Qualcomm® filter solutions for Small Cells

### Typical Small Cell RF Front End

**Qualcomm® filter solutions are products of Qualcomm Technologies, Inc. and/or its subsidiaries.**

### Standard packages

- **Uniform footprint across all bands**

### Filters

- ✓ 3.0x3.0 mm²
- ✓ 2.0x1.6 mm²
- ✓ 1.8x1.4 mm²
- ✓ 1.4x1.1 mm²

### Duplexers

- ✓ 8.1x8.1 mm²
- ✓ 2.5x2.0 mm²

### Duplexers

- ✓ 8.1x8.1 mm²
- ✓ 2.5x2.0 mm²

### Local Area Base Station - Power Rating ≤ 24dBm / 250mW

- Residential Femtocell
  - ✓ Indoor
- Enterprise Small cell
  - ✓ Indoor
- Carrier Grade
  - ✓ Indoor & outdoor

### Medium Range Base Station - Power Rating ≤ 38dBm / 6.3W

- ✓ Outdoor

### Wide Area Base Station - Power Rating: not limited

- Remote Radio Units, Massive MmIo, Active Antennas Systems/Arrays...
  - ✓ Outdoor

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**DAC**

**RFIC**

**ADC**

**FDD (Frequency Domain Division)**

**TDD (Time Domain Division)**

**HiQ CERAMIC**

**BAW**

**Performance**

- 400MHz to 1GHz
- 1GHz to 2GHz
- 2GHz to 6GHz

**SAW**

**TCSAW**