

SPACESAT.TXT

SPACE COMMUNICATION FREQUENCY ALLOCATIONS

Source: Popular Communications
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For more information concerning these frequencies, see the May 89 issue of Popular Communications pages 52 - 54.

Frequency Range		Description
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21.000 - 21.450	Mhz.	Amateur Radio Satellites
24.890 - 29.4990	Mhz.	Amateur Radio Satellites
28.000 - 29.700	Mhz.	Amateur Radio Satellites
30.000 - 30.560	Mhz.	Satellites and Research Beacons
39.980 - 40.020	Mhz.	Space Research
137.00 - 138.00	Mhz.	Weather Satellites
144.00 - 146.00	Mhz.	Amateur Radio Satellites
149.90 - 150.05	Mhz.	Radio Navigational Satellites
267.00 - 273.00	Mhz.	Military Communications Satellite Downlink
328.60 - 335.40	Mhz.	Aeronautical Navigational Aids
399.90 - 400.00	Mhz.	Navigational Satellites
400.00 - 400.15	Mhz.	Standard Time Signal Satellites
400.15 - 412.00	Mhz.	Meteorological & Research Satellites
402.00 - 403.00	Mhz.	Research Uplink
403.00 - 405.00	Mhz.	Radiosonde (radio equipped research balloons)
406.00	Mhz.	International Distress (uplink to SARSAT/ COSPAS)
460.00 - 470.00	Mhz.	Meteorological Satellites
1215 - 1240	Mhz.	Navigational Satellites
1240 - 1260	Mhz.	Amateur Satellites
1427 - 1429	Mhz.	Research Uplink
1525 - 1530	Mhz.	General Satellite Downlink
1530 - 1544	Mhz.	Maritime Satellites
1544 - 1545	Mhz.	Mobile Satellites
1545 - 1559	Mhz.	Aeronautical Navigational Satellites
1626.5 - 1645.5	Mhz.	Uplink for Maritime Satellites
1645.5 - 1666.5	Mhz.	Uplink for Mobile Satellites
1670.0 - 1710.0	Mhz.	Meteorological Satellites
2200.0 - 2300.0	Mhz.	Uplink & Satellite Crosslink (intersatellite)
2483.5 - 2500.0	Mhz.	Radio Determination Satellites

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2500.0 - 2655.0	Mhz.	Mobile and Broadcast Satellite Downlink
2655.0 - 2690.0	Mhz.	Broadcast and Research Satellites
3400.0 - 3500.0	Mhz.	Amateur Radio Satellites
3700.0 - 4200.0	Mhz.	Fixed Service Downlink
4500.0 - 4800.0	Mhz.	Fixed Service Downlink
5850.0 - 5925.0	Mhz.	Amateur Satellite Uplink
7250.0 - 7750.0	Mhz.	Weather & Fixed service Downlink
7900.0 - 7975.0	Mhz.	General Uplink
8025.0 - 8175.0	Mhz.	Mobile & Reasearch Uplink & Downlink
8175.0 - 8400.0	Mhz.	Mobile & Weather Uplink & Downlink
10.7 - 12.2	Ghz.	Broadcast Satellite Downlink
12.2 - 12.7	Ghz.	Broadcast Satellite Uplink
13.25 - 13.40	Ghz.	Aeronautical Navigational Satellites
13.4 - 14.0	Ghz.	Radiolocation & Time Standard Uplink
14.0 - 14.3	Ghz.	Radio Navigation & Research Uplink
16.6 - 17.1	Ghz.	Deep Space Probe Uplink
17.2 - 17.3	Ghz.	Earth Exploration Satellites
17.3 - 17.7	Ghz.	Fixed Service Uplink
17.7 - 20.2	Ghz.	Fixed & Mobile Downlink
20.2 - 21.2	Ghz.	Standard Time Signal Satellites
22.50 - 22.55	Ghz.	Fixed, Mobile & Broadcast
22.55 - 23.55	Ghz.	Inter-Satellite (Crosslink)
24.00 - 24.05	Ghz.	Amateur Satellites
24.05 - 24.25	Ghz.	Earth Exploration/Government
25.25 - 27.00	Ghz.	Standard Time Signal/Government
27.5 - 30.0	Ghz.	Fixed, Mobile Uplink
30.0 - 31.3	Ghz.	Government Fixed & Mobile
32.0 - 33.0	Ghz.	Inter-Satellite (Crosslink)
37.0 - 40.5	Ghz.	Mobile & Fixed Downlink
40.5 - 42.5	Ghz.	Broadcast Satellites
42.5 - 45.5	Ghz.	Fixed & Mobile Uplink
45.5 - 47.0	Ghz.	Radio Navigation Uplink
47.0 - 47.2	Ghz.	Amateur Satellites
47.2 - 50.2	Ghz.	Fixed, Mobile Uplink
50.2 - 400.0	Ghz.	Various Satellite & Space Research

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