

| Type of aid<br>MAG VAR<br>Type of<br>supported OPS<br>VOR/ILS/MLS<br>declination | ID   | Frequency/<br>Channel<br>service provider<br>RPI | Hours of<br>operation | Position of<br>transmitting<br>antenna<br>coordinates | Elevation of<br>DME<br>transmitting<br>antenna | Service<br>volume<br>radius<br>GBAS | Remarks                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------|------|--------------------------------------------------|-----------------------|-------------------------------------------------------|------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                | 2    | 3                                                | 4                     | 5                                                     | 6                                              | 7                                   | 8                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Muenchen</b><br>ILS 26L (CAT III)<br>LOC<br>(3° E/2021)                       | IMSW | 108.30 MHz                                       | H24                   | N 48 20 22.66<br>E 011 44 15.06                       |                                                | -                                   | Usable:<br>Up to 13.6 NM in the area 022°(L)/026°(R)<br>in relation to RCL<br>MIN interception altitude: 3350 ft MSL.<br>From 13.6 NM to 17 NM in the area<br>022°(L)/026°(R) in relation to RCL<br>MIN interception altitude: 3800 ft MSL.<br>From 17 NM to 25 NM in the area 010°(L)/<br>010°(R) in relation to RCL<br>MIN interception altitude: 3800 ft MSL.                            |
| GP                                                                               | -    | 334.10 MHz                                       | H24                   | N 48 20 34.26<br>E 011 48 01.61                       |                                                | -                                   | Usable up to 15 NM BTN 8°(L) and 8°(R) of<br>RCL.                                                                                                                                                                                                                                                                                                                                           |
| DME                                                                              | IMSW | CH20x<br>(108.30 MHz *)                          | H24                   | N 48 20 34.28<br>E 011 48 01.60                       | 1472                                           | -                                   | Operational coverage<br>sector 048°–118°: 25 NM, 10000 ft MSL<br>The DME may only be used for the<br>published approach and departure<br>procedures.<br>* Ghost frequency                                                                                                                                                                                                                   |
| <b>Muenchen</b><br>ILS 26R (CAT III)<br>LOC<br>(3° E/2021)                       | IMNW | 108.70 MHz                                       | H24                   | N 48 21 42.24<br>E 011 45 14.91                       |                                                | -                                   | Usable:<br>Up to 13.6 NM in the area 035°(L)/035°(R)<br>in relation to RCL<br>MIN interception altitude: 3920 ft MSL.<br>From 13.6 NM to 17 NM in the area<br>035°(L)/035°(R) in relation to RCL<br>MIN interception altitude: 4500 ft MSL.<br>From 17 NM to 25 NM in the area 009°(L)/<br>010°(R) in relation to RCL<br>MIN interception altitude: 3500 ft MSL.<br>When RWY 26R is in use. |
| GP                                                                               | -    | 330.50 MHz                                       | H24                   | N 48 22 05.38<br>E 011 48 59.46                       |                                                | -                                   | Usable up to 15 NM BTN 8°(L) and 8°(R) of<br>RCL.                                                                                                                                                                                                                                                                                                                                           |
| DME                                                                              | IMNW | CH24x<br>(108.70 MHz *)                          | H24                   | N 48 22 05.40<br>E 011 48 59.44                       | 1448                                           | -                                   | Operational coverage<br>sector 048°–118°: 25 NM, 10000 ft MSL<br>The DME may only be used for the<br>published approach and departure<br>procedures.<br>* Ghost frequency                                                                                                                                                                                                                   |
| <b>Muenchen</b><br>DME                                                           | DMN  | CH107x<br>(116.00 MHz *)                         | H24                   | N 48 22 00.76<br>E 011 47 38.44                       | 1480                                           | -                                   | Operational coverage<br>sector 0°–360°: 25 NM, FL 100<br>DME unusable in sector 345°–350°:<br>below<br>22 – 25 NM 10000 ft MSL<br>* Ghost frequency                                                                                                                                                                                                                                         |
| <b>Muenchen</b><br>DME                                                           | DMS  | CH97x<br>(115.00 MHz *)                          | H24                   | N 48 20 26.48<br>E 011 46 41.41                       | 1505                                           | -                                   | Operational coverage<br>sector 0°–360°: 25 NM, FL 100<br>DME unusable in sector 0°–360°:<br>below<br>0 – 10 NM 2600 ft MSL<br>10 – 20 NM 3800 ft MSL<br>20 – 25 NM 4500 ft MSL<br>* Ghost frequency                                                                                                                                                                                         |
| LO                                                                               | MNE  | 369.00 KHz                                       | H24                   | N 48 21 19.45<br>E 011 40 33.52                       |                                                | -                                   | Operational range<br>sector 0°–360°: 25 NM<br>unusable:<br>in sector from station<br>130°–170° 20 NM<br>170°–130° 25 NM<br>83°, 3.71 NM THR 08L                                                                                                                                                                                                                                             |