

Astra 19.2°

| Nr. | Programmname | Freq. | Pol | Sym |
|-----|------------------|-------|-----|-------|
| 1 | Das Erste HD | 11494 | H | 22k |
| 2 | ZDF HD | 11362 | H | 22k |
| 3 | SWR RP HD | 11494 | H | 22k |
| 4 | RTL (HD+) | 12188 | H | 27,5k |
| | | 10832 | H | 22k |
| 5 | RTL II (HD+) | 12188 | H | 27,5k |
| | | 10832 | H | 22k |
| 6 | Super RTL (HD+) | 12188 | H | 27,5k |
| | | 11082 | H | 22k |
| 7 | Sat.1 (HD+) | 12545 | H | 22k |
| | | 11464 | H | 22k |
| 8 | ProSieben (HD+) | 12545 | H | 22k |
| | | 11464 | H | 22k |
| 9 | kabel eins (HD+) | 12545 | H | 22k |
| | | 11464 | H | 22k |
| 10 | 3sat HD | 11347 | H | 22k |
| 11 | WDR HD | 11523 | H | 22k |
| 12 | BR Süd HD | 11582 | H | 22k |
| 13 | hr-fernsehen HD | 10891 | H | 22k |
| 14 | NDR FS HD | 11582 | H | 22k |
| 15 | MDR HD | 10891 | H | 22k |
| 16 | SR Fernsehen HD | 11053 | H | 22k |
| 17 | ARD-alpha HD | 11053 | H | 22k |
| 18 | rbb Berlin HD | 10891 | H | 22k |
| 19 | VOX (HD+) | 12188 | H | 27,5k |
| | | 10832 | H | 22k |
| 20 | Tele 5 (HD+) | 12480 | V | 27,5k |
| | | 12574 | H | 22k |
| 21 | DMAX (HD+) | 12480 | V | 27,5k |
| | | 12574 | H | 22k |
| 22 | SIXX (HD+) | 12460 | H | 27,5k |
| | | 11464 | H | 22k |

HD+
DVB-S
DVB-S2

| Nr. | Programmname | Freq. | Pol | Sym |
|-----|----------------------|-------|-----|-------|
| 23 | Nitro (HD+) | 12188 | H | 27,5k |
| | | 11082 | H | 22k |
| 24 | RTL plus | 12188 | H | 27,5k |
| 25 | Sat.1 Gold (HD+) | 12545 | H | 22k |
| | | 11112 | H | 22k |
| 26 | Pro7 MAXX (HD+) | 12545 | H | 22k |
| | | 11464 | H | 22k |
| 27 | Sport 1 (HD+) | 12480 | V | 27,5k |
| | | 10803 | H | 22k |
| 28 | Eurosport 1 (HD+) | 12227 | H | 27,5k |
| | | 11112 | H | 22k |
| 29 | n-tv (HD+) | 12188 | H | 27,5k |
| | | 10832 | H | 22k |
| 30 | Welt (HD+) | 12545 | H | 22k |
| | | 10773 | H | 22k |
| 31 | tagesschau24 HD | 11053 | H | 22k |
| 32 | One HD | 11053 | H | 22k |
| 33 | ZDF info HD | 11347 | H | 22k |
| 34 | ZDF neo HD | 11362 | H | 22k |
| 35 | Phoenix HD | 11582 | H | 22k |
| 36 | arte HD | 11494 | H | 22k |
| 37 | N24 Doku | 12460 | H | 27,5k |
| 38 | kabel1 Doku (HD+) | 12545 | H | 22k |
| | | 11464 | H | 22k |
| 39 | Welt der Wunder TV | 12663 | H | 22k |
| 40 | KiKa HD | 11347 | H | 22k |
| 41 | Nick/MTV+ | 11973 | V | 27,5k |
| 42 | Disney Channel (HD+) | 12460 | H | 27,5k |
| | | 10803 | H | 22k |
| 43 | Toggo plus | 12188 | H | 27,5k |

