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| Paper Title: | Satellite Communications Network Technologies and Best Practices for Minimizing EMI/RFI |
| Abstract: | <p>The satellite industry recognizes the need to continue to reduce satellite interference and the impact it has on operations. Interference can be caused by many sources many of which are unintentional.</p> <p>This paper will analyze network technologies and metrics that can assist in minimizing interference and optimizing network economics.</p> <p>Emphasis will be placed on core underlying Network Infrastructure, NMS, and Modem Technologies that can provide a holistic approach to end-to-end service and the tools that can provide greater insight into interference and corrective actions.</p> <p>This paper will explore network system, tools, and training technologies to reduce EMI/RFI interference. Network system technologies including common core architecture reporting and troubleshooting, establishment of “expected performance” metrics, and feedback loops between remotes and network. Tool technologies include intelligent tools to see how system is performing on the network, and methods for identifying poor performing terminals and active resolution. Training technologies methods to minimize training time while ensuring consistency and web based applications.</p> |
