Appendix C-1: DAC Board
Appendix C-2: Modulator Board
Appendix C-3: Receiver Board

![Schematic Image]

- **Components and Connections**
  - **U1**: SC-2500
  - **U2**: MGA86576
  - **U3**: SCM2500
  - **U4**: ERA-5SM
  - **U5**: ERA-4SM
  - **U6**: ERA-4SM
  - **U7**: TUF-3SM

- **Power Supplies**
  - +5V
  - +7V

- **Gains and Outputs**
  - -15.24dBm (Front End Out)
  - -13.3dBm
  - -10.49dBm
  - -33dBm
  - -3.95dBm
  - -22.9dBm
  - -23.61dBm

- **External Connections**
  - SMA Coax x3
  - Power x2 - +12Vdc x1
  - Power GND x1

- **Off-board Parts**
  - Off-board for the Soshin BPF
  - Off-board for Dr. Sweeney’s BPF

- **Additional Notes**
  - +12V x1
  - +15V x1
  - +10V x1

- **Diagram Details**
  - Component labels and values are detailed in the image.
Appendix C-4: VGC Driver Board

Non-used parts because they are difficult to place on the layout.
Appendix C-5: AFC Board
Appendix C-6: Splitter Board

Supplier - the 7V off-board LM317 Regulator

* Non-used decoupling parts because power traces are short on the layout.