ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

    struct with fields:

```
       maxPeak: 0.0088
   idStartTime: 281651
idDopplerShift: 49
          mean: 8.0974e-10
    meanSquare: 4.8497e-09
         phase: 2.0981


ans =

    "Tracker step 1: demodulated 10 symbols."


ans =

    "Tracker step 2: demodulated 20 symbols."


ans =

    "Tracker step 3: demodulated 30 symbols."


ans =

    "Tracker step 4: demodulated 40 symbols."


ans =

    "Tracker step 5: demodulated 50 symbols."


ans =
```

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 1"

ans =

  struct with fields:

           version: "2"
    ACQUISITION_OK: 1
      TRACKING_OK: 1
    DEMODULATION_OK: 1
            SV_ID: '000001'
        message_ID: '0011'

```
                message_body: '0101001100011100110010111011110'
                         CRC: '0001101111001000101000001'
                       ACKed: 1
                  isACKmessage: 1
        estimatedDopplerStart: 46.9697
          estimatedDopplerEnd: 61.8516
               estimatedDelay: 0.0282
               estimatedPhase: 2.0981


ans =

    "Results saved in MM_test_5.65_12.6_f0_d100_s10_c5.json"

Elapsed time is 17.812580 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.898830 seconds.

ans =

    "Acquisition search 10.0% completed."


ans =

    "Acquisition search 20.0% completed."


ans =
```

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

"Acquisition search 100.0% completed."

ans =

    struct with fields:

          maxPeak: 0.0070
      idStartTime: 281651
    idDopplerShift: 49
             mean: 4.8988e-09
       meanSquare: 3.0686e-09
            phase: 2.0981

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 1"

ans =

struct with fields:

```
           version: "2"
    ACQUISITION_OK: 1
      TRACKING_OK: 1
   DEMODULATION_OK: 1
            SV_ID: '000001'
        message_ID: '0011'
      message_body: '01010011000110011001011101110'
              CRC: '00011011110010001010000001'
             ACKed: 1
      isACKmessage: 1
  estimatedDopplerStart: 46.9697
  estimatedDopplerEnd: 61.8516
     estimatedDelay: 0.0282
     estimatedPhase: 2.0981
```

ans =

    "Results saved in MM_test_5.98_12.6_f0_d100_s10_c5.json"

Elapsed time is 17.140179 seconds.

.

ans =

    "Generation test signal completed."

Elapsed time is 0.908764 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0056
    idStartTime: 281651
  idDopplerShift: 49
           mean: 6.9583e-10
     meanSquare: 1.9758e-09
          phase: 2.0981

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

```
ans =

    "Tracker step 3: demodulated 30 symbols."


ans =

    "Tracker step 4: demodulated 40 symbols."


ans =

    "Tracker step 5: demodulated 50 symbols."


ans =

    "Tracker step 6: demodulated 60 symbols."


ans =

    "Tracker step 7: demodulated 70 symbols."


ans =

    "Tracker step 8: demodulated 80 symbols."


ans =

    "Received message analyzed."
```

ans =

    "DEMODULATION RESULT 1"

ans =

  struct with fields:

            version: "2"
      ACQUISITION_OK: 1
        TRACKING_OK: 1
     DEMODULATION_OK: 1
            SV_ID: '000001'
        message_ID: '0011'
     message_body: '01010011000110011001011101110'
             CRC: '000110111100100010100001'
           ACKed: 1
      isACKmessage: 1
  estimatedDopplerStart: 46.9697
   estimatedDopplerEnd: 61.8516
      estimatedDelay: 0.0282
      estimatedPhase: 2.0981

ans =

    "Results saved in MM_test_6.31_12.6_f0_d100_s10_c5.json"

Elapsed time is 16.977221 seconds.

.

ans =

    "Generation test signal completed."

Elapsed time is 0.897825 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0044
    idStartTime: 281651
    idDopplerShift: 49
           mean: 2.4004e-10
     meanSquare: 1.2287e-09
          phase: 2.0981

ans =

```
"Tracker step 1: demodulated 10 symbols."


ans =

    "Tracker step 2: demodulated 20 symbols."


ans =

    "Tracker step 3: demodulated 30 symbols."


ans =

    "Tracker step 4: demodulated 40 symbols."


ans =

    "Tracker step 5: demodulated 50 symbols."


ans =

    "Tracker step 6: demodulated 60 symbols."


ans =

    "Tracker step 7: demodulated 70 symbols."


ans =
```

```
    "Tracker step 8: demodulated 80 symbols."


ans =

    "Received message analyzed."


ans =

    "DEMODULATION RESULT 1"


ans =

  struct with fields:

                   version: "2"
           ACQUISITION_OK: 1
              TRACKING_OK: 1
          DEMODULATION_OK: 1
                    SV_ID: '000001'
               message_ID: '0011'
             message_body: '0101001100011100110010111011110'
                      CRC: '0001101111001000101000001'
                    ACKed: 1
              isACKmessage: 1
    estimatedDopplerStart: 46.9697
      estimatedDopplerEnd: 61.8516
           estimatedDelay: 0.0282
           estimatedPhase: 2.0981
```

ans =

    "Results saved in MM_test_6.64_12.6_f0_d100_s10_c5.json"

