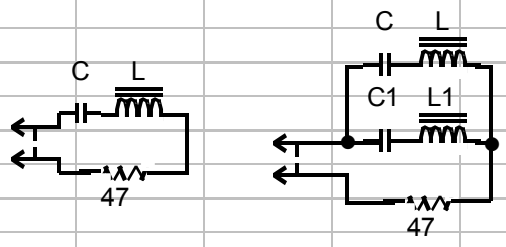
APPENDIX I: Making a Dummy Antenna for Testing

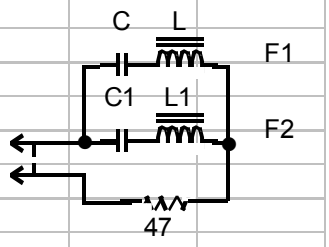
You will find it convenient to have a "dummy antenna" to use in testing the Micro908 Antenna Analyst operation. A dummy antenna is simply a 3-component circuit that is resonant at a specific frequency and has a purely resistive characteristic at that resonant frequency. The dummy antenna can be used in place of having an actual antenna during the initial tests of the instrument.

The dummy antenna described here consists of a resistor, inductor and capacitor in a series circuit, constructed on the end of a BNC connector that can be applied to the RF output of the Micro908. You can select the component values indicated below to create a resonant dummy antenna at any of the specified frequencies.

	Dummy Antennas			
Freq. (Mhz)	C (pf)	L (uH)	Core	# Turns
7.1	82	6.8	T50-2	37
10.1	47	5.28	T50-2	33
14.1	27	4.7	T50-2	31
18.1	22	3.51	T37-2	30
21.2	27	2.08	T37-2	23
28.5	15	2.08	T37-2	23



Single Resonance



Double Resonance

