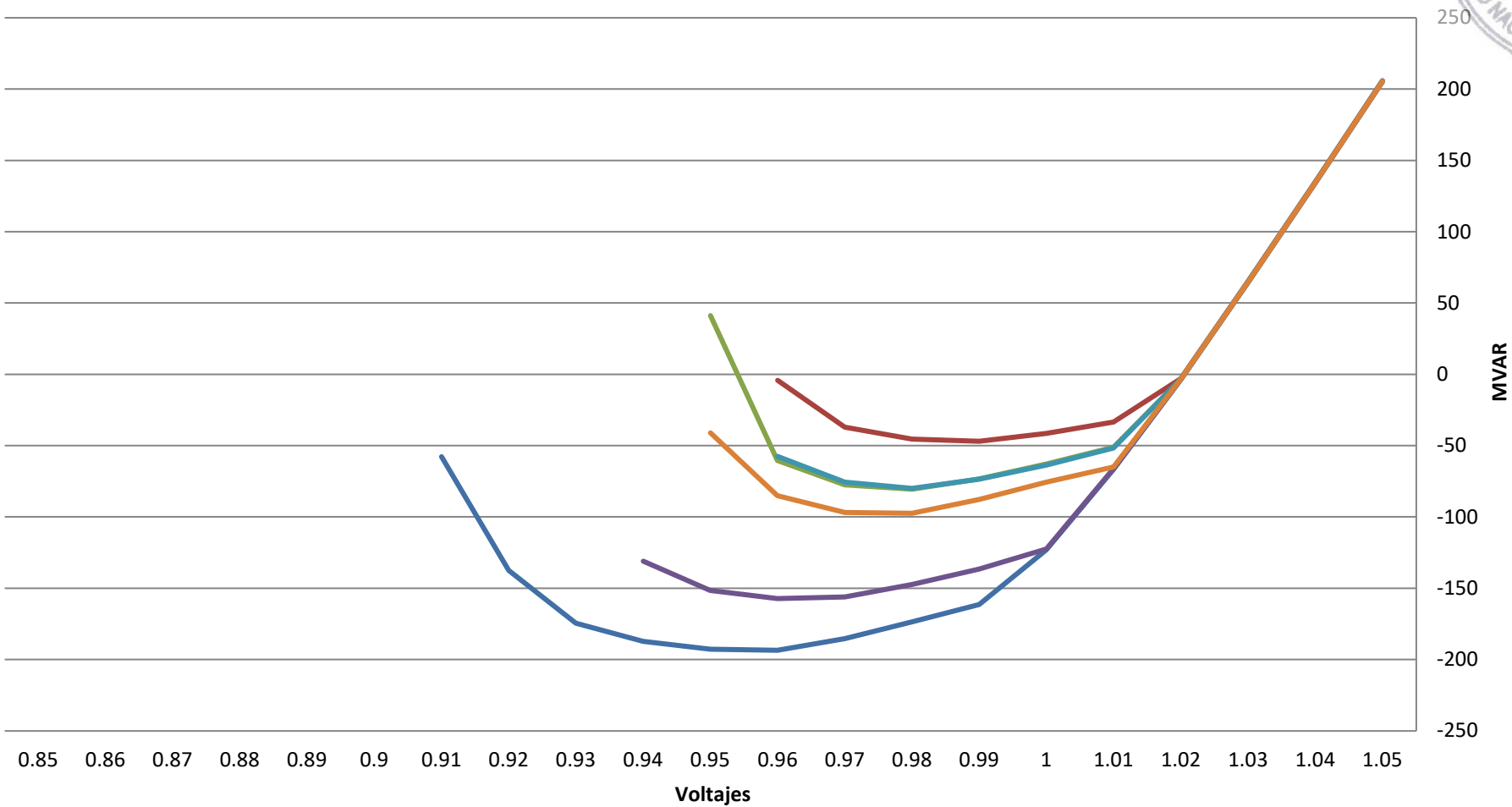
2027CA_ModMax_Lluv- 6002

MVAR



— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6005-6830(9A)
— VLTAGE 6182-6440(5A) — VLTAGE 6005-6008(50) — VLTAGE 6008-6830(9B)

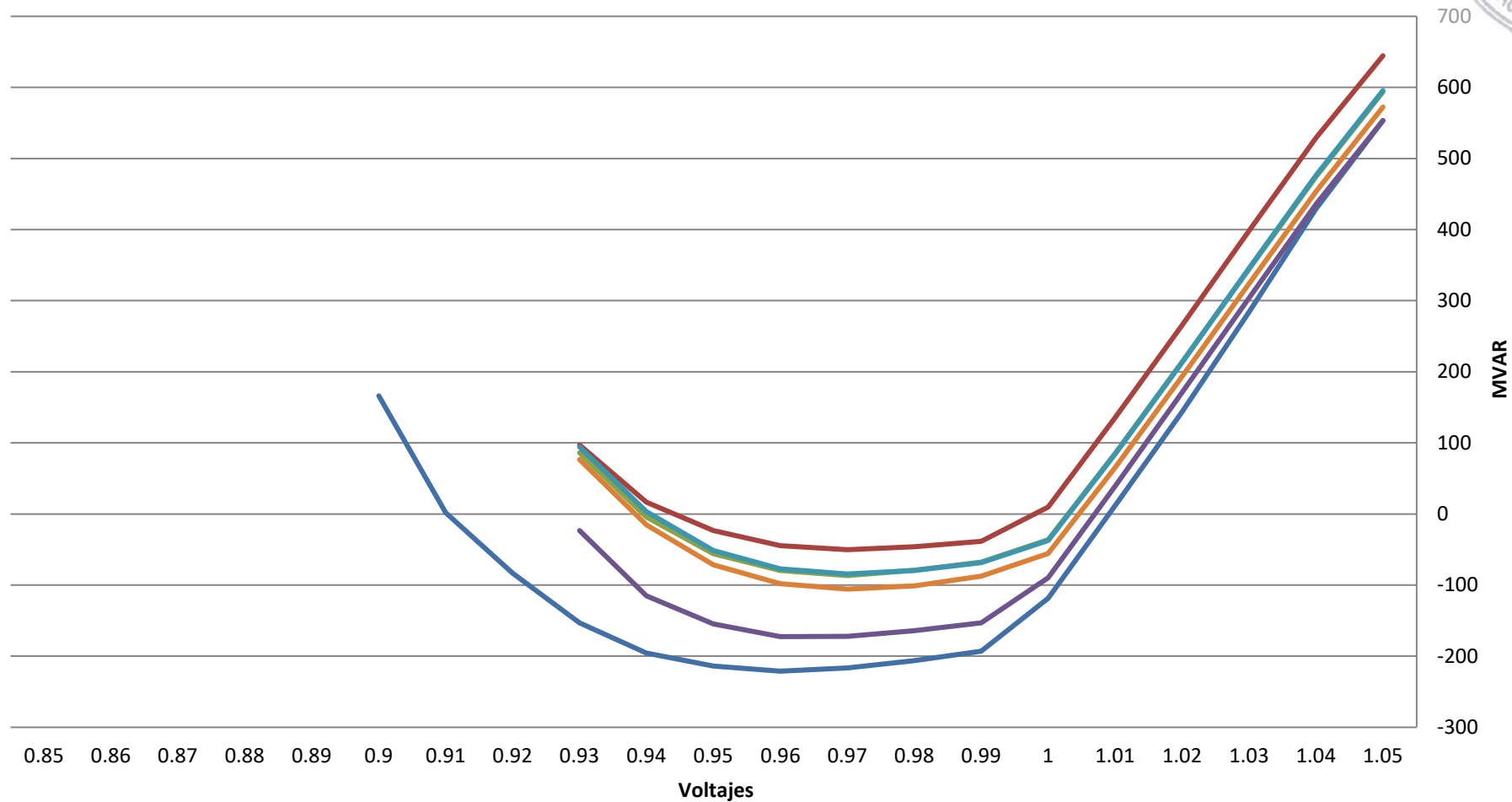
2027CA_ModMax_Lluv- 6004



— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6005-6830(9A)
— VLTAGE 6182-6440(5A) — VLTAGE 6005-6008(50) — VLTAGE 6008-6830(9B)



