## SES-5

### TV Program – DW English HD

**Direct-to-Home**

<table>
<thead>
<tr>
<th>Position</th>
<th>5° East</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transponder</td>
<td>4.958</td>
</tr>
<tr>
<td>Frequency</td>
<td>12,054 GHz</td>
</tr>
<tr>
<td>Polarization</td>
<td>vertical</td>
</tr>
<tr>
<td>FEC</td>
<td>3/4</td>
</tr>
<tr>
<td>Symbolrate</td>
<td>30,000 MSymbols/s</td>
</tr>
<tr>
<td>Modulation</td>
<td>BPSK / DVB-S2</td>
</tr>
<tr>
<td>Video Standard</td>
<td>1920x1080/50i</td>
</tr>
<tr>
<td>Video Compression</td>
<td>MPEG4 (h.264)</td>
</tr>
<tr>
<td>Audio Compression</td>
<td>MPEG-1/Layer 2</td>
</tr>
<tr>
<td>Encryption</td>
<td>-</td>
</tr>
<tr>
<td>Additional Data Services</td>
<td>EIT / EPG</td>
</tr>
<tr>
<td>TV Channel</td>
<td>DW English HD</td>
</tr>
</tbody>
</table>

**Radio Channel**

Reception may be possible even beyond these contours

<table>
<thead>
<tr>
<th>Diameter of satellite receiving antenna in meter (approximate values) for Direct-to-Home</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.8 m</td>
</tr>
</tbody>
</table>

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**Important technical remark:** The diameters of the antennas are calculated for perfect weather conditions (clear sky), assuming perfectly aligned high quality antennas. Commonly used wire mesh antennas have a lower efficiency than solid dishes. To secure the reception, it is advisable to generally choose a diameter about 20% larger.

All information may be subject to change. | As of December 2020 | dw.com/programguide