

INTRODUCTION

'IMT-2020', better known as 5G, is implemented in SEAMCAT according to the specifications outlined in Recommendation ITU-R M.2101 – 'Modelling and simulation of IMT networks and systems for use in sharing and compatibility studies' \[ref\].

The SEAMCAT implementation and user interface for IMT-2020 systems is similar to the OFDMA module. The main differences are the inclusion of different system types (as outlined in 10.2 below) and the use of beamforming array antennas, also known as active antenna systems (as outlined in 10.6 below). Unless specified otherwise in the following sections, the features are implemented in the same manner as for OFDMA systems according to section [9](#).

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