Stand: 01.05.2021

Vodafone - Kabel

| Nr. | Programmname | Freq. | QAM |
|-----|-----------------|-------|-----|
| 1 | Das Erste HD | 330 | 256 |
| 2 | ZDF HD | 450 | 256 |
| 3 | SWR RP HD | 330 | 256 |
| 4 | RTL | 122 | 64 |
| 5 | RTL II | 394 | 256 |
| 6 | Super RTL | 394 | 256 |
| 7 | Sat.1 | 122 | 64 |
| 8 | ProSieben | 442 | 256 |
| 9 | kabel eins | 442 | 256 |
| 10 | 3sat HD | 562 | 256 |
| 11 | WDR HD | 330 | 256 |
| 12 | BR Süd HD | 338 | 256 |
| 13 | hr-fernsehen HD | 418 | 256 |
| 14 | NDR HD | 338 | 256 |
| 15 | MDR HD | 338 | 256 |
| 16 | SR Fernsehen HD | 586 | 256 |
| 17 | ARD-alpha HD | 586 | 256 |
| 18 | rbb Berlin HD | 450 | 256 |
| 19 | VOX | 394 | 256 |
| 20 | Tele 5 | 442 | 256 |
| 21 | DMAX | 466 | 256 |
| 22 | sixx | 442 | 256 |

| Nr. | Programmname | Freq. | QAM |
|-----|--------------------|-------|-----|
| 23 | NITRO | 402 | 256 |
| 24 | RTLplus | 546 | 256 |
| 25 | Sat.1 Gold | 538 | 256 |
| 26 | ProSieben MAXX | 562 | 256 |
| 27 | Sport 1 | 394 | 256 |
| 28 | Eurosport 1 | 442 | 256 |
| 29 | ntv | 394 | 256 |
| 30 | WELT | 442 | 256 |
| 31 | tagesschau24 HD | 586 | 256 |
| 32 | ONE HD | 570 | 256 |
| 33 | ZDFinfo HD | 450 | 256 |
| 34 | ZDF_neo HD | 474 | 256 |
| 35 | Phoenix HD | 474 | 256 |
| 36 | arte HD | 418 | 256 |
| 37 | N24 Doku | 610 | 64 |
| 38 | kabel eins Doku | 610 | 64 |
| 39 | Welt der Wunder TV | 610 | 64 |
| 40 | KiKa HD | 474 | 256 |
| 41 | Nick/CC+1 | 466 | 256 |
| 42 | Disney Channel | 546 | 256 |
| 43 | Toggo plus | 402 | 256 |
| 44 | OK54 HD Trier | 458 | 256 |

Residenz digital

| Prog | Name | Freq | QAM | Prog | Name | Freq | QAM |
|------|-----------------|------|-----|------|------------------|------|-----|
| 1 | Das Erste HD | 362 | 256 | 26 | Sport 1 | 434 | 64 |
| 2 | ZDF HD | 370 | 256 | 27 | Eurosport 1 Deu. | 450 | 64 |
| 3 | SWR3 RP HD | 362 | 256 | 28 | n-tv | 378 | 256 |
| 4 | RTL | 378 | 256 | 29 | WELT | 386 | 64 |
| 5 | Sat.1 | 386 | 64 | 30 | Euronews | 450 | 64 |
| 6 | ProSieben | 386 | 64 | 31 | N24 doku | 442 | 64 |
| 7 | Kabel 1 | 386 | 64 | 32 | kabel eins Doku | 386 | 64 |
| 8 | 3sat HD | 394 | 256 | 33 | tagesschau24 HD | 426 | 256 |
| 9 | WDR HD Köln | 402 | 64 | 34 | One HD | 426 | 256 |
| 10 | BR FS Süd HD | 410 | 256 | 35 | ZDFinfo HD | 394 | 256 |
| 11 | hr-fernsehen HD | 418 | 256 | 36 | ZDF_neo HD | 370 | 256 |
| 12 | NDR FS HH HD | 410 | 256 | 37 | Phoenix HD | 410 | 256 |
| 13 | MDR Sachsen HD | 418 | 256 | 38 | arte HD | 362 | 256 |
| 14 | SR-Fernsehen HD | 426 | 256 | 39 | rhein main tv | 458 | 64 |
| 15 | rbb Berlin HD | 418 | 256 | 40 | Radio Bremen TV | 402 | 64 |
| 16 | VOX | 378 | 256 | 41 | K-TV | 458 | 64 |
| 17 | Tele 5 | 434 | 64 | 42 | EWTN kath. TV | 442 | 64 |
| 18 | DMAX | 434 | 64 | 43 | Musik Fernsehen | 458 | 64 |
| 19 | SIXX | 442 | 64 | 44 | health TV | 458 | 64 |
| 20 | NITRO | 378 | 256 | 45 | Anixe SD | 442 | 64 |
| 21 | RTL2 | 378 | 256 | 46 | TLC | 442 | 64 |
| 22 | Super RTL | 378 | 256 | 47 | Regio TV | 434 | 64 |
| 23 | RTL plus | 378 | 256 | 48 | KiKa HD | 394 | 256 |
| 24 | Sat.1 Gold | 386 | 64 | 49 | Disney Channel | 442 | 64 |
| 25 | Pro7 MAXX | 386 | 64 | 50 | TOGGO plus | 378 | 256 |