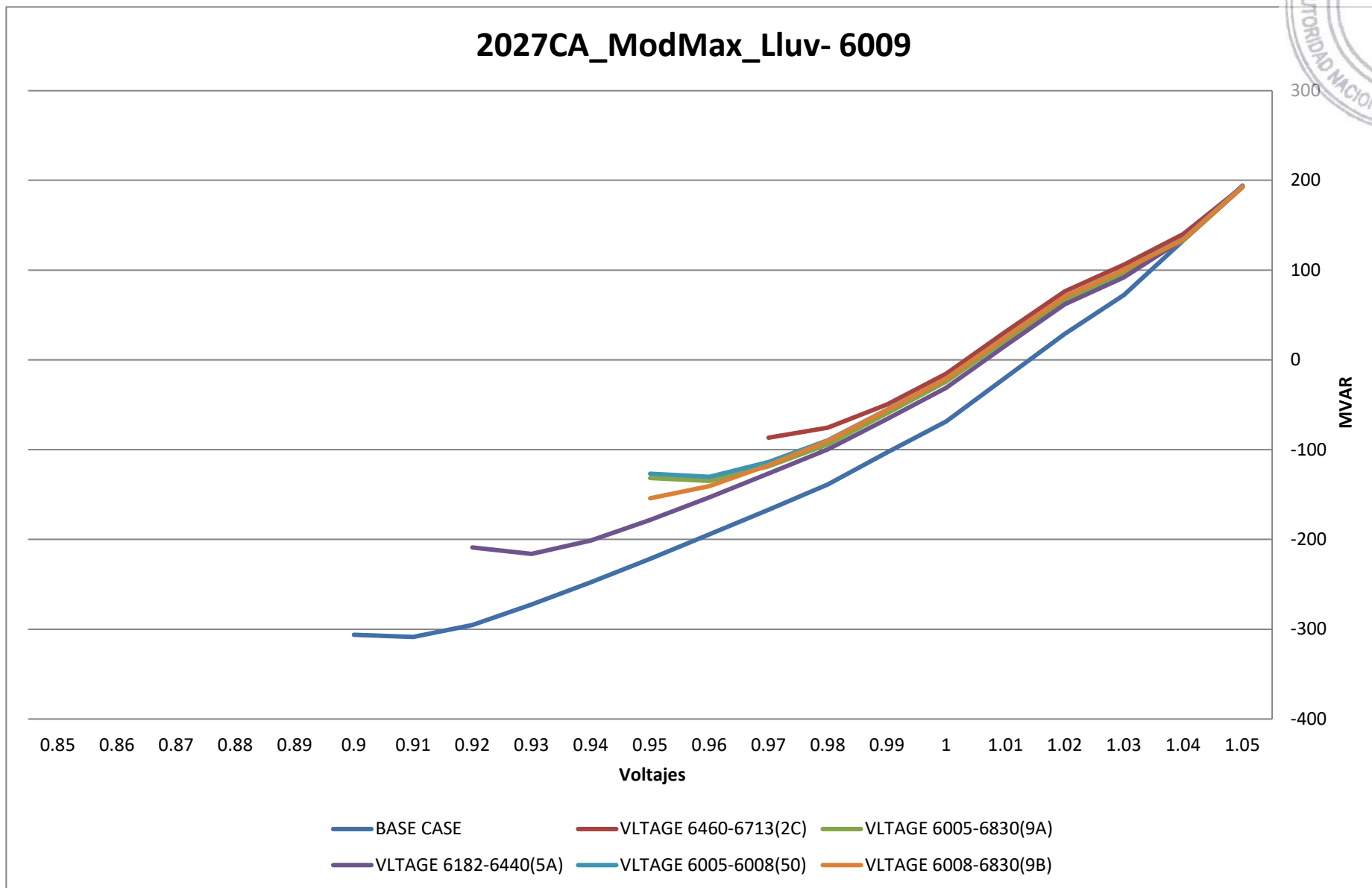
2027CA_ModMax_Lluv- 6005



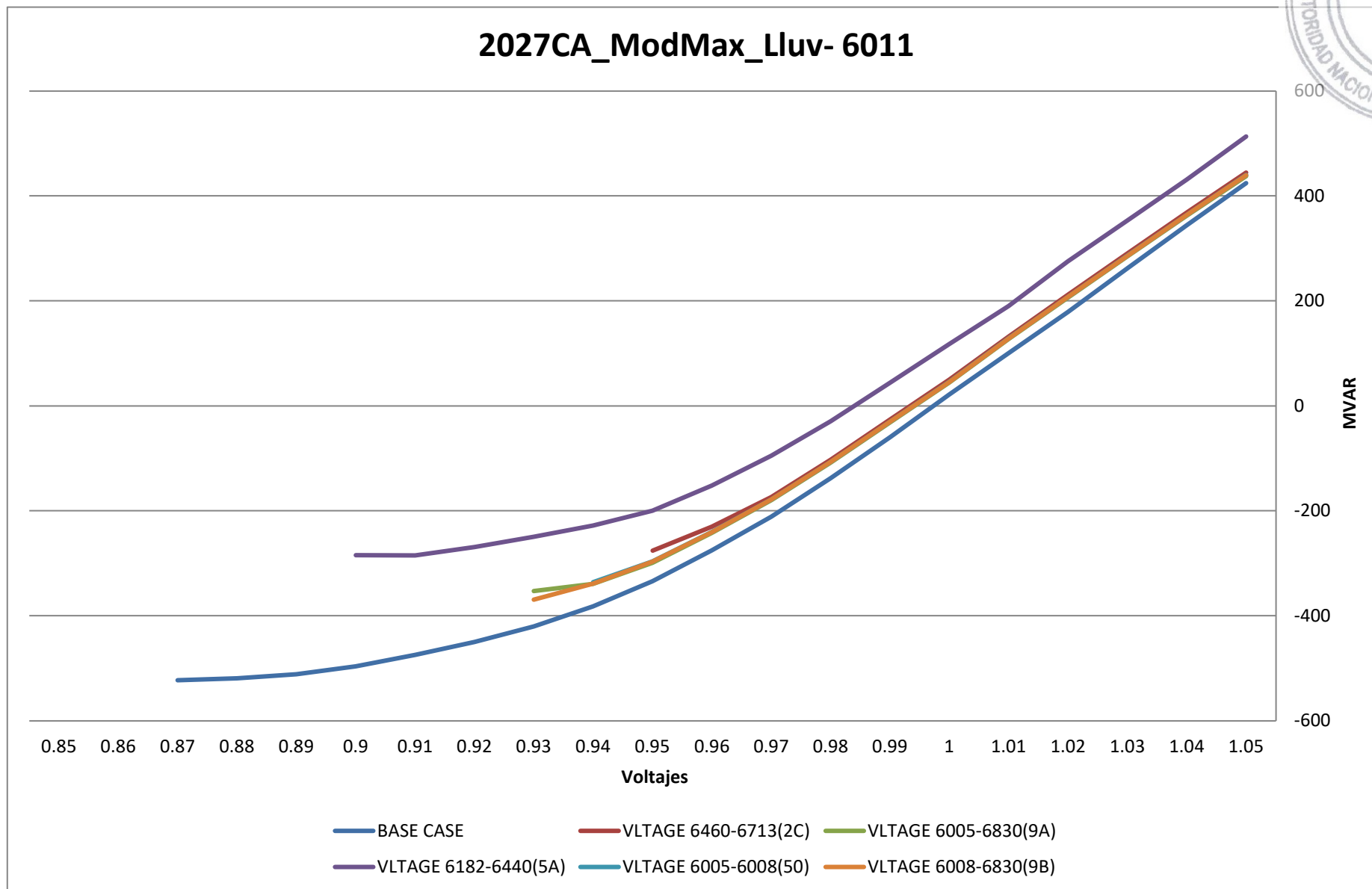
— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6005-6830(9A)
— VLTAGE 6182-6440(5A) — VLTAGE 6005-6008(50) — VLTAGE 6008-6830(9B)

