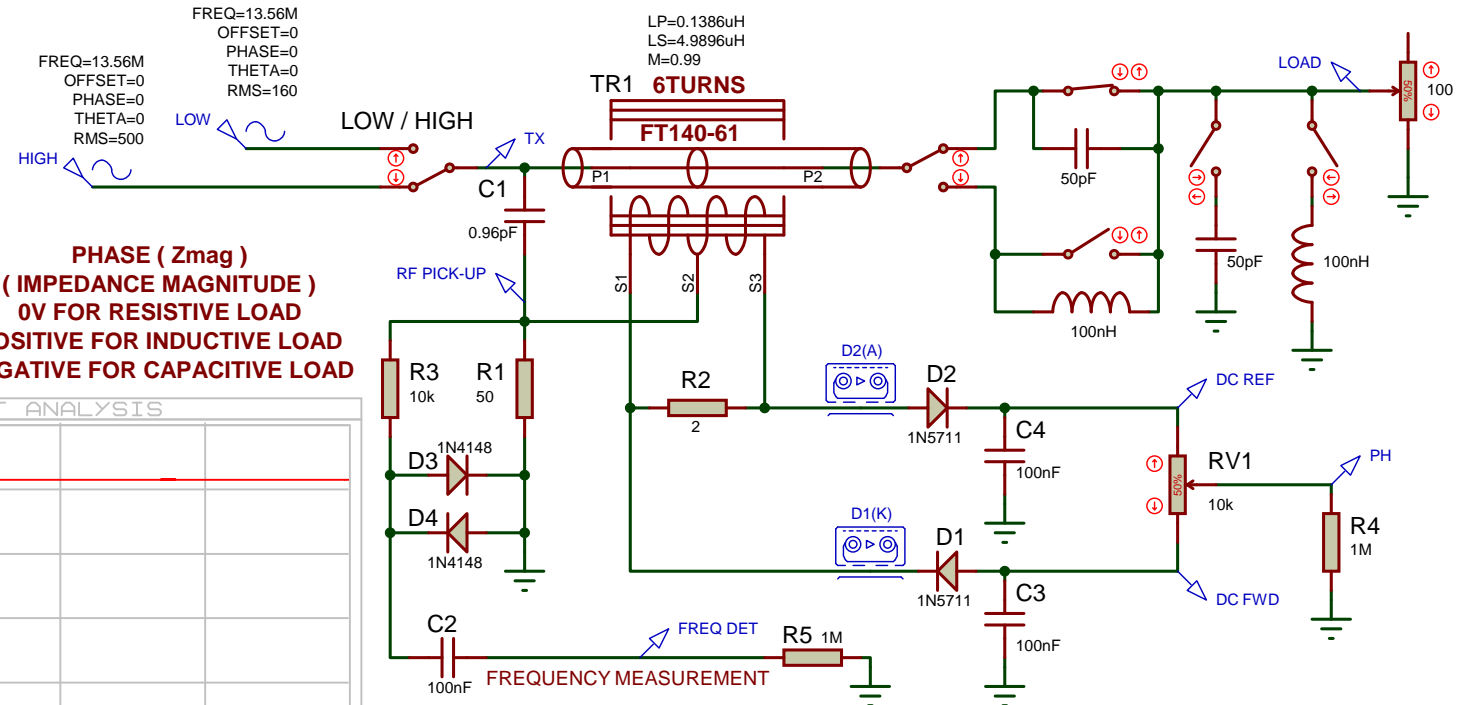
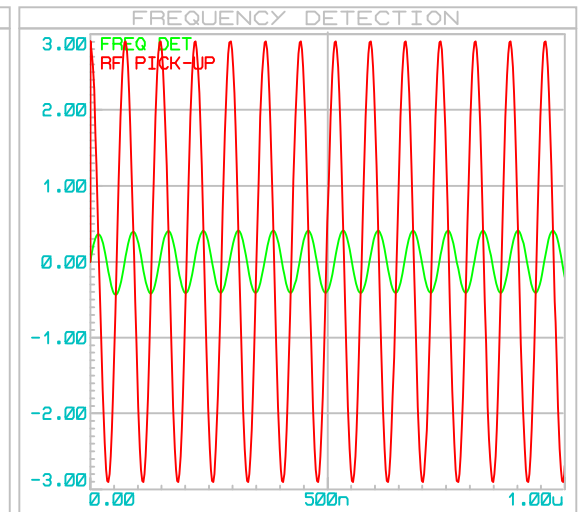
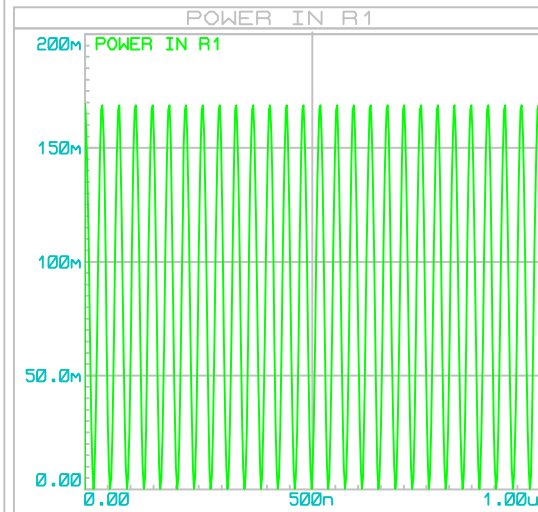
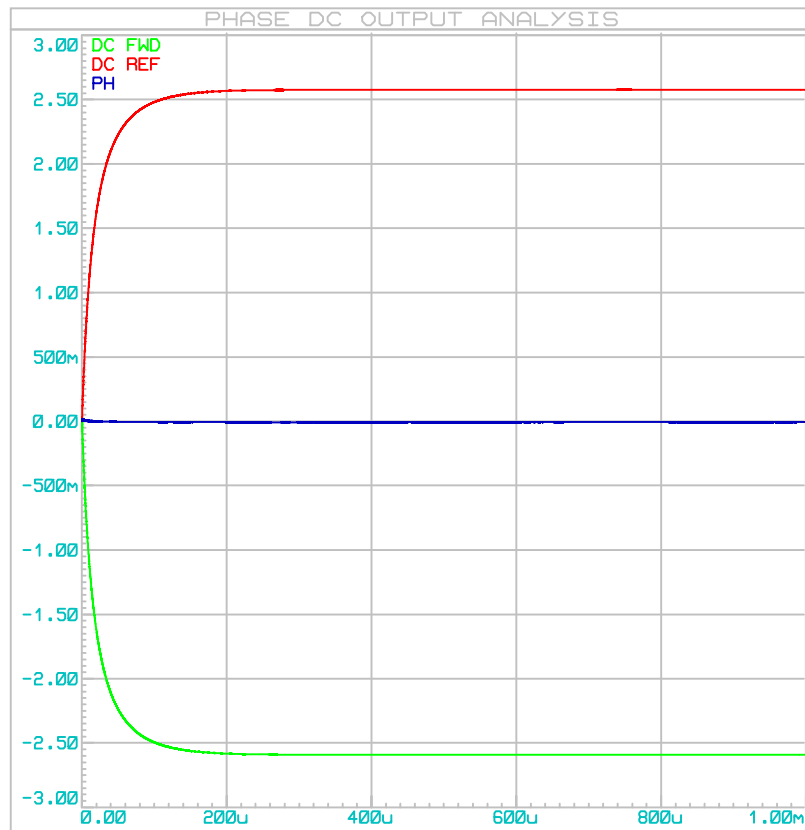


# Load R 50 Ohms

10 W = 22.5 V RMS @ 50 OHMS  
 20 W = 32 V RMS @ 50 OHMS  
 30 W = 38.7 V RMS @ 50 OHMS  
 50 W = 50 V RMS @ 50 OHMS  
 100 W = 70.7 V RMS @ 50 OHMS  
 200 W = 100 V RMS @ 50 OHMS  
 300 W = 122 V RMS @ 50 OHMS  
 500 W = 160 V RMS @ 50 OHMS  
 1000 W = 225 V RMS @ 50 OHMS  
 2000 W = 320 V RMS @ 50 OHMS  
 3000 W = 387 V RMS @ 50 OHMS  
 5000 W = 500 V RMS @ 50 OHMS  
 10000 W = 707 V RMS @ 50 OHMS

