

FREQUENCY SPECTRUM

- $10^4 \text{ Hz} - 10^7 \text{ Hz}$ = Voice Wave
 $10^7 \text{ Hz} - 10^8 \text{ Hz}$ = High Voice Wave
 $10^8 \text{ Hz} - 10^9 \text{ Hz}$ = Radio Frequency
 $10^9 \text{ Hz} - 10^{10} \text{ Hz}$ = Shot Wave , TV 2ch - 5ch , FM Radio , Amateur FM Band
 $10^{10} \text{ Hz} - 10^{11} \text{ Hz}$ = , Other Mobile Radio
 $10^{11} \text{ Hz} - 10^{12} \text{ Hz}$ = TV 6ch - 12ch , UHF , SHF , Radar
 $10^{12} \text{ Hz} - 10^{14} \text{ Hz}$ = Radar
 $10^{14} \text{ Hz} - 10^{15} \text{ Hz}$ = Infra-red
 $10^{15} \text{ Hz} - 10^{16} \text{ Hz}$ = Visible
 $10^{16} \text{ Hz} - 10^{18} \text{ Hz}$ = Laser Ray
 $10^{18} \text{ Hz} - 10^{20} \text{ Hz}$ = x-ray
 $10^{20} \text{ Hz} - 10^{22} \text{ Hz}$ = Gamma Ray

NAME OF FREQUENCY CATEGORY	FREQUENCY
Very Low Frequency (V L F)	10 – 30 KHz
Low Frequency (L F)	30 - 300 KHz
Medium Frequency (M F)	0.3 - 3 MHz
High Frequency (H F)	3 - 30 MHz
Very High Frequency (V H F)	30 – 300 MHz
Ultra High Frequency (U H F)	300 – 3000 MHz
Super High Frequency (S H F)	3000 – 30,000 MHz