AP

2027CA_ModMax_Lluv- 6009

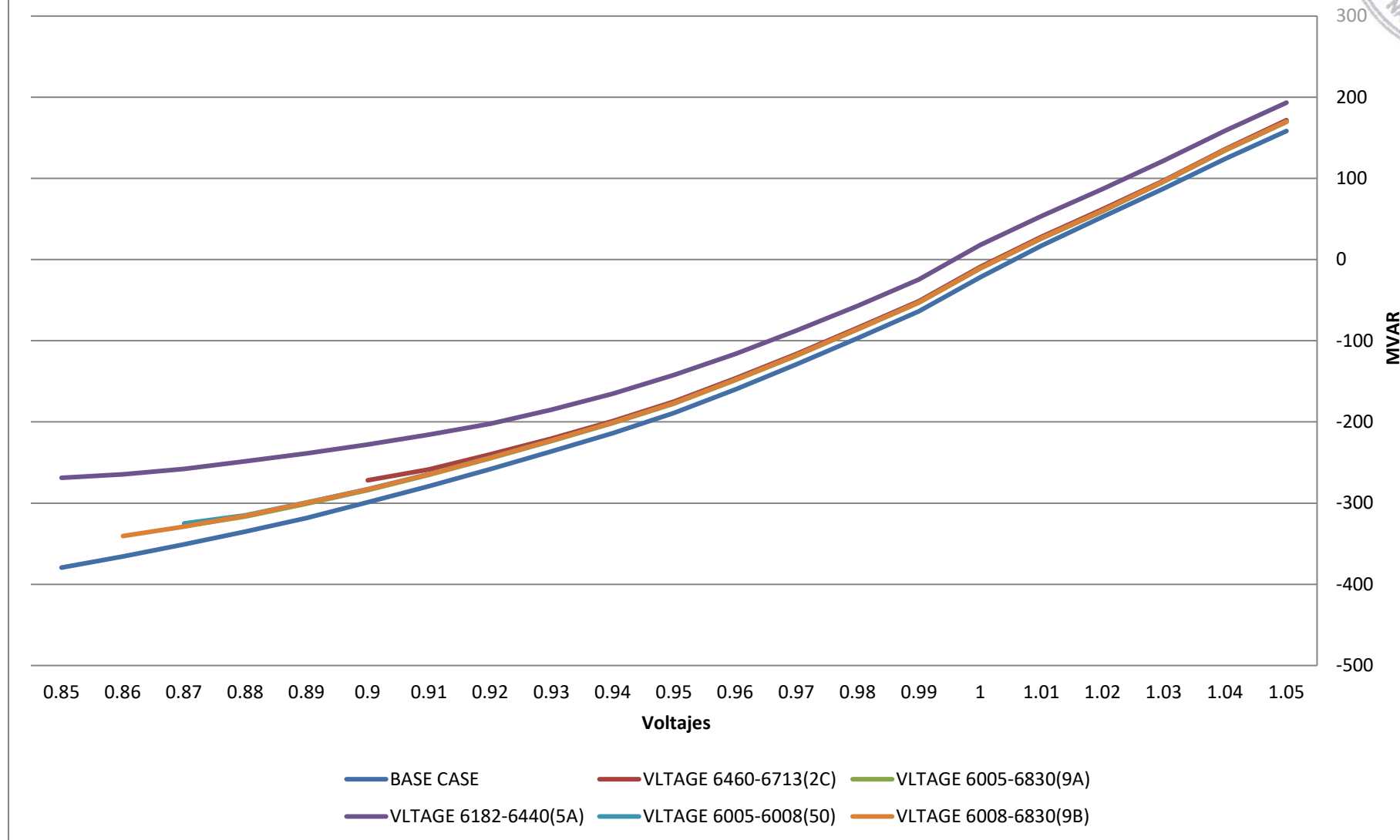


2027CA_ModMax_Lluv- 6011





2027CA_ModMax_Lluv- 6012



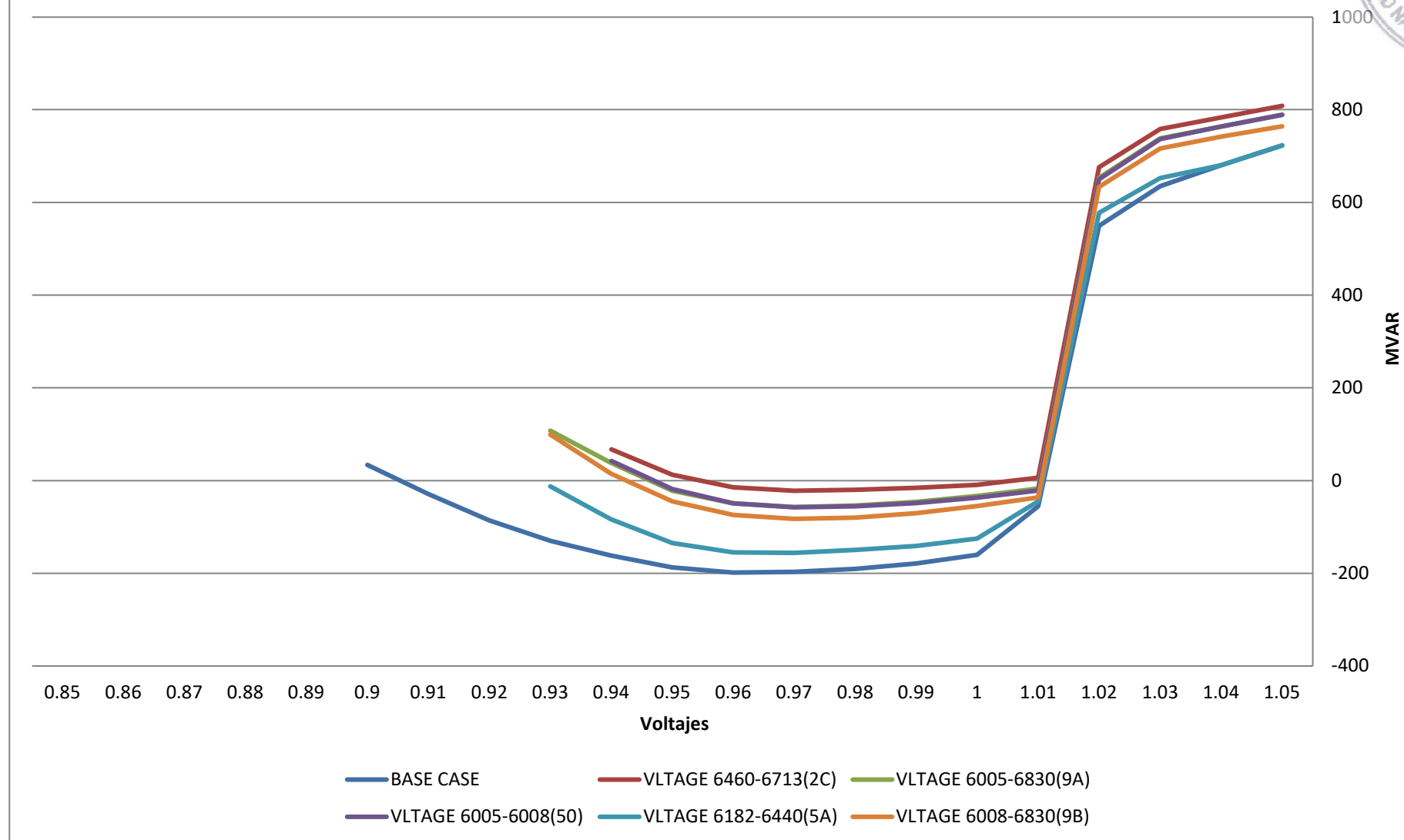
AP



2028 LLUVIOSA

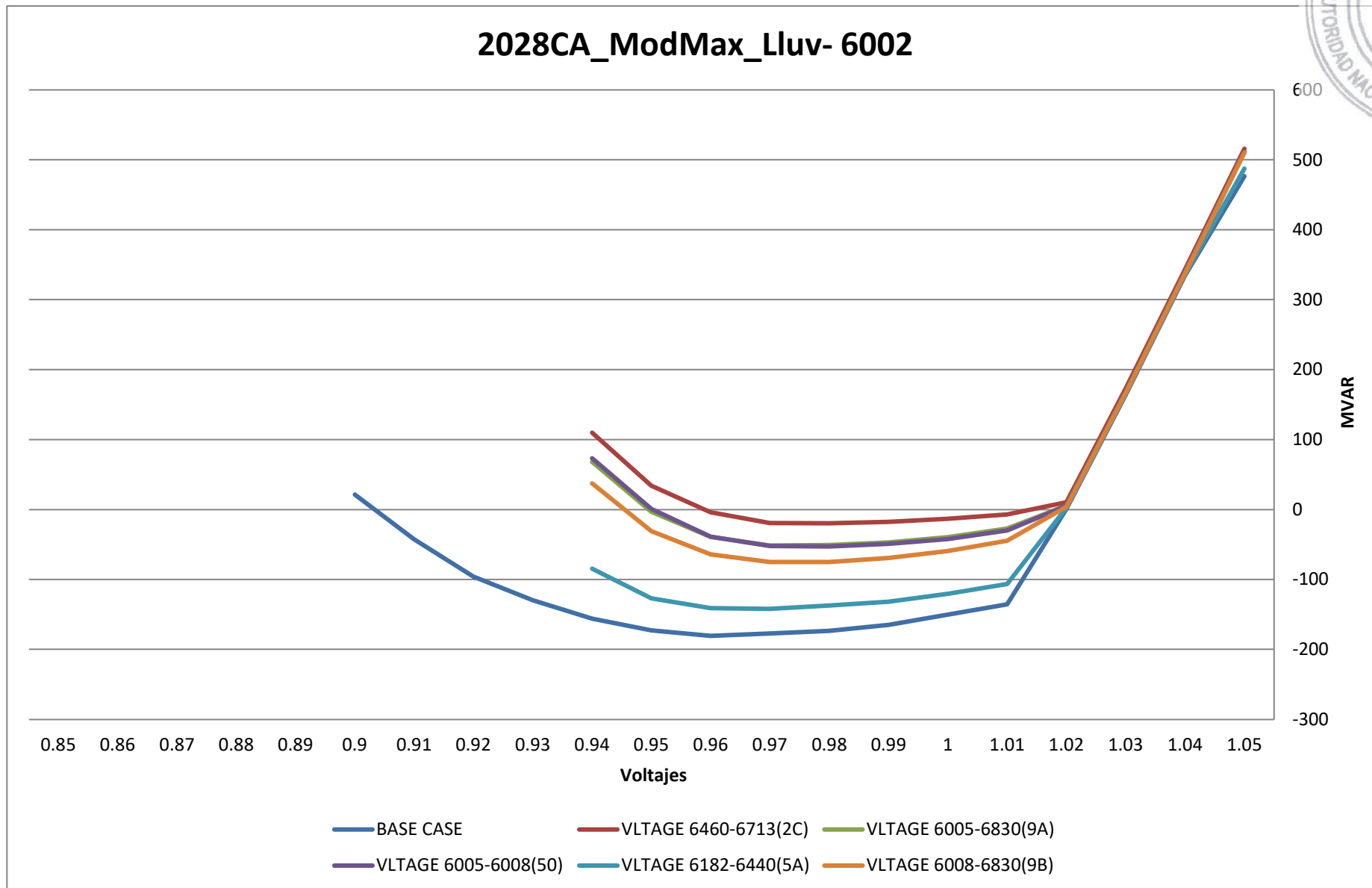
AB

2028CA_ModMax_Lluv- 6001



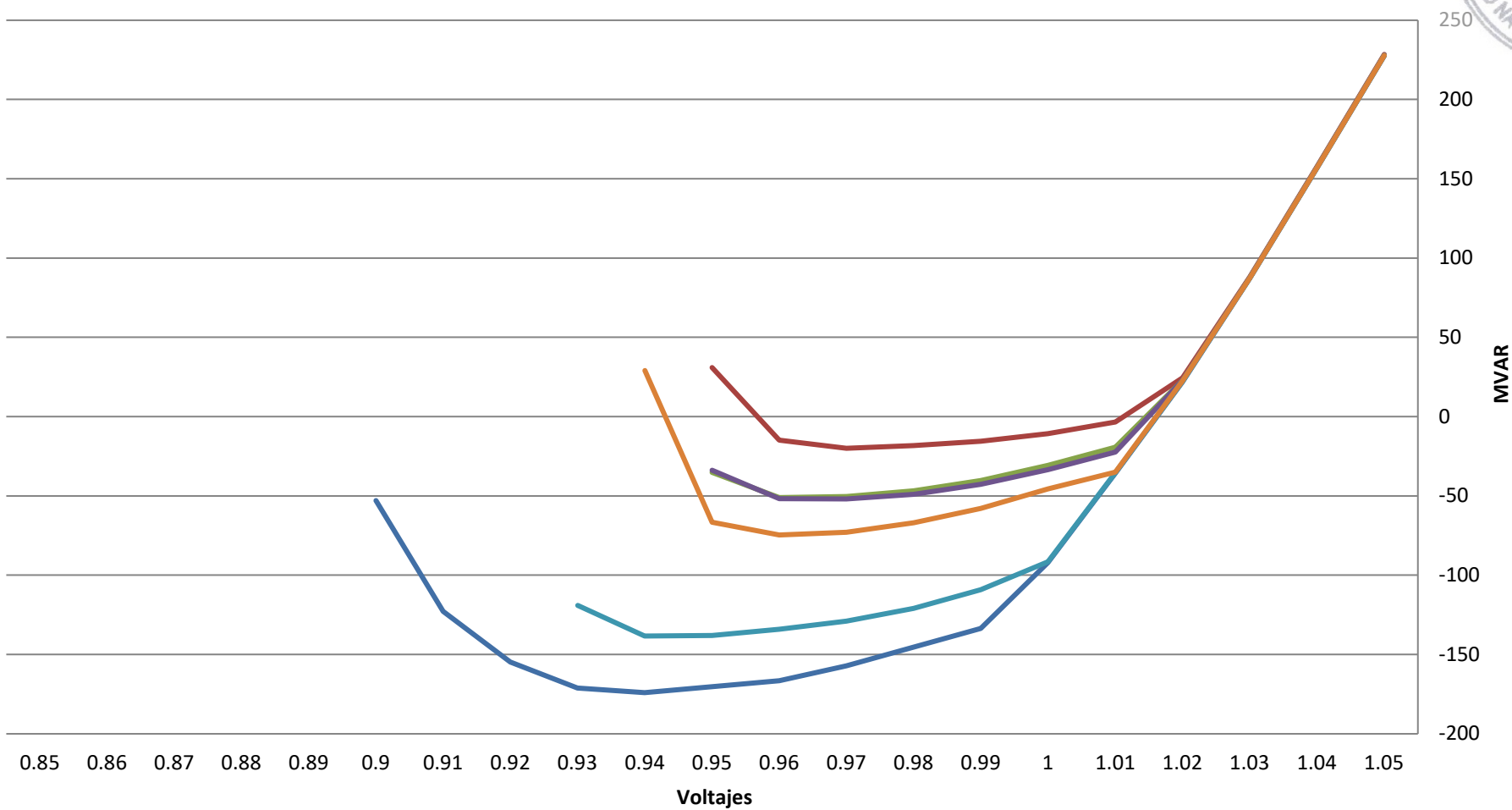


2028CA_ModMax_Lluv- 6002



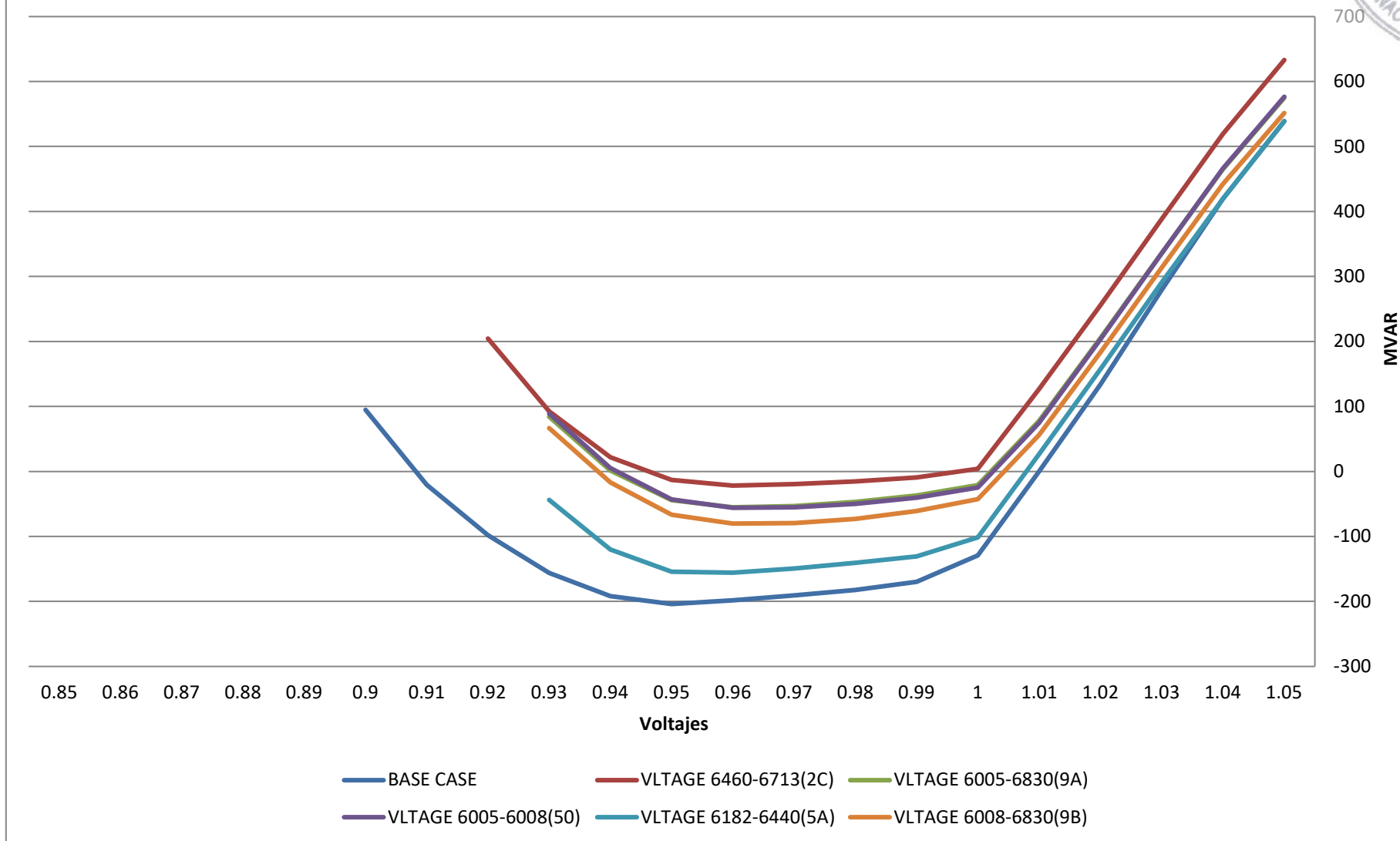
AP

2028CA_ModMax_Lluv- 6004

