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<p>(51) International classification :H04L 430817, H04L 492000, H04L 692200, H04N 214340, H05B 471850</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)Bluest Mettle Solutions Private Limited Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)MISHRA, Saket Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>2)PANDEY, Sakshi Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>3)KUMAR, Naveen Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

The present invention discloses a system (100) and method (200) for examining wireless protocols in communication systems. The system (100) includes a processor (102) configured to generate and simulate real-world scenarios, the system enables a thorough evaluation of protocol performance, and test signals are captured, processed, and analyzed to determine metrics like throughput, latency, packet loss, and signal quality. The system consolidates all functionalities into a single dockable framework, enhancing usability and customization options. The system (100) reduces reliance on manual monitoring, offering an efficient examination process. Additionally, the system contributes to security enhancement and compliance assessment. Further, the system (100) provides a robust and adaptable solution for optimizing wireless protocols in communication systems, enabling reliable and efficient wireless communication.

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