**PHASE ( Zmag )**  
**( IMPEDANCE MAGNITUDE )**  
 0V FOR RESISTIVE LOAD  
 POSITIVE FOR INDUCTIVE LOAD  
 NEGATIVE FOR CAPACITIVE LOAD



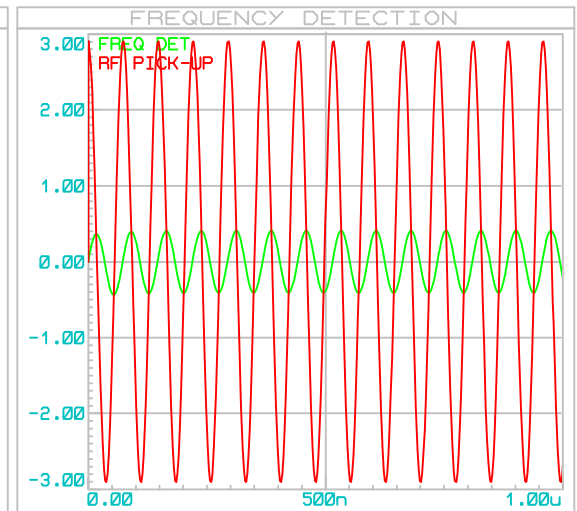
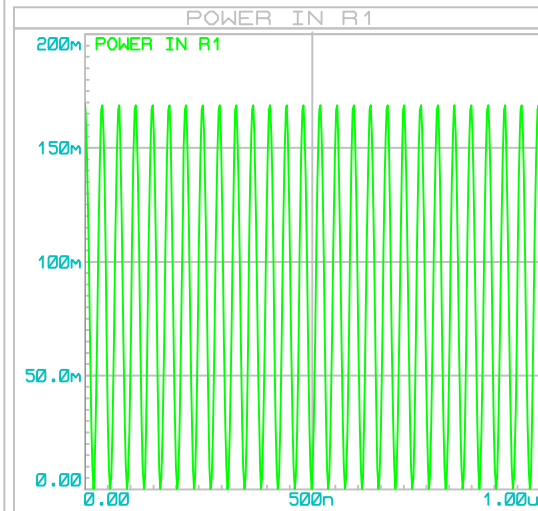
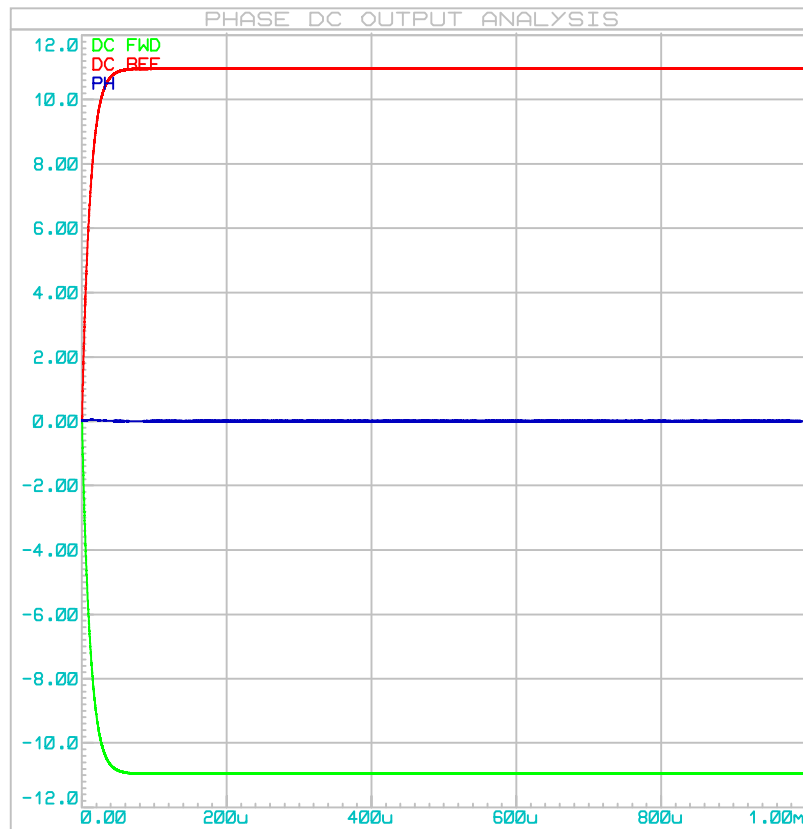
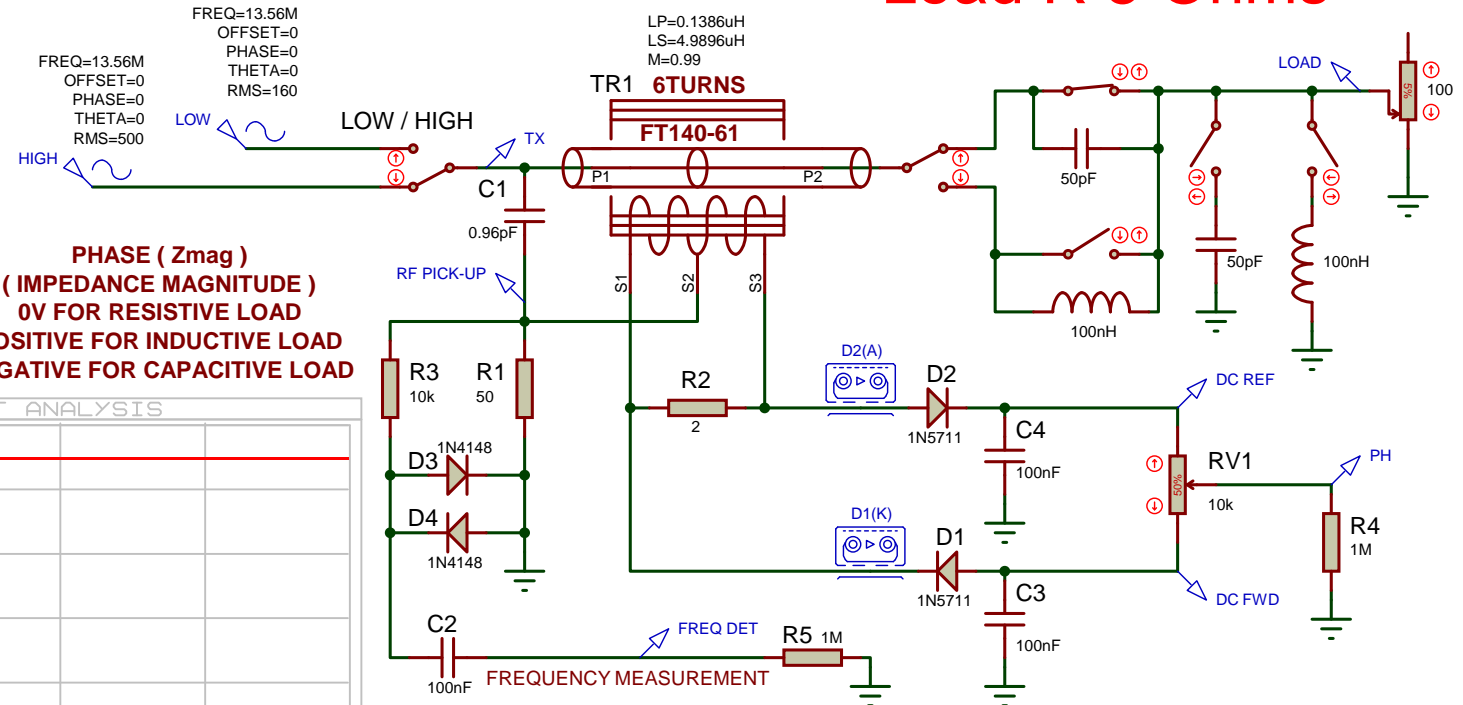
RF PHASE BRIDGE  
 FOR 500 W - 5000 W ANTENNA TUNER

