

CONNECTING  
PEOPLE +  
TECHNOLOGY

# 5G BEAMFORMING MASSIVE MIMO



## Large Scale ACTIVE Antenna

### 2.3 GHz TDD

2.3 GHz TDD in Modular Construction 2300-2400 MHz
64 Transceivers
Large Tilt Range -10° to 10° H / -45° to 45° V
Vertical Beamwidth 7° ±1°
Horizontal Beamwidth 28.5° ±1°
22.3 dBi Antenna Gain
Output Power Up to 80 Watts
Up to 16 Steerable Beams
Non-Contiguous Carrier Aggregation 40 MHz Occupied Bandwidth
Built-In GPS

### 2.6 GHz TDD, FDD

2.6 GHz FDD in Modular Construction 2496-2700 MHz
96 Transceivers
Large Tilt Range -45° to 45° V / 30° to 30° H
> 20 dBi Antenna Gain, >60 dBm EIRP
Up to 16 Steerable Ports
Carrier Aggregation Supported
Built-In Digital Beamforming

### CBRS B48 (3550-3700 MHz) TDD

3.6 GHz TDD in Modular Construction
64 Transceivers
Large Tilt Range -50° to 50° H / 0° to 10° V
Vertical Beamwidth 10° ±1°
Horizontal Beamwidth 15° ±1°
22.5 dBi Antenna Gain
Output Power Up to the FCC Limit
Up to 20 Steerable Beams
Non-Contiguous Carrier Aggregation 80 MHz Occupied Bandwidth
Built-In Digital Beamforming



# 5G

### DIGITAL BEAMFORMING FEATURES

- [•] 3D BEAMFORMING
- [•] FREELY PROGRAMMABLE BEAMS
- [•] DIGITAL SIDE LOBE & UPPER SIDE LOBE SUPPRESSION
- [•] DIGITAL NULL STEERING