

References - Receiver Specs Presentation

General:

HF Receiver Testing: Issues & Advances, by Adam Farson, VA7OJ: <http://www.nsar.ca/hf/rcvrtest.pdf>

Explaining ARRL Technical Reviews of Radios: A brief tutorial on radio testing, by Adam Farson VA7OJ: http://www.nsar.ca/hf/arrl_test.pdf

Making Sense of Decibels, by Joel Hallas, W1ZR, QST April 2007.

Receiver Noise Figure - What's It All About?, by Joel Hallas, W1ZR, QST November 2010.

dBm, Wikipedia entry: <https://en.wikipedia.org/wiki/DBm>

What Does Your S-meter Reading Mean? (Two Receivers Compared): http://www.qsl.net/wa1ion/receiver/s_meter.htm

Squelch, Wikipedia entry: <https://en.wikipedia.org/wiki/Squelch>

Dynamic Range:

Receiver Blocking or Desensitization: <http://www.radio-electronics.com/info/rf-technology-design/receiver-overload/blocking.php>

Receiver Metrics: Theory and Practice - Intermodulation and the 3rd Order Intercept, by Carl Ferguson, W4UOA, et. al.: Download at: <http://www.documentshare.net/receiver-metrics-theory-and-practice-john-drum-w4bxijohn-krupsky-wa5mlf-intermodulation-and-the-3-rd-order-intercept-point-carl-ferguson-w4uoa>

Understanding Intermodulation Distortion Measurements, by David A. Hall in Electronic Design magazine, Nov 7, 2013: <http://electronicdesign.com/communications/understanding-intermodulation-distortion-measurements>

Receiver Dynamic Range by Robert E Watson:

Part 1: http://www.rfcafe.com/references/articles/wj-tech-notes/Rec_dyn_range1.pdf

Part 2: http://www.rfcafe.com/references/articles/wj-tech-notes/Rec_dyn_range2.pdf

Intercept Point, Gain Compression and Blocking. Lecture by Prof. Ali M. Niknejad, UC Berkeley, 2005: http://rfic.eecs.berkeley.edu/~niknejad/ee142_fa05lects/pdf/lect9.pdf

The IP3 Specification Demystified, Kuo-Chang Chan: <https://www.maximintegrated.com/en/app-notes/index.mvp/id/5429>

What's The Difference Between The Third-Order Intercept And The 1-dB Compression Points? by Louis Frenzel. Electronic Design, Oct 24, 2013: <http://electronicdesign.com/what-s-difference-between/what-s-difference-between-third-order-intercept-and-1-db-compression-point>

Third Order Intercept Point, Wikipedia entry: https://en.wikipedia.org/wiki/Third-order_intercept_point

Intermodulation, Wikipedia entry: <https://en.wikipedia.org/wiki/Intermodulation>

Blocking Dynamic Range in Receivers, by Leif Asbrink, SM5BSZ. QEX March/April 2006: <http://www.sm5bsz.com/dynrange/qex/bdr.pdf>

Sensitivity:

Receiver Sensitivity and Equivalent Noise Bandwidth by Dennis Layne: www.highfrequencyelectronics.com/index.php?option=com_content&view=article&id=553:receiver-sensitivity-and-equivalent-noise-bandwidth&catid=94:2014-06-june-articles&Itemid=189

Sinad and Sinad Measurements for Radio Receivers, by Ian Poole. Radio Electronics magazine. <http://www.radio-electronics.com/info/rf-technology-design/rf-noise-sensitivity/sinad.php>