

Date : 16.06.2022

Hour: 21.30

Student Name & ID: Rümeyza KIVRAK -215105114

Supervisor: Prof. Dr. Alaa EL-ROUBY

Topic: Technologies for mmW Filters

Link: https://us04web.zoom.us/j/77583932542?pwd=UV2TncP5ju_3rRlzLfm5ZjA90_Tiqw.1

Abstract: Electromagnetic waves with frequencies ranging between 30-300GHz are called millimeter waves, and wavelengths vary between 1-10 mm accordingly. There are some technologies developed for mmW frequencies. High-performance filters are very important components in millimeter-wave applications. These filter technologies exhibit many attractive properties upon operation at different frequency ranges. The purpose of this study is to present a separate definition of each technology for mmW filters, operated frequencies, advantages, disadvantages, and application examples.