

| Benennung                         | Frequenzbereich | Wellenlänge       |
|-----------------------------------|-----------------|-------------------|
| ELF<br>(extremely low frequency)  | 0-3 kHz         | $\infty$ - 100 km |
| VLF<br>(very low frequency)       | 3-30 kHz        | 100-10 km         |
| LF<br>(low frequency)             | 30-300kHz       | 10-1 km           |
| MF<br>(medium frequency)          | 300kHz-3MHz     | 1km-100m          |
| HF<br>(high frequency)            | 3-30 MHz        | 100m-10 m         |
| VHF<br>(very high frequency)      | 30-300 MHz      | 10-1 m            |
| UHF<br>(ultra high frequency)     | 300 MHz-3 GHz   | 1m-10 cm          |
| SHF<br>(super high frequency)     | 3-30 GHz        | 10-1 cm           |
| EHF<br>(extremely high frequency) | 30-300 GHz      | 1cm-1mm           |
| IR                                | 0,3-385 THz     | 1000-0.78 mm      |
|                                   | 385-750 THz     | 780-400 nm        |
| UV                                | 750-3000 THz    | 400-100 nm        |
| (X, Gamma)                        | > 3000 THz      | < 100 nm          |