

**A System Configuration Design to Meet Magellan
(MGN) Space Mission High-Rate Data Transmission
Performance Requirements**

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Abstract

This paper puts forward a system configuration design to meet Magellan Space Mission high-performance communications system. The recommended design is analyzed and shown to meet Magellan high rate data transmission 115.2 kilo bits per second (kbps) and 268.9 kbps performance requirements.

Keywords: Magellan (MGN) Space Mission, Data Communication, High Rate Data Transmission.