



The RM1809 Radio is mounted onto the DX180 Carrier Card.

The RM1809 is a complete module except for the antenna connector and voltage regulator; these components are located on the DX180 Carrier Card.

It is desired to have the RM1809 Radio as a Limited Modular Approval for use with the DX180 Carrier Card. In the future, any changes to the DX180 Carrier Card, or change in non-radio functionality, could be updated via a Class II permissive change by adding model numbers of changed or new carrier cards.

The above assembly fits into a plastic case. The connector board at the bottom of the plastic case provides the power connection to the radio board and also can make connections to many of the sensors that may be used with the DX80. The DX80 includes the plastic case, connector board, ribbon cable, and RM1809/DX180.

It is our engineering opinion that the plastic case does not affect any of the radio characteristics. The ribbon cable, its position, and the connector board were not affecting any measurement levels. This configuration was tested for ease of making the power connection with an existing manufacturer supplied power cable.