Elapsed time is 17.425149 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 1.088636 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

       maxPeak: 0.0897
    idStartTime: 281651

```
idDopplerShift: 51
         mean: 2.1877e-08
   meanSquare: 4.9875e-07
        phase: 2.1088
```

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 1"

ans =

  struct with fields:

           version: "2"
    ACQUISITION_OK: 1
       TRACKING_OK: 1
    DEMODULATION_OK: 1
             SV_ID: '000001'
        message_ID: '0011'
      message_body: '0101001100011100110010111011110'
               CRC: '00011011110010001010100001'

```
         ACKed: 1
    isACKmessage: 1
estimatedDopplerStart: 51.0101
 estimatedDopplerEnd: 63.3039
    estimatedDelay: 0.0282
    estimatedPhase: 2.1088


ans =

    "Results saved in MM_test_2.32_25.4_f0_d100_s10_c5.json"

Elapsed time is 17.230536 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.964887 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."
```

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

```
ans =

  struct with fields:

         maxPeak: 0.0564
      idStartTime: 281651
    idDopplerShift: 51
            mean: 3.2707e-08
       meanSquare: 1.9254e-07
            phase: 2.1088


ans =

    "Tracker step 1: demodulated 10 symbols."


ans =

    "Tracker step 2: demodulated 20 symbols."


ans =

    "Tracker step 3: demodulated 30 symbols."


ans =

    "Tracker step 4: demodulated 40 symbols."
```

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 1"

ans =

    struct with fields:

```
              version: "2"
      ACQUISITION_OK: 1
         TRACKING_OK: 1
     DEMODULATION_OK: 1
               SV_ID: '000001'
          message_ID: '0011'
        message_body: '0101001100011001100101110110'
                 CRC: '000110111100100010100001'
               ACKed: 1
         isACKmessage: 1
 estimatedDopplerStart: 51.0101
  estimatedDopplerEnd: 63.3039
       estimatedDelay: 0.0282
       estimatedPhase: 2.1088
```

ans =

    "Results saved in MM_test_2.99_25.4_f0_d100_s10_c5.json"

Elapsed time is 17.364250 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.975253 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0357
    idStartTime: 281651
    idDopplerShift: 51
           mean: 2.5044e-08
     meanSquare: 7.7790e-08
          phase: 2.1088

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

ans =

    "Received message analyzed."

ans =

"DEMODULATION RESULT 1"

ans =

  struct with fields:

                  version: "2"
          ACQUISITION_OK: 1
             TRACKING_OK: 1
         DEMODULATION_OK: 1
                   SV_ID: '000001'
              message_ID: '0011'
            message_body: '010100110001100110010111011110'
                     CRC: '00011011110010001010100001'
                   ACKed: 1
            isACKmessage: 1
     estimatedDopplerStart: 51.0101
      estimatedDopplerEnd: 63.3039
           estimatedDelay: 0.0282
           estimatedPhase: 2.1088

ans =

    "Results saved in MM_test_3.65_25.4_f0_d100_s10_c5.json"

Elapsed time is 17.482216 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.960930 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

"Acquisition search 70.0% completed."

ans =

"Acquisition search 80.0% completed."

ans =

"Acquisition search 90.0% completed."

ans =

"Acquisition search 100.0% completed."

ans =

  struct with fields:

       maxPeak: 0.0224
    idStartTime: 281651
  idDopplerShift: 51
          mean: 9.1005e-09
    meanSquare: 3.0906e-08
         phase: 2.1088

ans =

"Tracker step 1: demodulated 10 symbols."

```
ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."
```

ans =

  "Received message analyzed."

ans =

  "DEMODULATION RESULT 1"

ans =

  struct with fields:

                version: "2"
        ACQUISITION_OK: 1
          TRACKING_OK: 1
       DEMODULATION_OK: 1
              SV_ID: '000001'
           message_ID: '0011'
        message_body: '0101001100011100101011101110'
               CRC: '0001101111001000101000001'
               ACKed: 1
         isACKmessage: 1
  estimatedDopplerStart: 51.0101
    estimatedDopplerEnd: 63.3039
       estimatedDelay: 0.0282
       estimatedPhase: 2.1088

ans =

"Results saved in MM_test_4.32_25.4_f0_d100_s10_c5.json"

Elapsed time is 17.146145 seconds.

.

ans =

    "Generation test signal completed."

Elapsed time is 0.954927 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0142
    idStartTime: 281651
  idDopplerShift: 51
           mean: 4.6196e-09

```
      meanSquare: 1.2238e-08
           phase: 2.1088


ans =

    "Tracker step 1: demodulated 10 symbols."


ans =

    "Tracker step 2: demodulated 20 symbols."


ans =

    "Tracker step 3: demodulated 30 symbols."


ans =

    "Tracker step 4: demodulated 40 symbols."


ans =

    "Tracker step 5: demodulated 50 symbols."


ans =

    "Tracker step 6: demodulated 60 symbols."
```

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 1"

ans =

  struct with fields:

             version: "2"
      ACQUISITION_OK: 1
        TRACKING_OK: 1
    DEMODULATION_OK: 1
              SV_ID: '0000001'
         message_ID: '0011'
       message_body: '0101001100011100110101111011110'
                CRC: '00011011110001000101000001'
              ACKed: 1
       isACKmessage: 1

                estimatedDopplerStart: 51.0101
                estimatedDopplerEnd: 63.3039
                    estimatedDelay: 0.0282
                    estimatedPhase: 2.1088

ans =

    "Results saved in MM_test_4.98_25.4_f0_d100_s10_c5.json"

