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# TekTone® Technical Support Bulletin — No. 38

## Site Surveys for SF503ES and SF504ES Pendants

*for the Tek-CARE®500 Wireless Emergency Call System*

The new SF503ES and SF504ES pendants have slightly different operating parameters than the earlier version pendants (SF501ES and SF501/2ES). The SF503ES and SF504ES have lower transmission strengths compared to the previous hardware. Therefore, keep the following in mind when deploying the new pendants.

**Using SF503ES or SF504ES pendants in a new installation:** Conduct a site survey using the existing NC500ESSK Survey Kit and instructions, with one exception. In addition to a signal strength of GOOD on the survey kit receiver’s display, the Signal Margin must be 10db or greater (see graphic).

```
Point 01: Good *+
Rcv Lvl: 70 Mar: 70
Msg#: 100 Batt#: OK
ENT for more data
```

Signal Margin (highlighted in yellow).

**Adding SF503ES or SF504ES pendants to an existing system:** The system may experience some “missing” alarms with the new pendants. To correct this scenario, conduct a new site survey to discover any low coverage areas where the Signal Margin is less than 10db (see graphic). Add NC511ES Repeaters to extend coverage as necessary.

Regards,

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Product Support Manager

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