

## KUWAIT

### Kuwait CS

Frequency : 295 kHz  
Broadcast station ID : 141  
Ref. station 1 ID: 482  
Ref. station 2 ID: 483  
Reference Point co-ordinates  
29 07' 12.703" N  
48 08' 12.046" E

## BAHRAIN

### Bahrain CS

Frequency : 298 kHz  
Broadcast station ID : 140  
Ref. station 1 ID: 480  
Ref. station 2 ID: 481  
Reference Point co-ordinates  
26 07' 22.6906" N  
50 37' 47.2543" E

### Munayyif CS

Frequency : 314kHz  
Broadcast station ID : 143  
Ref. station 1 ID: 486  
Ref. station 2 ID: 487  
Reference Point co-ordinates  
24 05' 51.0969" N  
52 55' 41.3711" E

### Ras Al Khaimah CS

Frequency : 292 kHz  
Broadcast station ID : 142  
Ref. station 1 ID: 484  
Ref. station 2 ID: 485  
Reference Point co-ordinates  
25 58' 34.9338" N  
56 03' 50.2199" E

## OVERVIEW

The system was constructed by MENAS in 1997 under IALA specifications & recommendations. The Service is operated by MENAS for the benefit of the regional and international maritime communities.

The MENAS DGPS System is unencrypted, making it free in air to all users. Further details are available by contacting MENAS Maritime Operations Centre. [info@menas.com.bh](mailto:info@menas.com.bh)

