



QRF

CASE STUDY

THE MOBILE CHALLENGE

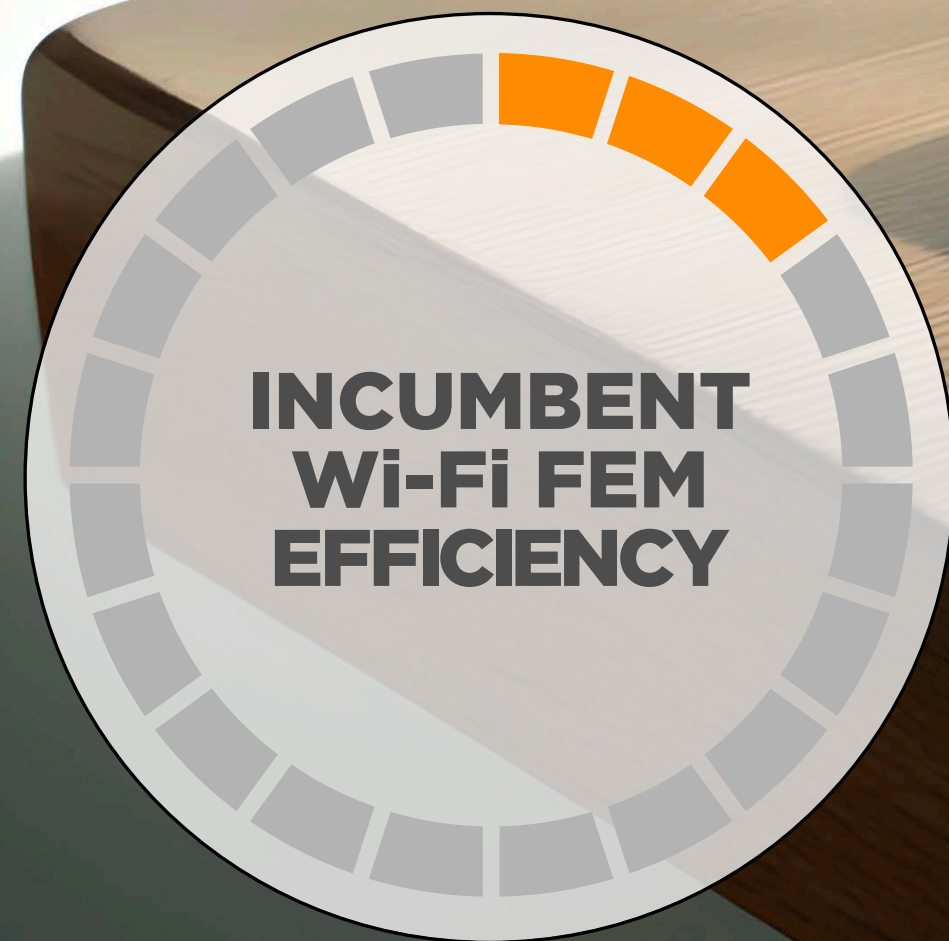
Current solutions only capture efficiency in static snapshots, leaving them unable to adjust to these real-world changes. In contrast, QuantalRF's analog technology adapts continuously in real time, sustaining speed and extending battery life even under the toughest conditions.



