

## Beacon, pointing and UPC

| <b>Item</b>                            | <b>Value</b> | <b>Units</b> |
|--|--------------|--------------|
| Satellite Beacon EIRP                  | 21.0         | dBW          |
| Total Loss, Ls                         | 211.2        | dB           |
| GW G/T                                 | 37.4         | dB/K         |
| k                                      | -228.6       | dBW/K        |
| $4\pi/\lambda^2$                       | 47.6         | dB           |
| C/No                                   | 75.8         | dB-Hz        |
| C/Io                                   | 57.3         | dB-Hz        |
| C/(No+Io)                              | 57.3         | dB-Hz        |
| Required Beacon C/(Io+N <sub>o</sub> ) | 50.0         | dB-Hz        |
| C/(No+Io) Margin                       | 7.3          | dB           |