

FCCALLOC.TXT

THE FREQUENCY SPECTRUM

AS ALLOCATED

BY THE FCC

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description =====	frequency range =====
civilian govt. low band	30 - 50 mhz.
6 meter amateur radio	50 - 54 mhz.
tv channels 2 - 4	54 - 72 mhz.
industrial/rc paging/rptr.links	72 - 76 mhz.
tv channels 5 - 6	76 - 78 mhz.
fm broadcast	88 - 108 mhz.
civilian aircraft vhf	108 - 136 mhz.
weather - geo satellites	136 - 138 mhz.
military aircraft - satellites	138 - 144 mhz.
2 meter amateur radio	144 - 148 mhz.
military bases	148 - 150.8 mhz.
civilian - govt. high band	150.8 - 174 mhz.
tv channels 7 - 13	174 - 216 mhz.
inland waterway navigation	216 - 220 mhz.
land mobile/amateur/satellite	220 - 225 mhz.
military aircraft uhf	225 - 400 mhz.
weather balloons/satellite telemetry	400 - 406 mhz.
federal govt. land mobile	406 - 420 mhz.
amateur	420 - 450 mhz.
civilian uhf band	450 - 512 mhz.
tv uhf channels	512 - 806 mhz.
cellular/microwave mobile	806 - 960 mhz.
telemetry data	960 - 1200 mhz.
business/mobile/aeronautical	1.0 - 1.2 ghz.
amateur radio	1.215 - 1.3 ghz.
" "	2.3 - 2.45 ghz.
" " rptrs.	2.4 - 2.45 ghz.
" "	3.3 - 3.5 ghz.
L - band military radars	1.22 - 1.35 ghz.
amateur dx, use a lna	1.296 ghz.
" " "	2.304 ghz.
" " "	3.456 ghz.
" " "	5.65 - 5.925 ghz.

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radio astronomy		1.420	ghz.
" "		2.69 - 2.7	ghz.
hydrogen maser resonators		1.420	ghz.
" " "		1.405	ghz.
" " "		1.751	ghz.
" " "		1.786	ghz.
business/mobile/aeronautical		1.427 - 1.435	ghz.
satellite telemetry		1.435 - 1.535	ghz.
satellite communications		1.535 - 1.559	ghz.
radio astronomy		1.612 - 1.727	ghz.
satellite communications		1.635 - 1.66	ghz.
weather sondes		1.66 - 1.69	ghz.
meteorological satellites		1.69 - 1.7	ghz.
goes satellite fm fax		1.6910	ghz.
meteosat satellite fm fax		1.6945	ghz.
n0aa8 satellite, on command only		1.698	ghz.
space research		1.7 - 1.71	ghz.
" "		2.29 - 2.3	ghz.
noaa8 sat on command only		1.702	ghz.
government		1.71 - 1.85	ghz.
" "		2.2 - 2.29	ghz.
usaf space shuttle uplinks		1.7757 - 1.8318	ghz.
studio to transmitter links		1.99 - 2.11	ghz.
media satellite downlinks		3.7 - 4.2	ghz.
nasa space shuttle uplinks		2.0419 - 2.1064	ghz.
" " " "	fm	2.205	ghz.
" " " "	pulse	2.2175	ghz.
public common carrier		2.110 - 2.18	ghz.
ptp/omni/tv		" " "	
ptp fixed		2.80 - 2.2	ghz.
goes 4 satellite on command only		2.2090	ghz.
goes 5,6 " " "		2.2090	ghz.
goes 4,5,6 " "		2.214	ghz.
nimbus 7 , tdrs 1 satellite		2.211	ghz.
" " " "		2.2325	ghz.
" " " "		2.2735	ghz.
nasa space shuttle tv		2.215	ghz.
isee 1 satellite on command		2.2155	ghz.
iue satellite		2.2498	ghz.
iras satellite		2.2530	ghz.
isee2 satellite		2.2608	ghz.
isee1 satellite		2.2648	ghz.
landsat 2 satellite on command		2.2295	ghz.
landsat 4 " "		2.2655	ghz.
nasa space shuttle downlink	fm	2.250	ghz.
" " " "	pulse	2.2875	ghz.
nasa beacon on the moon		2.2760	ghz.
atv		2.375	ghz.

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oscar 9 satellite beacon	2.401	ghz.
microwave ovens	2.450	ghz.
radar	2.45 - 2.5	ghz.
instructional tv	2.5 - 2.69	ghz.
insat tv-1 dbs satellite	2.560 - 2.59	ghz.
10.7 cm solar flux noise	2.8	ghz.
10 cm radars	3.00 - 3.246	ghz.
6 cm radars	5.46 - 5.65	ghz.
att multiplex and others	3.70 - 4.20	ghz.
media satellites downlink	3.70 - 4.20	ghz.
media satellites uplink	5.925 - 6.425	ghz.
military systems - meteorological	4.4 - 5.1	ghz.
" los systems	7.125 - 8.4	ghz.
defense satellite comm. downlink	7.25 - 7.75	ghz.
xband military radars	8.5 - 9.6	ghz.
cesum atomic beam resonators	9.192	ghz.
" " " "	9.631	ghz.
" " " "	9.770	ghz.
3 cm marine radar	9.320 - 9.50	ghz.
amateur radio	10.00 - 10.50	ghz.
" "	24.0 - 25.25	ghz.
" "	48.0 - 50.0	ghz.
" "	71.0 - 76.0	ghz.
communications satellite downlink	10.7 - 10.95	ghz.
" " "	11.2 - 11.45	ghz.
" " "	12.5 - 12.75	ghz.
" " "	11.7 - 12.45	ghz.
direct broadcast tv	11.7 - 12.45	ghz.
cars/catv link	12.7 - 12.95	ghz.
satellite uplink	14.0 - 14.5	ghz.
" "	17.7 - 21.2	ghz.
18 mm surveillance radar	16.0 - 16.5	ghz.
8 mm " "	36.0 - 39.0	ghz.

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