

Declaration about Periodic Operation Of NWL system

The EUT NWLCONTVLV system is compliant with periodic operation requirements listed below:

1. NWL system has no continuous transmission.
2. NWL system has no manually operated transmitter.
3. A transmitter activation cease transmission within 0.5 seconds after activation.
4. NWL system has no periodic transmissions, besides polling or supervision transmissions.
5. Total duration of polling supervision transmission, including data, to determine system integrity in security or safety applications does not exceed 2 seconds per hour.

The NWL is battery based system and therefore initiates every transmission. The CNTL in such system must be connected to external power supply and stay in receive mode all the time.

Description of Transmission event:

No continuous transmissions

Each device transmits once every 15 second

Transmission pattern:

1 burst of 18 bytes

A burst is 3.5ms long

Time between burst 15s

Max time of transmission is:

$1 \text{ hour} / 15\text{s} * 3.5\text{ms} = (3600/15) * 0.0035 = 0.84\text{s} < 2\text{s per Hour}$

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