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10 W = 22.5 V RMS @ 50 OHMS  
 20 W = 32 V RMS @ 50 OHMS  
 30 W = 38.7 V RMS @ 50 OHMS  
 50 W = 50 V RMS @ 50 OHMS  
 100 W = 70.7 V RMS @ 50 OHMS  
 200 W = 100 V RMS @ 50 OHMS  
 300 W = 122 V RMS @ 50 OHMS  
 500 W = 160 V RMS @ 50 OHMS  
 1000 W = 225 V RMS @ 50 OHMS  
 2000 W = 320 V RMS @ 50 OHMS  
 3000 W = 387 V RMS @ 50 OHMS  
 5000 W = 500 V RMS @ 50 OHMS  
 10000 W = 707 V RMS @ 50 OHMS

**PHASE ( Zmag )**  
**( IMPEDANCE MAGNITUDE )**  
 0V FOR RESISTIVE LOAD  
 POSITIVE FOR INDUCTIVE LOAD  
 NEGATIVE FOR CAPACITIVE LOAD

Load R 5 Ohms



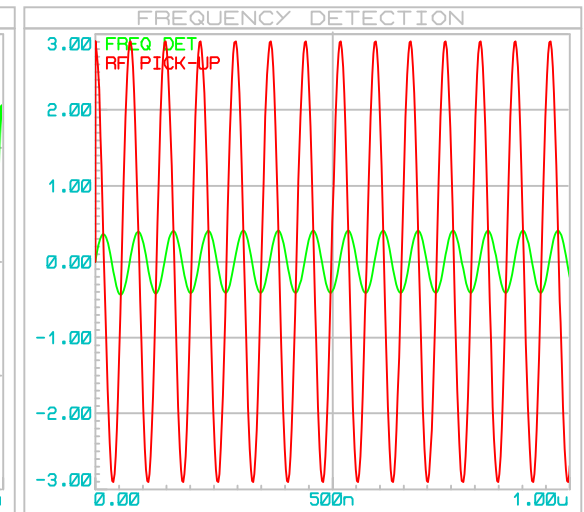
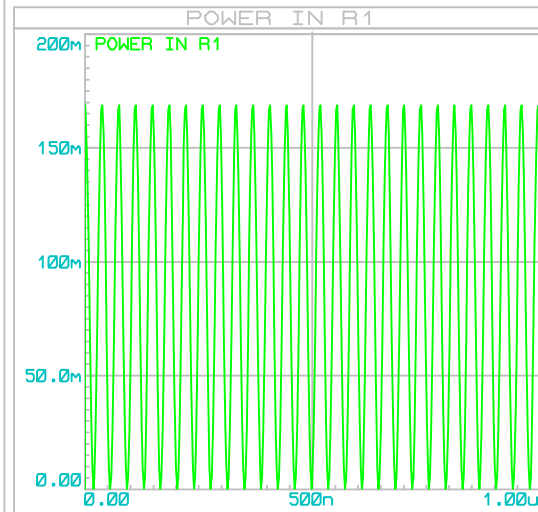
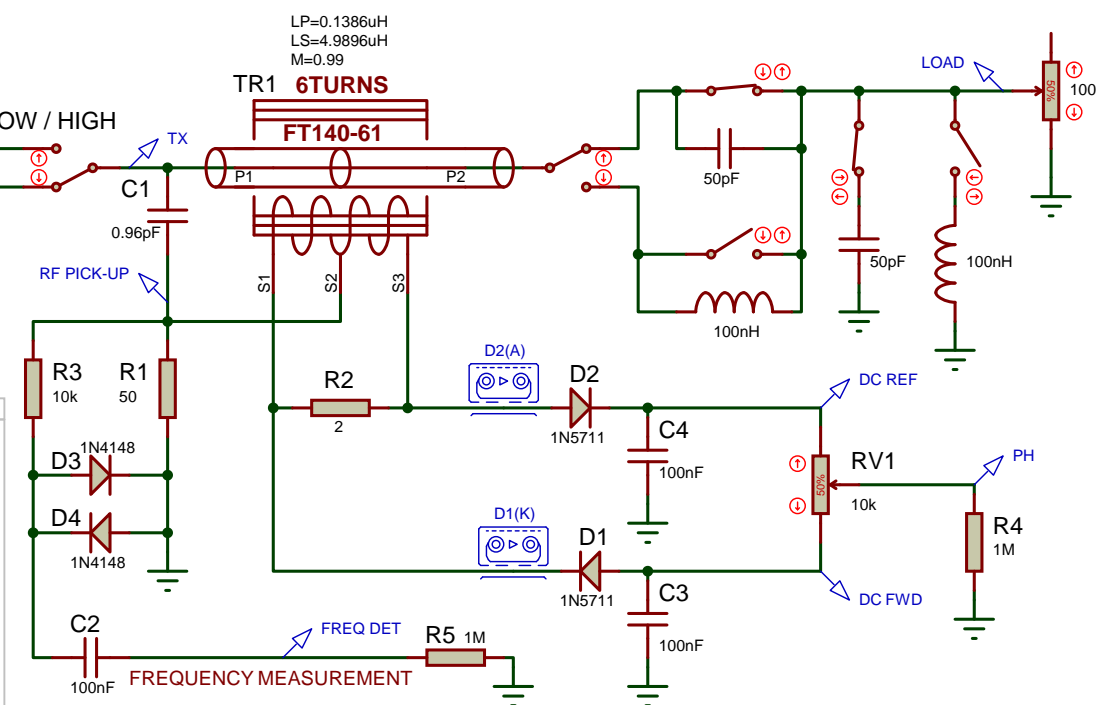
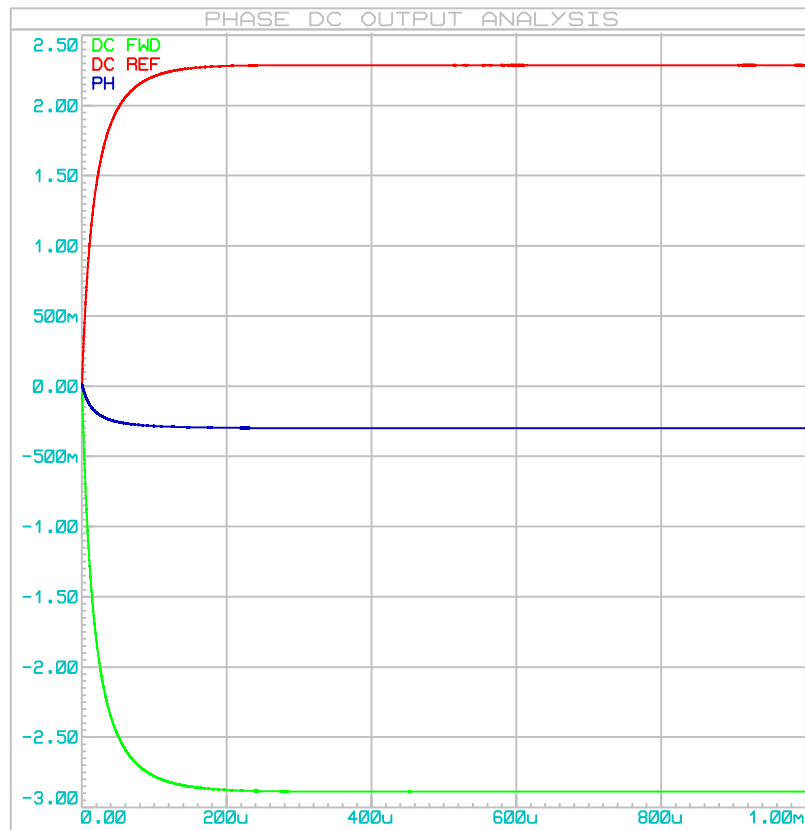
RF PHASE BRIDGE  
 FOR 500 W - 5000 W ANTENNA TUNER

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# Load R 50 Ohms + 50 pF parallèle

10 W = 22.5 V RMS @ 50 OHMS  
 20 W = 32 V RMS @ 50 OHMS  
 30 W = 38.7 V RMS @ 50 OHMS  
 50 W = 50 V RMS @ 50 OHMS  
 100 W = 70.7 V RMS @ 50 OHMS  
 200 W = 100 V RMS @ 50 OHMS  
 300 W = 122 V RMS @ 50 OHMS  
 500 W = 160 V RMS @ 50 OHMS  
 1000 W = 225 V RMS @ 50 OHMS  
 2000 W = 320 V RMS @ 50 OHMS  
 3000 W = 387 V RMS @ 50 OHMS  
 5000 W = 500 V RMS @ 50 OHMS  
 10000 W = 707 V RMS @ 50 OHMS

