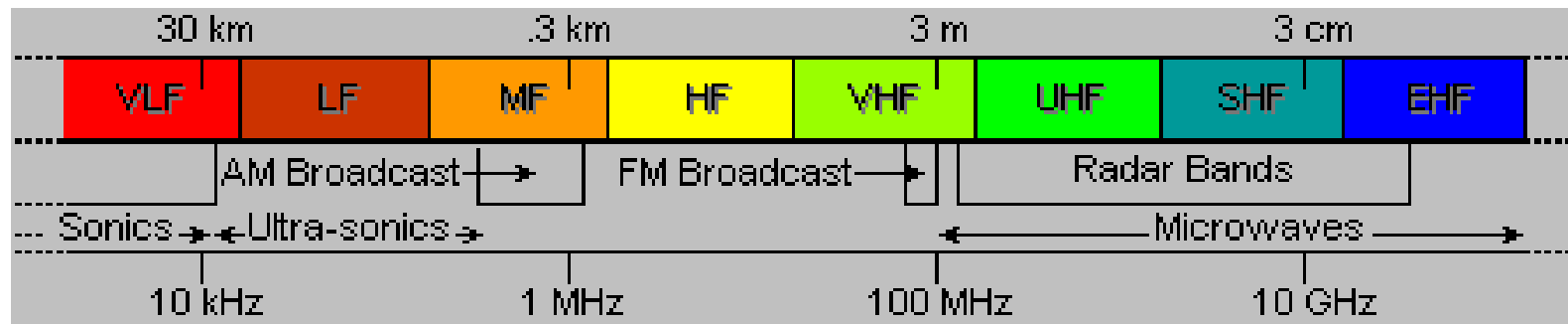
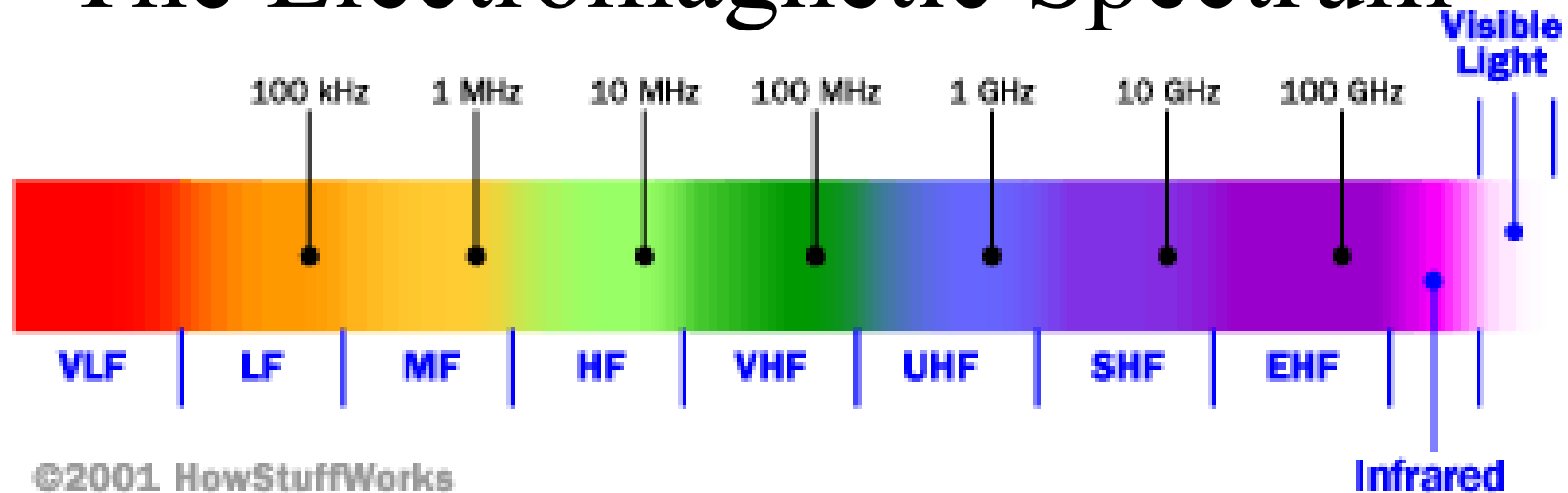


Amateur Tech Licensing Course

Corky Searls – AF4PM

10-2018

The Electromagnetic Spectrum



THE RADIO SPECTRUM

[illegible]

