

# **Test Report and Model difference summary #6100 and #6805**

This summary is regarding IR2DWW6100 product model number 6100. Product model number 6100 is a depopulated version of product model number 6805 (IR2DWW6805). Both products use the exact same PCB. Test data for the fully populated 6805 product was used to certify the depopulated 6100. The applicant, Davis Instruments takes full responsibility that the test data represents compliance for the 6100 product.

Both products include a low power (<1mW) 2.4 GHz transceiver for configuration from a smart phone app (BLE compatible), a certified WiFi module (FCCID: 2AC7Z-ESPWROOM02, IC: 21098- ESPWROOM02), and a 902-928 MHz ISM band receiver-only with an internal PCB copper pattern antenna (1dBi).

The model 6805 also includes a 902-928 MHz ISM band transceiver that uses an internal PCB copper pattern antenna (1dBi) or can be configured to use an external antenna (8 dBi or less Omni) through an RPSMA connector. That ISM band transceiver and the RPSMA are depopulated on the 6100 model product. All other components are identical.

A spot check test was performed on the model 6100 (with depopulated ISM transceiver) per 15.247 RSE and the device maintained compliance.