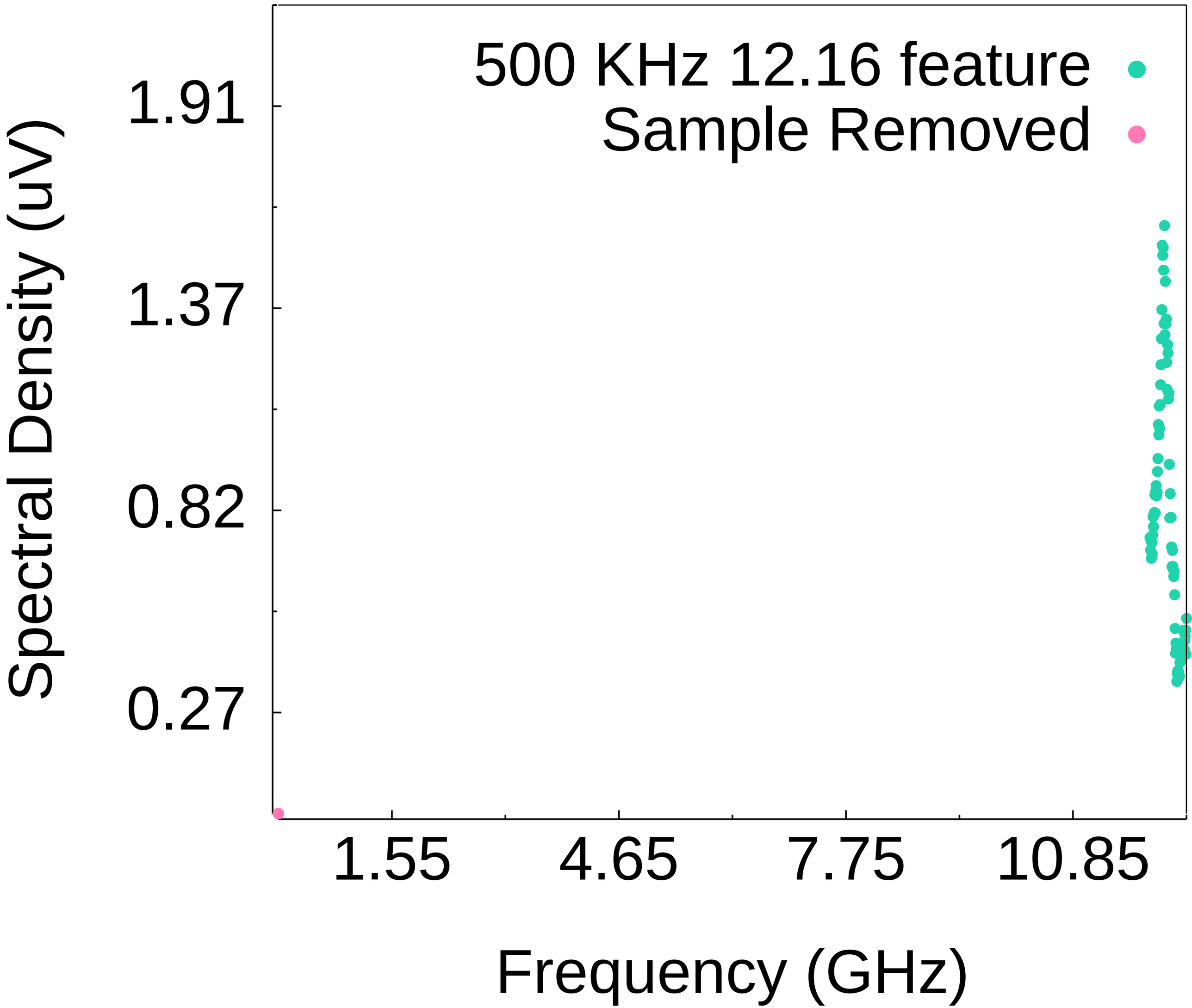500 nm TeO2 CABS