Wireless Innovation Forum Publishes Recommendations for Environmental Sensing Capability Operators Facilitating Co-Existence Between Bands


"ESC is the primary method used in the CBRS band to protect federal government incumbent radars, and the ESC receive-only sensors operate in a band directly adjacent to the 3.45 GHz service without guard bands," said John Glossner of Optimum Semiconductor Technology and Chair of the WInnForum. "We are very excited to produce a document that contains recommendations for ESC Operators and 3.45 GHz Service licensees to help facilitate coexistence across these adjacent bands."
ESC sensor networks, located in coastal areas, detect incumbent shipborne radar activity, and alert a Spectrum Access System (SAS) so that the SAS can reconfigure devices in the band to avoid causing harmful interference to the federal radars. This band segment is directly adjacent to the 3450-3550 MHz band that has been designated for use by the 3.45 GHz Service. Because there is no guard band between the two, the ability of ESC sensors to adequately perform their sensing functions could be impacted by strong signals from systems operating in the 3.45 GHz Service. The dominant predicted impact is from blocking interference from 3.45 GHz Service fundamental emissions in the 3450-3550 MHz band, and not out-of-band emissions from 3.45 GHz Service signals present in the ESC sensor band.


**About the Wireless Innovation Forum**

Established in 1996, the Wireless Innovation Forum™ comprises an international group of equipment vendors, subsystem vendors, software developers, technology developers, communication service providers, research and engineering organizations, academic institutions, government users, regulators and others who share the common business interests of advancing technologies supporting the innovative utilization of spectrum and the development of wireless communications systems, including essential or critical communications systems. [www.WirelessInnovation.org](http://www.WirelessInnovation.org). Forum projects are supported by platinum sponsor Thales.

SOURCE Wireless Innovation Forum

Related Links

[https://www.wirelessinnovation.org](https://www.wirelessinnovation.org)

Sign up for Top Stories & curated News
delivered to your inbox

Enter Your Email

Select Country

SUBMIT

By signing up you agree to receive content from us. Our newsletters contain tracking pixels to help us deliver unique content based on each subscriber's engagement and interests. For more information on how we will use your data to ensure we send you relevant content please visit our PRN Consumer Newsletter Privacy Notice. You can withdraw your consent at any time in the footer of every email you'll receive.