



**EchoStar Mobile Ltd (EML)**  
25/28 North Wall Quay  
Dublin - Ireland

## Model Differences Letter

The **EM2050** family of products for North America market is composed by:

- EM2050-0 (or no suffix EM2050)
- EM2050-1
- EM2050-2
- EM2050-3

The only difference between them is:

- EM2050-0 (or no suffix EM2050) : base version not equipped with U.FL antenna connectors, and equipped with STM32WB15 microcontroller
- EM2050-1 : identical to model EM2050 but equipped with U.FL connectors at antenna ports, to be used with separate antennas instead of PCB mounted antennas
- EM2050-2 : identical to model EM2050 but equipped with STM32WB55 microcontroller instead of STM32WB15. Both microcontrollers are pin compatible and have the same internal architecture, differing only for the amount of internal RAM and Flash memory.
- EM2050-3 : identical to EM2050-2 but equipped with U.FL connectors at antenna ports.

**Dated this** 07 **Day of** 10 **20** 22

**By:**  **Telemaco Melia**  
**Signature** **Printed**

**Title:** VP & General Manager

**Telephone:** +41763071276

**Applicant:** EchoStar Mobile Ltd