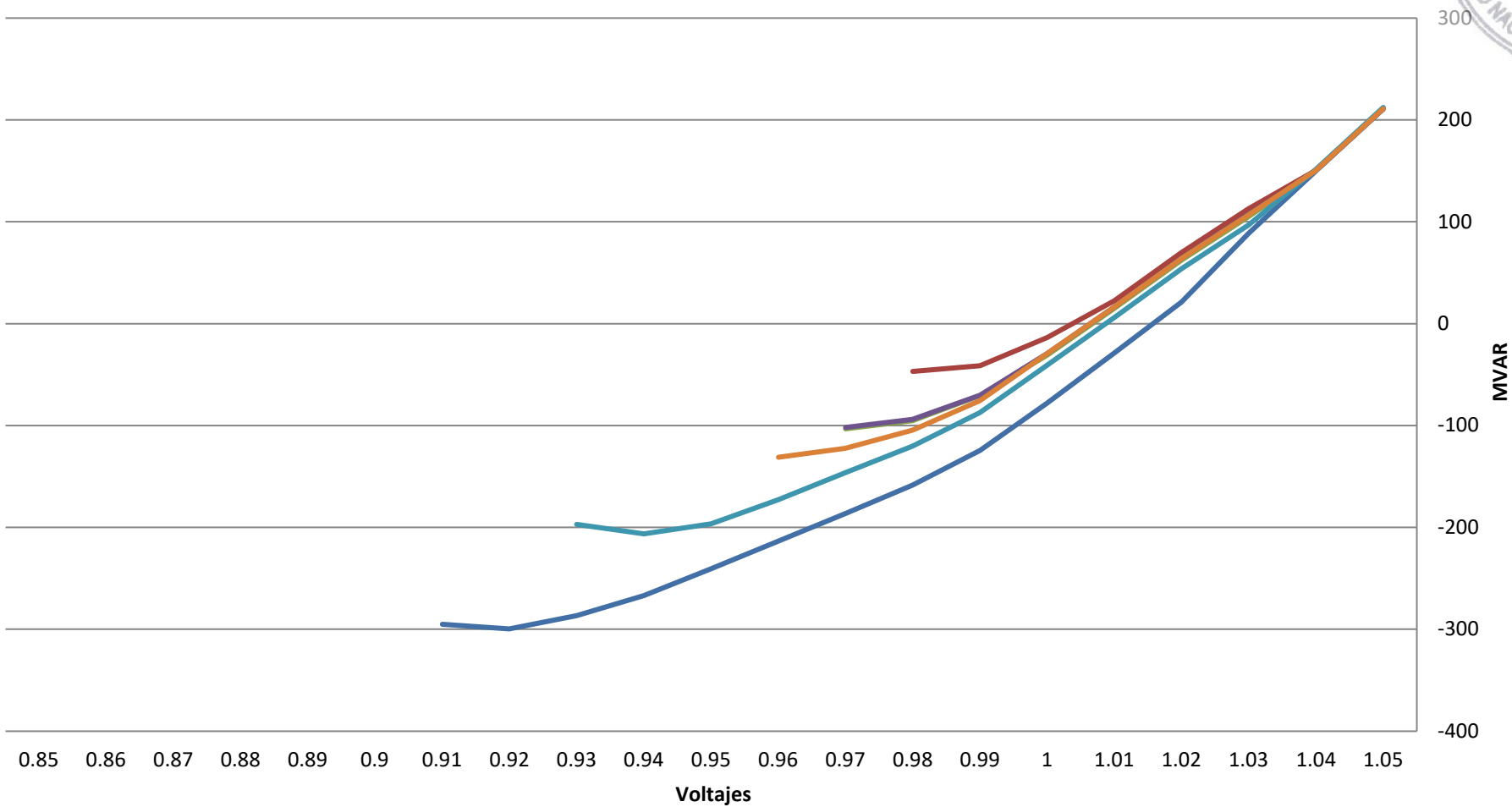


— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6005-6830(9A)
— VLTAGE 6005-6008(50) — VLTAGE 6182-6440(5A) — VLTAGE 6008-6830(9B)

2028CA_ModMax_Lluv- 6005



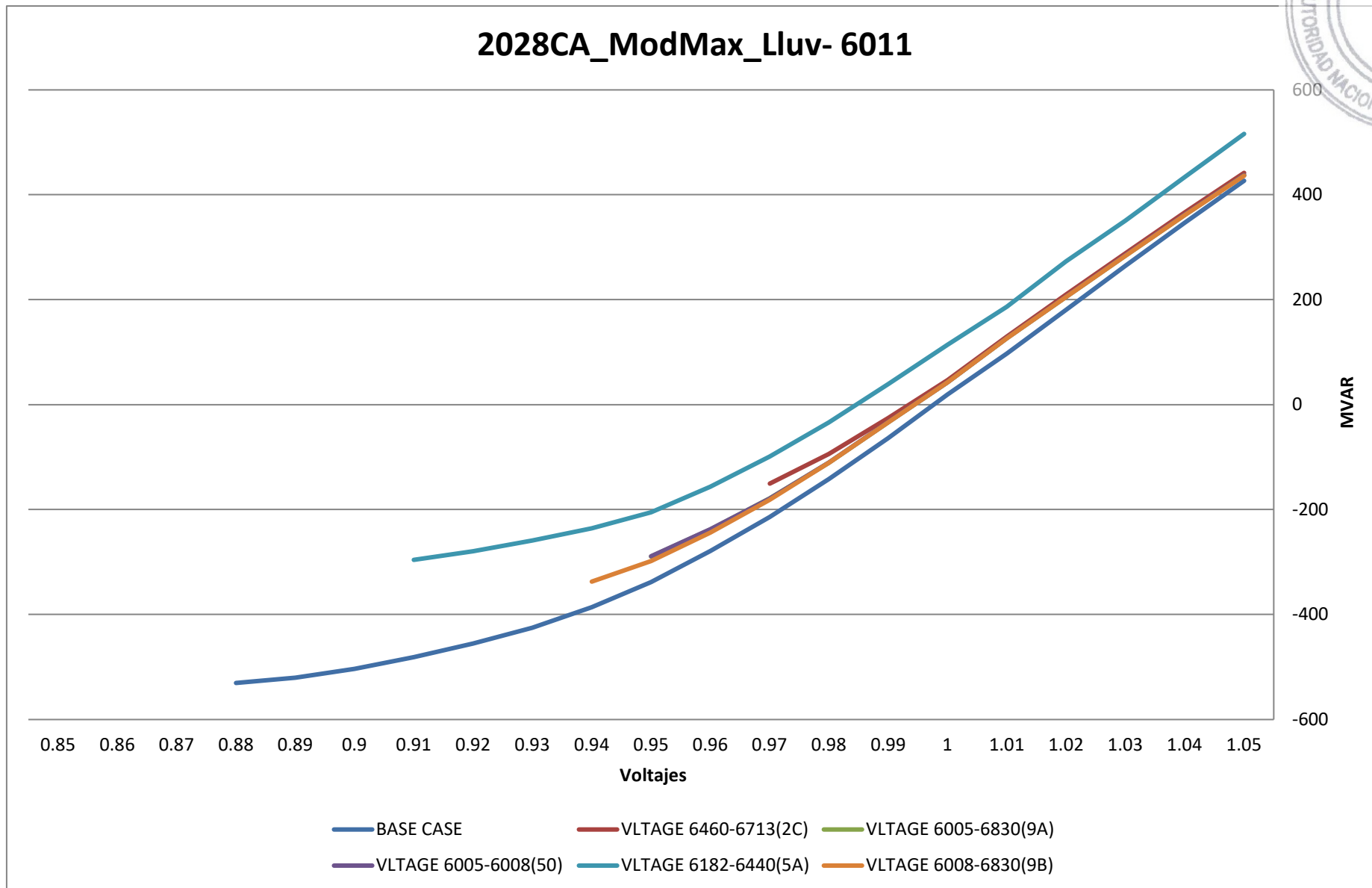
2028CA_ModMax_Lluv- 6009



— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6005-6830(9A)
— VLTAGE 6005-6008(50) — VLTAGE 6182-6440(5A) — VLTAGE 6008-6830(9B)

