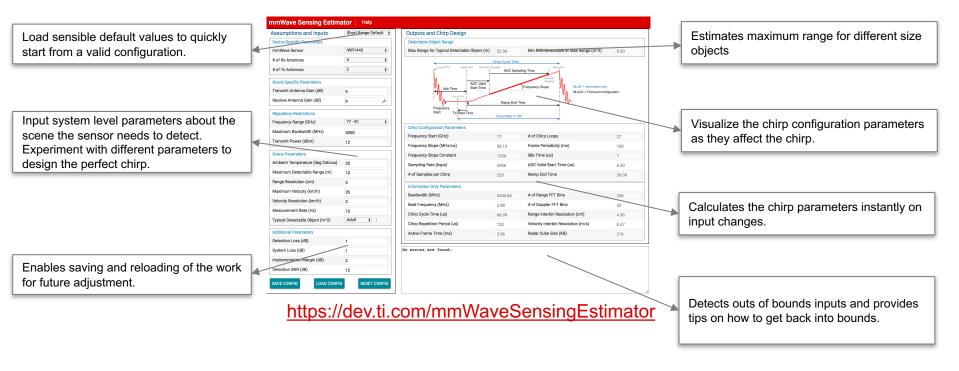
#### mmWave Studio – Sensing Estimator

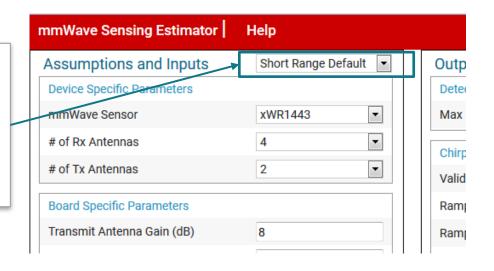
#### Prototype chirp designs rapidly with real-time feedback!



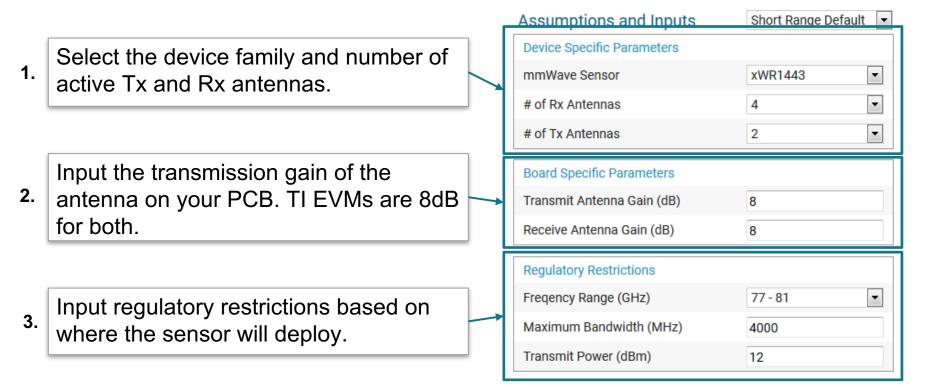
# **Getting Started – Step #1**

#### Select the default values to start with:

- Option #1: Short Range Default
  - Designed to reflect the out of box demo for proximity in short range with high resolution
- Option #2: Long Range Default
  - Designed to detect vehicle at long range



# **Getting Started – Step #2**



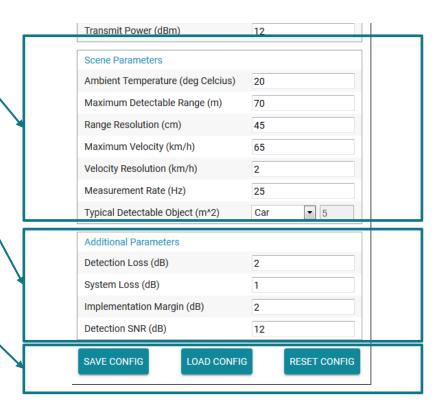
# **Getting Started – Step #3**

1. Input the desired maximum parameters of your scene.

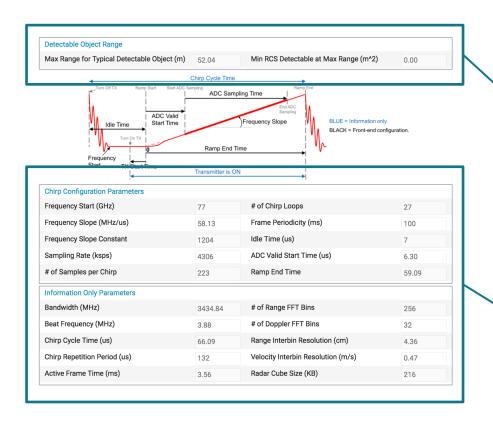
Input additional parameters to build in engineering margin into the design.

Defaults are a good start for most applications

Optional: Save the current configuration or load an existing one from the PC.



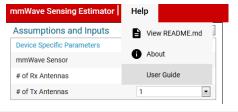
#### **Getting Started – Results**



Calculated maximum detectable range for the selected typical object size.

Calculated minimum object size at the inputted maximum detectable range.

Calculated chirp cpmfog parameters for the analog front-end. For explanation of each please see the User Guide:



# **Getting Started – Errors & Tips**



Out of bounds values are highlighted to enable rapid prototyping.

Detected errors are explained and helpful tips to correct the errors are provided.