ACTIVITY CODE

COURSE MATERIALS CC-COURSE MATERIALS FROM C.D. WOOD

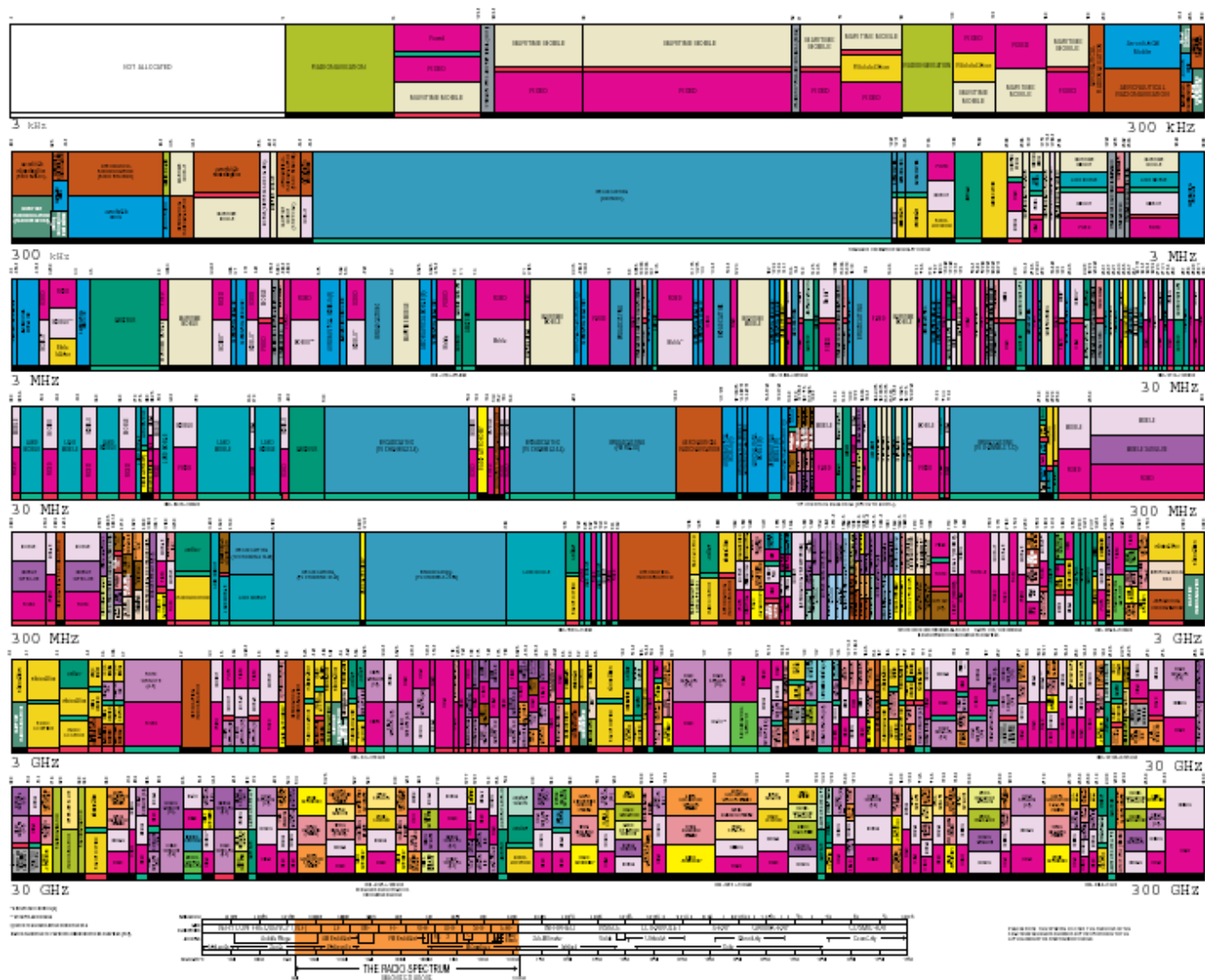
B-D/COURSES MATERIALS

ALLOCATION USAGE DESIGNATION

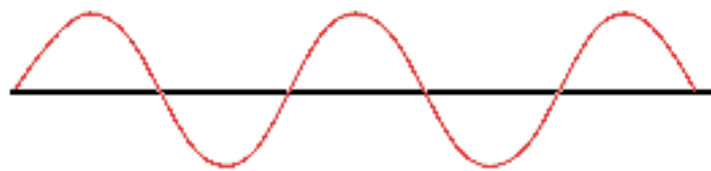
INDEX	INDEX	DESCRIPTION
Point1	POINT	CityLocation
IsContig	IsContig	Is City Location Contiguous
Point2	POINT	CityLocation



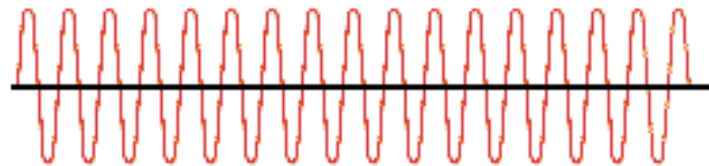
U.S. DEPARTMENT OF COMMERCE
NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION
OFFICE OF SPECTRUM MANAGEMENT
SEPTEMBER 2008



