

# Online Talk

## Coexistence of 5G and Satellite Services in the C-Band

### Synopsis

For decades, the 3.4–4.2 GHz band, commonly known as the C-Band, has been allocated to satellite services in many countries. With the rising demand for public mobile communication, the 5G network will now utilize part of the C-Band in the 3.5 GHz range. National authorities plan to restructure the band to accommodate both services. However, deploying 5G networks adjacent to satellite services may introduce significant interference to satellite receivers. To ensure coexistence, several mitigation techniques must be applied.

In this webinar, you will learn about:

- The most effective and widely adopted mitigation techniques to minimize interference.
- Live demonstrations on measuring the optimum guard band required between services.

How band-pass filters are measured and configured for each guard band to enable effective coexistence

### About the Speaker

Anwar Faizd Osman



ANWAR FAIZD OSMAN was born in Georgetown, Penang. He has a Master of Science degree in Electrical and Electronic engineering from Universiti Sains Malaysia (USM). His master's thesis is on wideband low noise amplifier design. He is currently the Vice Chair of IMT and Future Network, Malaysian Technical Standards Forum Bhd (MTSFB) and AGM 5G SME Solutions for Telekom Malaysia. In Telekom Malaysia, he the development of 5G Product and Solutions for the Mobile service team. Prior to Telekom Malaysia, he has worked in Rohde & Schwarz, Agilent Technologies, Motorola Solutions and Intel Malaysia, either in manufacturing or field application positions.

He has published multiple technical papers on LNA, RF switches, and RF filter designs. His research interests include wireless testing for mobile operators and interference hunting. Mr. Osman has been a Committee Member of IEEE ED/MTT/SSC Penang Chapter, since 2015, currently serves as the Chapter Auditor. He is the Former Deputy Chair of IEEE Microwave, Electron Devices, and Solid-State Symposium IMESS 2018. He was part of the National 5G Taskforce Member and the Chairperson of the 5G Ecosystem and Timeline Sub-Working Group, under the Spectrum Working Group of the Task Force.

This event is organized by:



**7 Nov 2025 (Fri)**



**10.00am – 12.00pm**

**BEM CPD Hours: 2**

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