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Ademco Inc
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CFS8DL-GRIPDF FCC COVER LETTER

Date: 10/23/2018

To Whom It May Concern:

This letter is to inform you of our request for a new certification for our transceiver known as CFS8DL-GRIPDF. The transceiver contains three (3) on-board radios all of which will operate under Part 15.247 – 902-928MHz & 2400-2483.5MHz.

This product is a derivative of a previously certified device, the GRIP 7" AIO Panel (FCC ID: CFS8DL-GRIPAIO7). 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 7" AIO contains an LCD touch-screen display while the GRIP Defender has a push-button keypad and a small LED display. As such, the front enclosure is also different to accommodate the alternate version. Only radiated 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. The table below shows evidence of the spot check (output power) performed between the two devices:

RADIO	CHANNEL	ORIGINAL DATA (dBm) ID: CFS8DL-GRIPAIO7	NEW DATA (dBm) ID: CFS8DL-GRIPDF	DELTA (dB)
RF6 ANT1	Worse-case	21.34	21.46	-0.12
RF6 ANT2		22.37	22	0.37
Wiselink		18.55	18.51	0.04
Bluetooth		-0.08	-0.28	0.2

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

Regards,

X 

Michael Antola