



# Q&A: Usage Density

## Plantronics Voyager™ 510S

Bluetooth® Office Headset System

**Q: How many Voyager 510S systems can be deployed in a small office?**

**A:** As a guide, we recommend a maximum of 8 simultaneous users (active calls) in a typical 50ft x 65ft office. Obviously more than 10 systems may be deployed as long as no more than 8 calls are in progress at any one time. This assumes that there are no other active Bluetooth or other 2.4GHz devices (i.e WiFi/802.11) operating within the area. Even with Voyagers Adaptive Frequency Hopping (AFH), WiFi/802.11 can reduce the amount of available spectrum and impact density.

**Q: How many Voyager 510S systems can be deployed in a given office size?**

**A:** As a guide, the number of users may be increased by 50% for each doubling of floor size. For example:

- 50ft x 65ft office = 8 active calls
- 100ft x 65ft office = 8 + 50% of 8 = 8 + 4 = 12 active calls
- 100ft x 130ft office = 12 + 50% of 12 = 12 + 6 = 18 active calls

**Note:** These are estimations only and are subject to revision on completion of user density trials.

**Q: What happens if the recommended number of systems is exceeded?**

**A:** When the recommended number of Voyager systems for the given environment is exceeded, users may experience a degradation of audio quality.

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