**ITU 50GHz Center Wavelengths and Channel Numbering**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Channel ID XX** | **Frequency  (THz)** | **Wavelength  (nm)** |  | **Channel ID XX** | **Frequency  (THz)** | **Wavelength  (nm)** |
| 01 | 191.70 | 1563.86 | 46 | 193.95 | 1545.72 |
| 02 | 191.75 | 1563.45 | 47 | 194.00 | 1545.32 |
| 03 | 191.80 | 1563.05 | 48 | 194.05 | 1544.92 |
| 04 | 191.85 | 1562.64 | 49 | 194.10 | 1544.53 |
| 05 | 191.90 | 1562.23 | 50 | 194.15 | 1544.13 |
| 06 | 191.95 | 1561.83 | 51 | 194.20 | 1543.73 |
| 07 | 192.00 | 1561.42 | 52 | 194.25 | 1543.33 |
| 08 | 192.05 | 1561.01 | 53 | 194.30 | 1542.94 |
| 09 | 192.10 | 1560.61 | 54 | 194.35 | 1542.54 |
| 10 | 192.15 | 1560.20 | 55 | 194.40 | 1542.14 |
| 11 | 192.20 | 1559.79 | 56 | 194.45 | 1541.75 |
| 12 | 192.25 | 1559.39 | 57 | 194.50 | 1541.35 |
| 13 | 192.30 | 1558.98 | 58 | 194.55 | 1540.95 |
| 14 | 192.35 | 1558.58 | 59 | 194.60 | 1540.56 |
| 15 | 192.40 | 1558.17 | 60 | 194.65 | 1540.16 |
| 16 | 192.45 | 1557.77 | 61 | 194.70 | 1539.77 |
| 17 | 192.50 | 1557.36 | 62 | 194.75 | 1539.37 |
| 18 | 192.55 | 1556.96 | 63 | 194.80 | 1538.98 |
| 19 | 192.60 | 1556.55 | 64 | 194.85 | 1538.58 |
| 20 | 192.65 | 1556.15 | 65 | 194.90 | 1538.19 |
| 21 | 192.70 | 1555.75 | 66 | 194.95 | 1537.79 |
| 22 | 192.75 | 1555.34 | 67 | 195.00 | 1537.40 |
| 23 | 192.80 | 1554.94 | 68 | 195.05 | 1537.00 |
| 24 | 192.85 | 1554.54 | 69 | 195.10 | 1536.61 |
| 25 | 192.90 | 1554.13 | 70 | 195.15 | 1536.22 |
| 26 | 192.95 | 1553.73 | 71 | 195.20 | 1535.82 |
| 27 | 193.00 | 1553.33 | 72 | 195.25 | 1535.43 |
| 28 | 193.05 | 1552.93 | 73 | 195.30 | 1535.04 |
| 29 | 193.10 | 1552.52 | 74 | 195.35 | 1534.64 |
| 30 | 193.15 | 1552.12 | 75 | 195.40 | 1534.25 |
| 31 | 193.20 | 1551.72 | 76 | 195.45 | 1533.86 |
| 32 | 193.25 | 1551.32 | 77 | 195.50 | 1533.47 |
| 33 | 193.30 | 1550.92 | 78 | 195.55 | 1533.07 |
| 34 | 193.35 | 1550.52 | 79 | 195.60 | 1532.68 |
| 35 | 193.40 | 1550.12 | 80 | 195.65 | 1532.29 |
| 36 | 193.45 | 1549.72 | 81 | 195.70 | 1531.90 |
| 37 | 193.50 | 1549.32 | 82 | 195.75 | 1531.51 |
| 38 | 193.55 | 1548.91 | 83 | 195.80 | 1531.12 |
| 39 | 193.60 | 1548.51 | 84 | 195.85 | 1530.72 |
| 40 | 193.65 | 1548.11 | 85 | 195.90 | 1530.33 |
| 41 | 193.70 | 1547.72 | 86 | 195.95 | 1529.94 |
| 42 | 193.75 | 1547.32 | 87 | 196.00 | 1529.55 |
| 43 | 193.80 | 1546.92 | 88 | 196.05 | 1529.16 |
| 44 | 193.85 | 1546.52 | 89 | 196.10 | 1528.77 |
| 45 | 193.90 | 1546.12 | 90 | 196.15 | 1528.38 |