**PHASE ( Zmag )**  
**( IMPEDANCE MAGNITUDE )**  
 0V FOR RESISTIVE LOAD  
 POSITIVE FOR INDUCTIVE LOAD  
 NEGATIVE FOR CAPACITIVE LOAD



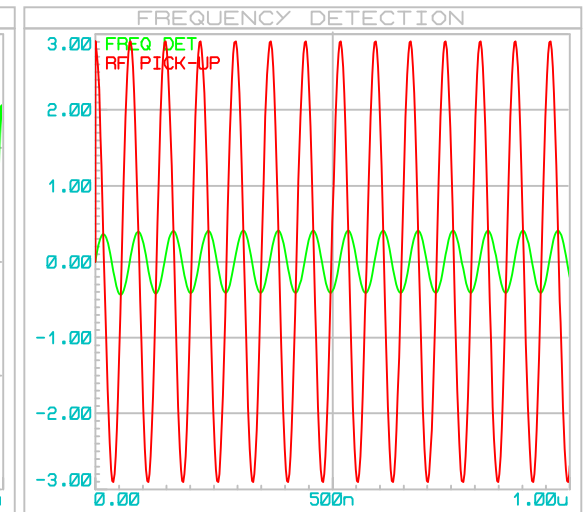
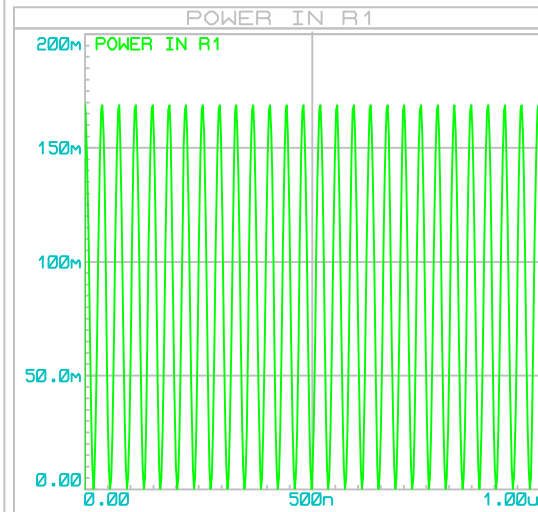
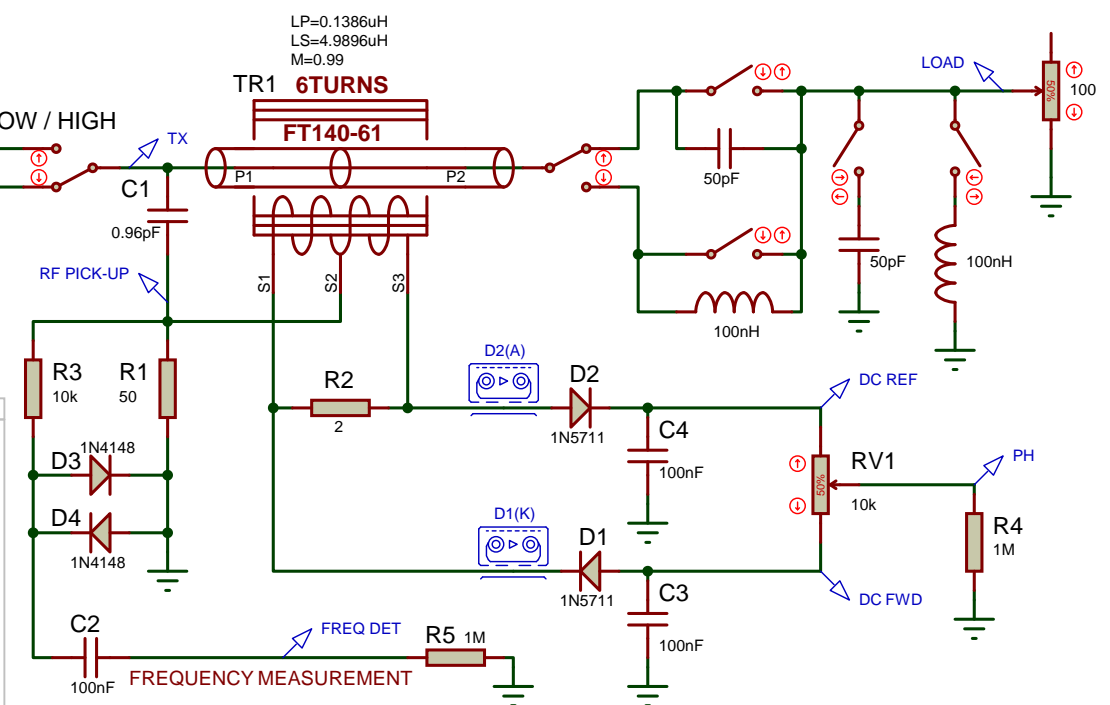
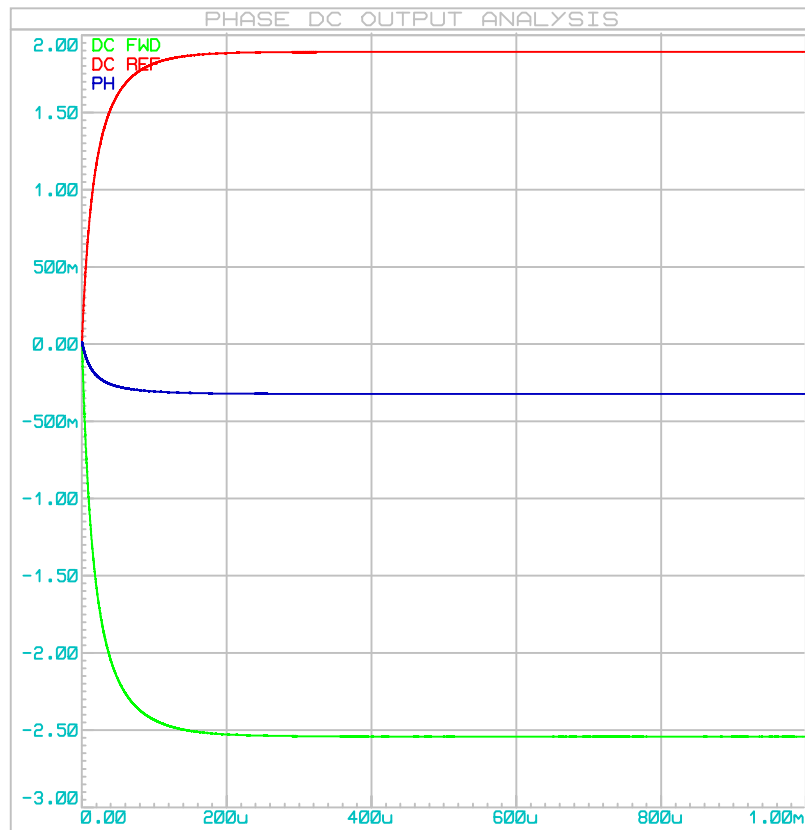
RF PHASE BRIDGE  
 FOR 500 W - 5000 W ANTENNA TUNER

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# Load R 50 Ohms + 50 pF série

10 W = 22.5 V RMS @ 50 OHMS  
 20 W = 32 V RMS @ 50 OHMS  
 30 W = 38.7 V RMS @ 50 OHMS  
 50 W = 50 V RMS @ 50 OHMS  
 100 W = 70.7 V RMS @ 50 OHMS  
 200 W = 100 V RMS @ 50 OHMS  
 300 W = 122 V RMS @ 50 OHMS  
 500 W = 160 V RMS @ 50 OHMS  
 1000 W = 225 V RMS @ 50 OHMS  
 2000 W = 320 V RMS @ 50 OHMS  
 3000 W = 387 V RMS @ 50 OHMS  
 5000 W = 500 V RMS @ 50 OHMS  
 10000 W = 707 V RMS @ 50 OHMS

**PHASE ( Zmag )**  
**( IMPEDANCE MAGNITUDE )**  
 0V FOR RESISTIVE LOAD  
 POSITIVE FOR INDUCTIVE LOAD  
 NEGATIVE FOR CAPACITIVE LOAD



