

TP103 HFO Output Freqs

- 80M = 18.330 MHz
- 40M = 21.830
- 30M = 24.830
- 20M = 28.830
- 17M = 32.830
- 15M = 35.830
- 12M = 39.580
- 10M = 42.830

TP101 Pre Mix Freqs

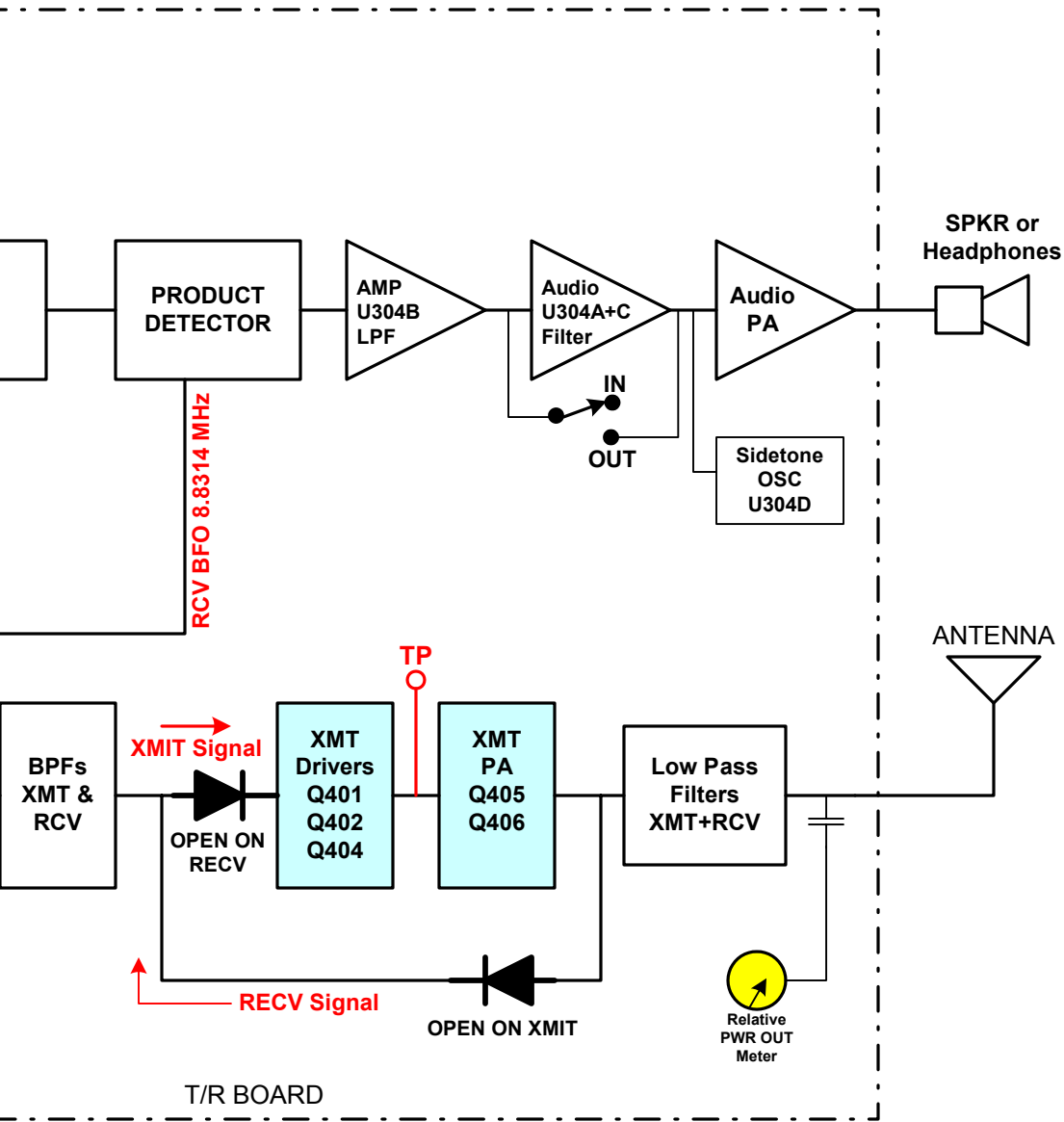
- 80M = 12.3307 MHz
- 40M = 15.8307
- 30M = 18.8307
- 20M = 22.8307
- 17M = 26.8307
- 15M = 29.8307
- 12M = 33.5807
- 10M = 36.8307

Transmit Frequency Path

HFO (TP103) minus VFO (TP102) minus the XMIT BFO = Xmit Freq

Receive Frequency Path

The Receive Signal minus the Premix Signal = the IF Freq (8.8307 Mhz). **40M example:** 7.000 Mhz Rcv. minus Premix Sig (TP101) 15.8307 = 8.8307 Mhz IF freq.



Note: the diode symbol indicates one or more diodes that are biased on or off to act as a T-R switch by the T12 or R12 control leads. The **HFO** diodes are switched by the Band Switch

Heathkit HW-9 Block Diagram

Ver.	Drawn by:	Date:
1.2	R. Patrick Kr7w	14 Oct, 2006