

## **Geolocation General Description**

**Q: A general overview of the method used by the 6SD(standard power AP) and 6FX(fixed client) for the geolocation capability to automatically determine the device's geographic coordinates.**

A: Omada Standard Power Access Points(6SD) automatically determine their geolocation based on measurements obtained by an internal Global Navigation Satellite Services(GNSS) receiver system (Brand name: Quectel / Model name: LC76G) embedded within each 6SD. Each 6SD performs these measurements periodically to allow its geolocation to be confirmed automatically at least daily and after any power cycle operation. The GNSS uses GPS and Galileo constellations for acquiring GNSS fix. The 6SD can be installed either indoors or outdoors.

**Q: Attestation confirming the location uncertainty with a 95% confidence level**

A: Omada Access Points will self-locate using this GNSS receiver and report the geolocation with 95% confidence level at a regular interval to a wireless controller. This statistical test data to prove accuracy with 95% confidence level is provided in the Geolocation Justification Report.

Note that as time passes and the GNSS receiver collects more and more location data, the known geolocation coordinates become more accurate.

**Q: State that daily and after a power cycle operation, AFC confirmation will be performed**

A: The geographic location of each Omada Access Point is updated and communicate securely to the AFC System in the Location field of each Available Spectrum Inquiry Request. This request occurs at a specific time every day and after any power cycle operation. If GPS geolocation cannot be obtained, the device will turn off the 6GHz radio.

Therefore, we attest, that Omada Access Points generate location uncertainty with 95% confidence, and that AFC confirmations are performed daily and after a power cycle.