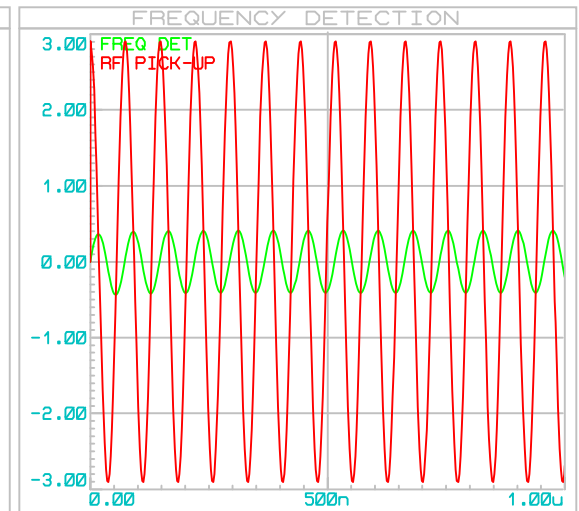
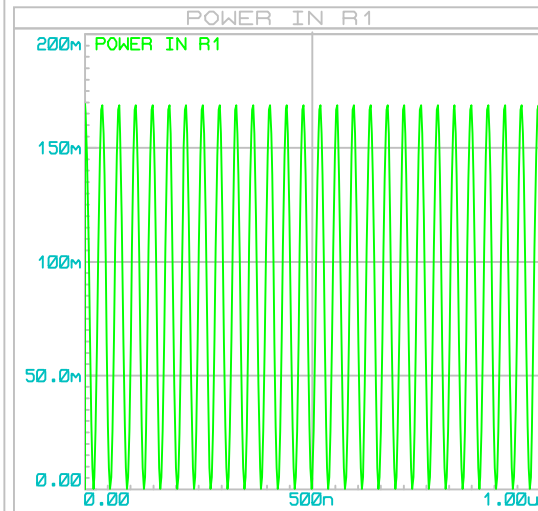
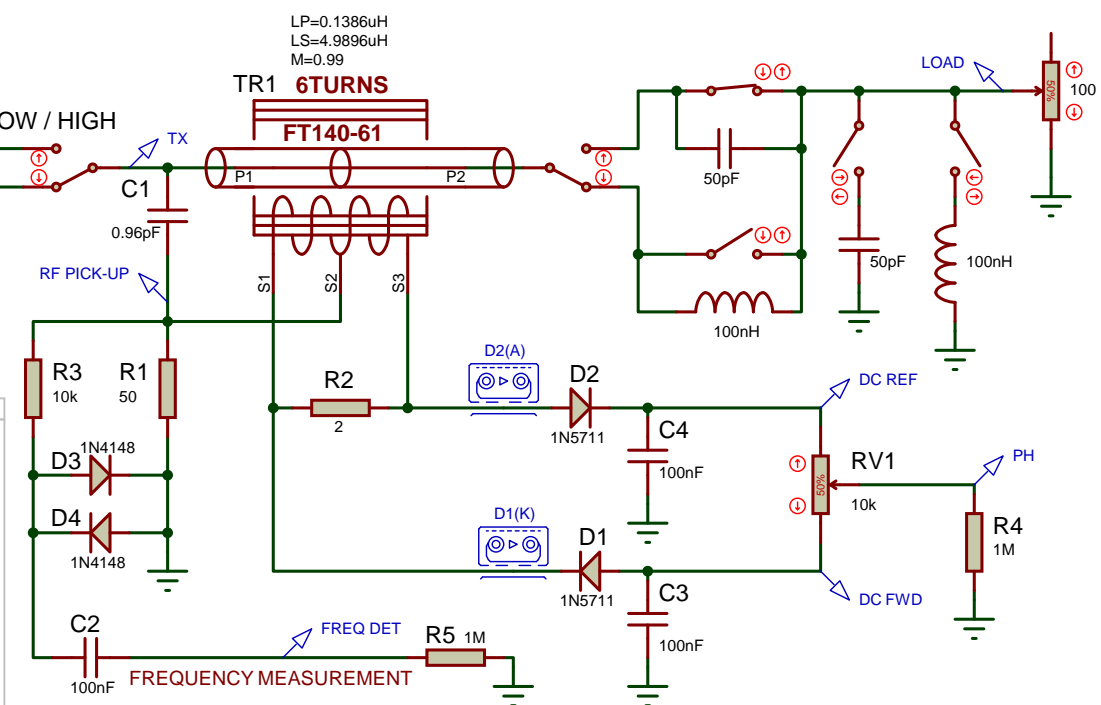
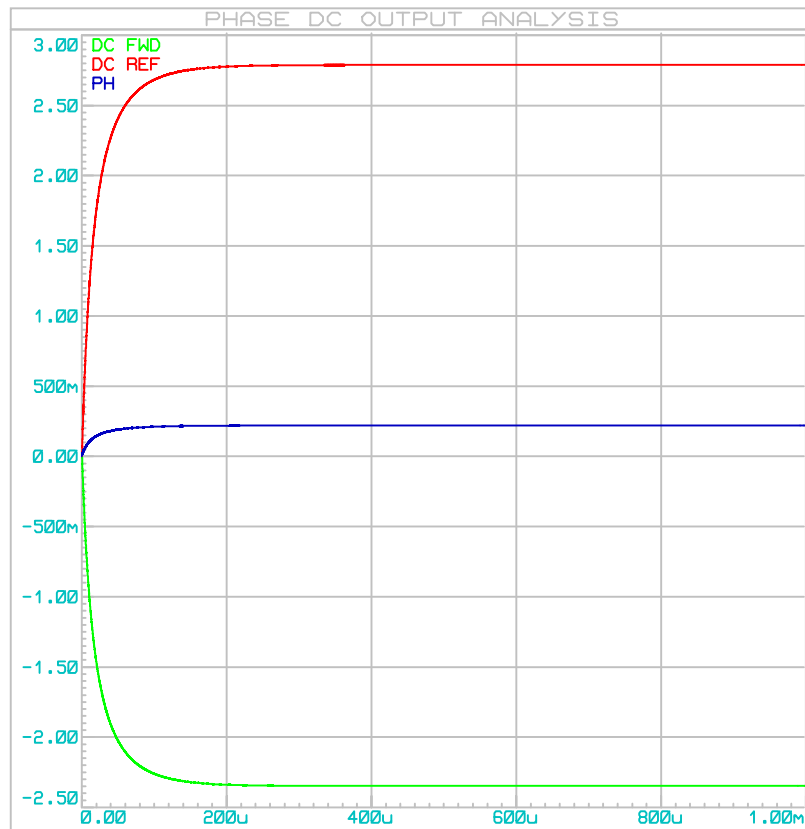
RF PHASE BRIDGE  
 FOR 500 W - 5000 W ANTENNA TUNER

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# Load R 50 Ohms + 100 nH série

10 W = 22.5 V RMS @ 50 OHMS  
 20 W = 32 V RMS @ 50 OHMS  
 30 W = 38.7 V RMS @ 50 OHMS  
 50 W = 50 V RMS @ 50 OHMS  
 100 W = 70.7 V RMS @ 50 OHMS  
 200 W = 100 V RMS @ 50 OHMS  
 300 W = 122 V RMS @ 50 OHMS  
 500 W = 160 V RMS @ 50 OHMS  
 1000 W = 225 V RMS @ 50 OHMS  
 2000 W = 320 V RMS @ 50 OHMS  
 3000 W = 387 V RMS @ 50 OHMS  
 5000 W = 500 V RMS @ 50 OHMS  
 10000 W = 707 V RMS @ 50 OHMS

**PHASE ( Zmag )**  
**( IMPEDANCE MAGNITUDE )**  
 0V FOR RESISTIVE LOAD  
 POSITIVE FOR INDUCTIVE LOAD  
 NEGATIVE FOR CAPACITIVE LOAD