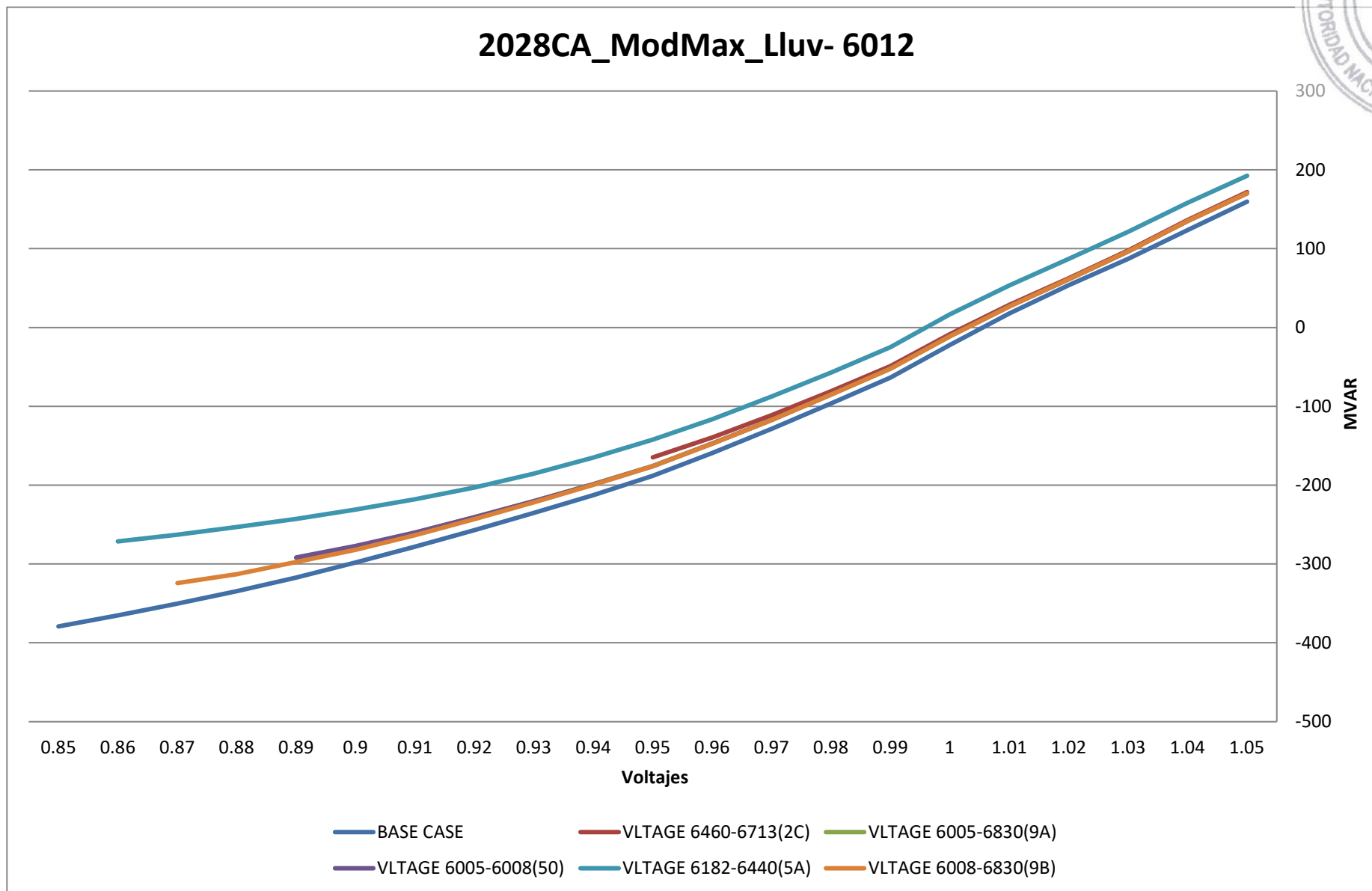


2028CA_ModMax_Lluv- 6011



AP

2028CA_ModMax_Lluv- 6012

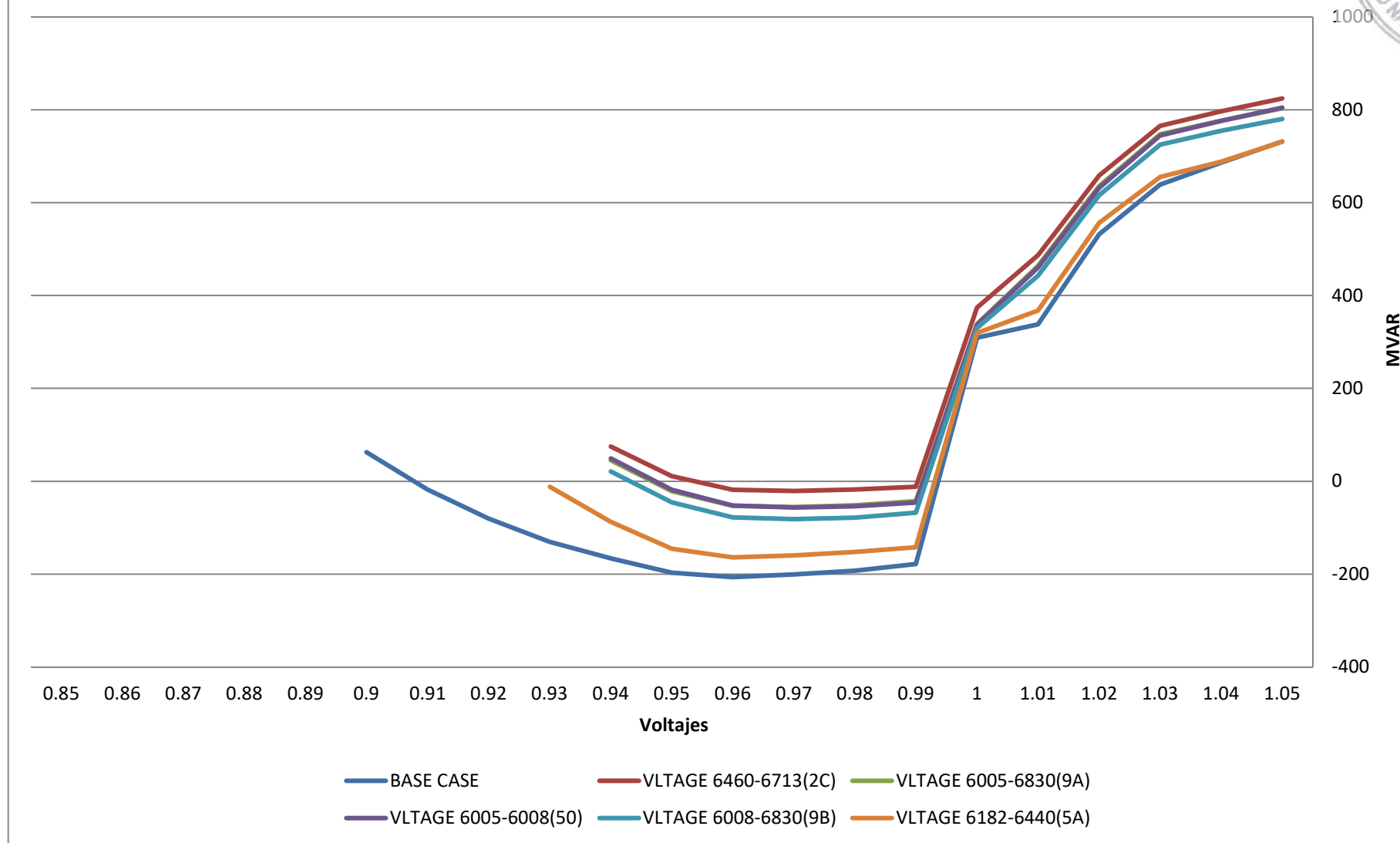




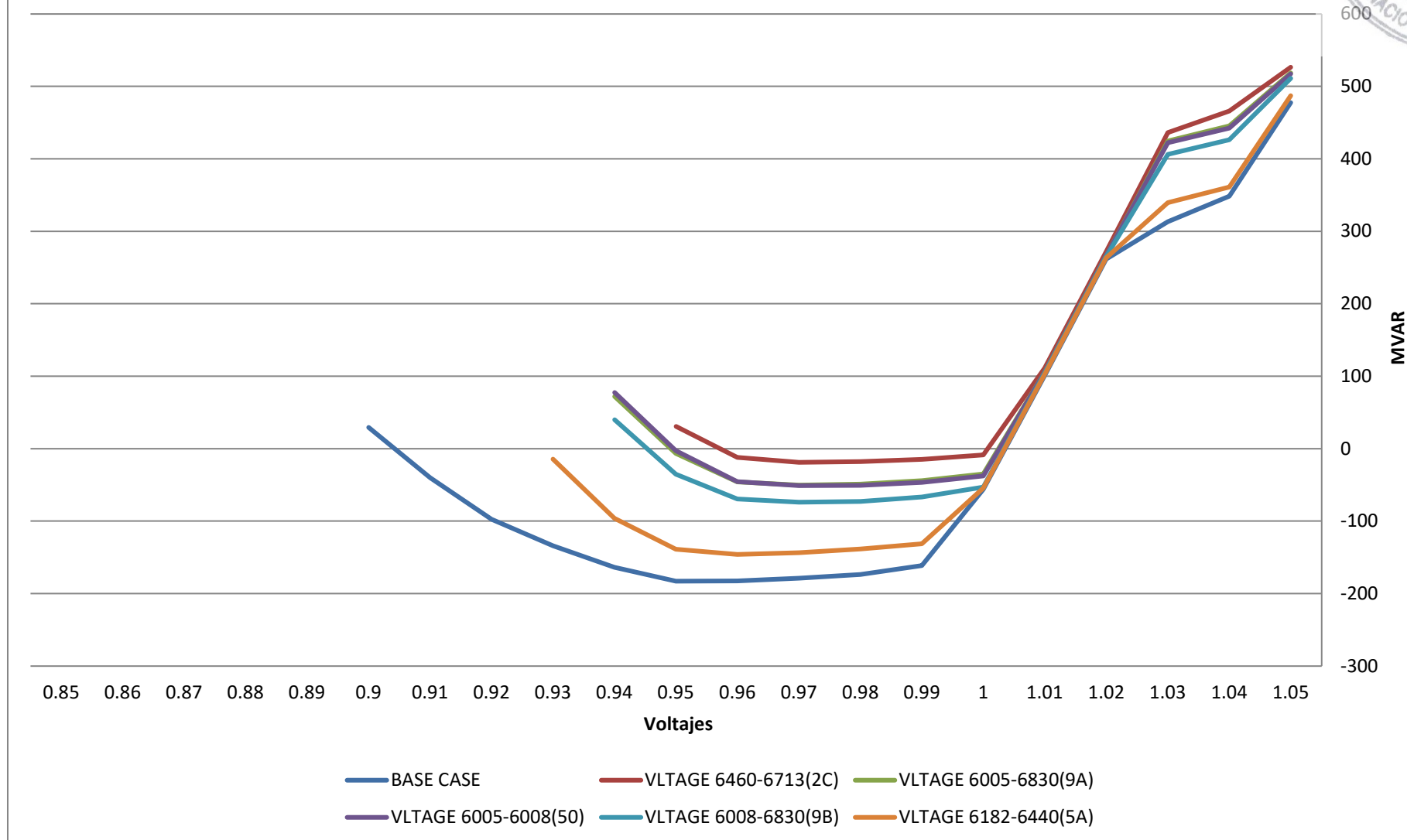
2029 LLUVIOSA

AB

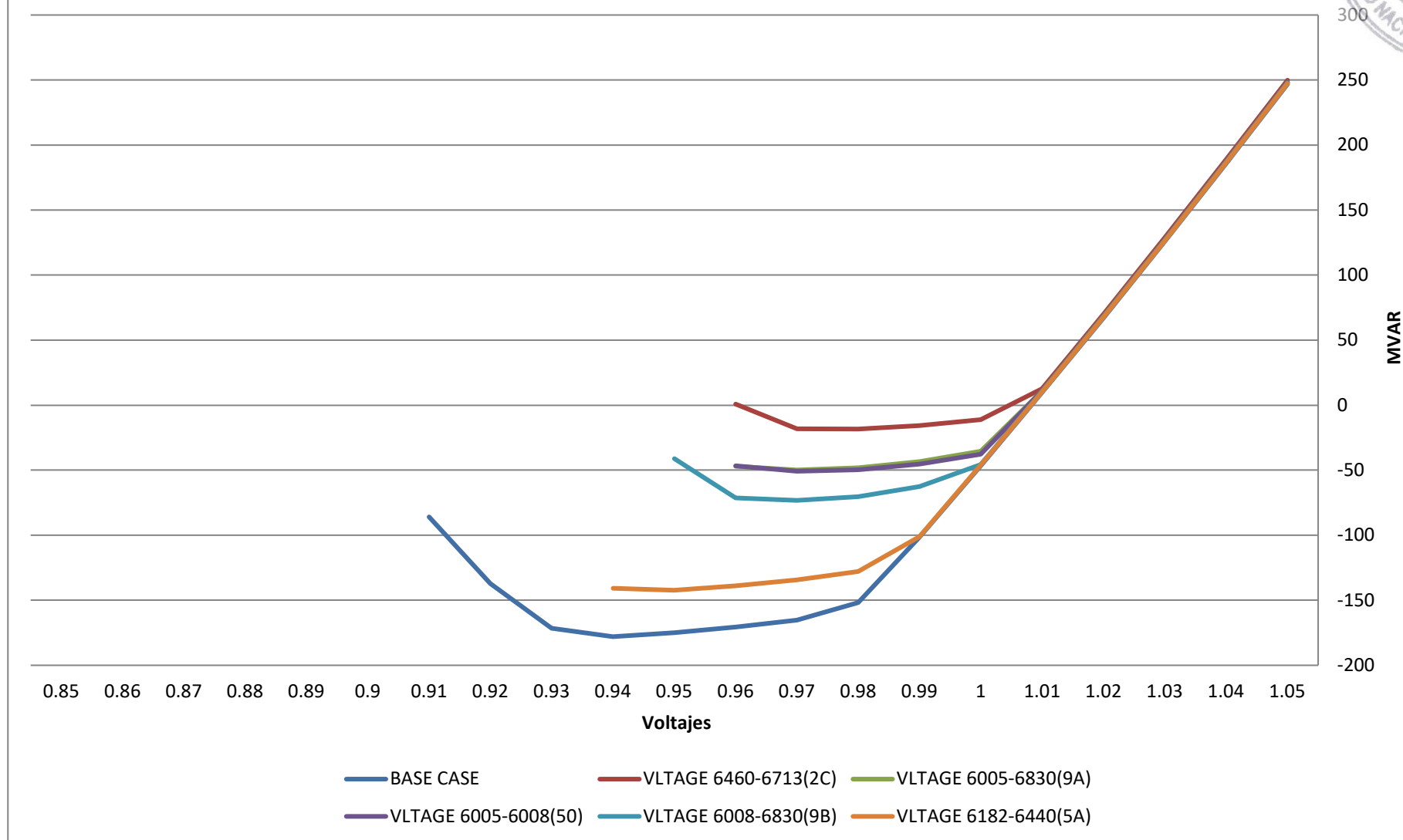
2029CA_ModMax_Lluv- 6001



2029CA_ModMax_Lluv- 6002



2029CA_ModMax_Lluv- 6004



2029CA_ModMax_Lluv- 6005

