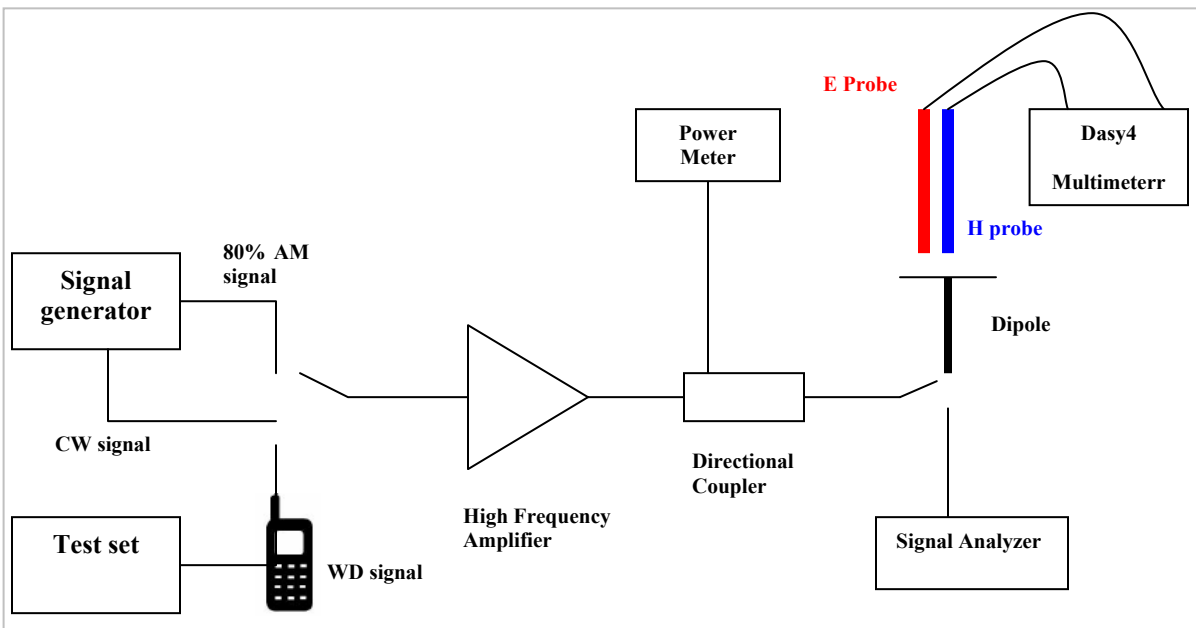


The procedure for determining the probe modulation factor is from Dasy4 manual application note “AN_Hearing_Aid_compatibility” and is as follow:

- 1- Place the validation dipole for appropriate frequency in Test Arch Phantom and install it in Dasy4 software. Verify the appropriate Arch phantom for E or H field.
- 2- Choose the appropriate probe, E or H field, and install it in Dasy4 software.
- 3- Move the probe to the section reference point. Verify the test points and the reference point for E or H field. Note that the section reference point is different for E and H field.
- 4- In the procedure of the Dasy4, first add a procedure for phantom adjustment and verification points. Then add another procedure starting with power reference followed by a robot command job which places the robot in power reference point. Then use the Multimeter job to measure field strength.
- 5- Setup the equipment as follows for three signals, WD (Wireless Device), CW (Continuous Wave), and 80 % AM signal. Note, do NOT move probe between the measurements of each signal.



- 6- Make sure the signal level of all three signals is same. To do this, measure the power at the feed points of the dipole. Use a signal analyzer to measure the power of three signals in zero-span mode. Keep the setting of the analyzer same for all three signals. Record the data by capturing the plots.
- 7- Record the power meter reading of the signal that is fed to the dipole and make sure stays the same during the measurements of E or H field.
- 8- While the probe is stationary at the power reference point, record the readings for each signal.
- 9- The ratio of the CW to WD field strength is probe modulation factor. The ratio of CW to 80% AM field strength is probe modulation factor for 80% AM signal.