



# GPS/GNSS Antennas (GNSS Technology and Applications)

By B. Rama Rao, W. Kunysz, R. Fante, K. McDonald

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Contents: Introduction to GNSS Antenna Performance Parameters. Fixed Reception Pattern Antennas (FRPA) and Directional Antennas. Multiband, Handset and Active Global Navigation Satellite Systems (GNSS) Antennas. Adaptive GPS Antennas. Ground Plane, Aircraft Fuselage, and other Platform Effects on GPS Antennas. Measurement of the Characteristics of GNSS Antennas. Antennas and Site Considerations for Precise Applications.

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- Sales Rank: #2141945 in Books
- Published on: 2012-11-01
- Original language: English
- Number of items: 1
- Dimensions: 10.30" h x 1.00" w x 7.10" l, 1.90 pounds
- Binding: Hardcover
- 574 pages

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### About the Author

B. Rama Rao is a principal engineer at the MITRE Corporation. He received his Ph.D. in applied physics from Harvard University. W. Kunysz works for Nov Atel, Inc. An inventor of six patents, he holds a Master of Nautical Sciences degree from Gdynia Maritime University in Poland. R. Fante held various engineering positions at Avco Corporation, the U.S. Air Force, Textron Corporation, and most recently at the MITRE Corporation. He received his Ph.D. in electrical engineering from Princeton University. K. McDonald is the lead signal processing engineer at the MITRE Corporation. He holds a Ph.D. in electrical engineering from Lehigh University.

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