Elapsed time is 17.043492 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 1.004489 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0112
    idStartTime: 281651
  idDopplerShift: 51
           mean: 4.2186e-09
     meanSquare: 7.6662e-09
          phase: 2.1088

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 1"

ans =

  struct with fields:

       version: "2"
    ACQUISITION_OK: 1

```
          TRACKING_OK: 1
       DEMODULATION_OK: 1
                SV_ID: '000001'
           message_ID: '0011'
         message_body: '010100110001100101110110'
                  CRC: '00011011110010010100001'
                ACKed: 1
           isACKmessage: 1
    estimatedDopplerStart: 51.0101
     estimatedDopplerEnd: 63.3039
        estimatedDelay: 0.0282
        estimatedPhase: 2.1088


ans =

    "Results saved in MM_test_5.32_25.4_f0_d100_s10_c5.json"

Elapsed time is 17.089856 seconds.
.

ans =

    "Generation test signal completed."

Elapsed time is 1.415358 seconds.


ans =

    "Acquisition search 10.0% completed."


ans =

    "Acquisition search 20.0% completed."
```

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

       maxPeak: 0.0089
    idStartTime: 281651
    idDopplerShift: 51
          mean: 4.5210e-09
      meanSquare: 4.8769e-09
         phase: 2.1088

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 1"

ans =

  struct with fields:

              version: "2"
       ACQUISITION_OK: 1
          TRACKING_OK: 1
      DEMODULATION_OK: 1
                SV_ID: '000001'
           message_ID: '0011'
         message_body: '010100110001100101011101110'
                  CRC: '000111011110010001010100001'
                ACKed: 1
          isACKmessage: 1
    estimatedDopplerStart: 51.0101
     estimatedDopplerEnd: 63.3039
        estimatedDelay: 0.0282
        estimatedPhase: 2.1088

ans =

    "Results saved in MM_test_5.65_25.4_f0_d100_s10_c5.json"

Elapsed time is 17.484106 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.979760 seconds.

MATLAB Command Window

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0071
    idStartTime: 281651
  idDopplerShift: 51
           mean: 1.8235e-09
     meanSquare: 3.0963e-09
          phase: 2.1088

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 1"

ans =

  struct with fields:

                   version: "2"
           ACQUISITION_OK: 1
              TRACKING_OK: 1
          DEMODULATION_OK: 1
                    SV_ID: '000001'
               message_ID: '0011'
             message_body: '01010011000110011001011101110'
                      CRC: '00011011110010001010100001'
                    ACKed: 1
             isACKmessage: 1
    estimatedDopplerStart: 51.0101
      estimatedDopplerEnd: 63.3039
           estimatedDelay: 0.0282
           estimatedPhase: 2.1088

ans =

    "Results saved in MM_test_5.98_25.4_f0_d100_s10_c5.json"

Elapsed time is 17.079731 seconds.

.

ans =

    "Generation test signal completed."

Elapsed time is 0.953210 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

         maxPeak: 0.0056
      idStartTime: 281651
    idDopplerShift: 51
            mean: 2.7983e-09
      meanSquare: 1.8901e-09
           phase: 2.1088

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

"Tracker step 7: demodulated 70 symbols."

ans =

"Tracker step 8: demodulated 80 symbols."

ans =

"Received message analyzed."

ans =

"DEMODULATION RESULT 1"

ans =

struct with fields:

                version: "2"
        ACQUISITION_OK: 1
          TRACKING_OK: 1
      DEMODULATION_OK: 1
                SV_ID: '0000001'
            message_ID: '0011'
          message_body: '0101001100011100110010111011110'
                  CRC: '00011011110010001010100001'
                 ACKed: 1
           isACKmessage: 1
    estimatedDopplerStart: 51.0101
     estimatedDopplerEnd: 63.3039

```
        estimatedDelay: 0.0282
        estimatedPhase: 2.1088


    "Results saved in MM_test_6.31_25.4_f0_d100_s10_c5.json"

Elapsed time is 17.180686 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 1.015548 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."
```

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

struct with fields:

          maxPeak: 0.0045
      idStartTime: 281651
    idDopplerShift: 51
             mean: 2.5029e-09
       meanSquare: 1.2391e-09
            phase: 2.1088

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 1"

ans =

  struct with fields:

          version: "2"
    ACQUISITION_OK: 1
       TRACKING_OK: 1
    DEMODULATION_OK: 1

```
              SV_ID: '000001'
         message_ID: '0011'
       message_body: '0101001100011100110010111101110'
                CRC: '00011011110010001010000001'
              ACKed: 1
       isACKmessage: 1
estimatedDopplerStart: 51.0101
  estimatedDopplerEnd: 63.3039
      estimatedDelay: 0.0282
      estimatedPhase: 2.1088


ans =

    "Results saved in MM_test_6.64_25.4_f0_d100_s10_c5.json"

Elapsed time is 17.838430 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.968492 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."
```

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0890
     idStartTime: 281651
    idDopplerShift: 55
           mean: 4.1227e-08
      meanSquare: 4.9871e-07
          phase: 2.1282

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error no ack: received CRC 0001101111001001000011110 and CRC remainder 0000000000000001101111111
> In MessageAnalyzer/analyzeMessage (line 85)
  In RECEIVER (line 259)
  In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

