

ITU Ch. No	Frequency [GHz]	Wavelength	Red & Blue 16	Red & Blue 4-8-16 ch	44-48 ch MUX	CWDM ITU-T G.694.2	8-16 ch MUX CWDM comp.	4-8-12 ch MUX CWDM comp.		
1	190.100	1577.03				1577.5	7	1	L-Band	
2	190.200	1576.20					6	2		
3	190.300	1575.37					5	3		
4	190.400	1574.54					4	4		
5	190.500	1573.71					3	5		
6	190.600	1572.89					2	6		
7	190.700	1572.06					1	7		
8	190.800	1571.24				1571	0	8		
9	190.900	1570.42					1	9		
10	191.000	1569.59					2	10		
11	191.100	1568.77					3	11		
12	191.200	1567.95					4	12		
13	191.300	1567.13					5	13		
14	191.400	1566.31					6	14		
15	191.500	1565.50					7	15		
16	191.600	1564.68			1	1564.5	8	16	C-Band	
17	191.700	1563.86			2			17		
18	191.800	1563.05		1	18	3	18			
19	191.900	1562.23		2	19	4	19			
20	192.000	1561.42		3	20	5	20			
21	192.100	1560.61	1560.86	1	21	4	21	6		21
22	192.200	1559.79		2	22	5	22	7		22
23	192.300	1558.98		3	23	6	23	8		23
24	192.400	1558.17		4	24	7	24	9		24
25	192.500	1557.36		5	25	8	25	10		25
26	192.600	1556.55		6	26	9	26	11		26
27	192.700	1555.75		7	27	10	27	12		27
28	192.800	1554.94		8	28	11	28	13		28
29	192.900	1554.13		9	29	12	29	14		29
30	193.000	1553.33		10	30	13	30	15		30
31	193.100	1552.52		11	31	14	31	16	31	
32	193.200	1551.72		12	32	15	32	17	32	
33	193.300	1550.92		13	33	16	33	18	33	
34	193.400	1550.12		14	34	17	34	19	34	
35	193.500	1549.32		15	35	18	35	20	35	
36	193.600	1548.51		16	36	19	36	21	36	
37	193.700	1547.72	1547.46	17	20	37	22	37	37	
38	193.800	1546.92		21	38	23	38	23	38	
39	193.900	1546.12		22	39	24	39	24	39	
40	194.000	1545.32		23	40	25	40	25	40	
41	194.100	1544.53		24	41	26	41	26	41	
42	194.200	1543.73		25	42	27	42	27	42	
43	194.300	1542.94		26	43	28	43	28	43	
44	194.400	1542.14	1542.39	1	44	27	44	29	44	
45	194.500	1541.35		2	45	28	45	30	45	
46	194.600	1540.56		3	46	29	46	31	46	
47	194.700	1539.77		4	47	30	47	32	47	
48	194.800	1538.98		5	48	31	48	33	48	
49	194.900	1538.19		6	49	32	49	34	49	
50	195.000	1537.40		7	50	33	50	35	50	
51	195.100	1536.61		8	51	34	51	36	51	
52	195.200	1535.82		9	52	35	52	37	52	
53	195.300	1535.04		10	53	36	53	38	53	
54	195.400	1534.25		11	54	37	54	39	54	
55	195.500	1533.47		12	55	38	55	40	55	
56	195.600	1532.68		13	56	39	56	41	56	
57	195.700	1531.90		14	57	40	57	42	57	
58	195.800	1531.12		15	58	41	58	43	58	
59	195.900	1530.33		16	59	42	59	44	59	
60	196.000	1529.55	1529.30	17	43	60	45	60	60	
61	196.100	1528.77		44	61	46	61	46	61	
62	196.200	1527.99		45	62	47	62	47	62	
63	196.300	1527.22		46	63	48	63	48	63	
64	196.400	1526.44		47	64				64	
65	196.500	1525.66		48	65				65	
66	196.600	1524.89				1524.5			S-Band	
67	196.700	1524.11								
68	196.800	1523.34								
69	196.900	1522.56								
70	197.000	1521.79								
71	197.100	1521.02								
72	197.200	1520.25								
73	197.300	1519.48								



ITU-T G.694.1 grid based DWDM channel plan 100GHz and relation to CWDM wavelengths, Red/Blue bands and S, C and L-Bands

Channel spacing 100 GHz or 0.8 nm relative to 193.1 THz