

## 5G Sub-6GHz Antennas

The 5G Sub-6GHz antenna portfolio covers the wide range of global cellular technology bands (600 MHz - 6GHz), with both embedded internal and external antennas, as well as combination antennas covering GNSS, WiFi and other protocols. These high-performing chip, flexible printed and external blade and dome antennas can handle the higher data speed, capacity, and bandwidth of a 5G network, covering 5G NR (FR1), CBRS, and Private LTE, for IoT and smart devices.

### FEATURES

- Ultra-wide band 600 MHz - 6 GHz
- Compact low-profile embedded designs
- Surface mount, adhesive mount and screw mount options
- 4 element MIMO for cellular 5G/4G
- 7-in-1 Combo Antenna with cellular 5G, Wi-Fi and active GNSS
- IP rated antennas for outdoor applications
- Customizable cable and connector options



PART NUMBER	ACR4006X	AFC8513U4GS-0100S	AECB1102XS-3000S	AECR1808X4S-3000S	AECR1808A20S-3000S	ACR4006X-EVB
TYPE	Chip	Flexible PCB	Blade	Dome	Dome	EVB
FREQUENCY RANGE	600 ~ 6000MHz	698 ~ 4000MHz	600 ~ 6000MHz	600 ~ 6000MHz	Cellular 5G: 600 - 6000 MHz Dual Band WiFi: 2400-2483.5 MHz 4900-5925 MHz GNSS: 1561-1606 MHz	
PEAK GAIN (dBi)	4.42	5.0	2.0	4.0	Cellular 5G: 4 dBi Dual Band WiFi: 4 dBi GNSS: 3 dBi	
MOUNTING	Surface Mount	Adhesive Mount	Adhesive Mount	Screw Mount	Screw Mount	
PACKAGE SIZE (mm)	40.0 x 6.0 x 5.0	85.0 x 13.8 x 0.2	115.6 x 21.7 x 5.8	189 x 182 x 85	189 x 182 x 85	120 x 45
KEY FEATURES	Wide band, Compact/ Low Profile, High efficiency	Wide band, Compact, High Efficiency, Cable - 100mm, IPEX/UFL(F)	Wide band, Low Profile, LMR100 Cable - 3m, SMA(M)	4xMIMO 5G NR/CBRS/ 4G LTE, IP67 rated, LMR100 Cable - 3m, SMA (M)	7 in 1 Combo Antenna: 4xMIMO 5G NR/ CBRS/ 4G LTE, 2xMIMO Wi-Fi 2.4/5GHz, 1x Active GNSS/GPS/GLONASS/ BeiDou/QZSS	Evaluation board for ACR4006X