

The 2022 Kuanshan-Chihshang earthquakes were a series of two earthquakes affecting Taitung and Hualien Counties, Taiwan. The first earthquake occurred At 21:41 (UTC+8) on September 17, 2022 at 121.16°E 23.08°N with a depth of 8.6 km with a magnitude of 6.5 Mw, which is located at Kuanshan about 36.4 kilometers north of Taidung City. About 17 hours later, the second earthquake occurred At 14:44 (UTC+8) on September 18, 2022 at 121.20°E 23.14°N with a depth of 7.8 km with a stronger magnitude of 6.9 Mw, which is located at Chihshang about 42.6 kilometers north of Taidung City. The Chihshang earthquakes reached a maximum intensity of IX (Violent) on the Modified Mercalli Intensity Scale. The maximum horizontal displacement is measured in the GPS station ZCRS south of Yuli town, with displacement of 1000 mm, and the DYES north of Yuli records the largest uplift, reaching 1100 mm.

