

Optical: Dense Wavelength-Division Multiplexing (DWDM) Channels

- Dense Wavelength-Division Multiplexing (DWDM) is located in the C-Band (around 1550nm).

C-Band ITU 100GHz Spacing

ITU Channel #	Frequency (GHz)	Wavelength (nm)		ITU Channel #	Frequency (GHz)	Wavelength (nm)
1	190100	1577.03		40	194000	1545.32
2	190200	1576.20		41	194100	1544.53
3	190300	1575.37		42	194200	1543.73
4	190400	1574.54		43	194300	1542.94
5	190500	1573.71		44	194400	1542.14
6	190600	1572.89		45	194500	1541.35
7	190700	1572.06		46	194600	1540.56
8	190800	1571.24		47	194700	1539.77
9	190900	1570.42		48	194800	1538.98
10	191000	1569.59		49	194900	1538.19
11	191100	1568.11		50	195000	1537.40
12	191200	1567.95		51	195100	1536.61
13	191300	1567.13		52	195200	1535.82
14	191400	1566.31		53	195300	1535.04
15	191500	1565.50		54	195400	1534.25
16	191600	1564.68		55	195500	1533.47
17	191700	1563.86		56	195600	1532.68
18	191800	1563.05		57	195700	1531.90
19	191900	1562.23		58	195800	1531.12
20	192000	1561.42		59	195900	1530.33
21	192100	1560.61		60	196000	1529.55
22	192200	1559.79		61	196100	1528.77
23	192300	1558.98		62	196200	1527.99
24	192400	1558.17		63	196300	1527.22
25	192500	1557.36		64	196400	1526.44
26	192600	1556.56		65	196500	1525.66
27	192700	1555.75		66	196600	1524.89
28	192800	1554.94		67	196700	1524.11
29	192900	1554.13		68	196800	1523.34
30	193000	1553.33		69	196900	1522.56
31	193100	1552.52		70	197000	1521.79
32	193200	1551.72		71	197100	1521.02
33	193300	1550.92		72	197200	1520.25

34	193400	1550.12				
35	193500	1549.32				
36	193600	1548.52				
37	193700	1547.72				
38	193800	1546.92				
39	193900	1546.12				