"DEMODULATION RESULT 0"

ans =

  struct with fields:

                version: "2"
         ACQUISITION_OK: 1
           TRACKING_OK: 1
       DEMODULATION_OK: 0
                 SV_ID: '000001'
            message_ID: '0011'
          message_body: '01010011000110011001011101110'
                   CRC: '00011011110010010010011110'
                 ACKed: 0
          isACKmessage: 1
  estimatedDopplerStart: 59.0909
    estimatedDopplerEnd: 83.0317
        estimatedDelay: 0.0282
        estimatedPhase: 2.1282

ans =

    "Results saved in MM_test_2.32_51_f0_d100_s10_c5.json"

Elapsed time is 17.206306 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.998618 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0559
    idStartTime: 281651
  idDopplerShift: 55
           mean: 1.9581e-08
     meanSquare: 1.9420e-07
          phase: 2.1282

ans =

    "Tracker step 1: demodulated 10 symbols."

MATLAB Command Window

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ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

```
Warning: Error no ack: received CRC 00011011110010010011110 and CRC remainder 0000000000000010111111
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)


ans =

    "Received message analyzed."


ans =

    "DEMODULATION RESULT 0"


ans =

  struct with fields:

                  version: "2"
          ACQUISITION_OK: 1
             TRACKING_OK: 1
         DEMODULATION_OK: 0
                   SV_ID: '000001'
              message_ID: '0011'
            message_body: '010100110001100110010111011110'
                     CRC: '00011011110010010011110'
                    ACKed: 0
            isACKmessage: 1
    estimatedDopplerStart: 59.0909
      estimatedDopplerEnd: 83.0317
          estimatedDelay: 0.0282
          estimatedPhase: 2.1282
```

ans =

    "Results saved in MM_test_2.99_51_f0_d100_s10_c5.json"

Elapsed time is 17.233054 seconds.

.
ans =

    "Generation test signal completed."

Elapsed time is 0.977835 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

    struct with fields:

```
    maxPeak: 0.0354
 idStartTime: 281651
idDopplerShift: 55
       mean: 2.3289e-08
 meanSquare: 7.7092e-08
      phase: 2.1282
```

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

"Tracker step 6: demodulated 60 symbols."

ans =

"Tracker step 7: demodulated 70 symbols."

ans =

"Tracker step 8: demodulated 80 symbols."

Warning: Error no ack: received CRC 00011011110010010011110 and CRC remainder 0000000000000110111111
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

"Received message analyzed."

ans =

"DEMODULATION RESULT 0"

ans =

struct with fields:

version: "2"
ACQUISITION_OK: 1

```
          TRACKING_OK: 1
      DEMODULATION_OK: 0
                SV_ID: '000001'
           message_ID: '0011'
         message_body: '010100110001100101110110'
                  CRC: '000110111100100011110'
                ACKed: 0
          isACKmessage: 1
  estimatedDopplerStart: 59.0909
    estimatedDopplerEnd: 83.0317
        estimatedDelay: 0.0282
        estimatedPhase: 2.1282


ans =

    "Results saved in MM_test_3.65_51_f0_d100_s10_c5.json"

Elapsed time is 17.774227 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.984198 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."
```

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

"Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

         maxPeak: 0.0222
     idStartTime: 281651
    idDopplerShift: 55
            mean: 1.2540e-08
      meanSquare: 3.0813e-08
           phase: 2.1282

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error no ack: received CRC 00011011110010010011110 and CRC remainder 00000000000000110111111
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

                version: "2"
         ACQUISITION_OK: 1
            TRACKING_OK: 1
        DEMODULATION_OK: 0
                  SV_ID: '000001'
             message_ID: '0011'
           message_body: '01010011000111001100101011101110'
                    CRC: '00011011111001001000011110'
                  ACKed: 0
          isACKmessage: 1
    estimatedDopplerStart: 59.0909
      estimatedDopplerEnd: 83.0317
         estimatedDelay: 0.0282
         estimatedPhase: 2.1282

ans =

    "Results saved in MM_test_4.32_51_f0_d100_s10_c5.json"

Elapsed time is 17.289638 seconds.
.
ans =

```
    "Generation test signal completed."

Elapsed time is 0.986405 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."
```

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0141
    idStartTime: 281651
    idDopplerShift: 55
           mean: 4.2955e-09
     meanSquare: 1.2307e-08
          phase: 2.1282

ans =

```
    "Tracker step 1: demodulated 10 symbols."


ans =

    "Tracker step 2: demodulated 20 symbols."


ans =

    "Tracker step 3: demodulated 30 symbols."


ans =

    "Tracker step 4: demodulated 40 symbols."


ans =

    "Tracker step 5: demodulated 50 symbols."


ans =

    "Tracker step 6: demodulated 60 symbols."


ans =

    "Tracker step 7: demodulated 70 symbols."


ans =
```

"Tracker step 8: demodulated 80 symbols."

