ADF4351 external LO API application note

1. Introduction

This document describes how to use ADF4351 external LO API.

2. How to use ADF4351 external LO API.

- i. Include ADF4351.h to user project.
- ii. Define ADF4351 serial interface bus.(If you need to change ADF4351 serial interface bus please modify ADF4351.cpp)

iii. Initialize ADF4351 serial interface bus.

```
Eagle eagle;
Dword error = ModulatorError_NO_ERROR;

error = ADF4351_busInit ((Modulator*) &eagle); // Initialize ADF4351 serial interface bus.

if (error) {
    printf ("Error Code = %X", error);
    return;
}
```

iv. Set output frequency.(Unit: KHz)

If PLL lock, ADF4351's LD pin (pin 25) outputs logic high to indicate PLL lock. A logic low output indicates loss of PLL lock.