

PRACTICAL

Section 17 - 19 – QUESTIONS

1. What does SWR stand for?
2. Sometimes SWR is referred to as VSWR, what does this mean?
3. What power level should you use to test the SWR of an antenna?
4. What power level is a Foundation operation restricted too?
5. What is PEP mean?
6. What is a dummy load and why is it used?
7. What modes should the power measurements be made?
8. What is the relation ship between frequency and antenna length?
9. What are the steps to make an SWR measurement?
10. Why should SWR measurements be made regularly on all antennas?
11. What is an ATU?
12. What does an ATU do?
13. You just built a new 10 metre dipole antenna.
(10 metre frequency range is 28 MHz to 29.7 MHz)
Now you test the SWR at 28.1 MHz and the result is 1:1.29.
Now you test the SWR at 29.5 MHz and the result is 1: 5.
Is the antenna too long or too short and what action should you take?
14. You just built another new 10 metre dipole antenna.
Now you test the SWR at 28.1 MHz and the result is 1:5.
Now you test the SWR at 29.5 MHz and the result is 1: 2.
Is the antenna too long or too short and what action should you take?
15. What are the SWR limits?