MVAR

700
600
500
400
300
200
100
0
-100
-200
-300

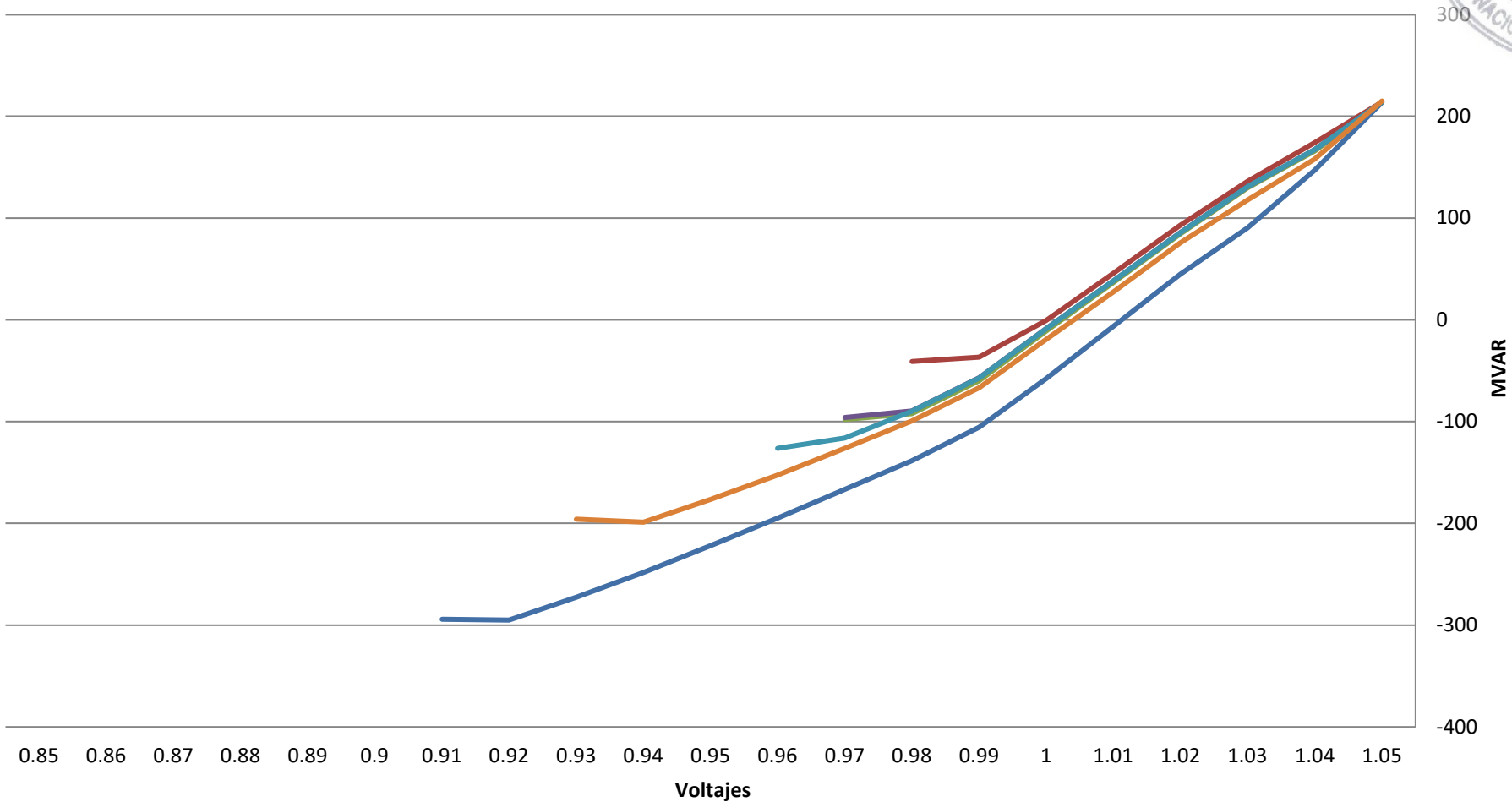
0.85 0.86 0.87 0.88 0.89 0.9 0.91 0.92 0.93 0.94 0.95 0.96 0.97 0.98 0.99 1 1.01 1.02 1.03 1.04 1.05

Voltajes

— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6005-6830(9A)
— VLTAGE 6005-6008(50) — VLTAGE 6008-6830(9B) — VLTAGE 6182-6440(5A)

