

EDSB AD 2.19 Radio navigation and landing aids

Type of aid MAG VAR Type of supported OPS VOR/ILS/MLS declination	ID	Frequency/ Channel/ service provider RPI	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Service volume radius GBAS	Remarks
1	2	3	4	5	6	7	8
Karlsruhe DVOR/DME (1° E/2012)	KRH	115.95 MHz CH106y	H24	N 48 59 34.60 E 008 35 03.25	909	-	Operational coverage sector 068°–315°: 60 NM, 50000 ft MSL sector 315°–068°: 40 NM, 50000 ft MSL The DVOR may only be used for the radials in the published en-route, approach and departure procedures and is not permitted for area navigation. DME unusable in sector 068°–315°: below <hr/> 0 – 10 NM 4000 ft MSL 10 – 20 NM 7200 ft MSL 20 – 30 NM 10600 ft MSL 30 – 40 NM 14000 ft MSL 40 – 50 NM 17700 ft MSL 50 – 60 NM 21400 ft MSL DME unusable in sector 315°–068°: below <hr/> 0 – 10 NM 2000 ft MSL 10 – 20 NM 3300 ft MSL 20 – 30 NM 4700 ft MSL 30 – 40 NM 6200 ft MSL
Karlsruhe/Baden-Baden ILS 03 (CAT I)							
LOC (3° E/2024)	IKBE	109.95 MHz	H24	N 48 47 33.74 E 008 05 34.86		-	Usable: Up to 12.7 NM in the area 032°(L)/032°(R) in relation to RCL MIN interception altitude: 2730 ft MSL. From 12.7 NM to 17 NM in the area 032°(L)/032°(R) in relation to RCL MIN interception altitude: 3500 ft MSL. From 17 NM to 25 NM in the area 010°(L)/010°(R) in relation to RCL MIN interception altitude: 3500 ft MSL.
GP	-	333.65 MHz	H24	N 48 46 22.49 E 008 04 20.88		-	
OM	dashes	75.00 MHz	H24	N 48 42 48.12 E 008 01 06.56		-	3.99 NM THR 03
MM	dot-dash	75.00 MHz	H24	N 48 45 39.43 E 008 03 45.44		-	0.64 NM THR 03
Karlsruhe/Baden-Baden ILS 21 (CAT III)							
LOC (3° E/2024)	IKBW	109.10 MHz	H24	N 48 45 57.74 E 008 04 04.91		-	Usable: Up to 12.7 NM in the area 035°(L)/030°(R) in relation to RCL MIN interception altitude: 2210 ft MSL. From 12.7 NM to 17 NM in the area 035°(L)/030°(R) in relation to RCL MIN interception altitude: 2800 ft MSL. From 17 NM to 25 NM in the area 010°(L)/010°(R) in relation to RCL MIN interception altitude: 2800 ft MSL.
GP	-	330.35 MHz	H24	N 48 47 13.60 E 008 05 09.07		-	
OM	dashes	75.00 MHz	H24	N 48 50 31.46 E 008 08 22.49		-	3.76 NM THR 21
MM	dot-dash	75.00 MHz	H24	N 48 47 52.88 E 008 05 51.40		-	0.64 NM THR 21
Karlsruhe/Baden-Baden DME	KBD	CH105x (115.80 MHz *)	H24	N 48 46 48.81 E 008 05 18.55	483	-	Operational coverage sector 0°–360°: 25 NM, FL 250 DME unusable in sector 080°–120°: below <hr/> beyond 10 NM 5000 ft MSL beyond 21 NM 7000 ft MSL * Ghost frequency