

#65 Received 01/20/2015

Haralambous, Haris; Md Golam, Mostafa
Frederick University

HF Spectral Occupancy over the Eastern Mediterranean

Abstract:

A dedicated measurement system has been operating in Cyprus for more than two years facilitating the effective measurement and analysis of HF spectral occupancy over the eastern Mediterranean. The ultimate aim of these systematic measurements is to compile an adequate dataset that will enable an investigation into the parameters that define the variability of HF spectral occupancy. In this paper aspects of the diurnal, seasonal and annual variability of HF spectral occupancy within the individual frequency bands allocated by the ITU to separate radio services during the maximum phase of the current solar cycle will be presented.