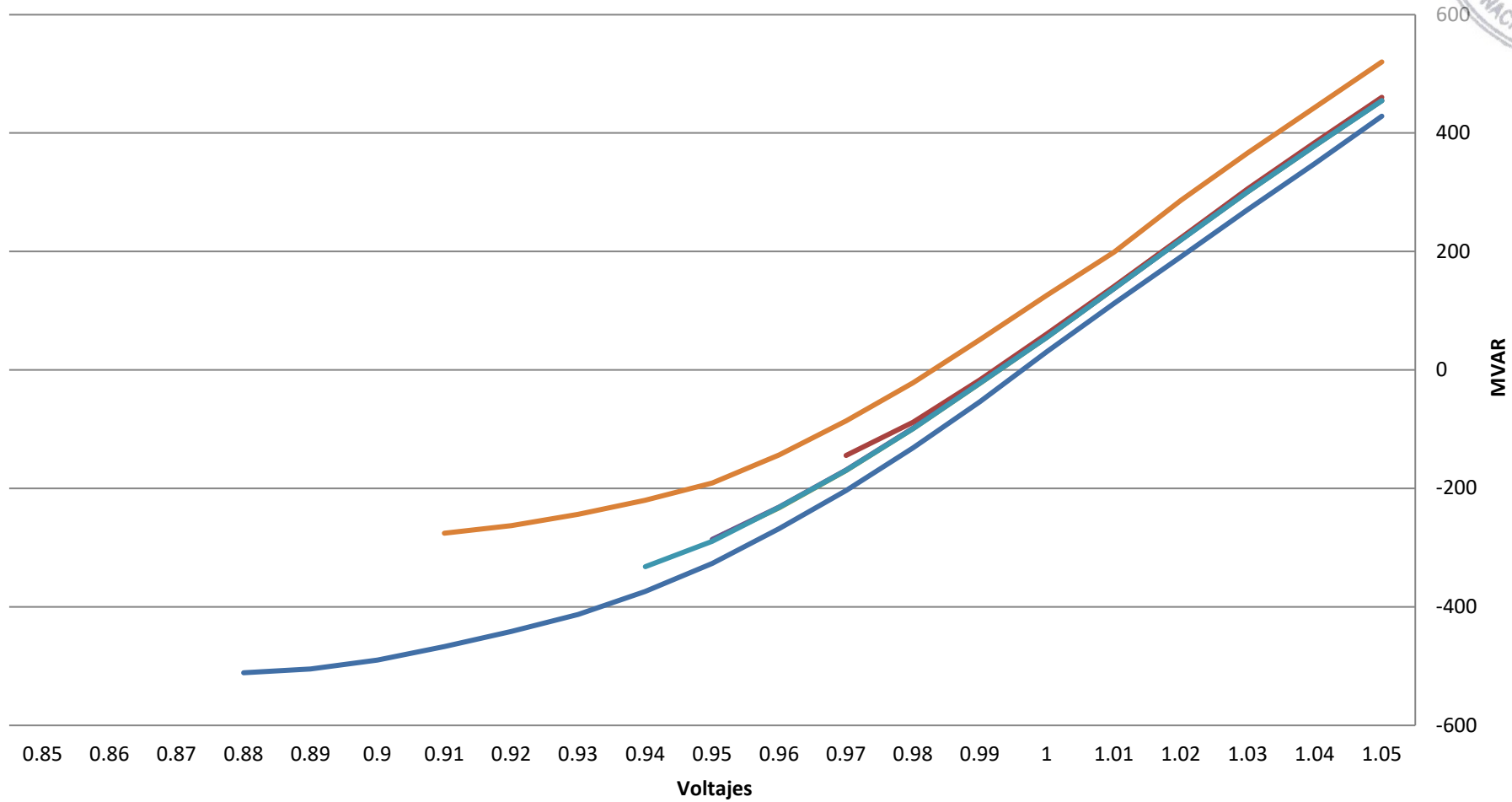
AB

2029CA_ModMax_Lluv- 6009



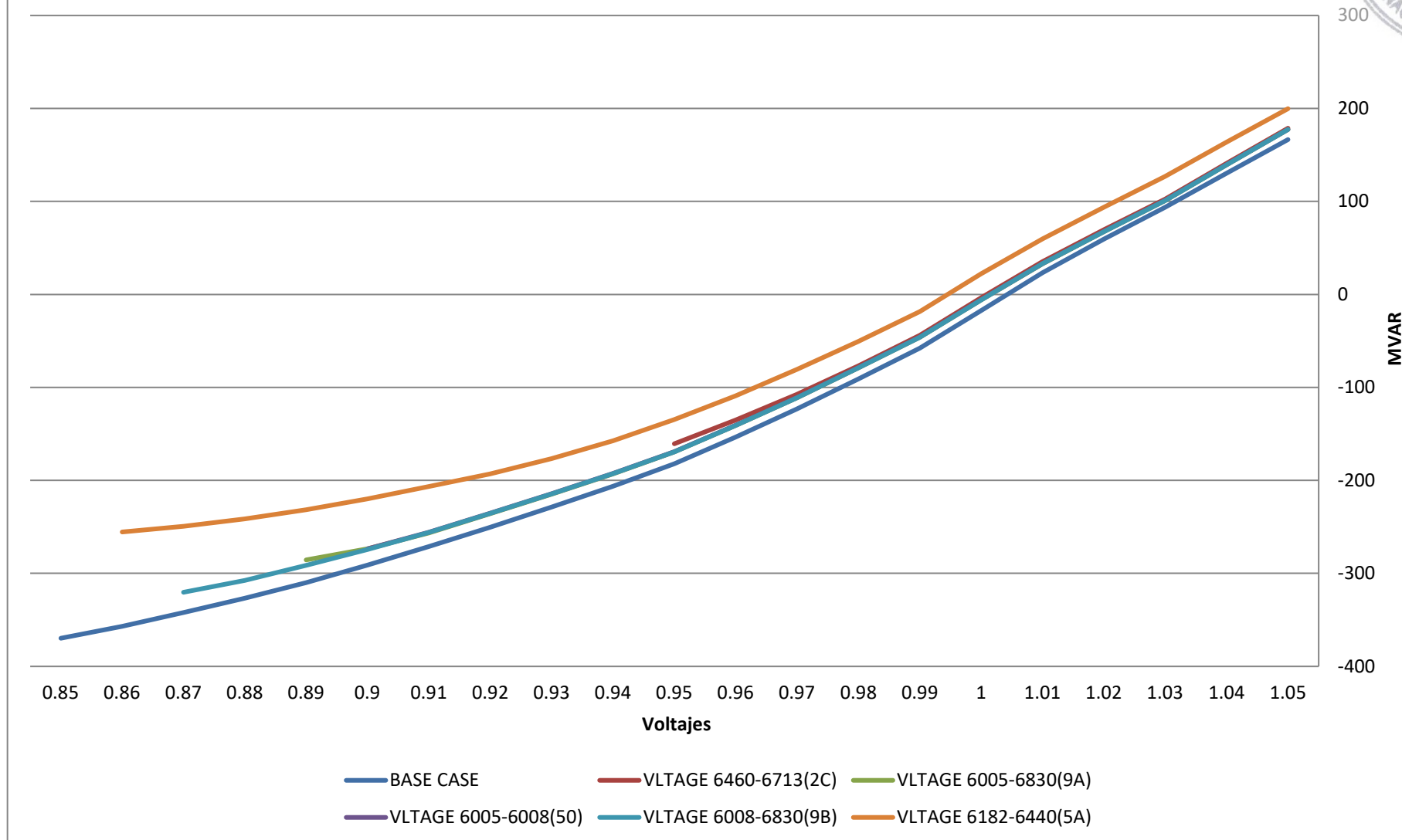
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6005-6008(50)
VLTAGE 6008-6830(9B)
VLTAGE 6182-6440(5A)

2029CA_ModMax_Lluv- 6011



— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6005-6830(9A)
— VLTAGE 6005-6008(50) — VLTAGE 6008-6830(9B) — VLTAGE 6182-6440(5A)

2029CA_ModMax_Lluv- 6012

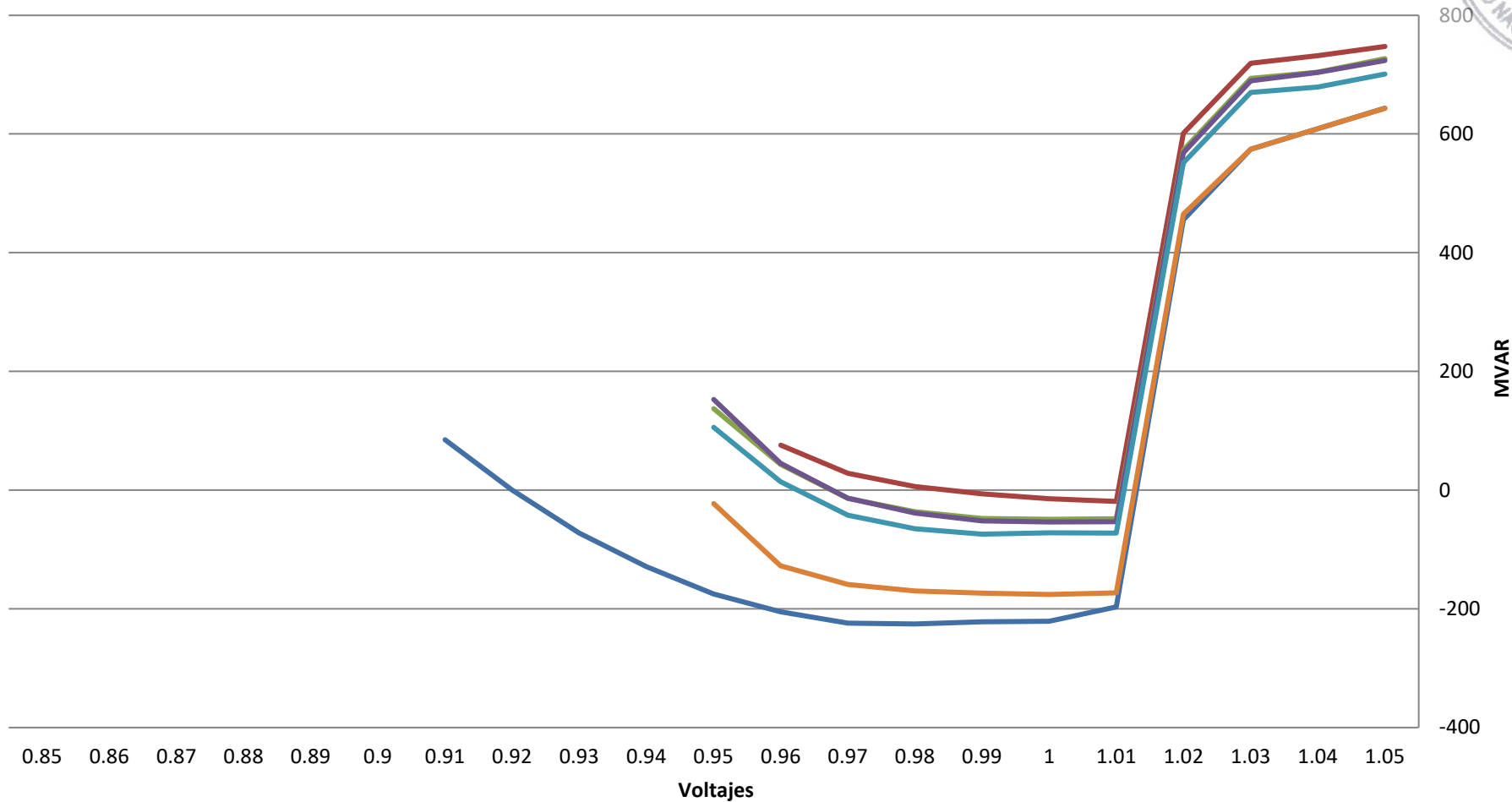




2030 LLUVIOSA

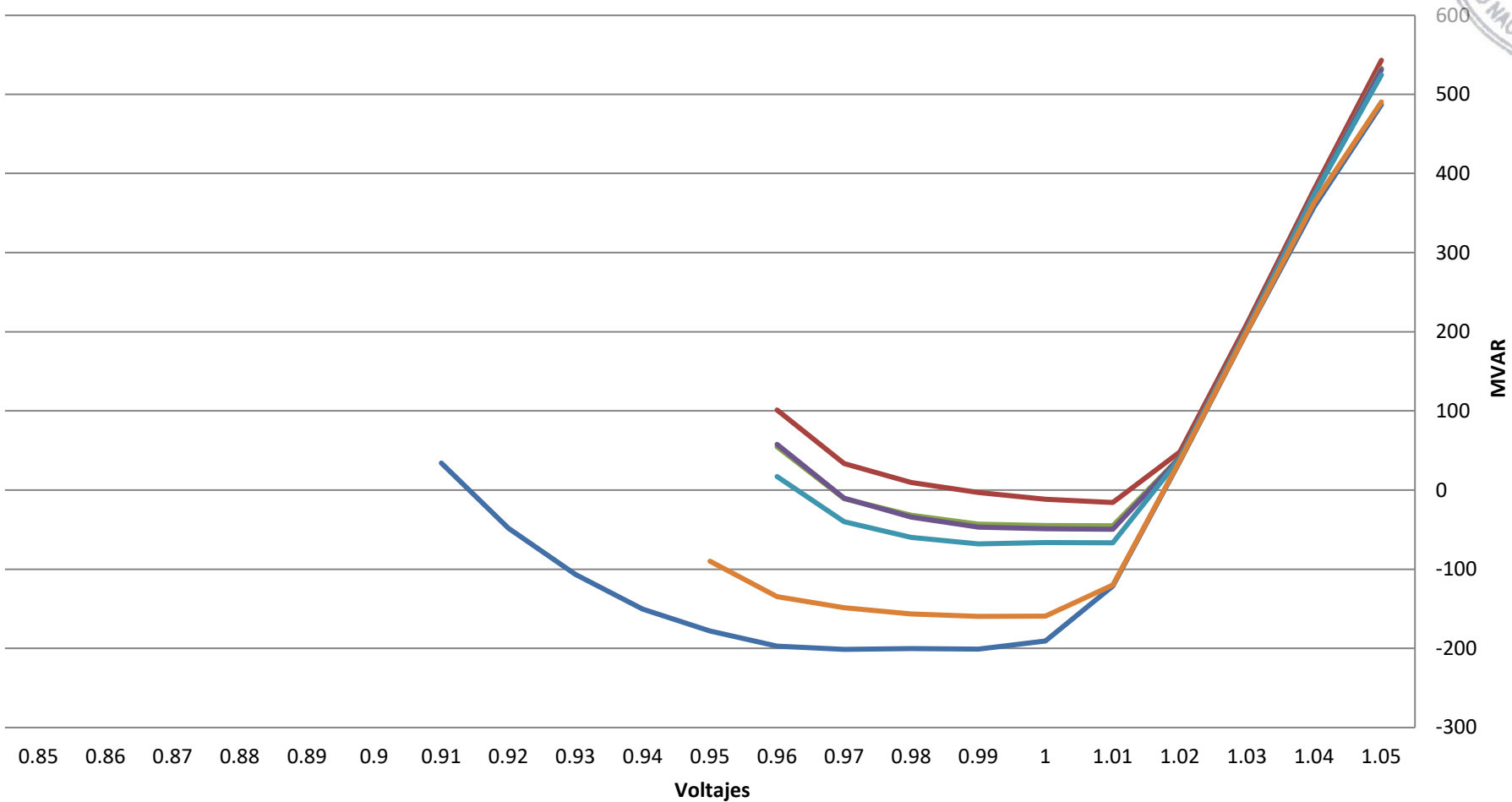
AB

2030CA_ModMax_Lluv- 6001



BASE CASE VLTAGE 6460-6713(2C) VLTAGE 6005-6830(9A)
VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B) VLTAGE 6182-6440(5A)

