

EMC Rationale.**Technical Rationale.**

The unit generates low amplitude and low frequency signals and is completely screened.

Details of significant design aspects.

1. Metal enclosure bonded.
2. Low frequency 700kHz to be reduced to 32kHz
3. Low signal amplitude 3.3v
4. Battery holder has metal batteries
5. battery holder has a metal bracket screening it
6. **Component specifications :**
 - a. LCD has a foil backing.
 - b. PCB P/N0330555 has large ground planes and rear ground planes
 - c. Short lead lengths
 - d. No right angle bends
 - e. Bulk of electronic communication in processor
7. **Procedures used to control variants in design & explanation of procedures used to assess if the product should be retested :**
 - a. None.
8. **Details of any theoretical modeling :**
9. **Advice taken from EMC company.**
 - a. Unit will be submitted to confirm rationale when final software has been approved