<http://www.geo-sense.com/GPRmore.htm> - brief GPR description

<http://compass.astm.org/EDIT/html_annot.cgi?D6432+11> - long detailed GPR descriptions - has many useful charts

<http://www.sensoft.ca/FAQ.aspx> - GPR stuff

<http://georadar.150m.com/> - GPR stuff

<http://epubs.surrey.ac.uk/973/1/fulltext.pdf> - Long paper on GPR mostly about antennas - also old so not a lot of the data may be relevant today

<http://www.sic.rma.ac.be/~scheers/Papers/chapter2.pdf> - GPR design

<http://d2dtl5nnlpfr0r.cloudfront.net/tti.tamu.edu/documents/1702-S.pdf> - GPR Prototype development

<http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=4131323&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D4131323> - Essentially Referenced by all papers I found. The godfather of the Vivaldi Antenna

<http://www.rfwireless-world.com/calculators/slotline-calculator.html> - slotline equations

<http://www.antenna-theory.com/antennas/aperture/vivaldi.php> - makeshift vivaldi antenna guide

<http://www.jpier.org/PIER/pier82/26.08040601.pdf> - Exponential curve equations

<https://www.eznec.com/Amateur/Articles/Baluns.pdf> - Helpful reference for baluns

<http://www.jpole-antenna.com/2012/07/03/why-build-antennas-out-of-copper-and-not-aluminum-or-stainless-steel/> - Quick advice on material choice (hint: don't pick aluminum)

<http://www.futureelectronics.com/en/diodes/schottky-diodes.aspx> - Schottky Diode description

<https://www.ieee.li/pdf/essay/pin_diode_handbook.pdf> - PIN Diode Handbook

<http://publications.lib.chalmers.se/records/fulltext/163250.pdf> - Fast PIN Diode driver design

<http://www.analog.com/library/analogDialogue/archives/44-02/pin_diode.html> - PIN Diode Driver

<http://www.ittc.ku.edu/~jstiles/622/handouts/Receiver%20Compression%20Point.pdf> – Receiver Compression

<http://www.microwaves101.com/encyclopedias/compression-point> - Compression Point

<http://cp.literature.agilent.com/litweb/pdf/5965-8166E.pdf> - Using Network Analyzer

<http://www.analog.com/library/analogDialogue/archives/39-06/Chapter%205%20Testing%20Converters%20F.pdf> – Analog digital conversion