Lesson 1 ver 2

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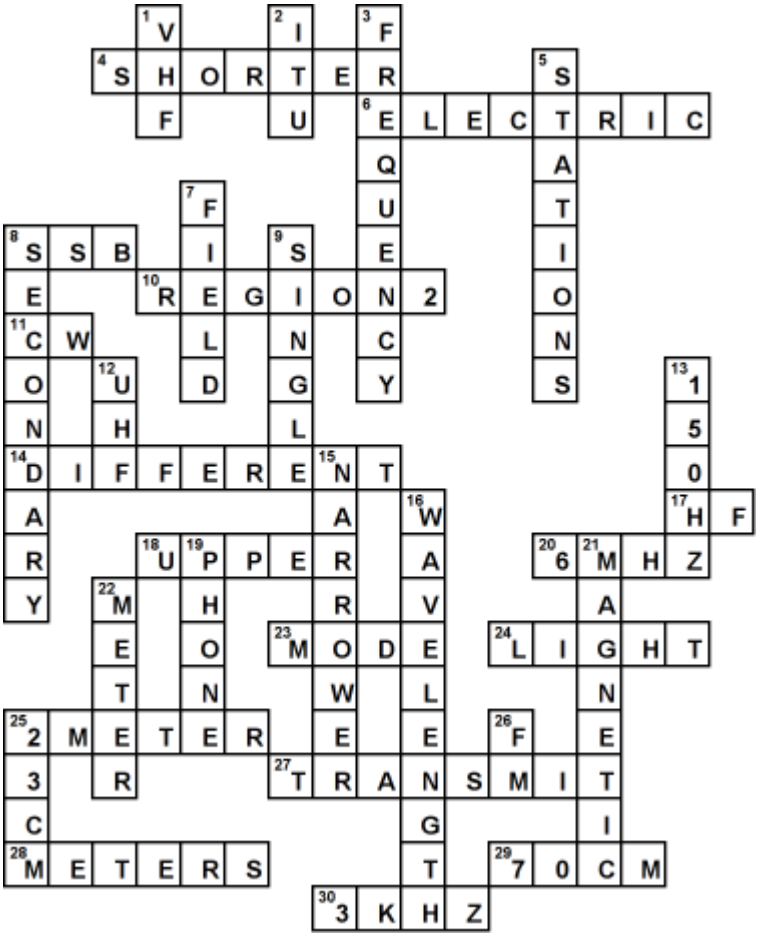

Across

4 The wavelength gets _____ as the frequency increases (7)

6 One of the two fields of a radio wave (8)

8 Voice modulation most often used for long-distance or weak signal contacts on the VHF and UHF bands (3)

10 North American stations are in ITU _____ (6,1)

11 Has the narrowest bandwidth (2)

14 Some U. S. Territories are not in region 2, and the frequency assignments are _____ than in the 50 States? (9)

17 3 to 30 MHz frequency range is referred to as ____ (2)

18 _____ sideband is normally used for 10 meter HF, VHF and UHF single-sideband communications (5)

20 The typical bandwidth of analog fast-scan TV transmissions on the 70 cm band (1,3)

23 The 6 meter, 2 meter, and 1.25 meter bands available to Technician Class operators have _____-restricted sub-bands (4)

24 A radio wave travel through free space at the speed of _____ (5)

25 You are using the ___ __ band when your station is transmitting on 146.52 MHz (1,5)

27 You should not set your _____ frequency to be exactly at the edge of an amateur band or sub-band (8)

28 The approximate velocity of a radio wave is 300,000,000 _____ per second (6)

29 443.350 MHz in the __ __ frequency band is authorized to a Technician Class license holder operating in ITU Region 2 (2,2)

30 The approximate bandwidth of a single sideband voice signal (1,3)

Down

1 30 to 300 MHz are the frequency limits of the ____ spectrum (3)

2 The ____ is a United Nations agency for communication technology issues (3)

3 The term that describes the number of times per second that an alternating current reverses direction (9)

5 The amateur service is secondary in some portions of the 70 cm band, and U.S.amateurs must avoid interfering with non-amateur _____ (8)

7 The orientation of the electric _____ of a radio wave is used to describe its polarization?,T3B02 New (5)

8 Amateurs may not cause harmful interference to primary users when an amateur frequency band is said to be available on a _____ basis (9)

9 _____ sideband is a form of amplitude modulation (6)

12 300 to 3000 MHz are the frequency limits of the ____ spectrum (3)

13 The approximate maximum bandwidth required to transmit a CW signal (3,2)

15 The primary advantage of single sideband over FM for voice transmissions is SSB signals have _____ bandwidth (8)

16 The name for the distance a radio wave travels during one complete cycle (10)

19 The approximate bandwidth of a VHF repeater FM _____ signal is between 5 and 15 kHz (5)

21 One of the two fields of a radio wave (8)

22 You are using the 1.25 _____ amateur band if you are transmitting on 223.50 MHz (5)

25 1296 MHz frequency in the __ __ band is authorized to a Technician Class operator license (2,2)

26 Modulation most commonly used for VHF packet radio transmissions (2)