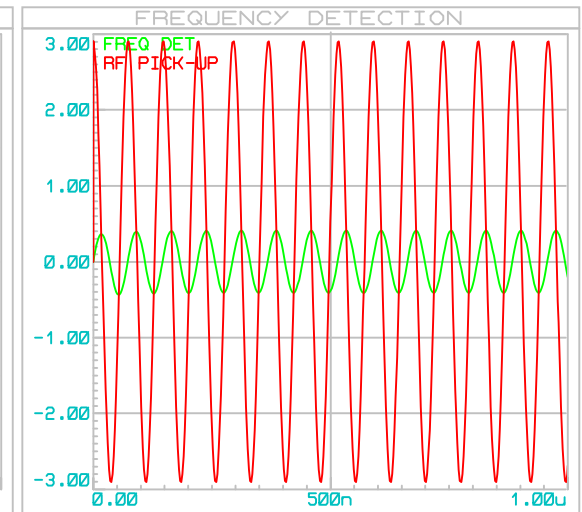
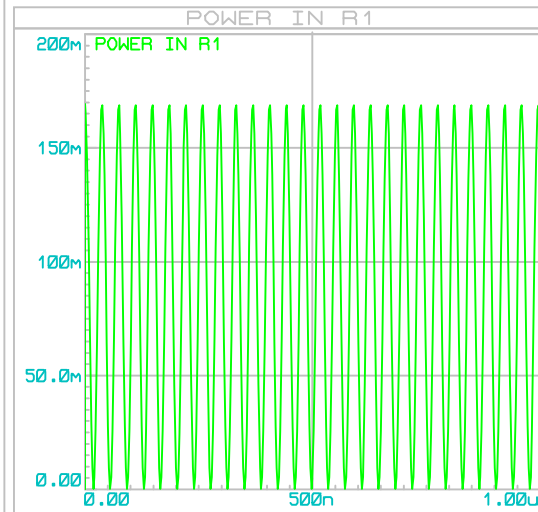
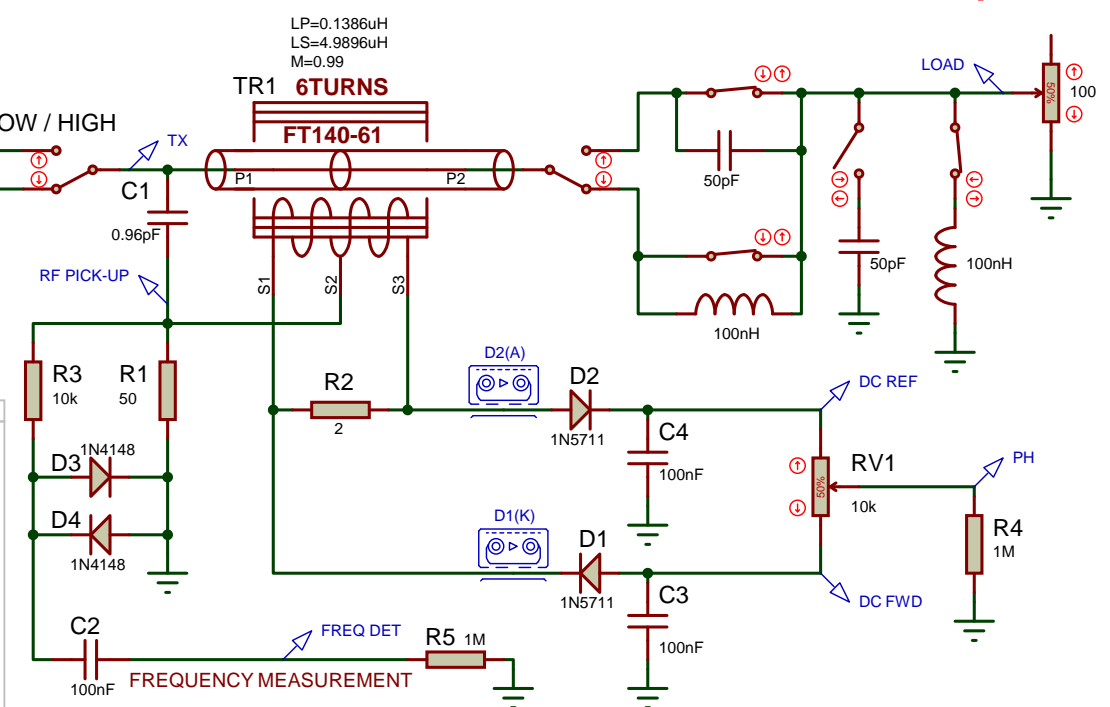
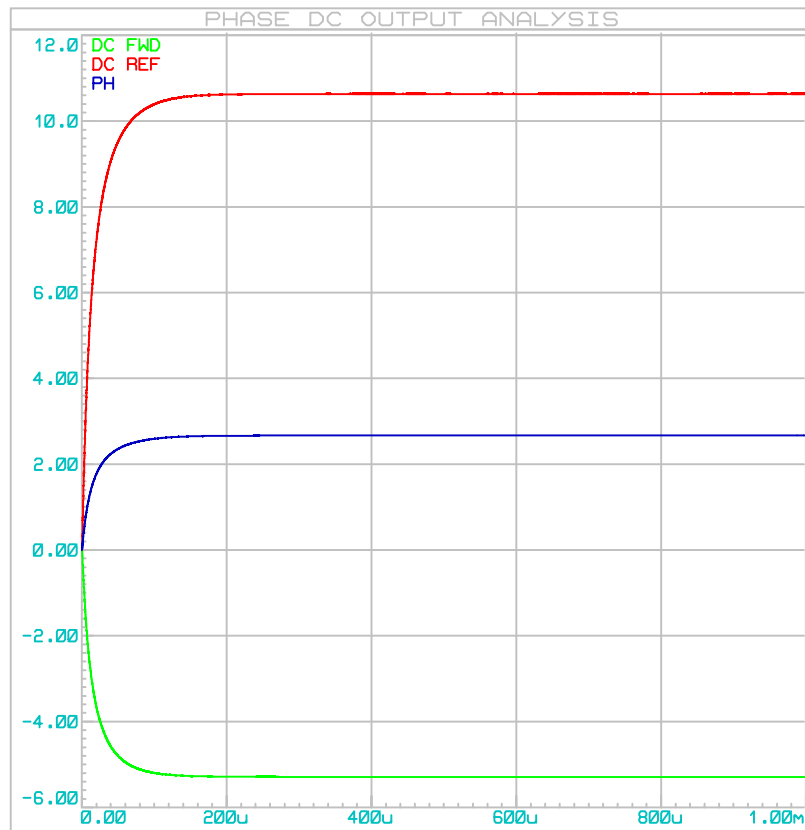
RF PHASE BRIDGE  
 FOR 500 W - 5000 W ANTENNA TUNER

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# Load R 50 Ohms + 100 nH parallèle

10 W = 22.5 V RMS @ 50 OHMS  
 20 W = 32 V RMS @ 50 OHMS  
 30 W = 38.7 V RMS @ 50 OHMS  
 50 W = 50 V RMS @ 50 OHMS  
 100 W = 70.7 V RMS @ 50 OHMS  
 200 W = 100 V RMS @ 50 OHMS  
 300 W = 122 V RMS @ 50 OHMS  
 500 W = 160 V RMS @ 50 OHMS  
 1000 W = 225 V RMS @ 50 OHMS  
 2000 W = 320 V RMS @ 50 OHMS  
 3000 W = 387 V RMS @ 50 OHMS  
 5000 W = 500 V RMS @ 50 OHMS  
 10000 W = 707 V RMS @ 50 OHMS

**PHASE ( Zmag )**  
**( IMPEDANCE MAGNITUDE )**  
 0V FOR RESISTIVE LOAD  
 POSITIVE FOR INDUCTIVE LOAD  
 NEGATIVE FOR CAPACITIVE LOAD