Warning: Error no ack: received CRC 00011011110010010011110 and CRC remainder 000000000000000110111111
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

                  version: "2"
          ACQUISITION_OK: 1
            TRACKING_OK: 1
        DEMODULATION_OK: 0
                  SV_ID: '0000001'
              message_ID: '0011'
            message_body: '0101001100011100110010111011110'
                    CRC: '00011011110010010100011110'
                    ACKed: 0
             isACKmessage: 1
    estimatedDopplerStart: 59.0909
      estimatedDopplerEnd: 83.0317

```
    estimatedDelay: 0.0282
    estimatedPhase: 2.1282


ans =

    "Results saved in MM_test_4.98_51_f0_d100_s10_c5.json"

Elapsed time is 17.267804 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 1.010397 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."
```

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

```
struct with fields:

       maxPeak: 0.0111
   idStartTime: 281651
  idDopplerShift: 55
          mean: 5.2271e-09
    meanSquare: 7.7924e-09
         phase: 2.1282


ans =

    "Tracker step 1: demodulated 10 symbols."


ans =

    "Tracker step 2: demodulated 20 symbols."


ans =

    "Tracker step 3: demodulated 30 symbols."


ans =

    "Tracker step 4: demodulated 40 symbols."


ans =

    "Tracker step 5: demodulated 50 symbols."
```

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error no ack: received CRC 0001101111001001000011110 and CRC remainder 000000000000000110111111
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

    struct with fields:

```
                    version: "2"
             ACQUISITION_OK: 1
               TRACKING_OK: 1
           DEMODULATION_OK: 0
                     SV_ID: '000001'
                message_ID: '0011'
              message_body: '0101001100011001100101110110'
                       CRC: '000110111100100100011110'
                     ACKed: 0
              isACKmessage: 1
     estimatedDopplerStart: 59.0909
       estimatedDopplerEnd: 83.0317
            estimatedDelay: 0.0282
            estimatedPhase: 2.1282


ans =

    "Results saved in MM_test_5.32_51_f0_d100_s10_c5.json"

Elapsed time is 17.992481 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.998255 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =
```

```
    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."
```

```
ans =

    "Acquisition search 90.0% completed."


ans =

    "Acquisition search 100.0% completed."


ans =

  struct with fields:

        maxPeak: 0.0088
    idStartTime: 281651
  idDopplerShift: 55
           mean: 4.0432e-09
     meanSquare: 4.9005e-09
          phase: 2.1282


ans =

    "Tracker step 1: demodulated 10 symbols."


ans =

    "Tracker step 2: demodulated 20 symbols."


ans =
```

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error no ack: received CRC 0001101111001001000011110 and CRC remainder 00000000000000011011111
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

"Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

                 version: "2"
          ACQUISITION_OK: 1
             TRACKING_OK: 1
         DEMODULATION_OK: 0
                   SV_ID: '000001'
              message_ID: '0011'
            message_body: '0101001100011100110010111011110'
                     CRC: '00011011110010010001110'
                   ACKed: 0
             isACKmessage: 1
    estimatedDopplerStart: 59.0909
      estimatedDopplerEnd: 83.0317
          estimatedDelay: 0.0282
          estimatedPhase: 2.1282

ans =

    "Results saved in MM_test_5.65_51_f0_d100_s10_c5.json"

Elapsed time is 17.081123 seconds.

.

ans =

    "Generation test signal completed."

Elapsed time is 1.012059 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

          maxPeak: 0.0070
      idStartTime: 281651
    idDopplerShift: 55
             mean: 5.7302e-09
       meanSquare: 3.0765e-09
            phase: 2.1282

MATLAB Command Window

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error no ack: received CRC 00011011110010010011110 and CRC remainder 00000000000000110111111
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

         version: "2"
   ACQUISITION_OK: 1
     TRACKING_OK: 1
   DEMODULATION_OK: 0
       SV_ID: '000001'
    message_ID: '0011'
  message_body: '0101001100011100110010111101110'
        CRC: '00011011110010010011110'
       ACKed: 0
  isACKmessage: 1

```
    estimatedDopplerStart: 59.0909
      estimatedDopplerEnd: 83.0317
          estimatedDelay: 0.0282
          estimatedPhase: 2.1282


ans =

    "Results saved in MM_test_5.98_51_f0_d100_s10_c5.json"

Elapsed time is 17.268916 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.976571 seconds.

ans =

    "Acquisition search 10.0% completed."


ans =

    "Acquisition search 20.0% completed."


ans =

    "Acquisition search 30.0% completed."


ans =
```

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

       maxPeak: 0.0056
    idStartTime: 281651
    idDopplerShift: 55
          mean: 2.9244e-09
     meanSquare: 1.9350e-09
         phase: 2.1282

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error no ack: received CRC 00011011110010010011110 and CRC remainder 00000000000000110111111
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

```
  struct with fields:

                version: "2"
          ACQUISITION_OK: 1
            TRACKING_OK: 1
        DEMODULATION_OK: 0
                  SV_ID: '000001'
             message_ID: '0011'
           message_body: '0101001100011001010111011101110'
                    CRC: '0001101111001001000011110'
                  ACKed: 0
          isACKmessage: 1
  estimatedDopplerStart: 59.0909
    estimatedDopplerEnd: 83.0317
         estimatedDelay: 0.0282
         estimatedPhase: 2.1282


ans =

    "Results saved in MM_test_6.31_51_f0_d100_s10_c5.json"

Elapsed time is 17.587522 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.955512 seconds.

ans =

    "Acquisition search 10.0% completed."
```

```
ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."
```

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0045
    idStartTime: 281651
    idDopplerShift: 55
           mean: 2.3441e-09
     meanSquare: 1.2071e-09
          phase: 2.1282

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error no ack: received CRC 0001101111001001000011110 and CRC remainder 0000000000000110111111
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

             version: "2"
      ACQUISITION_OK: 1
        TRACKING_OK: 1
     DEMODULATION_OK: 0
            SV_ID: '000001'
         message_ID: '0011'
      message_body: '01010011000111001100101011101110'
             CRC: '00011011110010010001110'
             ACKed: 0
        isACKmessage: 1
  estimatedDopplerStart: 59.0909
   estimatedDopplerEnd: 83.0317
      estimatedDelay: 0.0282
      estimatedPhase: 2.1282

ans =

    "Results saved in MM_test_6.64_51_f0_d100_s10_c5.json"

Elapsed time is 17.089830 seconds.

