



IRNSS (NavIC) Receiver

ADTL IRNSS (NavIC) Receiver is designed to receive signals from L5 band frequency 1176.45 MHz of IRNSS. The receiver provides high-precision positioning. 12-Channel Parallel for simultaneous reception of 12 satellites.

IRNSS (NavIC) Specifications

- Receiver type: Multichannel all-in-view
- Frequency: 1176.45 MHz \pm 1MHz
- Sensitivity: -143dBm for acquisition, -155dBm for tracking
- Accuracy: 13m 2DRMS
- Time to first fix: Typically, 90 seconds
- Position update: Normally every 5 second
- Input voltage: 5 VDC
- NMEA0183 Output

Obtained IRNSS Result

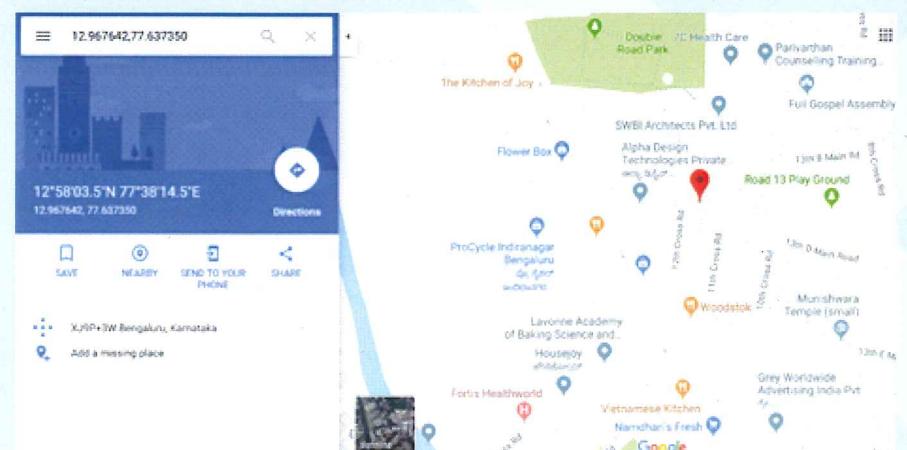
```

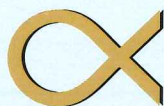
CH   PRN   SNR   RSSI   GAIN   BITS   WDOG   SUB
1     2     94   1405    -1     15     0   4321  #####
2     3    105   1583    -1     6      0   4321  #####
3     4     80   1170     0    11     0   4321  #####
4     5     55   1252     0     0      0   4321  #####
5     6     40    904     0   599     9   4321  #####
6     7     63   983      0     7     0   4321  #####
7     9     98   1238     0    21     0   4321  #####
8 *   8     12
9
10
11
12

GOOD 6 sats
LAT 12.96764d N      12d 58m 3.512s N      12d 58.059m N
LON 77.63735d E      77d 38m 14.461s E      77d 38.241m E
ALT 840 m
TIME Fri 06:50:46 GPST
FIXES 26
ITFF 1:38
RUN 18:37

```

Google Map Results for Obtained Latitude & Longitude





ALPHA DESIGN
TECHNOLOGIES PVT LTD

GPS Receiver

ADTL GPS Receiver is designed to receive signals L1 band frequency 1575.42 MHz of GPS. The receiver provides high-precision positioning. 12-Channel Parallel for simultaneous reception of 12 satellites.

GPS Specifications

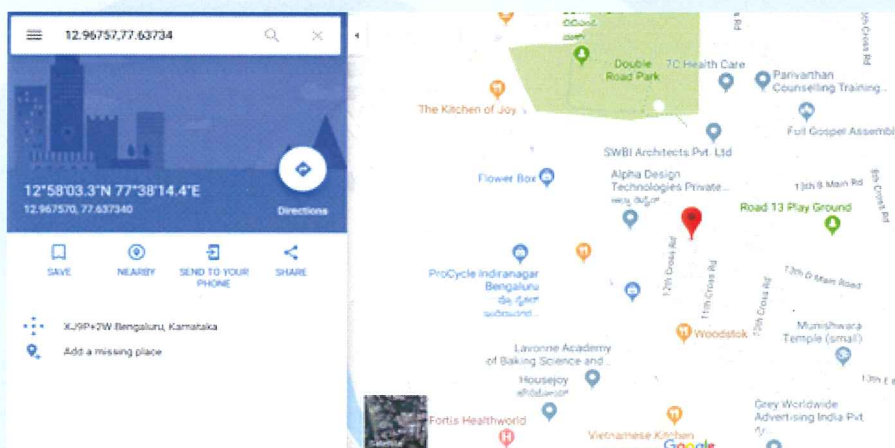
- Receiver type: Multichannel all-in-view
- Frequency: 1575.42MHz \pm 1MHz (C/A code)
- Sensitivity: -140dBm for acquisition, -150dBm for tracking
- Accuracy: 15m 2DRMS (C/A code)
- Time to first fix: Typically, 90 seconds
- Position update: Normally every 5 second
- Input voltage: 5 VDC
- NMEA0183 Output

Obtained IRNSS Result

```
CH  PRN  SNR  RSSI  GAIN  BITS  WDOG  SUB
1    10   123  1236    0    70    1  54321  #####
2    14   22  1259    0    66    1  54321  #####
3    31  142  1973   -1    78    1  54321  #####
4    26   58  2299   -1    82    1  54321  #####
5    32   34  1438   -1    75    1  54321  #####
6 *  24   12                 1  54321  #####
7    22   27  1407   -1    72    1  54321  #####
8
9
10   16   19  3766   -1    81    1  54321  #####
11
12

GOOD 7 sats
LAT 12.96757d N  12d 58m 3.253s N  12d 58.051m N
LON 77.63734d E  77d 38m 14.407s E  77d 38.240m E
ALT 809 m
TIME Sat 12:06:49 GPST
FIXES 306
TTFF 1:128
RDN 51:55
```

Google Map Results for Obtained Latitude & Longitude



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