1. **sensorStop 0**

* This command stops the sensor operation.
  + 0: Dummy parameter.

1. **channelCfg 7 3 0**

* This command configures the channel settings.
  + 7: RX channel mask.
  + 3: TX channel mask.
  + 0: Cascade operation enable/disable (0 for disabled, 1 for enabled).

1. **chirpComnCfg 20 0 0 64 4 19 0**

* This command configures the common parameters for all chirps.
  + 20: Total number of chirps.
  + 0: Start frequency in MHz.
  + 0: Frequency slope in MHz/us.
  + 64: Number of ADC samples per chirp.
  + 4: Chirp duration in us.
  + 19: Chirp interval in us.
  + 0: Chirp trigger delay in us.

1. **chirpTimingCfg 6 20 0 32 61**

* This command configures the timing parameters for a specific chirp.
  + 6: Chirp index.
  + 20: Chirp start time in us.
  + 0: Chirp duration in us.
  + 32: Chirp interval in us.
  + 61: Chirp trigger delay in us.

1. **frameCfg 8 0 300 1 250 0**

* This command configures the frame settings.
  + 8: Number of frames.
  + 0: Frame trigger delay in us.
  + 300: Frame duration in ms.
  + 1: Chirp start index.
  + 250: Number of chirps per frame.
  + 0: Dummy parameter.

1. **guiMonitor 2 2 0 0 0 1**

* This command configures the GUI monitor settings.
  + 2: Number of range bins.
  + 2: Number of Doppler bins.
  + 0: Range FFT windowing enable/disable (0 for disabled, 1 for enabled).
  + 0: Doppler FFT windowing enable/disable (0 for disabled, 1 for enabled).
  + 0: Log magnitude display enable/disable (0 for disabled, 1 for enabled).
  + 1: AOA (angle of arrival) display enable/disable (0 for disabled, 1 for enabled).

1. **sigProcChainCfg 64 2 2 0 4 4**

* This command configures the signal processing chain settings.
  + 64: Number of range bins.
  + 2: Number of Doppler bins.
  + 2: Range FFT window length.
  + 0: Range FFT windowing enable/disable (0 for disabled, 1 for enabled).
  + 4: Doppler FFT window length.
  + 4: Doppler FFT windowing enable/disable (0 for disabled, 1 for enabled).

1. **cfarCfg 2 4 3 2 0 12.0 0 0.5 0 1 1 1**

* This command configures the CFAR settings.
  + 2: Number of guard cells.
  + 4: Number of training cells.
  + 3: CFAR mode (0 for CA, 1 for GO, 2 for SO, 3 for OS).
  + 2: CFAR threshold scaling factor.
  + 0: Doppler domain CF

1. **aoaFovCfg -60 60 -40 40**

* This command configures the angle of arrival field of view.
  + -60: Minimum azimuth angle in degrees.
  + 60: Maximum azimuth angle in degrees.
  + -40: Minimum elevation angle in degrees.
  + 40: Maximum elevation angle in degrees.

1. **rangeSelCfg 0.1 10.0**

* This command configures the range selection.
  + 0.1: Minimum range in meters.
  + 10.0: Maximum range in meters.

1. **clutterRemoval 1**

* This command enables or disables static clutter removal.
  + 1: Enable/disable (0 for disabled, 1 for enabled).

1. **compRangeBiasAndRxChanPhase 0.0 1.00000 0.00000 -1.00000 0.00000 1.00000 0.00000 -1.00000 0.00000 1.00000 0.00000 -1.00000 0.00000**

* This command configures the range bias compensation and Rx channel phase compensation.
  + 0.0: Range bias in meters.
  + The following numbers are complex coefficients for Rx channel phase compensation.

1. **adcDataSource 0 adc\_data\_0001\_CtestAdc6Ant.bin**

* This command configures the ADC data source.
  + 0: Data source (0 for real-time, 1 for binary file).
  + adc\_data\_0001\_CtestAdc6Ant.bin: Filename of the binary data file.

1. **adcLogging 0**

* This command enables or disables ADC data logging.
  + 0: Enable/disable (0 for disabled, 1 for enabled).

1. **lowPowerCfg 1**

* This command enables or disables low power mode.
  + 1: Enable/disable (0 for disabled, 1 for enabled).

1. **factoryCalibCfg 1 0 40 0 0x1ff000**

* This command configures the factory calibration settings.
  + 1: Calibration mode (1 for temperature calibration, 2 for process calibration).
  + 0: Temperature calibration reference temperature.
  + 40: Temperature calibration temperature range.
  + 0: Process calibration frequency step.
  + 0x1ff000: Calibration address.

1. **mpdBoundaryBox 1 -2 2 0 10 0 3**

* This command configures the MPD (Multi-Pass Doppler) boundary box settings.
  + 1: Enable/disable (0 for disabled, 1 for enabled).
  + -2: Minimum X position in meters.
  + 2: Maximum X position in meters.
  + 0: Minimum Y position in meters.
  + 10: Maximum Y position in meters.
  + 0: Minimum Z position in meters.
  + 3: Maximum Z position in meters.

1. **sensorPosition 0 0 2 0 0**

* This command configures the sensor position.
  + 0: X position in meters.
  + 0: Y position in meters.
  + 2: Z position in meters.
  + 0: Azimuth angle in degrees.
  + 0: Elevation angle in degrees.

1. **minorStateCfg 3 2 10 8 6 20 8 20**

* This command configures the minor state settings.
  + 3: Number of calibration cycles.
  + 2: Number of signal acquisition cycles.
  + 10: Number of range FFT cycles.
  + 8: Number of Doppler FFT cycles.
  + 6: Number of CFAR cycles.
  + 20: Number of angle estimation cycles.
  + 8: Number of clustering cycles.
  + 20: Number of tracking cycles.

1. **clusterCfg 1 0.5 2**

* This command configures the clustering settings.
  + 1: Enable/disable (0 for disabled, 1 for enabled).
  + 0.5: Minimum distance between clusters in meters.
  + 2: Maximum number of clusters.

1. **sensorStart 0 0 0 0**

* This command starts the sensor operation.
  + 0: Profile index.
  + 0: Frame trigger source (0 for software, 1 for hardware).
  + 0: Chirp trigger source (0 for software, 1 for hardware).
  + 0: Frame trigger delay in us.