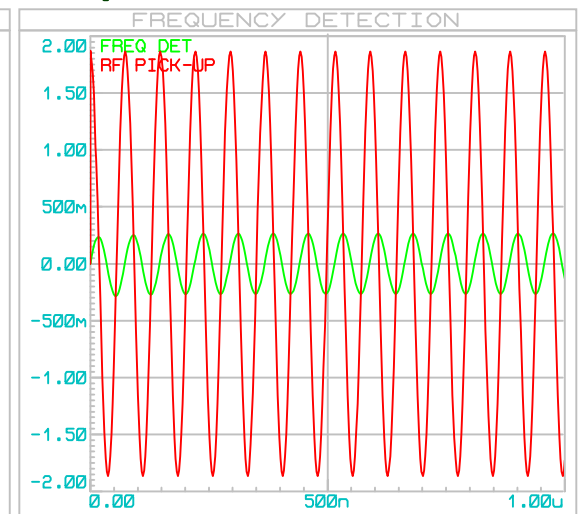
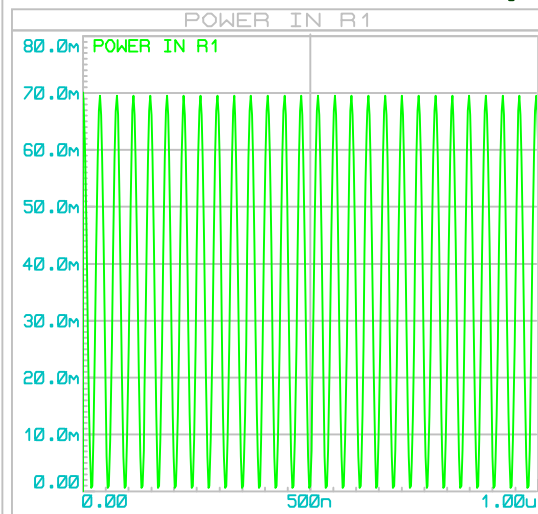
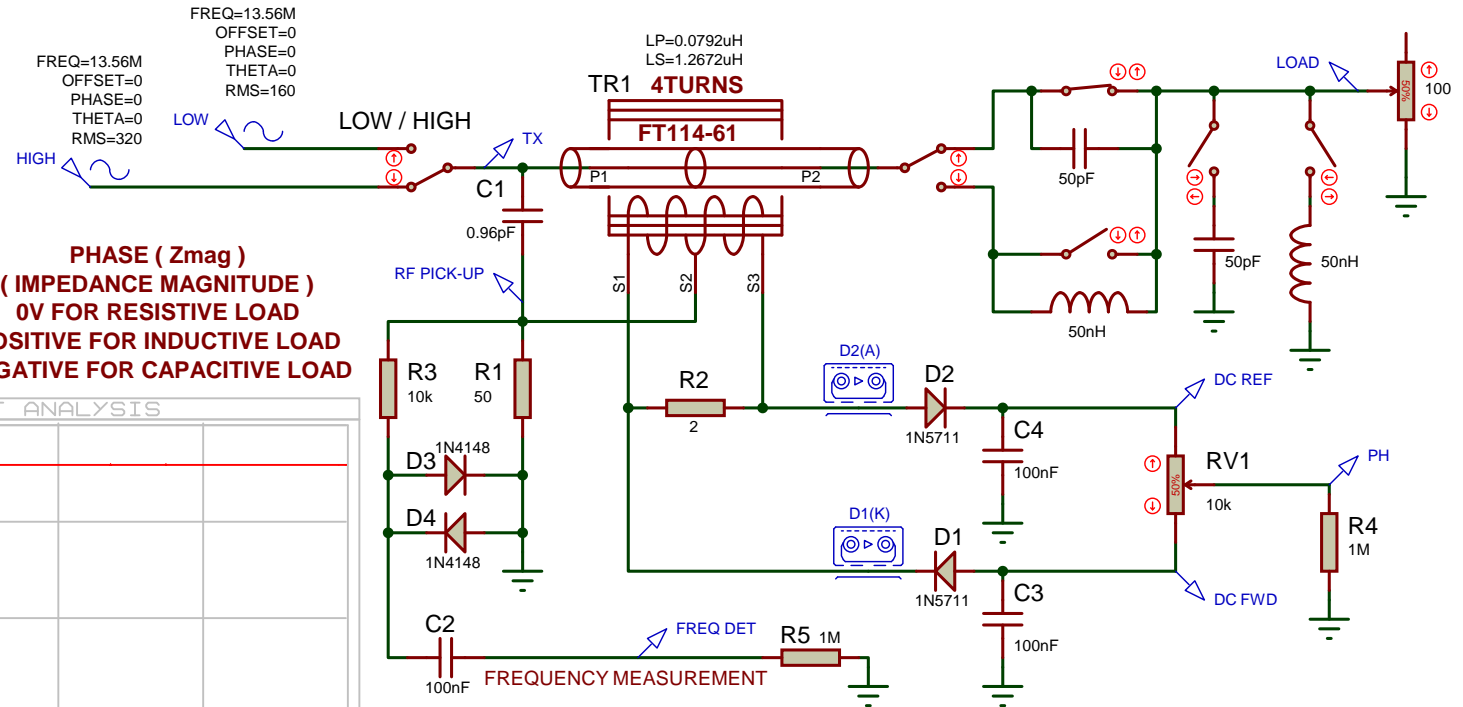
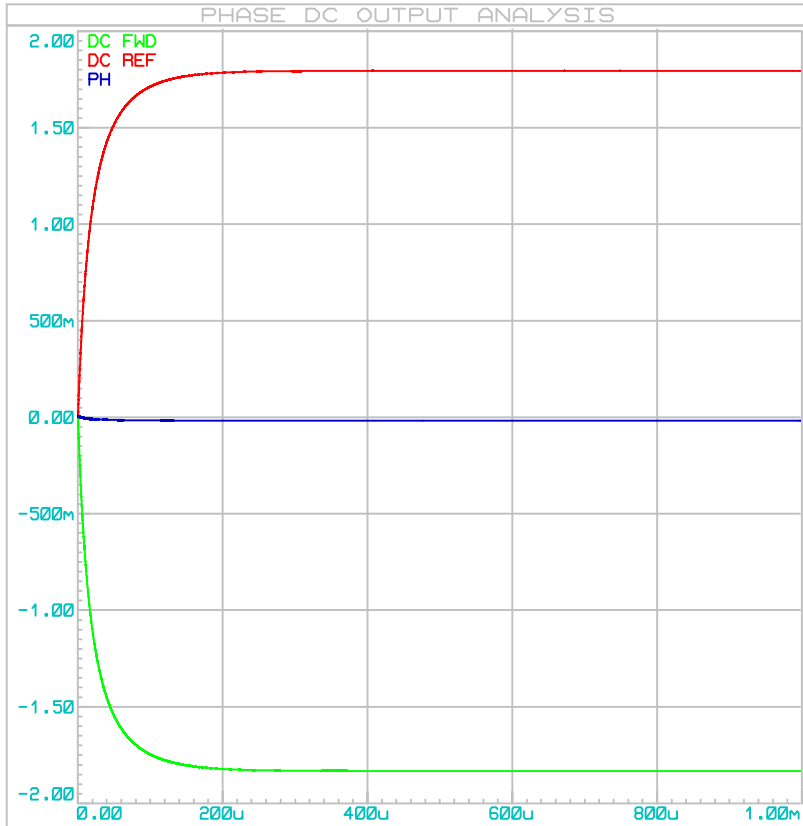


RF PHASE BRIDGE  
 FOR 500 W - 5000 W ANTENNA TUNER

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10 W = 22.5 V RMS @ 50 OHMS  
20 W = 32 V RMS @ 50 OHMS  
30 W = 38.7 V RMS @ 50 OHMS  
50 W = 50 V RMS @ 50 OHMS  
100 W = 70.7 V RMS @ 50 OHMS  
200 W = 100 V RMS @ 50 OHMS  
300 W = 122 V RMS @ 50 OHMS  
500 W = 160 V RMS @ 50 OHMS  
1000 W = 225 V RMS @ 50 OHMS  
2000 W = 320 V RMS @ 50 OHMS  
3000 W = 387 V RMS @ 50 OHMS  
5000 W = 500 V RMS @ 50 OHMS  
10000 W = 707 V RMS @ 50 OHMS  
15000 W = 866 V RMS @ 50 OHMS

**PHASE ( Zmag )  
( IMPEDANCE MAGNITUDE )  
0V FOR RESISTIVE LOAD  
POSITIVE FOR INDUCTIVE LOAD  
NEGATIVE FOR CAPACITIVE LOAD**



