

## Contingency Serial Number Reporting

In the event that the RF Engine experiences sustained transmission failure the GPIO Bus will be instructed to begin contingency broadcasts on a dedicated pin. Contingency broadcasts are designed to identify a failing device to RF test fixtures and therefore have limited range and content (Device Serial Number). Broadcasts are Amplitude Modulated (AM) in the medium wave band (530 to 1700 kHz) and adhere to FCC Title 47 CFR Part 15. It is recommended that a wire antenna be attached to the broadcast pin during testing for best signal fidelity.

### NOTE FOR SPARKX CARRIER BOARDS

As of carrier configuration v40, the Contingency Broadcast Pin can be located in the GPIO header positioned diagonally from the VORTEXs Test Point.