

At 18:00 on May 5, 2020, the long march 5B carrier rocket, developed for China's manned space station project, carries a new generation of manned spacecraft test ship and a flexible inflatable cargo return capsule test cabin, ignites and lifts off at Wenchang space launch site, about 489 seconds later, the load combination body and the rocket are successfully separated and enter the predetermined orbit, the first flight mission is a complete success, and the space station is realized The first battle of the phase flight mission was won, which opened the "third step" mission of China's manned space engineering.

The long march 5B carrier rocket is developed on the basis of the long march 5B carrier rocket. It is mainly responsible for the major space launch missions such as the cabin section of China's space station. The long march 5B carrier rocket has a total length of about 53.7 meters, a primary core diameter of 5 meters, four booster with a diameter of 3.35 meters, a fairing with a length of 20.5 meters and a diameter of 5.2 meters. It uses non-toxic and pollution-free liquid oxygen, liquid hydrogen and kerosene as propellants, with a takeoff mass of about 849 tons and a low earth orbit carrying capacity of more than 22 tons. At present, it is the largest one in China.