True Golden Harmonic Channel (TGHC) – Calculation Summary

Timeframe: 4H

Total Duration: 4 days = 96 hours = 24 bars ($\Delta t = 24$ bars)

Line 1 (Shallower Slope)

P1 = 2.2560

P2 = 2.3103

Ratio = 2.3103 / 2.2560 ≈ 1.02407

$\Delta \ln P1 = \ln(1.02407) \approx 0.02378$

Slope m1 = 0.02378 / 24 ≈ 0.000991

Line 2 (Steeper Slope)

P1 = 2.1150

P2 = 2.1973

Ratio = 2.1973 / 2.1150 ≈ 1.03891

$\Delta \ln P2 = \ln(1.03891) \approx 0.03817$

Slope m2 = 0.03817 / 24 ≈ 0.001591

Harmonic Ratio

m2 / m1 ≈ 0.001591 / 0.000991 ≈ 1.61

Interpretation

• Line 1 and Line 2 are measured over the same 4-day / 24-bar window.

• The steeper slope (Line 2) is approximately 1.61× the shallower slope (Line 1).

• 1.61 is very close to the Golden Ratio $\phi \approx 1.618$.

• This pair forms a True Golden Harmonic Channel (TGHC), where the slope relationship closely matches the Golden Ratio.