

Class II Permissive Change B4Z-710-DRILL

We are seeking a Class II permissive change to this transmitter. Upon acceptance by the FCC, the following changes are planned:

1. The ASIC die, which controls the transmitter operation, has gone through a die shrink to reduce cost. The function of the ASIC is unchanged, but as a result of the smaller silicon, the bond pads had to be moved on the PCB.
2. On the original board, we left two metal contacts that an installer would short to enroll the transmitter in the security panel. This proved to be unpopular with our customers, and we have incorporated a small push-button switch in essentially the same position.
3. We removed the landing pads for component C4 that was never inserted in the original version of the product.
4. We changed the value of C1 from 1 pF to 0.5 pF to increase the output power of the transmitter.

Included in this submission are the following:

1. Schematic of the original device, revision A1.
2. Schematic of the new device, revision B1.
3. Test Data from TUV showing continued emissions compliance. Note that TUV failed to measure all of the harmonics on the first test. Consequently, we had to send the device back to TUV on a later date to have the missing data taken.
4. Picture of the new design showing the added switch

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