



Geolocation General Description

In previous PIA submission, Extreme Networks enabled indoor geolocation with GPS receiver and 802.11mc. In this permissive change, Extreme Networks adds Android Location Services (ALS) with mobile app together with 802.11mc FTM for indoor geolocation.

- 1.) For anchor indoor APs, it can get its geolocation data from mobile app. Extreme develops an Android mobile app to provide geolocation.
- 2.) Anchor APs and non-anchors will report distance with their neighbours using 802.11mc (in 5G or 6G LPI) Round Trip Time (RTT) to Central Management (CM). Besides, anchor APs will report their latitude and longitude to CM. CM will use 802.11mc data and geolocation information to construct geolocation map with position for all the devices.
- 3.) Once CM determines geolocation map, it will communicate with AFC server for spectrum to transmit in 6G Standard Power. APs will not operate in 6G standard power until CM distributes AFC server response to the APs. CM will poll AFC server every 24 hours for 6G spectrum to operate.
- 4.) End User has no direct control over the 6GHz operation when Standard Power (SP) is configured. The system on its own determines and only when assured location determined, gets this AFC spectrum and enables the 6GHz band.