



Trig TT31 Transponder – Modifications to the transmitter board.  
FCC ID: VZI00220

1st August 2018

The modifications to the TT31 transmitter board were necessitated by the impending exhaustion of life-bought stocks of the semiconductor devices used in the transmitter strip.

The modified TT31 transmitter board was closely similar to the design recently approved and introduced in the T22 transponder.

The modified design follows that of the original, but with modern alternatives to the original parts. The first stage simply uses a close equivalent of the original part.

Improved device performance has allowed the two driver stages to be replaced by a single stage, and that driver is packaged along with the final stage transistor.

The TT31 transmitter retains its original output filtering structure and its modulator design.

The modified TT31 transponder meets all the same specifications as the original. It remains electrically and functionally identical to the original and is to be used in the same application.

A handwritten signature in blue ink that reads "Andrew Davis".

Andrew Davis

CEO

Trig Avionics Ltd