

Davis Instruments Corp.  
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To: FCC

Permissive changes for the Davis Instruments Corp. 6310 Vantage Pro Console.

The originally tested configuration for Davis Instruments' 6310 Vantage Pro console featured a simple wire antenna, soldered directly to the circuit board and housed inside the plastic case. To improve reception, Davis switched to an external antenna. The antenna is housed in a thick plastic tube affixed to a rotating collar. The collar surrounds a metal stem that bolts to a hole on the circuit board. The antenna assembly is a permanent fixture and cannot be switched out by the user.

To accommodate the new antenna, Davis created a new circuit board layout. No parts were added or removed from the original design, nor did the size of the circuit board change. The schematic for the console board RF section did not change. The RF section was moved from the part of the board where the old wire antenna was soldered to another part of the board where the new antenna is bolted. No other sections were moved.