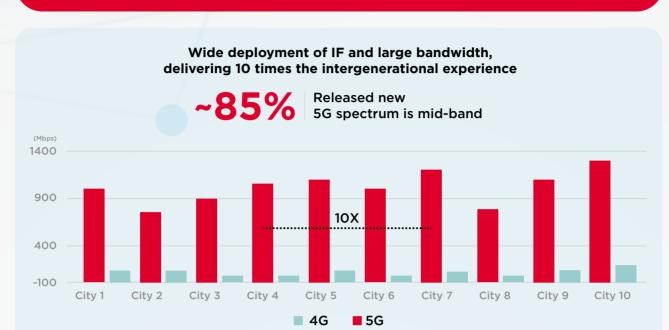
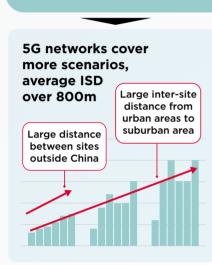


5G development is accelerating and operators are realising the cross-generation experience of large bandwidth and M-MIMO





New services require high-quality UL and DL experience especially in cell edge and indoor



Green network is industry trend

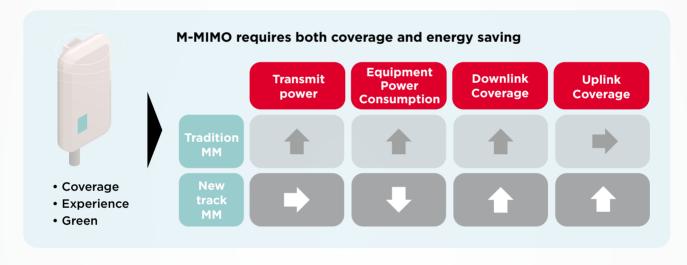




carriers

Better performance and lower energy consumption drives continuous innovation of M-MIMO

Uplink Rate Requirement



MetaAAU: Breakthrough in coverage & energy efficiency





MetaAAU:







30% **Energy** consumption

ELAA + AHR Turbo: Boosting Coverage & Energy Efficiency

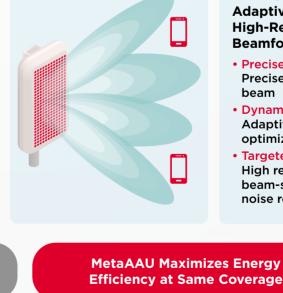


ELAA Extreme-Large Antenna Array

Compact wave filter

Transmission loss reduced by 60% • Ultra-light integrated array 10 to 20% weight loss

- SDIF



High-Resolution Beamforming Precise **Precise narrow** beam

AHR Turbo

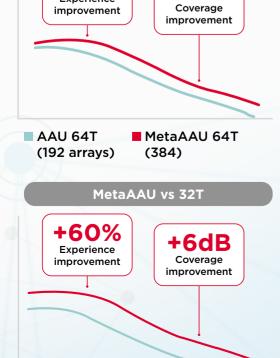
Adaptive

- Dynamic Adaptive beam optimization Targeted
- **High resolution** beam-specific noise reduction

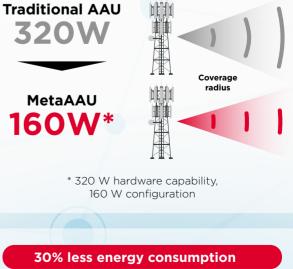
5G commercial site test field

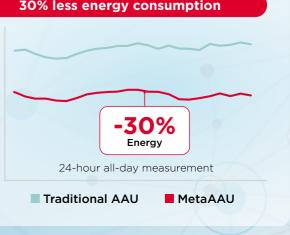
MetaAAU: Improving Coverage & User Experience

MetaAAU vs. 64T +30% +3dB Experience Coverage improvement improvement AAU 64T MetaAAU 64T (192 arrays) (384)MetaAAU vs 32T +60%



AAU 32T (192 arrays) Lower power, same coverage







■ MetaAAU 64T

(384)



Energy Consumption (W)