STAND ALONE OPERATION: 1:1 VSWR CONDITION



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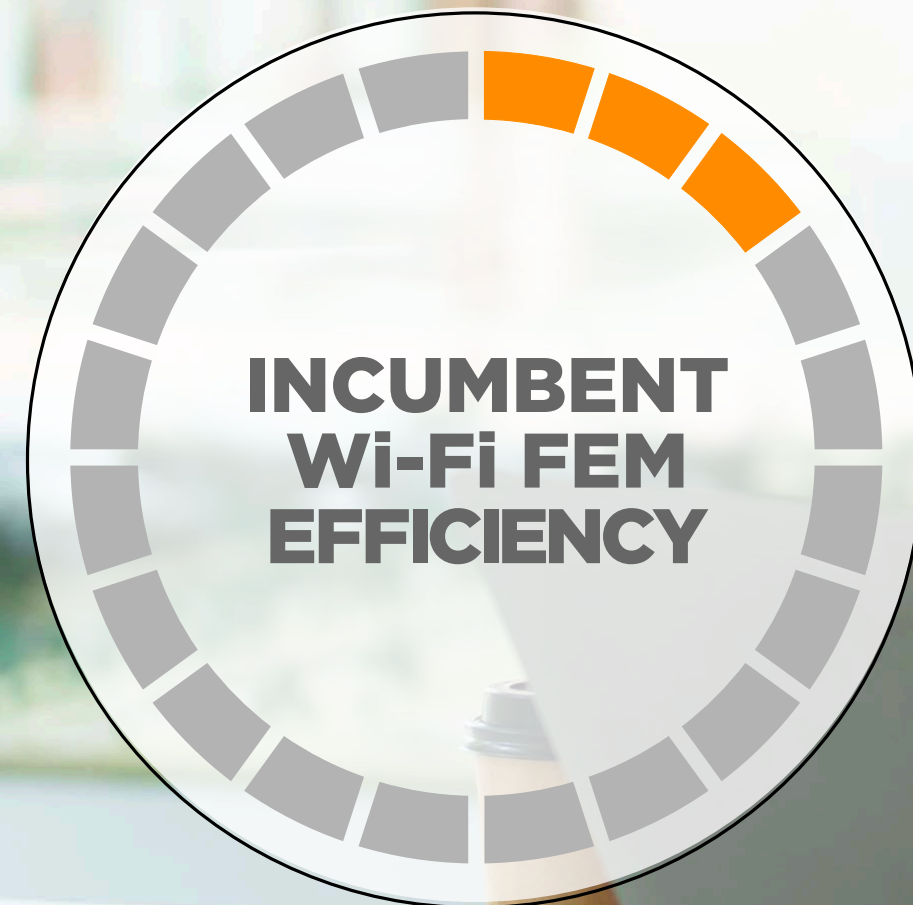


Current industry solutions cannot adapt to dynamic usage—our approach maintains performance and extends battery life across all usage patterns and environmental conditions.

ONE HAND OPERATION: 2:1 VSWR CONDITION



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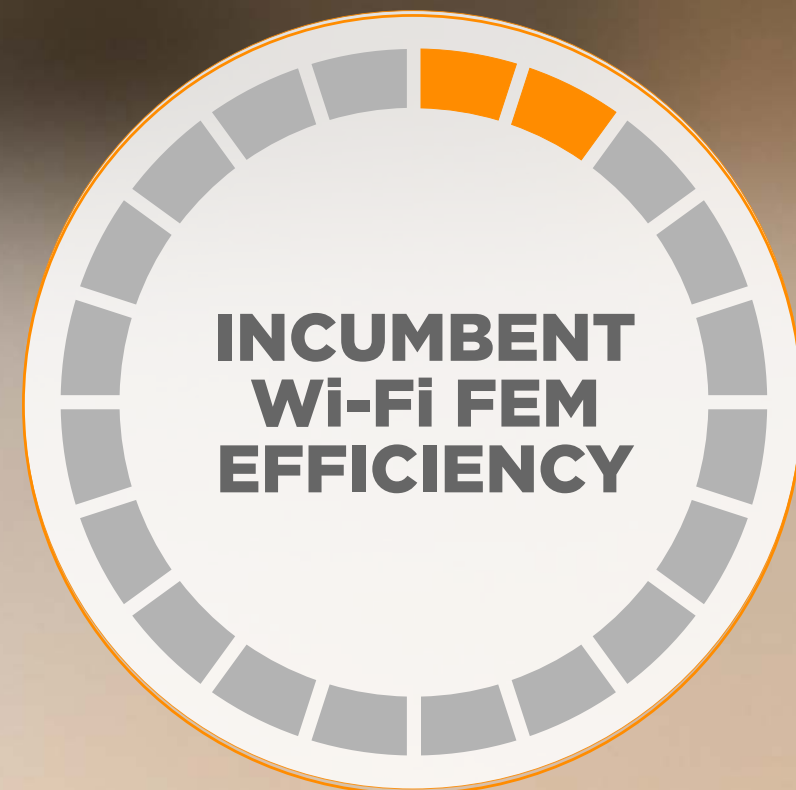


