

Handset Designs for Regional Cellular Markets

Today's device manufacturers have to develop for a broad list of regional markets all with different requirements. Each device must be performance and cost optimized but flexible enough to be deployed in new regions with little redesign.

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2015/8 Bands

2016/12 Bands

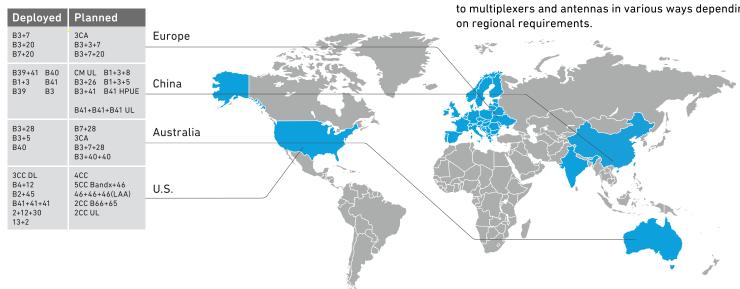
2017/17 Bands

2018/20 Bands

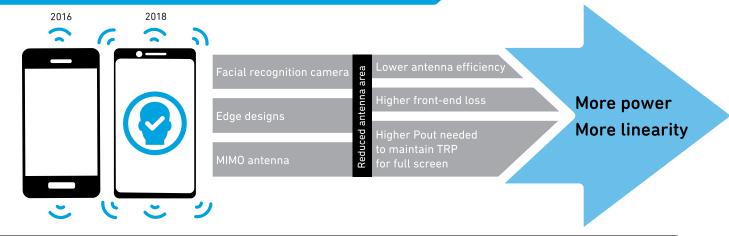
The typical frequency band count for mass market LTE devices is increasing rapidly each year. New bands, up to 20 or more in 2018, require more filters and a more capable front-end solution.

Carrier Aggregation Coverage Requires New, Flexible Front-Ends

Diversity of carrier aggregation band combinations across regions is expanding rapidly. To enable these new combinations, front-end solutions have to connect to multiplexers and antennas in various ways depending on regional requirements.



Reduced Antenna Area Requires Higher Power



RFFLEX

RF Flex[™] enables solutions for regionally focused mid- and entry-tier LTE devices. These solutions provide the performance and size OEMs need while remaining flexible and scalable for the broad world market.



Solving advanced RF complexity



Broad portfolio addressing many sub-markets



Optimized for flexibility & scalability



Addressing power amplifier, switch & filter needs

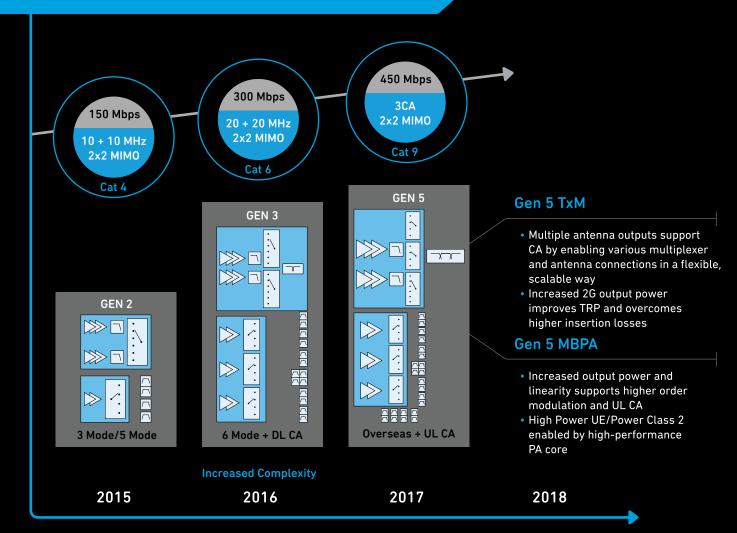


Right-sized integration



Supported by world-class systems & applications team

RF Flex LTE Solutions



Each new generation of RF Flex offers a higher level of performance and capability required by OEMs to meet changing market needs. Gen 5, Qorvo's latest generation of RF Flex, continues this trend through implementation of new technology to support 3+ downlink and select uplink carrier aggregation cases. Gen 5 brings OEMs a solution that is both globally capable and regionally optimized.