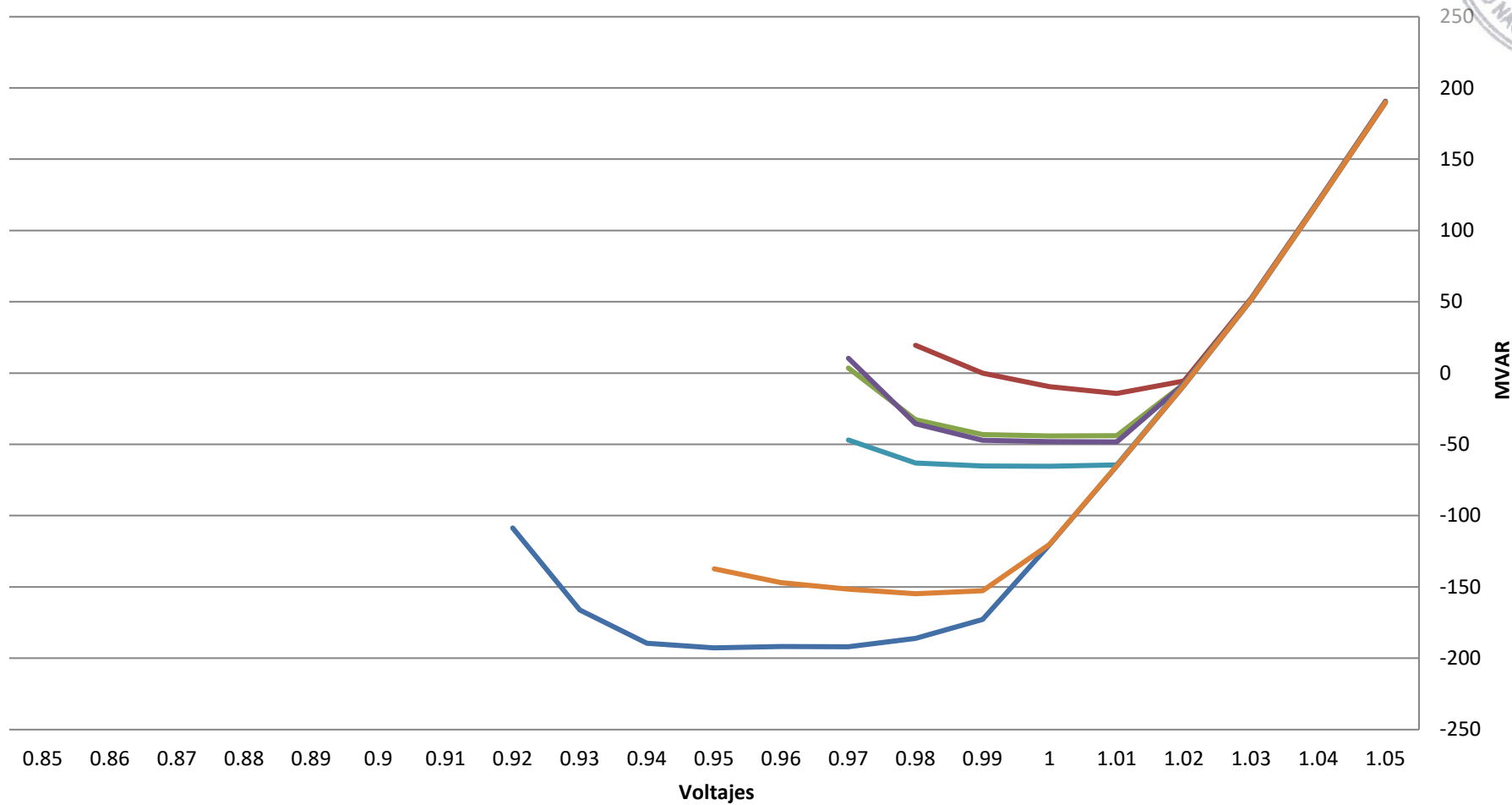
2030CA_ModMax_Lluv- 6002



BASE CASE VLTAGE 6460-6713(2C) VLTAGE 6005-6830(9A)
VLTAGE 6005-6008(50) VLTAGE 6008-6830(9B) VLTAGE 6182-6440(5A)



2030CA_ModMax_Lluv- 6004



— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6005-6830(9A)
— VLTAGE 6005-6008(50) — VLTAGE 6008-6830(9B) — VLTAGE 6182-6440(5A)

AP

2030CA_ModMax_Lluv- 6005

MVAR

700
600
500
400
300
200
100
0
-100
-200
-300

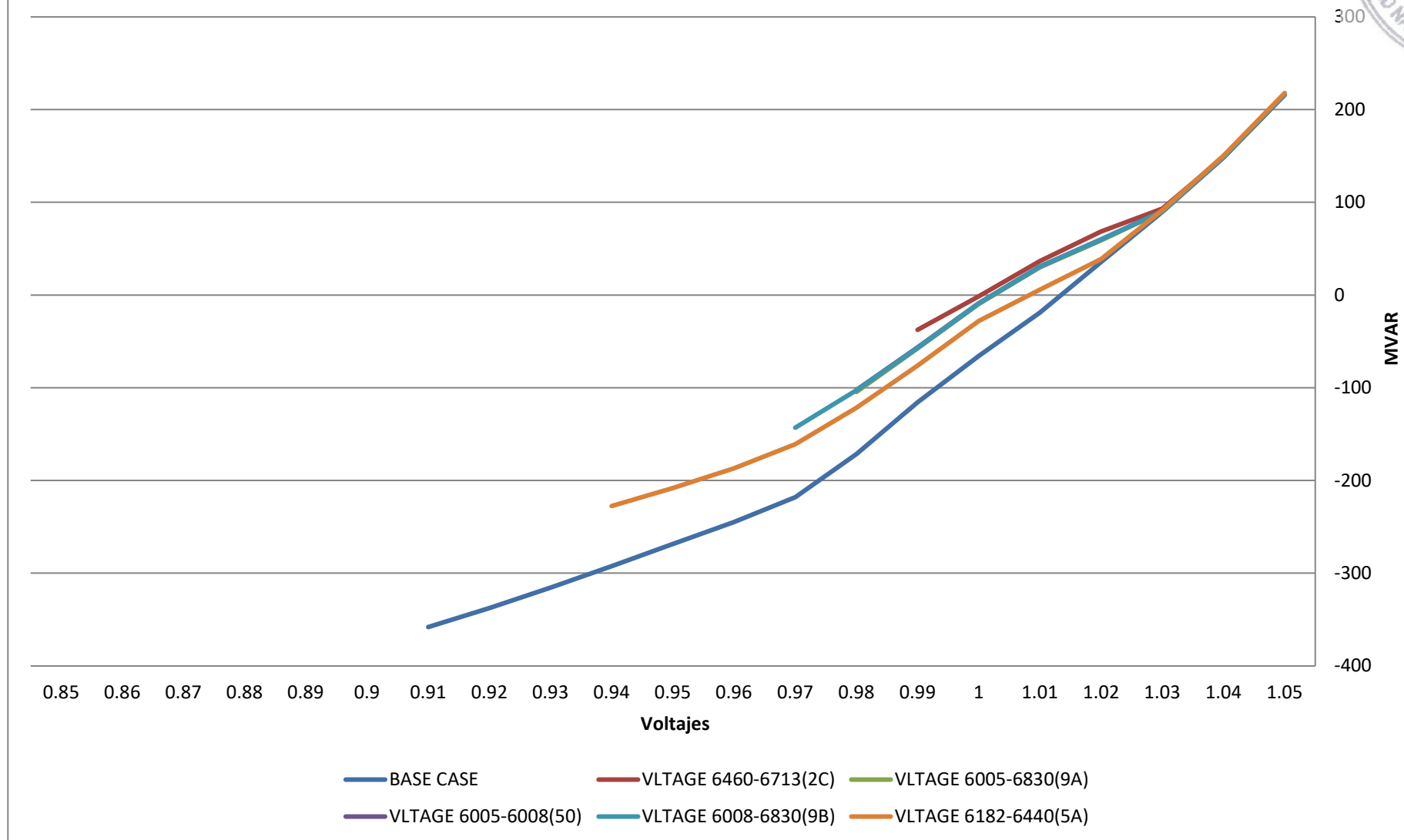
0.85 0.86 0.87 0.88 0.89 0.9 0.91 0.92 0.93 0.94 0.95 0.96 0.97 0.98 0.99 1 1.01 1.02 1.03 1.04 1.05

Voltajes

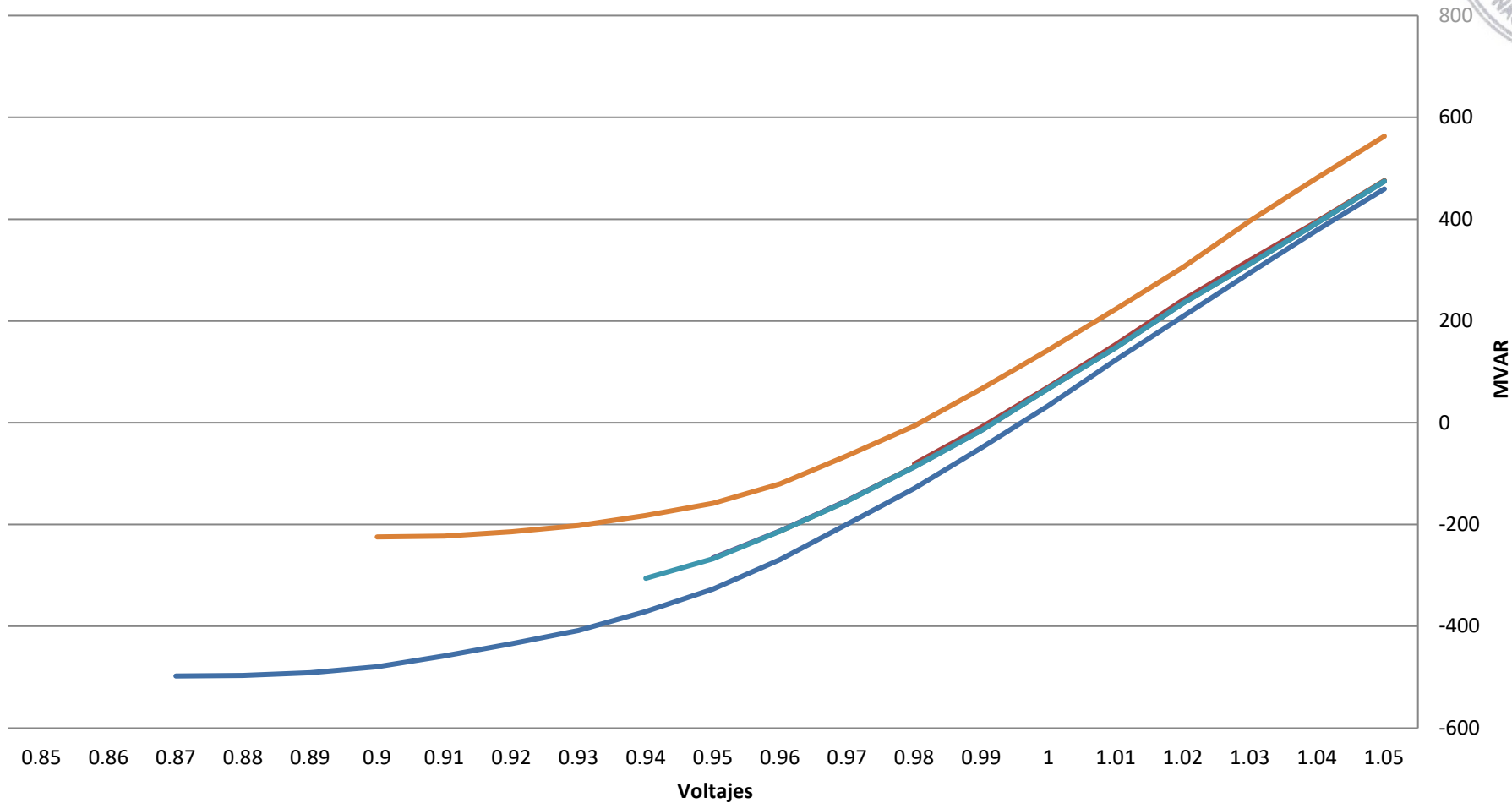
— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6005-6830(9A)
— VLTAGE 6005-6008(50) — VLTAGE 6008-6830(9B) — VLTAGE 6182-6440(5A)

AP

2030CA_ModMax_Lluv- 6009



2030CA_ModMax_Lluv- 6011



— BASE CASE — VLTAGE 6460-6713(2C) — VLTAGE 6005-6830(9A)
— VLTAGE 6005-6008(50) — VLTAGE 6008-6830(9B) — VLTAGE 6182-6440(5A)

2030CA_ModMax_Lluv- 6012

