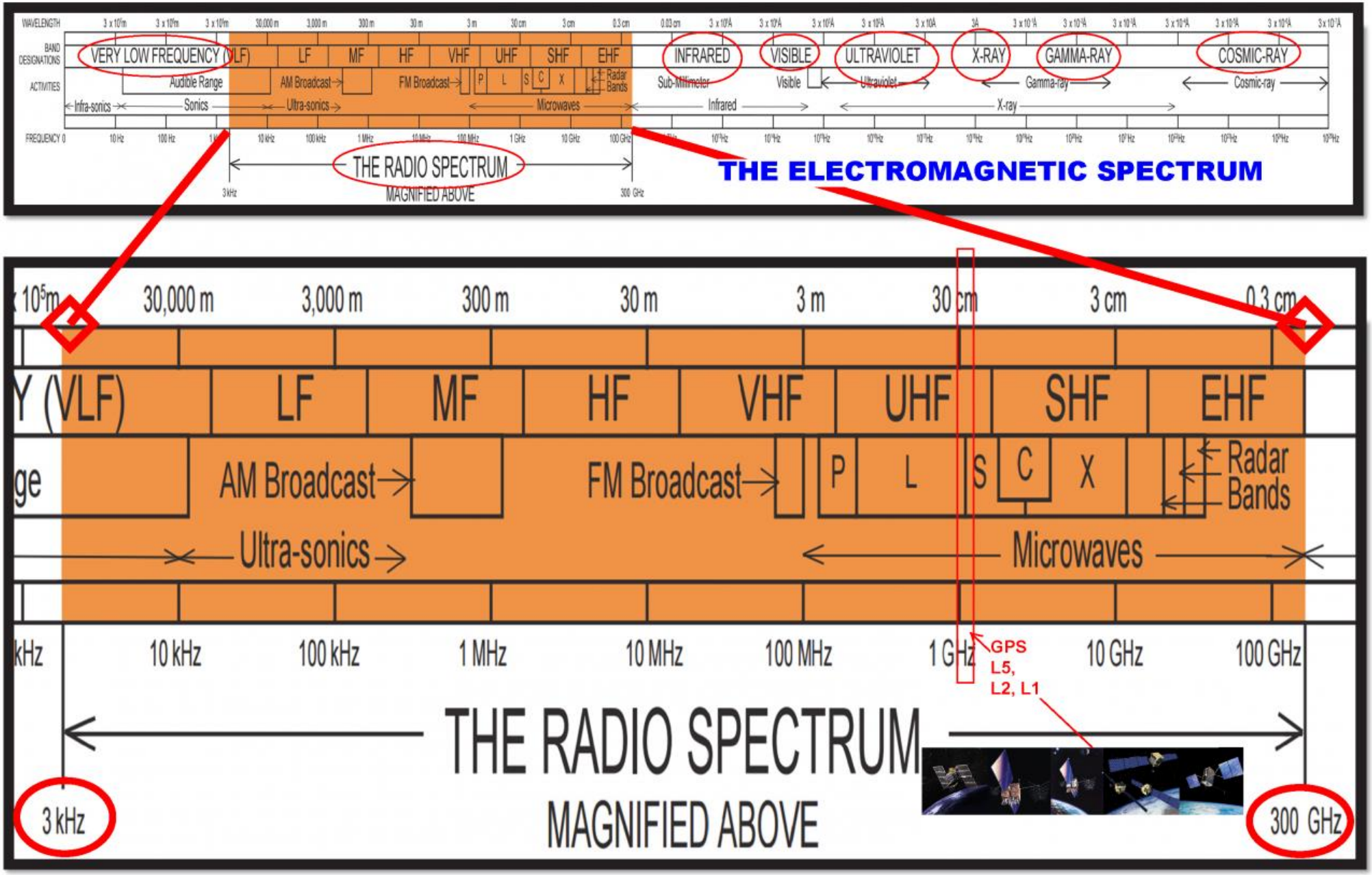
THE ELECTROMAGNETIC SPECTRUM
WAVELENGTH
BAND DESIGNATIONS
ACTIVITIES
FREQUENCY
VERY LOW FREQUENCY (VLF)
LF
MF
HF
VHF
UHF
SHF
EHF
INFRARED
VISIBLE
ULTRAVIOLET
X-RAY
GAMMA-RAY
COSMIC-RAY
Audible Range
AM Broadcast
FM Broadcast
P
L
S
C
X
Radar Bands
Sub-Millimeter
Visible
Ultraviolet
Gamma-ray
Cosmic-ray
Infra-sonics
Sonics
Ultra-sonics
Microwaves
Infrared
X-ray
THE RADIO SPECTRUM
MAGNIFIED ABOVE
3 kHz
300 GHz
30,000 m
3,000 m
300 m
30 m
3 m
30 cm
3 cm
0.3 cm
10 kHz
100 kHz
1 MHz
10 MHz
100 MHz
1 GHz
10 GHz
100 GHz
GPS
L5,
L2, L1