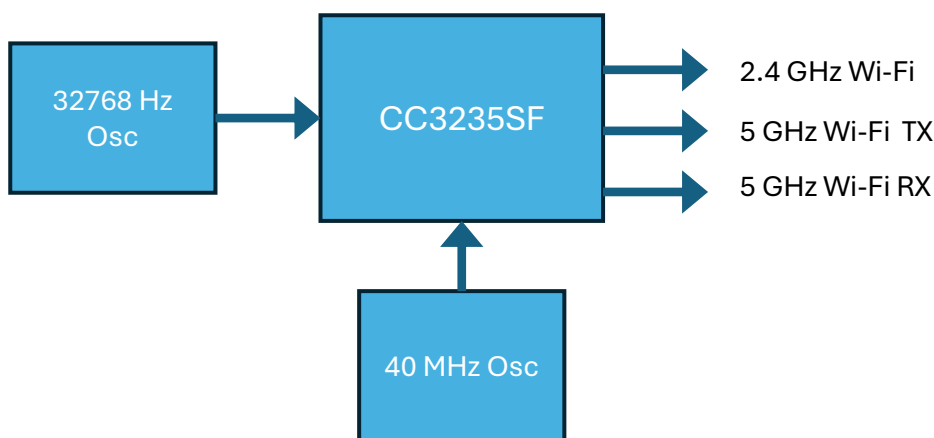


# Irrigreen Controller 705101 Frequency Block Diagram

A Texas Instruments CC3235SF combines a microprocessor and radio in the Irrigreen Controller 705101. The specification sheet is listed separately. A 40 MHz oscillator provides source frequencies of operation using a clock divider for lower frequencies or a Digital PLL for higher clock frequencies needed for the 2.4 GHz and 5 GHz radios. A Wi-Fi software stack from Texas Instruments is used where the 2.4GHz radio ranges from 2.412 GHz to 2.462 GHz and the 5GHz radio ranges from 5.180 GHz to 5.825 GHz. A 32768 Hz oscillator operates a real time clock.



# Irrigreen Controller 705101 Frequency Block Diagram

A Texas Instruments CC2652R7 combines a microprocessor and radio in the Irrigreen Controller 705101. The specification sheet is listed separately. A 48 MHz oscillator provides source frequencies of operation using a clock divider for lower frequencies or a Digital PLL for higher clock frequencies needed for the 2.4 GHz radio. A Bluetooth Low Energy software stack from Texas Instruments is used where the BLE 2.4 GHz ranges from 2.402 GHz to 2.480 GHz. A 32768 Hz oscillator operates a real time clock.

