

Interference of 5G base stations to hybrid energy earth stations

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The results confirm that 5G systems can coexist with the FSS and provide quantitative insights into the selection of the system parameters, including ...

In this study, we investigated the coexistence of the 5G communication network with a fixed-satellite service (FSS) in the 3.5 GHz and 26 GHz frequency bands. We analyzed an angular ...

We analyzed an angular protection scheme for the FSS Earth station (ES) and 5G base stations (BSs). In addition, we defined the fixed BS-ES relative location, relative distance, and...

This paper presents an analysis for 5G base station downlinks in 3.5 GHz band when receiving adjacent FSS earth stations, derived from ITU-R recommendations for IMT and FSS.

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