

EDDF AD 2.19 Radio navigation and landing aids

Type of aid MAG VAR Type of supported OPS VOR/ILS/MLS <i>declination</i>	ID	Frequency/ Channel service provider RPI	Hours of operation	Position of transmitting antenna/ GBAS reference point coordinates	Elevation of DME transmitting antenna/ elevation GBAS reference point	Service volume radius from GBAS- reference point (NM)	Remarks
1	2	3	4	5	6	7	8
Charlie DME	CHA	CH100y (115.35 MHz *)	H24	N 49 55 15.97 E 009 02 23.34	529	-	Operational coverage sector 235°–250°: 57 NM, 25000 ft MSL sector 250°–235°: 60 NM, 25000 ft MSL DME unusable in sector 120°–280°: below 0 – 10 NM 3000 ft MSL 10 – 20 NM 5700 ft MSL 20 – 30 NM 8400 ft MSL 30 – 40 NM 11300 ft MSL 40 – 50 NM 14400 ft MSL 50 – 57 NM 16600 ft MSL DME unusable in sector 280°–120°: below 0 – 10 NM 1600 ft MSL 10 – 20 NM 2900 ft MSL 20 – 30 NM 4300 ft MSL 30 – 40 NM 5800 ft MSL 40 – 50 NM 7500 ft MSL 50 – 57 NM 9300 ft MSL * Ghost frequency
Frankenstein DVOR/DME (2° E/2021)	FKS	117.50 MHz CH122x	H24	N 49 47 27.50 E 008 32 32.50	344	-	Operational coverage sector 045°–225°: 60 NM, 50000 ft MSL sector 225°–045°: 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 045°–225°: below 0 – 10 NM 2900 ft MSL 10 – 20 NM 5700 ft MSL 20 – 30 NM 8600 ft MSL 30 – 40 NM 11600 ft MSL 40 – 50 NM 14800 ft MSL 50 – 60 NM 18100 ft MSL DME unusable in sector 225°–045°: below 0 – 10 NM 1900 ft MSL 10 – 20 NM 3700 ft MSL 20 – 30 NM 5600 ft MSL 30 – 40 NM 7600 ft MSL