

TestSetup: XR5/XR2 links using Mikrotik RB532 and RB112 host boards conductively connected through a RF cable and attenuator was established. One side of the link (DUT) was placed in a temperature chamber while the other end was placed outside. A TCP/IP throughput script using NetIQ chariot was run in the background to exercise the radios. Temperature was varied from -50 to +95C slowly over time.





RB532 Board Reset at -33C; XR independent RB112 OK over complete range

Conclusion: Both XR2 and XR5 did not show any performance drawbacks to extreme temperature operation. From this testing, the XR / RB112 combination ran without performance drops across complete temperature range. In the case of the RB112/ XR card pairing, temperature performance was limited by the RB532 board which reset at -33C.