.

ans =

    "Generation test signal completed."

Elapsed time is 1.039109 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0867
     idStartTime: 281650
    idDopplerShift: 61
           mean: 5.9153e-08
      meanSquare: 4.9369e-07
          phase: 2.6918

```
ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =
```

"Tracker step 7: demodulated 70 symbols."

ans =

"Tracker step 8: demodulated 80 symbols."

Warning: Error. Incorrect received tail 001001.
> In MessageAnalyzer/validateAndSplitMessage (line 110)
In MessageAnalyzer/analyzeMessage (line 71)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
Warning: Error no ack: received CRC 00111010011100001010110111 and CRC remainder 10100001100101100010100
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

"Received message analyzed."

ans =

"DEMODULATION RESULT 0"

ans =

struct with fields:

version: "2"
ACQUISITION_OK: 1
TRACKING_OK: 1

```
          DEMODULATION_OK: 0
                   SV_ID: '000001'
              message_ID: '0011'
            message_body: '010100110110000011001110100'
                     CRC: '0011101001110000101101111'
                   ACKed: 0
            isACKmessage: 1
   estimatedDopplerStart: 71.2121
     estimatedDopplerEnd: 90.6238
          estimatedDelay: 0.0282
          estimatedPhase: 2.6918


ans =

    "Results saved in MM_test_2.32_102.6_f0_d100_s10_c5.json"

Elapsed time is 17.130913 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.992905 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."
```

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

       maxPeak: 0.0545
    idStartTime: 281650
  idDopplerShift: 61
          mean: 4.7238e-08
     meanSquare: 1.9017e-07
         phase: 2.6918

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

```
ans =

    "Tracker step 4: demodulated 40 symbols."


ans =

    "Tracker step 5: demodulated 50 symbols."


ans =

    "Tracker step 6: demodulated 60 symbols."


ans =

    "Tracker step 7: demodulated 70 symbols."


ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error. Incorrect received tail 001001.
> In MessageAnalyzer/validateAndSplitMessage (line 110)
In MessageAnalyzer/analyzeMessage (line 71)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
Warning: Error no ack: received CRC 00111010011000010110111 and CRC remainder 10100001100101100010100
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
```

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

                  version: "2"
          ACQUISITION_OK: 1
             TRACKING_OK: 1
         DEMODULATION_OK: 0
                   SV_ID: '000001'
              message_ID: '0011'
            message_body: '010100110110000001100111101000'
                     CRC: '0011101001110000101101111'
                    ACKed: 0
             isACKmessage: 1
    estimatedDopplerStart: 71.2121
      estimatedDopplerEnd: 90.6238
           estimatedDelay: 0.0282
           estimatedPhase: 2.6918

ans =

    "Results saved in MM_test_2.99_102.6_f0_d100_s10_c5.json"

Elapsed time is 17.827877 seconds.

.

ans =

    "Generation test signal completed."

Elapsed time is 0.990449 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

```
  "Acquisition search 60.0% completed."


ans =

  "Acquisition search 70.0% completed."


ans =

  "Acquisition search 80.0% completed."


ans =

  "Acquisition search 90.0% completed."


ans =

  "Acquisition search 100.0% completed."


ans =

  struct with fields:

       maxPeak: 0.0345
    idStartTime: 281650
  idDopplerShift: 61
          mean: 2.8572e-08
     meanSquare: 7.7330e-08
         phase: 2.6918
```

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

"Tracker step 7: demodulated 70 symbols."

ans =

"Tracker step 8: demodulated 80 symbols."

Warning: Error. Incorrect received tail 001001.
> In MessageAnalyzer/validateAndSplitMessage (line 110)
In MessageAnalyzer/analyzeMessage (line 71)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
Warning: Error no ack: received CRC 0011101001100001010110111 and CRC remainder 1010000110010110010100
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

"Received message analyzed."

ans =

"DEMODULATION RESULT 0"

ans =

struct with fields:

version: "2"
ACQUISITION_OK: 1
TRACKING_OK: 1

```
       DEMODULATION_OK: 0
                SV_ID: '000001'
           message_ID: '0011'
         message_body: '010100110110000001100111101000'
                  CRC: '0011101001110000010110111'
                ACKed: 0
         isACKmessage: 1
  estimatedDopplerStart: 71.2121
   estimatedDopplerEnd: 90.6238
        estimatedDelay: 0.0282
        estimatedPhase: 2.6918


ans =

    "Results saved in MM_test_3.65_102.6_f0_d100_s10_c5.json"

Elapsed time is 16.944910 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.981120 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."
```