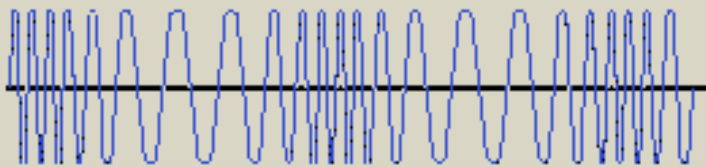
How Radio Waves Carry Information



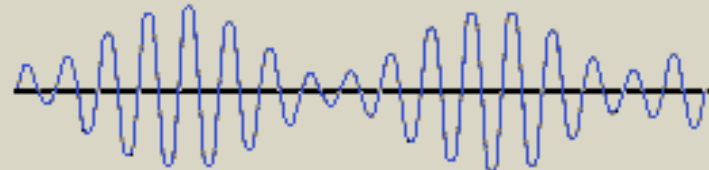
Audio-frequency waves



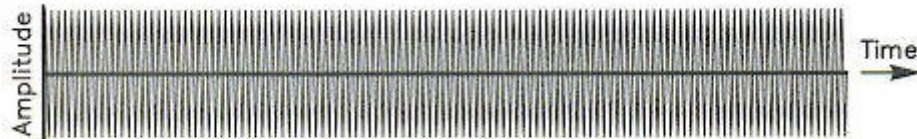
Carrier waves (radio frequency)



Frequency modulation (FM)



Amplitude modulation (AM)

