

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 Kuanshan earthquakes reached a maximum intensity of VII (Very strong) on the Modified Mercalli Intensity Scale. The maximum horizontal displacement is measured in the GPS station ERPN with a horizontal displacement of about 150 mm trending to northwest for the first earthquake and the maximum vertical displacement is about 100 mm in the GPS station S105.