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

         maxPeak: 0.0217
     idStartTime: 281650
    idDopplerShift: 61
            mean: 8.0147e-09
      meanSquare: 3.0790e-08
           phase: 2.6918

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

```
ans =

    "Tracker step 4: demodulated 40 symbols."


ans =

    "Tracker step 5: demodulated 50 symbols."


ans =

    "Tracker step 6: demodulated 60 symbols."


ans =

    "Tracker step 7: demodulated 70 symbols."


ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error. Incorrect received tail 001001.
> In MessageAnalyzer/validateAndSplitMessage (line 110)
In MessageAnalyzer/analyzeMessage (line 71)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
Warning: Error no ack: received CRC 0011101001110001011101111 and CRC remainder 1010000110010110010100
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
```

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

                 version: "2"
         ACQUISITION_OK: 1
           TRACKING_OK: 1
       DEMODULATION_OK: 0
                  SV_ID: '000001'
             message_ID: '0011'
           message_body: '0101001101100000011001101000'
                    CRC: '001110100111000010110111'
                  ACKed: 0
          isACKmessage: 1
    estimatedDopplerStart: 71.2121
    estimatedDopplerEnd: 90.6238
         estimatedDelay: 0.0282
         estimatedPhase: 2.6918

ans =

    "Results saved in MM_test_4.32_102.6_f0_d100_s10_c5.json"

Elapsed time is 17.046808 seconds.

.

ans =

    "Generation test signal completed."

Elapsed time is 1.029792 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

        maxPeak: 0.0137
     idStartTime: 281650
   idDopplerShift: 61
           mean: 7.2842e-09
      meanSquare: 1.2263e-08
          phase: 2.6918

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

"Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error. Incorrect received tail 110110.
> In MessageAnalyzer/validateAndSplitMessage (line 110)
In MessageAnalyzer/analyzeMessage (line 71)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
Warning: Error no ack: received CRC 0011101001100010110111 and CRC remainder 1010000110010110010100
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

        version: "2"
    ACQUISITION_OK: 1
      TRACKING_OK: 1

```
               DEMODULATION_OK: 0
                         SV_ID: '000001'
                    message_ID: '0011'
                  message_body: '0101001101100000001100111101000'
                           CRC: '0011101001110000101101111'
                         ACKed: 0
                 isACKmessage: 1
        estimatedDopplerStart: 71.2121
          estimatedDopplerEnd: 90.6238
               estimatedDelay: 0.0282
               estimatedPhase: 2.6918


ans =

    "Results saved in MM_test_4.98_102.6_f0_d100_s10_c5.json"

Elapsed time is 16.962372 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 1.071788 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."
```

```
ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."
```

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

         maxPeak: 0.0108
     idStartTime: 281650
    idDopplerShift: 61
            mean: 6.9184e-09
       meanSquare: 7.6856e-09
           phase: 2.6918

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error. Incorrect received tail 001001.
> In MessageAnalyzer/validateAndSplitMessage (line 110)
In MessageAnalyzer/analyzeMessage (line 71)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
Warning: Error no ack: received CRC 001110100111000010110111 and CRC remainder 101000001100101100010100
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

                    version: "2"
            ACQUISITION_OK: 1
               TRACKING_OK: 1
           DEMODULATION_OK: 0
                     SV_ID: '000001'
                message_ID: '0011'
              message_body: '0101001101100000011001101000'
                       CRC: '0011101001110000101101111'
                     ACKed: 0
             isACKmessage: 1
    estimatedDopplerStart: 71.2121
      estimatedDopplerEnd: 90.6238
           estimatedDelay: 0.0282
           estimatedPhase: 2.6918

ans =

    "Results saved in MM_test_5.32_102.6_f0_d100_s10_c5.json"

Elapsed time is 17.110349 seconds.

.

ans =

    "Generation test signal completed."

Elapsed time is 0.984967 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

       maxPeak: 0.0086
    idStartTime: 281650
    idDopplerShift: 61
          mean: 1.1899e-08
     meanSquare: 4.9129e-09
         phase: 2.6918

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

"Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error. Incorrect received tail 110110.
> In MessageAnalyzer/validateAndSplitMessage (line 110)
In MessageAnalyzer/analyzeMessage (line 71)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
Warning: Error no ack: received CRC 00111010011100001010110111 and CRC remainder 10100001100101100010100
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

    struct with fields:

        version: "2"
        ACQUISITION_OK: 1
        TRACKING_OK: 1

```
       DEMODULATION_OK: 0
                SV_ID: '000001'
           message_ID: '0011'
         message_body: '010100110110000001100111101000'
                  CRC: '0011101001110000101101111'
                ACKed: 0
         isACKmessage: 1
  estimatedDopplerStart: 71.2121
   estimatedDopplerEnd: 90.6238
        estimatedDelay: 0.0282
        estimatedPhase: 2.6918


ans =

    "Results saved in MM_test_5.65_102.6_f0_d100_s10_c5.json"

Elapsed time is 16.967578 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 0.991351 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."
```

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

       maxPeak: 0.0069
    idStartTime: 281650
  idDopplerShift: 61
          mean: 1.2025e-09
      meanSquare: 3.0643e-09
          phase: 2.6918

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error. Incorrect received tail 001001.
> In MessageAnalyzer/validateAndSplitMessage (line 110)
In MessageAnalyzer/analyzeMessage (line 71)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
Warning: Error no ack: received CRC 00111010011100010110111 and CRC remainder 10100001100101100010100
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

                version: "2"
        ACQUISITION_OK: 1
          TRACKING_OK: 1
      DEMODULATION_OK: 0
              SV_ID: '000001'
          message_ID: '0011'
       message_body: '0101001101100000011001101000'
               CRC: '0011101001110000101101111'
               ACKed: 0
         isACKmessage: 1
  estimatedDopplerStart: 71.2121
   estimatedDopplerEnd: 90.6238
       estimatedDelay: 0.0282
       estimatedPhase: 2.6918

ans =

    "Results saved in MM_test_5.98_102.6_f0_d100_s10_c5.json"

Elapsed time is 17.156022 seconds.

