

ATTESTATION STATEMENT

GENERAL REMARKS:

1. These transmitters are single frequency devices. They're SAW resonator based and the transmission frequency is determined by the SAW resonator. The resonator used in the 473S/474S has a center frequency of 433.92 MHz +/- 75 KHz. This means the single transmission frequency will always be locked at 433.92MHz only with a +/-75 KHz tolerance for its center.
Furthermore, the receivers operated by these transmitters are single band receivers tuned to 433.92MHz and only capable of receiving this frequency.
2. The 473S/474S are data transmission devices. Their protocol consists of 12 preamble bits (400us each) and 66 data bits (400us or 800us each, they are random) for a total of 78 bits. So the calculation for the duty cycle becomes:

$$(12 \times 400\text{us}) + (66 \times 800\text{us}) = 57.60\text{ms within a 100ms period}$$

The worst case scenario calculation is assured by the fact that we used 800us for all 66 data bits as they can be either 400us or 800us.

SUMMARY:

All tests were performed per CFR 47, Part(s) 15.231(a), 15.231(b), 15.231(c)

■ - Performed

The Equipment Under Test

■ - **Fulfills** the requirements of CFR 47, Part(s) 15.231(a), 15.231(b), 15.231(c)

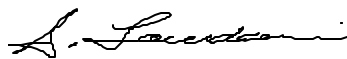
- TÜV AMERICA, INC. -

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