



WHITE PAPER

CHALLENGE

As technology continues to evolve, new CPE devices are being deployed for greater WiFi services. One MSO identified issues with these new WiFi devices creating interference on their RFoG micro nodes. The nodes were affected by signal degradation and timing issues, creating major problems for the MSO and their subscribers.

SOLUTION

Maxcom provided their MX700-3AC micro node to the MSO for evaluation in the environment. With side by side testing, Maxcom had perfect performance, while the existing node continued to have the loss of signal strength. Maxcom had identified the potential shielding issue several years prior, which lead to the superior performance.



RESULTS

As testing progressed using Maxcom micro nodes, not only was it determined the shielding was far superior when tested side by side with other brands, but Maxcom also standardized on input wavelengths from 1525nm to 1565nm to support compatibility with a wide range of headend transmitters. As a result, the MSO standardized on Maxcom nodes which have now been deployed for many years, and none of the nodes installed needed replacement.

ABOUT MAXCOM

Maxcom has been providing quality fiber transport and receive products for 25 years. With a focus on customer service, quality, and performance, Maxcom has generated a stellar reputation in the industry. Maxcom continues to look for quality solutions to bring to cable operators, allowing for reduction in installation and operational costs.

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