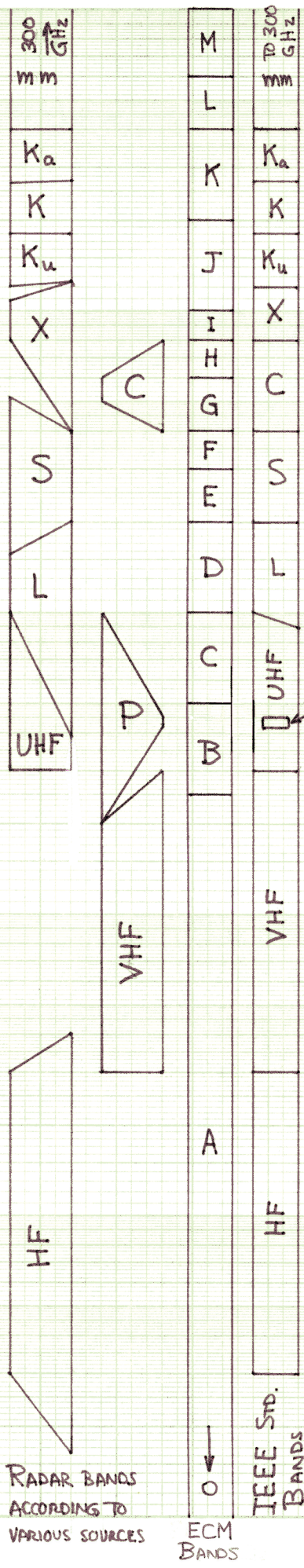


U.S. RADIOLOCATION FREQUENCY ALLOCATIONS



RADAR BANDS
ACCORDING TO
VARIOUS SOURCES

ECM
BANDS

$$10^{11} = 100,000 \text{ MHz} = 100 \text{ GHz}$$

80	.003 m = .3 cm
60	.004 .4
40	.006 .6
30	.010 1.0
20	.015 1.5
	.02 2.

MISSILE SEEKERS

$$10^{10} = 10,000 \text{ MHz} = 10 \text{ GHz}$$

8,000	.03 3
6,000	.04 4
4,000	.06 6
3,000	.10 10
2,000	.15 15
	.2 20

AI, WEAPON CONTROL
SURFACE SEARCH / NAV.

MED. RANGE SEARCH
TRACKING / CONTRA.

2D/3D AIR SEARCH
AEW

2D/3D AIR SEARCH

$$10^9 = 1,000 \text{ MHz} = 1 \text{ GHz}$$

800	.3 30
600	.4 40
400	.6 60
300	1.0 100
200	1.5 150
	2 200

2D AIR SEARCH

2D AIR SEARCH

AEW

VERY LONG RANGE
SURVEILLANCE

$$10^8 = 100 \text{ MHz} = .1 \text{ GHz}$$

80	.3 30
60	.4 40
40	.6 60
30	1.0 100
20	1.5 150
	2 200

$$10^7 = 10 \text{ MHz} = 10,000 \text{ kHz}$$

8	.3 30
6	.4 40
4	.6 60
3	1.0 100
2	1.5 150
	2 200

OTH

$$10^6 = 1 \text{ MHz} = 1,000 \text{ kHz}$$

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TYPICAL RADAR
APPLICATIONS

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