

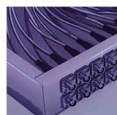


Competence in
Communication
Technologies

Azimuth/elevation angle

Astra 19.2° East

	Location		Astra	
	geogr. coord.		19.2° East	
City	Latitude	Longitude	Az / °	El / °
Bad Reichenhall	47.7	12.9	171.5	34.9
Berlin	52.5	13.4	172.7	29.7
Bremen	53.1	8.8	167.1	28.6
Cottbus	51.8	14.3	173.8	30.6
Dortmund	51.5	7.5	165.1	30.0
Dresden	51.1	13.7	173.0	31.3
Emden	53.4	7.2	165.2	28.1
Erfurt	51.0	11.0	169.5	31.1
Flensburg	54.8	9.5	168.1	26.9
Frankfurt/Main	50.1	8.7	166.4	31.7
Freiburg/BaWü	48.0	7.8	164.9	33.8
Göttingen	51.2	9.9	168.2	30.5
Greifswald	54.1	13.4	172.8	28.0
Hamburg	53.6	10.0	168.6	28.3
Hannover	52.4	9.8	168.2	29.5
Kassel	51.3	9.4	167.6	30.6
Kiel	54.3	10.1	168.9	27.5
Koblenz	50.3	7.5	164.9	31.3
Leipzig	51.3	12.4	171.3	30.9
Lübeck	53.9	10.7	169.5	28.0
Magdeburg	52.1	11.6	170.4	30.0
München	48.1	11.6	169.8	34.2
Neubrandenburg	53.6	13.3	172.6	28.6
Nürnberg	49.5	11.1	169.3	32.8
Osnabrück	52.3	8.1	166.0	29.3
Passau	48.6	13.5	172.4	34.0
Plauen	50.5	12.1	170.9	31.8
Ravensburg	47.8	9.6	167.1	34.3
Regensburg	49.0	12.1	170.6	33.4
Rostock	54.1	12.1	171.3	27.9
Schwerin	53.6	11.4	170.3	28.4
Stuttgart	48.8	9.2	166.8	33.2
Trier	49.8	6.7	163.7	31.7
Ulm	48.4	10.0	167.7	33.7



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