ATTESTATION STATEMENT

GENERAL REMARKS:

 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 x 400us)+(66x800us)= 57.60ms 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. -

Responsible Engineer:

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