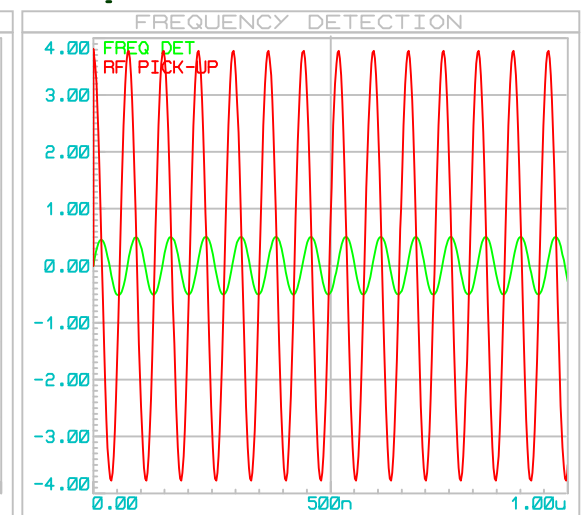
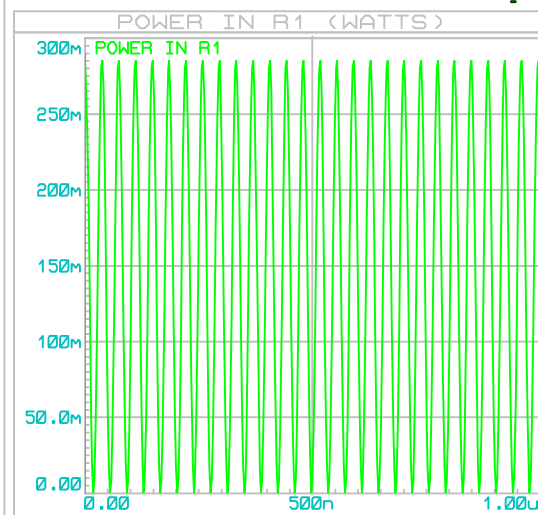
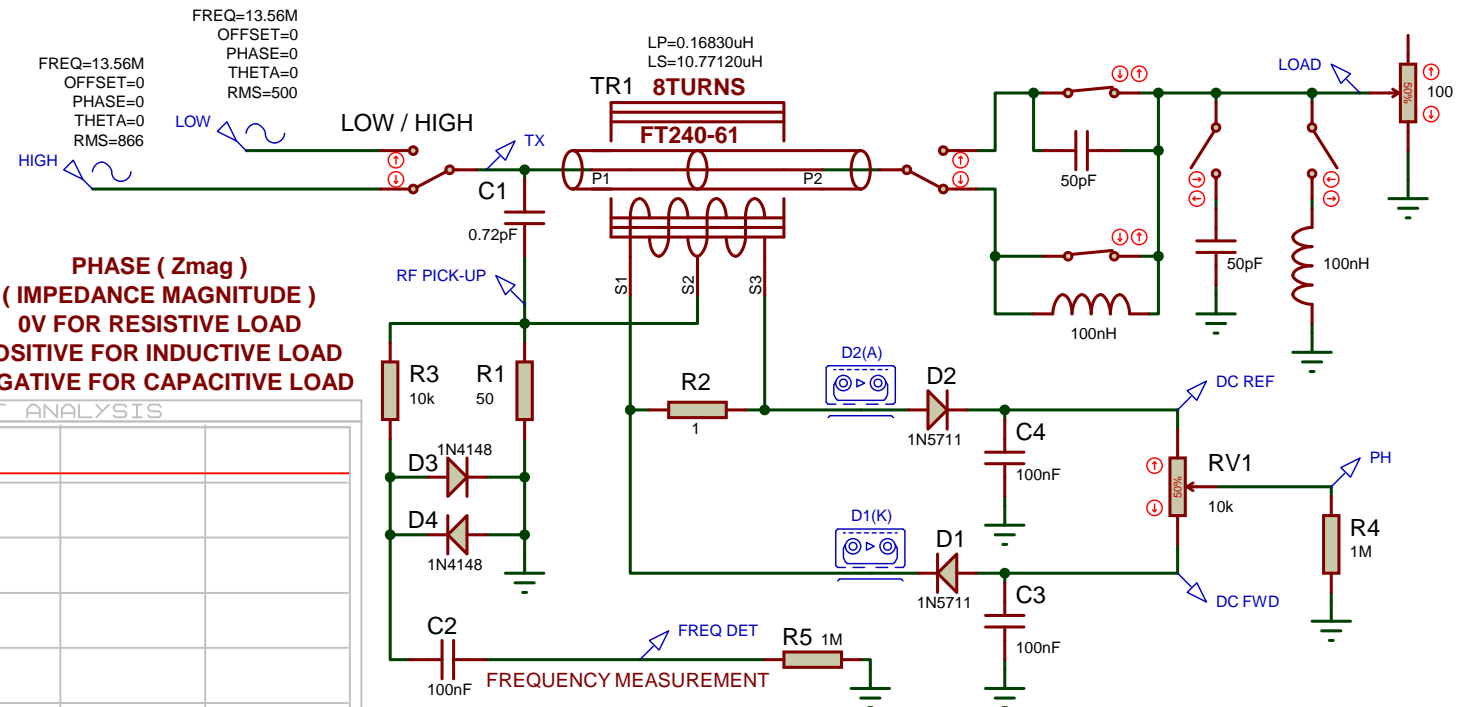
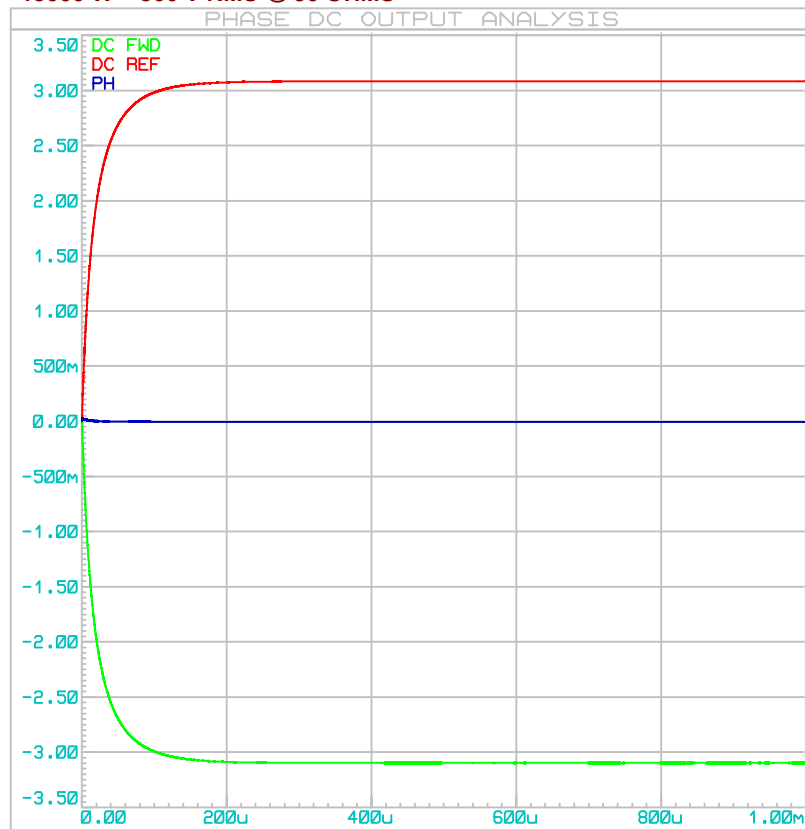
# RF PHASE BRIDGE FOR 500 W - 2000 W ANTENNA TUNER

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10 W = 22.5 V RMS @ 50 OHMS  
 20 W = 32 V RMS @ 50 OHMS  
 30 W = 38.7 V RMS @ 50 OHMS  
 50 W = 50 V RMS @ 50 OHMS  
 100 W = 70.7 V RMS @ 50 OHMS  
 200 W = 100 V RMS @ 50 OHMS  
 300 W = 122 V RMS @ 50 OHMS  
 500 W = 160 V RMS @ 50 OHMS  
 1000 W = 225 V RMS @ 50 OHMS  
 2000 W = 320 V RMS @ 50 OHMS  
 3000 W = 387 V RMS @ 50 OHMS  
 5000 W = 500 V RMS @ 50 OHMS  
 10000 W = 707 V RMS @ 50 OHMS  
 15000 W = 866 V RMS @ 50 OHMS

**PHASE ( Zmag )**  
 ( IMPEDANCE MAGNITUDE )  
 0V FOR RESISTIVE LOAD  
 POSITIVE FOR INDUCTIVE LOAD  
 NEGATIVE FOR CAPACITIVE LOAD



RF PHASE BRIDGE  
 FOR 5000 W - 15000 W ANTENNA TUNER

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 BY: f1frv@sfr.fr  
 DOC N°: AMATEUR RADIO