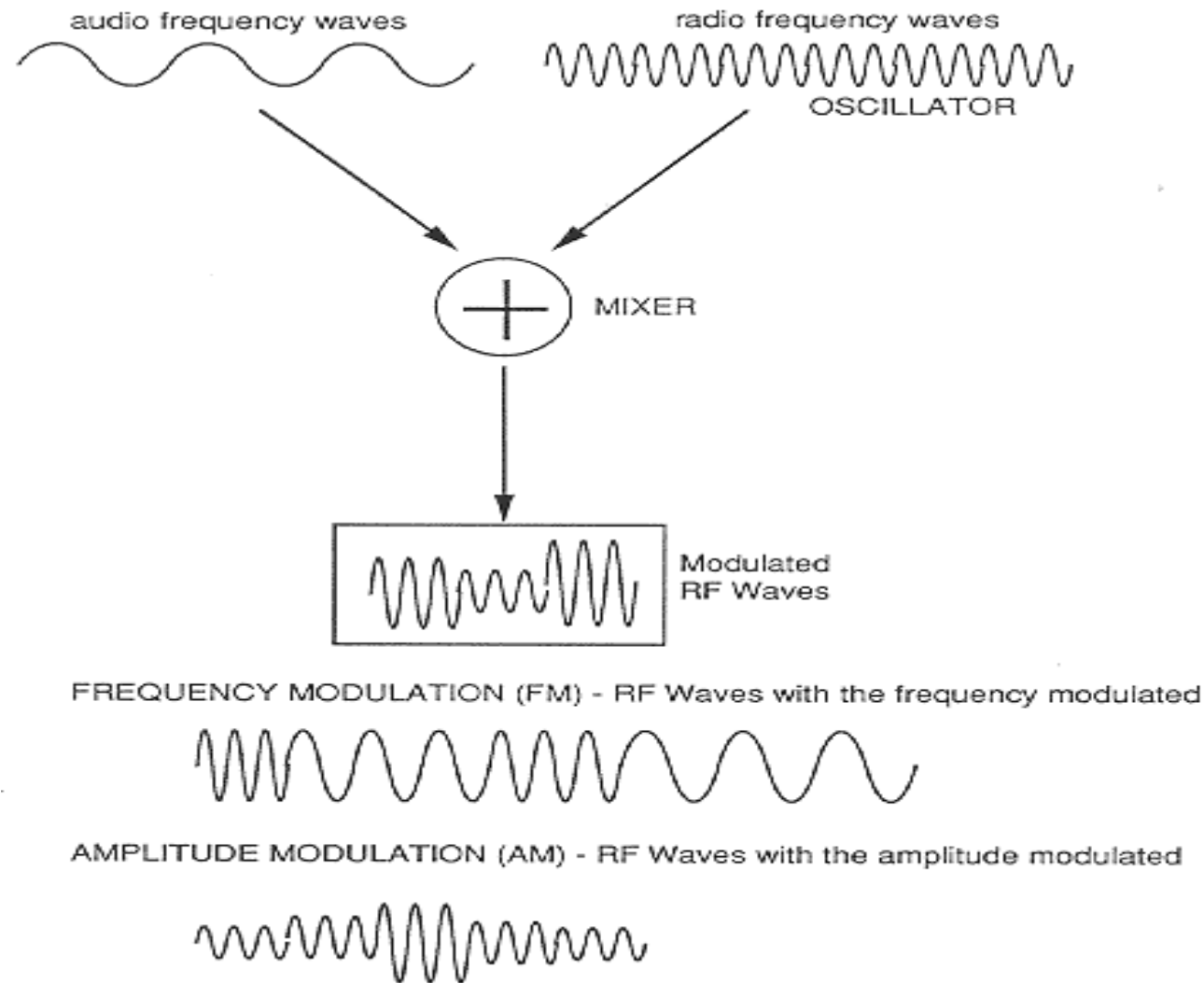


Steady State RF Signal – Test Emission



RF Signal Keyed On and Off to Make the Morse Code Letter C

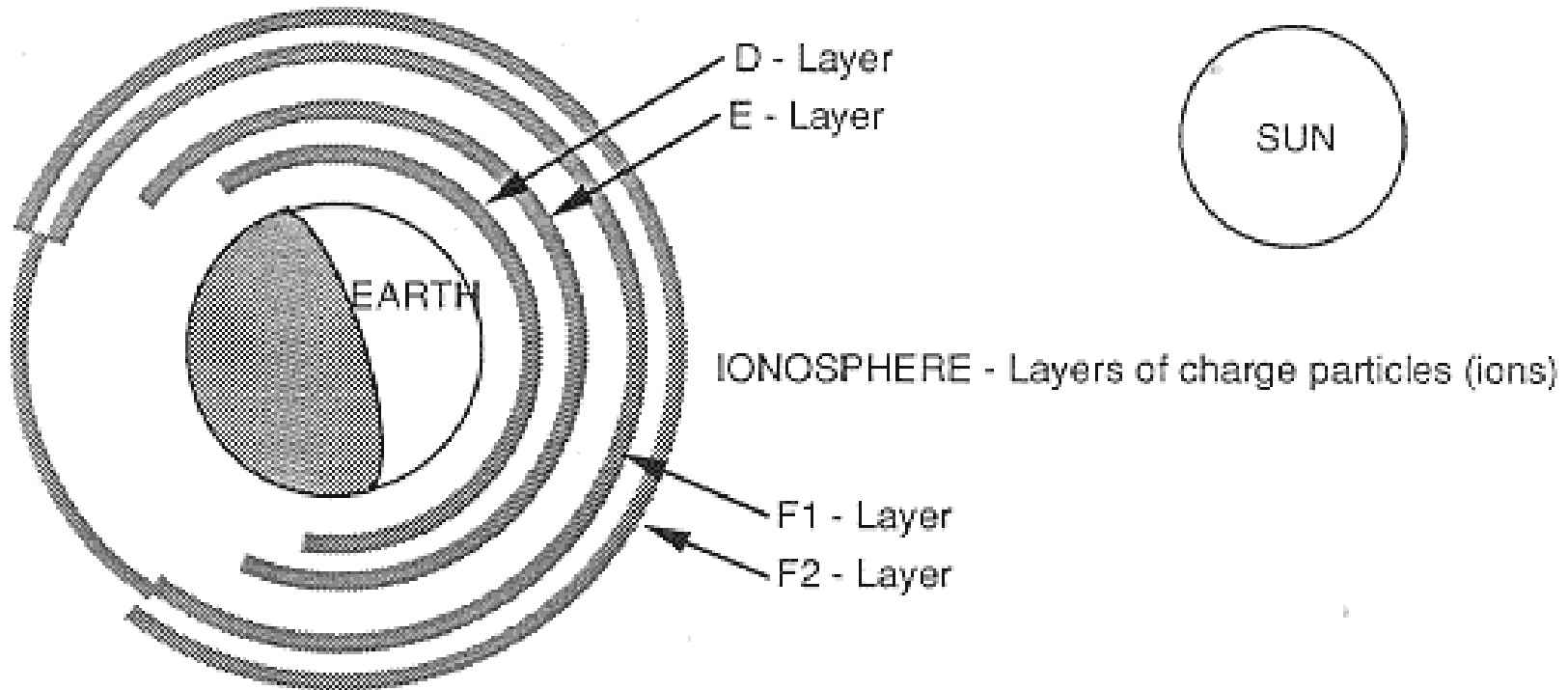
Modulation



OSCILLATORS--Used in transmitters to produce radio frequency (RF) energy from DC voltages.

MODULATION--Means "to change". In radio modulation, used to change the frequency or amplitude (size) of radio waves.

The Earths Ionosphere



The Ionosphere Layers Exist within the Thermosphere

