

Introduction to Amateur Radio Satellites

Useful Links Handout Page
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AMSAT

www.amsat.org

Live OSCAR Satellite Status Page

<https://www.amsat.org/status/>

AMSAT website satellite predictions

<https://www.amsat.org/track/index.php>

Heavens-Above website for online satellite predictions

<http://www.heavens-above.com>

K3TZ patch antenna with PDF / CAD drawings (built by KA2UPW as an "Altoids patch")

<http://www.qsl.net/k3tz/index.html>

and the links are under "2.4 GHz Patch Design / K3TZ design #1" in the upper left.

Cheap Yagis by Kent Britain, WA5VJB

<http://www.wa5vjb.com/references.html>

<http://www.wa5vjb.com/yagi-pdf/cheapyagi.pdf>

http://www.wa5vjb.com/references/More_cheap_Yagis_2004%20WA5VJB.pdf

<http://www.wa5vjb.com/references/Cheap%20Antennas-LEOs.pdf> (2m and 70cm with splitter)

http://www.wa5vjb.com/references/20_Element_Cheap_Yagi_for_432-435MHz.pdf (suitable for EME)

Cardboard Aluminum foil 2.4 GHz horn antenna

"Constructing a Cardboard-box Antenna for Receiving AO-40 on S-band" (2.4 GHz receive)

by Anthony Monteiro, AA2TX, SK

http://web.archive.org/web/20060820123132/http://www.barc.org/ao40_antennas/rxantenna.html

Cardboard Aluminum foil 435 MHz transmit antenna

"Constructing Cardboard-Box Antennas for Uplinking to AO-40" (435 / 70cm corner reflector)

http://web.archive.org/web/20061001234826/http://www.barc.org/ao40_antennas/txantenna.htm

(note: the URL ends in htm not html)

DownEast Microwave (commercial supplier of preamps, transverters): www.downeastmicrowave.com

70cm Quagi articles

Overbeck, Wayne. "The VHF Quagi." QST April 1977. pp. 11-14. (includes 2m, 222Mhz and 70cm)

Overbeck, Wayne. "More on the VHF Quagi." QST. Aug 1977. p. 42.

Overbeck, Wayne. "Measuring Antenna Gain with Amateur Methods." QST. Oct 1977. pp. 11-14.

Overbeck, Wayne. "The Long-Boom Quagi." QST. Feb 1978. pp. 20-21.

Overbeck, Wayne. "Additional Bands for the Quagi." QST. April 1978. p. 34.

FUNcube Dongle: www.funcubedongle.com

RTL-SDR Dongles: <http://www.rtl-sdr.com/>

Keplerian Elements mailing list : <http://www.amsat.org/mailman/listinfo/keps>

Reference books

Bate, Roger. Fundamentals of Astrodynamics. ISBN: 0486600610. (Emphasis on orbital mechanics)

Davidoff, Martin. K2UBC. The Satellite Experimenter's Handbook. 2nd Edition. ISBN: 0-87259-318-5. (Emphasis on amateur radio satellites. Out of print but frequently available online)

Escobal, Pedro. Methods of Orbit Determination. ISBN: 0882753193. (Emphasis on orbital mechanics)