| Sat + terr. Pegel für einwandfreien Empfang (EN60728-1) | | | | |
|---|------|-------------|------|----------|
| | min | optimal | max | Qualität |
| DVB-S | 47dB | 55dB - 60dB | 77dB | MER > 11 |
| DVB-S2 | 47dB | 55dB - 60dB | 77dB | MER > 14 |
| DVB-T2 | 35dB | 50dB - 60dB | 74dB | MER > 32 |
| UKW | 50dB | 55dB - 60dB | 70dB | C/N > 48 |

| Kabel Pegel für einwandfreien Empfang (EN60728-1) | | | | |
|---|------|-------------|------|----------|
| | min | optimal | max | Qualität |
| QAM-256 | 54dB | 60dB - 69dB | 74dB | MER > 32 |
| QAM-64 | 47dB | 54dB - 63dB | 67dB | MER > 26 |
| HÜP 610 | 50dB | 55dB - 65dB | | MER > 26 |

Residenz analog

| Prog | Programmname | Kanal | Freq. |
|------|----------------|-------|--------|
| 1 | Das Erste | 08 | 196,25 |
| 2 | ZDF | 09 | 203,25 |
| 3 | SWR RP | 10 | 210,25 |
| 4 | RTL | 11 | 217,25 |
| 5 | RTL 2 | 06 | 182,25 |
| 6 | Sat.1 | 12 | 224,25 |
| 7 | ProSieben | 03 | 55,25 |
| 8 | VOX | S 06 | 140,25 |
| 9 | arte | 07 | 189,25 |
| 10 | 3sat | S 07 | 147,25 |
| 11 | kabel eins | 04 | 62,25 |
| 12 | WDR | S 11 | 231,25 |
| 13 | NDR | S 12 | 238,25 |
| 14 | BR Süd | S 13 | 245,25 |
| 15 | hr-fernsehen | S 16 | 266,25 |
| 16 | rbb | S 22 | 311,25 |
| 17 | MDR | S 25 | 335,25 |
| 18 | Phoenix | S 15 | 259,25 |
| 19 | n-tv | S 09 | 161,25 |
| 20 | Eurosport | S 08 | 154,25 |
| 21 | SIXX | S 14 | 252,25 |
| 22 | Disney Channel | S 17 | 273,25 |
| 23 | Eins Plus | S 24 | 327,25 |
| 24 | ZDF neo | S 23 | 319,25 |
| 25 | BVN | S 18 | 280,25 |
| 26 | CNN | S 19 | 287,25 |
| 27 | CNBC Europe | S 20 | 294,25 |
| 28 | BBC World News | S 21 | 303,25 |
| 29 | Musikfernsehen | S 27 | 351,25 |
| 30 | Sat.1 Gold | S 28 | 359,25 |
| 31 | Residenz-Kanal | S 26 | 343,25 |