.

ans =

　　"Generation test signal completed."

Elapsed time is 0.989178 seconds.

ans =

　　"Acquisition search 10.0% completed."

ans =

　　"Acquisition search 20.0% completed."

ans =

　　"Acquisition search 30.0% completed."

ans =

　　"Acquisition search 40.0% completed."

ans =

　　"Acquisition search 50.0% completed."

ans =

"Acquisition search 60.0% completed."

ans =

"Acquisition search 70.0% completed."

ans =

"Acquisition search 80.0% completed."

ans =

"Acquisition search 90.0% completed."

ans =

"Acquisition search 100.0% completed."

ans =

  struct with fields:

         maxPeak: 0.0055
     idStartTime: 281650
   idDopplerShift: 61
            mean: 7.7201e-10
      meanSquare: 1.9387e-09
           phase: 2.6918

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

"Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error. Incorrect received tail 110110.
> In MessageAnalyzer/validateAndSplitMessage (line 110)
In MessageAnalyzer/analyzeMessage (line 71)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
Warning: Error no ack: received CRC 0011101001100010110111 and CRC remainder 1010000110010110010100
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

            version: "2"
    ACQUISITION_OK: 1
       TRACKING_OK: 1

```
        DEMODULATION_OK: 0
                 SV_ID: '000001'
            message_ID: '0011'
          message_body: '0101001101100000011001110110001'
                   CRC: '0011101001110000010110111'
                 ACKed: 0
          isACKmessage: 1
 estimatedDopplerStart: 71.2121
   estimatedDopplerEnd: 90.6238
        estimatedDelay: 0.0282
        estimatedPhase: 2.6918


ans =

    "Results saved in MM_test_6.31_102.6_f0_d100_s10_c5.json"

Elapsed time is 17.856786 seconds.
.
ans =

    "Generation test signal completed."

Elapsed time is 1.018768 seconds.

ans =

    "Acquisition search 10.0% completed."

ans =

    "Acquisition search 20.0% completed."
```

ans =

    "Acquisition search 30.0% completed."

ans =

    "Acquisition search 40.0% completed."

ans =

    "Acquisition search 50.0% completed."

ans =

    "Acquisition search 60.0% completed."

ans =

    "Acquisition search 70.0% completed."

ans =

    "Acquisition search 80.0% completed."

ans =

    "Acquisition search 90.0% completed."

ans =

    "Acquisition search 100.0% completed."

ans =

  struct with fields:

         maxPeak: 0.0043
     idStartTime: 281650
    idDopplerShift: 61
            mean: 3.2125e-09
      meanSquare: 1.2251e-09
           phase: 2.6918

ans =

    "Tracker step 1: demodulated 10 symbols."

ans =

    "Tracker step 2: demodulated 20 symbols."

ans =

    "Tracker step 3: demodulated 30 symbols."

ans =

    "Tracker step 4: demodulated 40 symbols."

ans =

    "Tracker step 5: demodulated 50 symbols."

ans =

    "Tracker step 6: demodulated 60 symbols."

ans =

    "Tracker step 7: demodulated 70 symbols."

ans =

    "Tracker step 8: demodulated 80 symbols."

Warning: Error. Incorrect received tail 001001.
> In MessageAnalyzer/validateAndSplitMessage (line 110)
In MessageAnalyzer/analyzeMessage (line 71)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)
Warning: Error no ack: received CRC 0011101001110001011011 and CRC remainder 10100001100101100101100
> In MessageAnalyzer/analyzeMessage (line 85)
In RECEIVER (line 259)
In RECEIVERTest/globalTest (line 109)

ans =

    "Received message analyzed."

ans =

    "DEMODULATION RESULT 0"

ans =

  struct with fields:

                  version: "2"
          ACQUISITION_OK: 1
             TRACKING_OK: 1
         DEMODULATION_OK: 0
                   SV_ID: '000001'
              message_ID: '0011'
            message_body: '0101001101100000011001110100'
                     CRC: '0011101001110000101101111'
                   ACKed: 0
             isACKmessage: 1
    estimatedDopplerStart: 71.2121
     estimatedDopplerEnd: 90.6238
          estimatedDelay: 0.0282
          estimatedPhase: 2.6918

ans =

    "Results saved in MM_test_6.64_102.6_f0_d100_s10_c5.json"

Elapsed time is 17.079152 seconds.

.
Done RECEIVERTest
_____

ans =

1×1200 TestResult array with properties:

    Name
    Passed
    Failed
    Incomplete
    Duration
    Details

Totals:
    1200 Passed, 0 Failed, 0 Incomplete.
    22968.6674 seconds testing time.

>>