

## ***RELEASE NOTICE***

July 19, 2022

TO: DSN Document 810-005 Distribution  
FROM: DSN Systems Engineering  
SUBJECT: Release 61 for DSN Document 810-005

Module 202E for Document 810-005, Deep Space Network (DSN) Telecommunications Link Design Handbook had been revised and is being released. A summary of changes for the affected Module is as follows:

- **202 (Revision E); Doppler Tracking**
  - Added new figures for Doppler measurement error due to solar phase scintillation.
  - Corrected equations for the Doppler measurement error due to solar phase scintillation in the case of a one-way (noncoherent) measurement.
  - Corrected/Added the equations/figures for C-band.
  - Added figure for coherent K-up/K-down.

A copy of the updated module can be obtained at the following URL:

<https://deepspace.jpl.nasa.gov/dsndocs/810-005/>

Should you want to subscribe, unsubscribe, or have further questions about this document release notice, please contact Christine Chang at 818-354-4264 or send email to [Christine.Chang@jpl.nasa.gov](mailto:Christine.Chang@jpl.nasa.gov)

Should you have any technical questions regarding an 810-005 module, please see the contact list at the following URL:

<https://deepspace.jpl.nasa.gov/dsndocs/810-005/contact-us/>

A copy of this release notice is also available at:

<https://deepspace.jpl.nasa.gov/dsndocs/810-005/release-notices/change-61/relnotice61.pdf>