

## Satellite frequencies in Japan

Network	BS	CS 110°E
Base sat. freq.	11,72748 GHz	12,27100 GHz
Channel width	19,18 MHz	20,00 MHz
Range width	34,50 MHz	34,50 MHz

Polarity	Right	Left
Local osc. freq.	10,67800 GHz	9,50500 GHz

### BS broadcasting

Right circular polarity				Left circular polarity			
Channel	Satellite freq.	Intermediate freq.	Frequency range	Channel	Satellite freq.	Intermediate freq.	Frequency range
BS-1	11,72748 GHz	1049,48 MHz	1032,23 - 1066,73 MHz	BS-2	11,74666 GHz	2241,66 MHz	2224,41 - 2258,91 MHz
BS-3	11,76584 GHz	1087,84 MHz	1070,59 - 1105,09 MHz	BS-4	11,78502 GHz	2280,02 MHz	2262,77 - 2297,27 MHz
BS-5	11,80420 GHz	1126,20 MHz	1108,95 - 1143,45 MHz	BS-6	11,82338 GHz	2318,38 MHz	2301,13 - 2335,63 MHz
BS-7	11,84256 GHz	1164,56 MHz	1147,31 - 1181,81 MHz	BS-8	11,86174 GHz	2356,74 MHz	2339,49 - 2373,99 MHz
BS-9	11,88092 GHz	1202,92 MHz	1185,67 - 1220,17 MHz	BS-10	11,90010 GHz	2395,10 MHz	2377,85 - 2412,35 MHz
BS-11	11,91928 GHz	1241,28 MHz	1224,03 - 1258,53 MHz	BS-12	11,93846 GHz	2433,46 MHz	2416,21 - 2450,71 MHz
BS-13	11,95764 GHz	1279,64 MHz	1262,39 - 1296,89 MHz	BS-14	11,97682 GHz	2471,82 MHz	2454,57 - 2489,07 MHz
BS-15	11,99600 GHz	1318,00 MHz	1300,75 - 1335,25 MHz	BS-16	12,01518 GHz	2510,18 MHz	2492,93 - 2527,43 MHz
BS-17	12,03436 GHz	1356,36 MHz	1339,11 - 1373,61 MHz	BS-18	12,05354 GHz	2548,54 MHz	2531,29 - 2565,79 MHz
BS-19	12,07272 GHz	1394,72 MHz	1377,47 - 1411,97 MHz	BS-20	12,09190 GHz	2586,90 MHz	2569,65 - 2604,15 MHz
BS-21	12,11108 GHz	1433,08 MHz	1415,83 - 1450,33 MHz	BS-22	12,13026 GHz	2625,26 MHz	2608,01 - 2642,51 MHz
BS-23	12,14944 GHz	1471,44 MHz	1454,19 - 1488,69 MHz	BS-24	12,16862 GHz	2663,62 MHz	2646,37 - 2680,87 MHz

### CS 110°E broadcasting

Right circular polarity				Left circular polarity			
Channel	Satellite freq.	Intermediate freq.	Frequency range	Channel	Satellite freq.	Intermediate freq.	Frequency range
ND-2	12,29100 GHz	1613,00 MHz	1595,75 - 1630,25 MHz	ND-1	12,27100 GHz	2766,00 MHz	2748,75 - 2783,25 MHz
ND-4	12,33100 GHz	1653,00 MHz	1635,75 - 1670,25 MHz	ND-3	12,31100 GHz	2806,00 MHz	2788,75 - 2823,25 MHz
ND-6	12,37100 GHz	1693,00 MHz	1675,75 - 1710,25 MHz	ND-5	12,35100 GHz	2846,00 MHz	2828,75 - 2863,25 MHz
ND-8	12,41100 GHz	1733,00 MHz	1715,75 - 1750,25 MHz	ND-7	12,39100 GHz	2886,00 MHz	2868,75 - 2903,25 MHz
ND-10	12,45100 GHz	1773,00 MHz	1755,75 - 1790,25 MHz	ND-9	12,43100 GHz	2926,00 MHz	2908,75 - 2943,25 MHz
ND-12	12,49100 GHz	1813,00 MHz	1795,75 - 1830,25 MHz	ND-11	12,47100 GHz	2966,00 MHz	2948,75 - 2983,25 MHz
ND-14	12,53100 GHz	1853,00 MHz	1835,75 - 1870,25 MHz	ND-13	12,51100 GHz	3006,00 MHz	2988,75 - 3023,25 MHz
ND-16	12,57100 GHz	1893,00 MHz	1875,75 - 1910,25 MHz	ND-15	12,55100 GHz	3046,00 MHz	3028,75 - 3063,25 MHz
ND-18	12,61100 GHz	1933,00 MHz	1915,75 - 1950,25 MHz	ND-17	12,59100 GHz	3086,00 MHz	3068,75 - 3103,25 MHz
ND-20	12,65100 GHz	1973,00 MHz	1955,75 - 1990,25 MHz	ND-19	12,63100 GHz	3126,00 MHz	3108,75 - 3143,25 MHz
ND-22	12,69100 GHz	2013,00 MHz	1995,75 - 2030,25 MHz	ND-21	12,67100 GHz	3166,00 MHz	3148,75 - 3183,25 MHz
ND-24	12,73100 GHz	2053,00 MHz	2035,75 - 2070,25 MHz	ND-23	12,71100 GHz	3206,00 MHz	3188,75 - 3223,25 MHz