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CFS8DL-GRIPAI05A FCC COVER LETTER

Date: 8/23/2019

To Whom It May Concern:

This letter is to inform you of our request for a new certification for our transceiver known as CFS8DL-GRIPAI05A. It is a deviation of a device previously certified (FCC ID: CFS8DL-GRIPAI05) with the Wiselink radio block & antenna removed from the main PCB. There are no other changes – either mechanically or electrically – made to the device. The transceiver now contains two (2) on-board radios both of which will operate under Part 15.247.

This product is a derivative of a previously certified device, the GRIP 7" AIO Panel (FCC ID: CFS8DL-GRIPAI07). The main PCB of the two panels, which contains all radio circuitry, are identical. The difference between the two panel is limited to the front panel interface – the GRIP 7" AIO contains a 7" LCD touch-screen display while the GRIP 5" AIO contains a 5" LCD touch-screen display. Only radiated spurious emissions & Bandedge testing of all on-board radios was revisited as part of this certification. The conducted antenna port testing will be leveraged from the similarly certified device. Ademco Inc. takes full responsibility for the data that is being referenced per KDB 484596.

Test reports provided as part of this certification are summarized below:

- ADT5AIO EXHIBIT 5-1: Simultaneous radio transmission
- ADT5AIO EXHIBIT 5-2: Individual radio transmission
- ADT7AIO EXHIBIT 5-1A: Original conducted antenna port data for BLE
- ADT7AIO EXHIBIT 5-2A: Original conducted antenna port data for RF6

The table below shows evidence of the spot check (conducted output power) performed between the two devices:

RADIO	CHANNEL	ORIGINAL DATA (dBm) ID: CFS8DL-GRIPAI07	NEW DATA (dBm) ID: CFS8DL-GRIPAI05A	DELTA (dB)
RF6 ANT1	Worse-case	21.34	21.0	-0.34
RF6 ANT2		22.37	22.5	0.13
Bluetooth		-0.08	0.07	0.15

The data is valid since the delta is within 0.5dB.

Regards,

X 

Michael Antola