

Minimum Cable Lengths for SpotCell 2500Xe System

This bulletin covers minimum cable length requirements that are not currently published in the SpotCell 2500Xe documentation.

To avoid potential overdrive of the SpotCell 2500Xe system, it is recommended that there be a minimum of 6 dB of cable loss (at 850 MHz) between the Donor Unit and the Coverage Unit.



Using Spotwave provided cable, this 6 dB of loss corresponds to:

- 82 ft (25m) RG-6 standard
- 66 ft (20m) RG-6 plenum
- 164 ft (50m) RG-11 standard
- 122 ft (40m) RG-11 plenum

For SpotCell 2500Xe **50K systems**, the minimum loss between the two Coverage Units is 1 dB. This 1 dB of loss corresponds to:

- 10 ft (3m) of RG-6 standard or plenum
- 20 ft (6m) of RG-11 standard or plenum

