

**INSTRUMENT** AERODROME ELEV 406 FT  
**APPROACH** HEIGHTS RELATED TO  
**CHART - ICAO** THR RWY 23 - ELEV 392 FT  
 BARO-VNAV NA BELOW 0°C

APP : 123.5 , 257.8  
 TWR : 119.9 , 274.5  
 GND : 121.9 , 275.8

**UBON RATCHATHANI /**  
**Ubon Ratchathani (VTUU)**  
**RNAV (GNSS) RWY23**

| Serial Number | Path Descriptor | Waypoint Identifier | WGS-84 Coordinates |                | Flyover | Course<br>' M (° T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (FT) | Speed (KT) | VPA/TCH | Navigation Specification |
|---------------|-----------------|---------------------|--------------------|----------------|---------|---------------------|--------------------|---------------|----------------|---------------|------------|---------|--------------------------|
|               |                 |                     | Latitude           | Longitude      |         |                     |                    |               |                |               |            |         |                          |
| 001           | IF              | POSAI (IAF)         | 15 21 52.72 N      | 105 22 06.99 E | -       | 274*(273.09°)       | 0.83               | 19.1          | -              | 5000          | -          | -       | RNP APCH                 |
| 002           | IF              | NUMFA (IAF)         | 15 13 00.71 N      | 105 22 56.83 E | -       | 297*(296.35°)       | 0.83               | 22.2          | -              | 5000          | -          | -       | RNP APCH                 |
| 003           | IF              | KATB (IAF)          | 15 08 28.67 N      | 104 31 17.73 E | -       | 052*(051.68°)       | 0.83               | 32.4          | -              | 5000          | -          | -       | RNP APCH                 |
| 004           | IF              | PANIN (IAF)         | 15 12 51.92 N      | 104 36 33.08 E | -       | 053*(052.33°)       | 0.83               | 25.7          | -              | 5000          | -          | -       | RNP APCH                 |
| 005           | IF              | JUMPA (IAF)         | 15 21 31.74 N      | 104 38 06.52 E | -       | 070*(069.39°)       | 0.83               | 20.1          | -              | 5000          | -          | -       | RNP APCH                 |
| 006           | IF              | TAEPA (IAF)         | 15 24 18.58 N      | 104 39 59.05 E | -       | 077*(075.78°)       | 0.83               | 17.6          | -              | 5000          | -          | -       | RNP APCH                 |
| 007           | TF              | NANOI               | 15 28 38.06 N      | 104 57 38.09 E | -       | 142*(141.45°)       | 0.83               | 7.3           | R              | 5000          | -          | -       | RNP APCH                 |
| 008           | TF              | KANYA (IF)          | 15 22 53.99 N      | 105 02 20.58 E | -       | 232*(231.49°)       | 0.83               | 6.4           | L, R           | 3300          | -          | -       | RNP APCH                 |
| 009           | TF              | UBPNF (FAF)         | 15 18 53.96 N      | 104 57 09.73 E | -       | 232*(231.49°)       | 0.83               | 5.3           | -              | 2200          | -          | -       | RNP APCH                 |
| 010           | -               | MAPt (THR 23)       | 15 15 35.02 N      | 104 52 52.20 E | Y       | -                   | 0.83               | -             | -              | 830           | -          | -       | RNP APCH                 |
| 011           | CA              | -                   | -                  | -              | -       | -                   | 0.83               | -             | R              | 1400          | -          | -       | RNP APCH                 |
| 012           | DF              | KANYA (IF)          | 15 22 53.99 N      | 105 02 20.58 E | -       | -                   | 0.83               | -             | -              | -             | -          | -       | RNP APCH                 |
| 013           | HM              | KANYA (IF)          | 15 22 53.99 N      | 105 02 20.58 E | Y       | 232*(231.49°)       | 0.83               | -             | L              | -             | 230        | -       | RNP APCH                 |