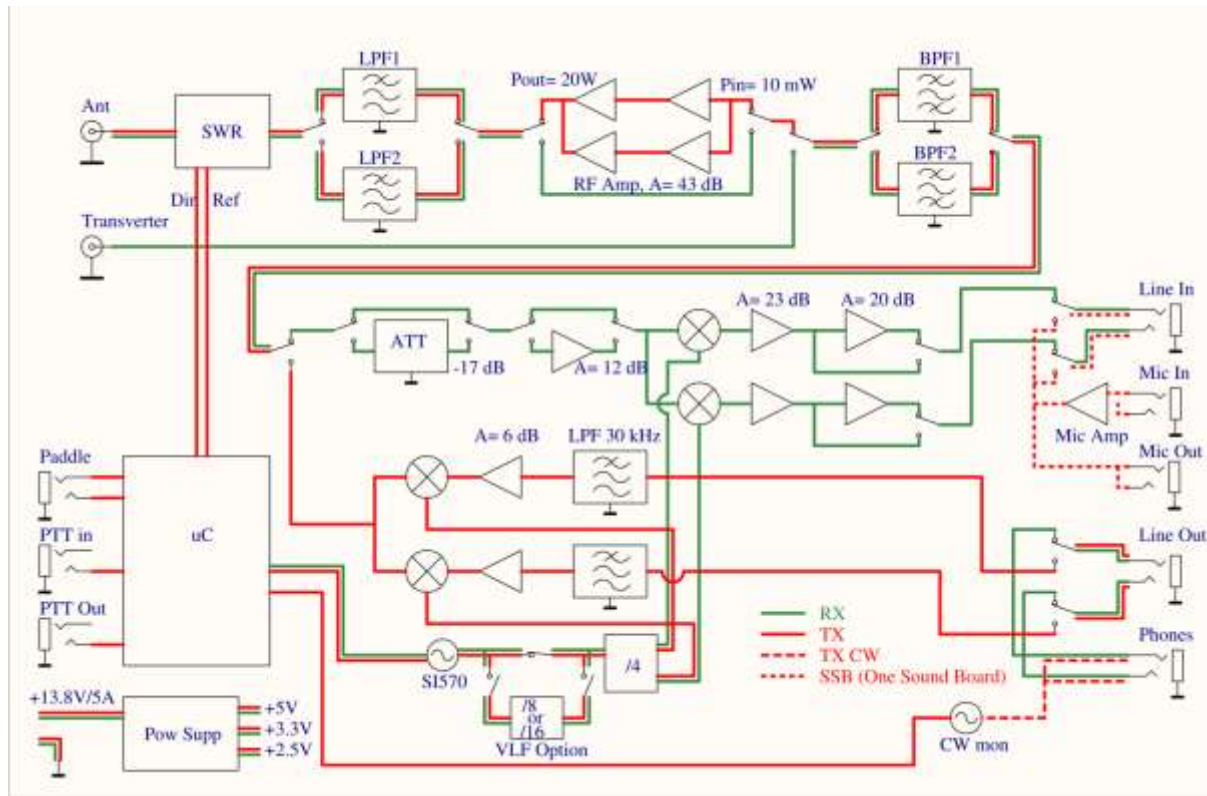


G11 Multiband HF and 6m SDR S/H Sample and Hold Transceiver

Design: Dipl. Ing . Tasić Siniša –Tasa YU1LM/QRP.

Copyright note: Unauthorized commercial use, resale, or electronic transmission of this file is strictly prohibited. All rights reserved under the trade mark www.GenesisRadio.com.au



1. **LF version:** 137 KHz or 500 KHz (RX 50KHz – 2MHz)
HF version: covers up to 5 HF bands, depending on BP/LP filters selection.
160m monoband. 6m monoband.
2. Min synthesizer step: 1Hz, adjustable.
3. All-mode CW/SSB/FM/ DIGITAL *
4. IIP3 30-32dBm *
5. MDS is -116 to -122dBm * RF preamplifier on: MDS is from -130 to -133dBm. *
6. Image rejection: -35 to -60 dB [hardware], better than 60dB [software]
7. RX sensitivity: 0.15-0.2uV for 10 dB S/N ratio. Max S/N measured: 70dB.
8. SFDR (Spurious free dynamic range) is 93-100dB these results are with signals spaced 5 kHz or more.
9. Receiver 1dB compression point is + 5dBm
10. Second antenna RX2 input
11. Support for transverter with split RX input.
12. Transmitter output power is 10W min (5W on 6m) and it is adjustable in software to almost 0W. Transmission is possible only on amateur bands
13. TX carrier suppression: 45-60dBc [hardware]
14. Image rejection: -35dBc to -50dBc [hardware], 60dB with GSDR SDR software
15. Built in microphone preamplifier with adjustable 2 position gain to enable operation with with single-input sound card [LINE IN or MIC in]
16. Built in IAMBIC CW keyer with independent CW monitor
17. Control circuit for keying RF linear power amplifier
18. Power supply +12V to +14V @3.5A
19. Specified operating temperature range is from 0C to +55deg C
20. Dimensions 240 x 240 x 88mm weight 1.5kg
21. Kit assembly: 5-8 hours **
22. G11 control via USB connection with GSDR software running on XP, Vista or WIN7 OS

* Software or sound card dependant / related

** enclosure, power supply, sound card and PC supplied by owner!

January 10, 2012