

| 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>Hamburg</b>   |              |  |                       |   |  |                                     |  |
| ILS 05 (CAT I)   |              |  |                       |   |  |                                     |  |
| LOC<br>(4° E/2025)   | IHHE         | 110.50 MHz                                       | H24                   | N 53 38 18.67<br>E 010 00 17.05                       |  | -                                   | Usable:<br>Up to 10.9 NM in the area 030°(L)/030°(R)<br>in relation to RCL<br>MIN interception altitude: 1630 ft MSL.<br>From 10.9 NM to 17 NM in the area<br>030°(L)/030°(R) in relation to RCL<br>MIN interception altitude: 2500 ft MSL.<br>From 17 NM to 25 NM in the area 006°(L)/<br>006°(R) in relation to RCL<br>MIN interception altitude: 2500 ft MSL. |
| GP   | -            | 329.60 MHz                                       | H24                   | N 53 37 15.66<br>E 009 58 19.71                       |  | -                                   |  |
| MM   | dot-<br>dash | 75.00 MHz  | H24                   | N 53 36 52.93<br>E 009 57 24.22                       |  | -                                   | 0.49 NM THR 05   |
| <b>Hamburg</b>   |              |  |                       |   |  |                                     |  |
| ILS 15 (CAT I)   |              |  |                       |   |  |                                     |  |
| LOC<br>(4° E/2025)   | IHHS         | 109.55 MHz                                       | H24                   | N 53 37 23.65<br>E 010 00 07.74                       |  | -                                   | Usable:<br>Up to 11.2 NM in the area 031°(L)/028°(R)<br>in relation to RCL<br>MIN interception altitude: 1410 ft MSL.<br>From 11.2 NM to 17 NM in the area<br>031°(L)/028°(R) in relation to RCL<br>MIN interception altitude: 2100 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: 2100 ft MSL. |
| GP   | -            | 332.45 MHz                                       | H24                   | N 53 39 05.17<br>E 009 58 32.68                       |  | -                                   |  |
| DME  | IHHS         | CH32y<br>(109.55 MHz *)                          | H24                   | N 53 39 05.19<br>E 009 58 32.72                       | 55   | -                                   | * Ghost frequency  |
| <b>Hamburg</b>   |              |  |                       |   |  |                                     |  |
| ILS 23 (CAT III)   |              |  |                       |   |  |                                     |  |
| LOC<br>(4° E/2025)   | IHHW         | 111.30 MHz                                       | H24                   | N 53 36 57.14<br>E 009 57 32.05                       |  | -                                   | Usable:<br>Up to 11 NM in the area 035°(L)/035°(R) in<br>relation to RCL<br>MIN interception altitude: 1380 ft MSL.<br>From 11 NM to 17 NM in the area 035°(L)/<br>035°(R) in relation to RCL<br>MIN interception altitude: 2000 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: 2000 ft MSL.    |
| GP   | -            | 332.30 MHz                                       | H24                   | N 53 38 07.18<br>E 009 59 38.90                       |  | -                                   |  |
| DME  | IHHW         | CH50x<br>(111.30 MHz *)                          | H24                   | N 53 38 07.15<br>E 009 59 38.85                       | 46   | -                                   | * Ghost frequency  |