Irminen digital

| Prog | Name | Freq. | Prog | Name | Freq. |
|------|----------------|-------|------|--------------|-------|
| 1 | Das Erste | 418 | 25 | N24 | 458 |
| 2 | ZDF | 426 | 26 | EuroNews | 466 |
| 3 | SWR FS RP | 434 | 27 | PHOENIX | 410 |
| 4 | RTL Television | 450 | 28 | arte | 410 |
| 5 | RTL2 | 450 | 29 | KiKa | 426 |
| 6 | SUPER RTL | 450 | 30 | EinsExtra | 410 |
| 7 | SAT.1 | 458 | 31 | Einsfestival | 410 |
| 8 | ProSieben | 458 | 32 | EinsPlus | 410 |
| 9 | kabel eins | 458 | 33 | ZDFinfo | 426 |
| 10 | 3sat | 426 | 34 | zdf_neo | 426 |
| 11 | WDR Köln | 418 | 35 | zdf.kultur | 426 |
| 12 | Bayerisches FS | 418 | 36 | AstroTV | 474 |
| 13 | hr-fernsehen | 418 | 37 | QVC | 482 |
| 14 | NDR FS MV | 434 | 38 | QVC PLUS | 482 |
| 15 | MDR Sachsen | 434 | 39 | HSE24 EXTRA | 466 |
| 16 | rbb Berlin | 434 | 40 | Channel 21 | 450 |
| 17 | VOX | 450 | 41 | Juwelo TV | 442 |
| 18 | TELE 5 | 474 | 42 | Bibel TV | 482 |
| 19 | RTL NITRO | 450 | 43 | K-TV | 442 |
| 20 | DMAX neu | 474 | 44 | AEGYPTEN.TV | 442 |
| 21 | SIXX | 458 | 45 | BFM Business | 482 |
| 22 | SPORT1 | 474 | 46 | CashTV | 482 |
| 23 | Eurosport | 466 | 47 | MediaShop | 474 |
| 24 | n-tv | 450 | 48 | AV Encoder | 522 |

| Unicable / SCR / EN50494 | | | |
|--------------------------|-----------|---------|----------|
| ID | Technisat | Inverto | LNB 4+24 |
| 1 (0) | 1284 | 1076 | 1210 |
| 2 (1) | 1400 | 1178 | 1420 |
| 3 (2) | 1516 | 1280 | 1680 |
| 4 (3) | 1632 | 1382 | 2040 |
| 5 (4) | 1748 | 1484 | 1005 |
| 6 (5) | 1864 | 1586 | 1050 |
| 7 (6) | 1980 | 1688 | 1095 |
| 8 (7) | 2096 | 1790 | 1140 |

Irminen analog

| Prog | Name | Kanal | Freq. |
|------|----------------|-------|--------|
| 1 | Das Erste | 02 | 48,25 |
| 2 | ZDF | 04 | 62,25 |
| 3 | Südwest 3 | 06 | 182,25 |
| 4 | RTL | 08 | 196,25 |
| 5 | RTL 2 | S16 | 266,25 |
| 6 | Super RTL | S18 | 280,25 |
| 7 | Sat.1 | 10 | 210,25 |
| 8 | ProSieben | 09 | 203,25 |
| 9 | kabel eins | S05 | 133,25 |
| 10 | 3sat | S19 | 287,25 |
| 11 | WDR | S14 | 252,25 |
| 12 | Bayern | S15 | 259,25 |
| 13 | hr-fernsehen | S08 | 154,25 |
| 14 | NDR | S06 | 140,25 |
| 15 | MDR | S12 | 238,25 |
| 16 | rbb | S21 | 303,25 |
| 17 | Phoenix | S13 | 245,25 |
| 18 | arte | S11 | 231,25 |
| 19 | BR-alpha | S23 | 319,25 |
| 20 | Disney Channel | S32 | 391,25 |
| 21 | VOX | 07 | 189,25 |
| 22 | TELE 5 | S29 | 367,25 |
| 23 | KiKa | S33 | 399,25 |
| 24 | Sport1 | S17 | 273,25 |
| 25 | Eurosport | S07 | 147,25 |
| 26 | n-tv | S09 | 161,25 |
| 27 | N24 | S20 | 294,25 |
| 28 | Kapelle-TV | 11 | 217,25 |
| 29 | Bibel TV | S30 | 375,25 |
| 30 | KTV | S31 | 383,25 |
| 31 | tagesschau24 | S24 | 327,25 |
| 32 | Eins Festival | S25 | 335,25 |
| 33 | Eins Plus | S26 | 343,25 |
| 34 | ZDF neo | S27 | 351,25 |
| 35 | ZDF kultur | S28 | 359,25 |