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TWO HAND OPERATION: 3:1 VSWR CONDITION

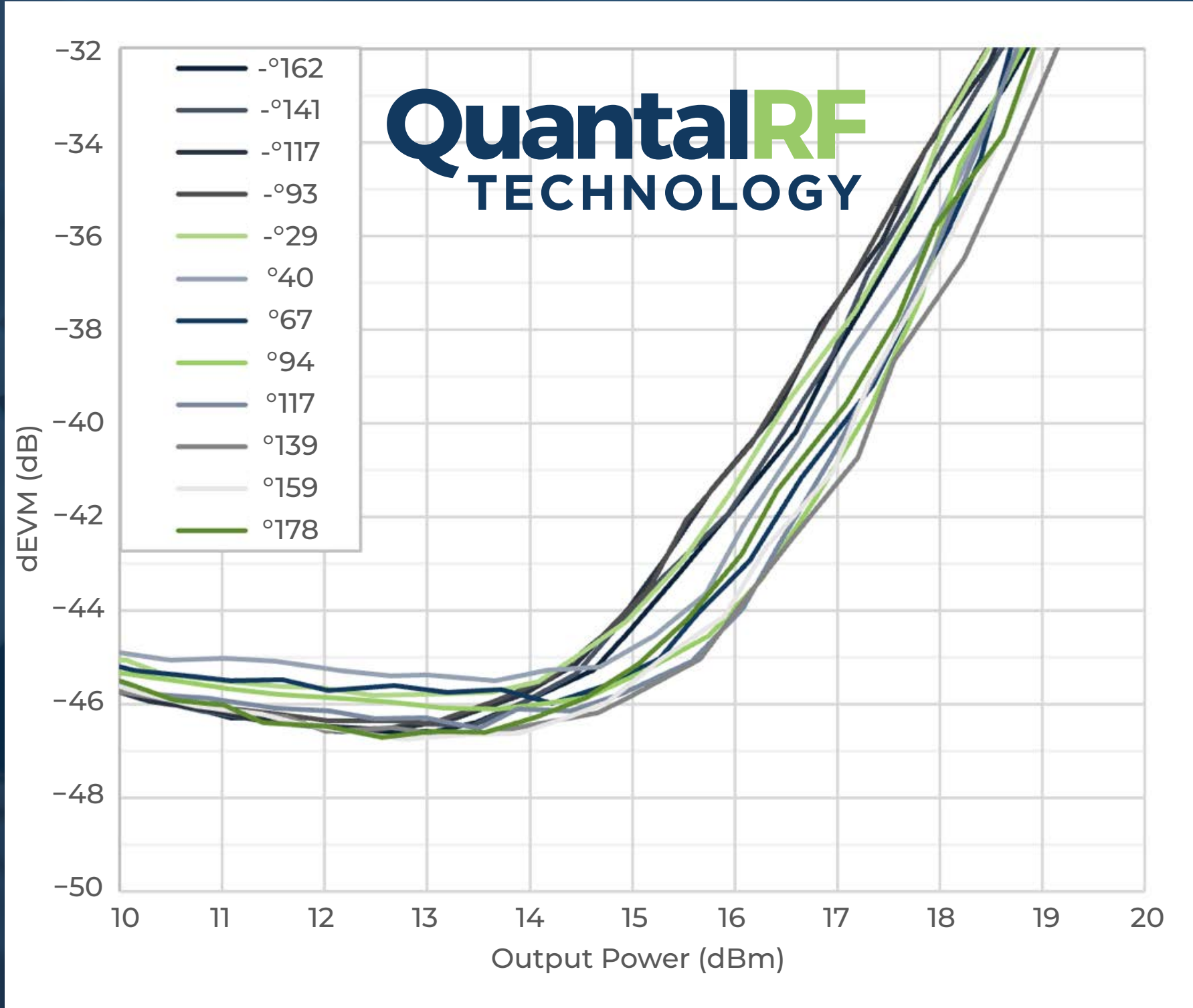
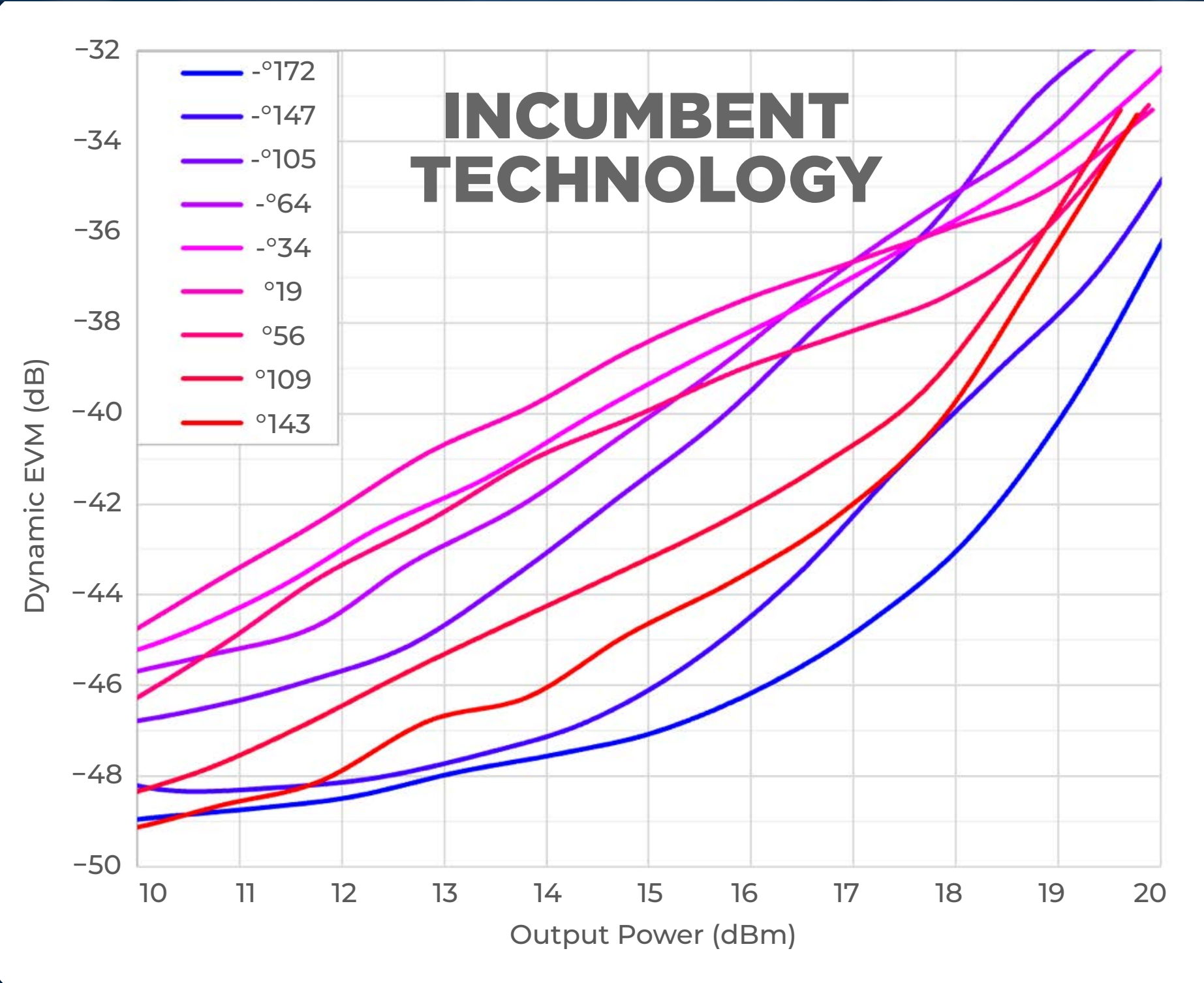


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DYNAMIC EVM COMPARISON: 3:1 VSWR



QuantalRF technology adapts and maintains EVM as the device changes from 1:1 to 3:1 VSWR, while incumbent technology EVM degrades by up to 7 dB.